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# DATA PACKAGE

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

**PROJECT NAME : EDISON LANDFILL**

**REMINGTON & VERNICK ENGINEERS**

**2059 Springdale Road**

**Cherry Hill, NJ - 08003**

**Phone No: 856-795-9595**

**ORDER ID : Q3586**

**ATTENTION : Kyle Carlson**

**Laboratory Certification ID # 20012**

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# DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC
Client : Remington & Vernick Engineers
Project Location :
Project Number : 1205T007 - Edison Landfill
Laboratory Sample ID(s) : Q3586
Sampling Date(s) : 1/06/2025
List DKQP Methods Used (e.g., 8260,8270, et Cetra) **,6010D,7196A,7471B,8081B,8082A,8260D,8270E,9012B,NJEPH,SMO,SOP**

| | | |
|---|---|---|
| 1 | For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards? | ☑ Yes ☐ No |
| 1A | Were the method specified handling, preservation, and holding time requirements met? | ☑ Yes ☐ No |
| 1B | EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods) | ☑ Yes ☐ No ☐ N/A |
| 2 | Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)? | ☑ Yes ☐ No |
| 3 | Were samples received at an appropriate temperature (4±2° C)? | ☑ Yes ☐ No ☐ N/A |
| 4 | Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved? | ☐ Yes ☑ No |
| 5 | a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?<br>b)Were these reporting limits met? | ☑ Yes ☐ No<br>☑ Yes ☐ No ☐ N/A |
| 6 | For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP? | ☑ Yes ☐ No |
| 7 | Are project-specific matrix spikes and/or laboratory duplicates included in this data set? | ☐ Yes ☑ No |

Notes: For all questions to which the response was “No” (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is “No”, the data package does not meet the requirements for “Data of Known Quality.”

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# Cover Page

**Order ID :** Q3586

**Project ID :** Edison Landfill

**Client :** Remington & Vernick Engineers

| Lab Sample Number | Client Sample Number |
|---|---|
| Q3586-01 | SED-1 |
| Q3586-02 | SED-2 |
| Q3586-03 | SED-3 |

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

Signature : APPROVED
*By Nimisha Pandya, QA/QC Supervisor at 1:29 pm, Nov 21, 2025*

Date: 11/21/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**Remington & Vernick Engineers**
**Project Name: Edison Landfill**
**Project # N/A**
**Order ID # Q3586**
**Test Name: VOC-TCLVOA-10,SVOC-TCL BNA -20,EPH,PCB,Pesticide-TCL,Mercury,Metals ICP-TAL,Cyanide,Hexavalent Chromium**

**A. Number of Samples and Date of Receipt:**
3 Solid samples were received on 11/07/2025.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10,SVOC-TCL BNA -20,EPH,PCB,Pesticide-TCL,Mercury,Metals ICP-TAL,Cyanide,Hexavalent Chromium. This data package contains results for VOC-TCLVOA-10(8260D),SVOC-TCL BNA -20(8270E),EPH(NJEPH),PCB(8082A),Pesticide-TCL(8081B),Mercury(7471B),Metals ICP-TAL(6010D),Cyanide(9012B),Hexavalent Chromium(7196A).

**C. Analytical Techniques:**
VOC-TCLVOA-10 : 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 performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOC-TCLVOA-10 was based on method 8260D.

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

PCB : 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.

Pesticide-TCL : 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

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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.

EPH : The analysis were performed on instrument FID_G. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302.The analysis were performed on instrument FID_F. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302.The analysis of EPHs was based on method NJEPH and extraction was done based on method 3541.

Mercury,Metals ICP-TAL : 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.

Wetchem : The analysis of Cyanide,Hexavalent Chromium was based on method 7196A,9012B.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis except following
VOC-TCLVOA-10 : The Surrogate recoveries were met for all analysis except for,

SED-1 [1,2-Dichloroethane-d4 - 138%] , SED-2 [4-Bromofluorobenzene - 135%], SED-2RE [Dibromofluoromethane - 133%]these compounds did not meet the NJDKQP criteria but met the in-house criteria while,

SED-1[4-Bromofluorobenzene - 197%], SED-1RE [4-Bromofluorobenzene - 67%], SED-2 [1,2-Dichloroethane-d4 - 161%], SED-2RE [1,2-Dichloroethane-d4 - 177%]these compounds did not meet the NJDKQP criteria and in-house criteria, samples were reanalyzed to confirm the failure and reported.

The Surrogate recoveries were met for all analysis except following
Pesticide-TCL : SED-2 [Decachlorobiphenyl(1)25%, Decachlorobiphenyl(2)27%]these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The Internal Standards Areas were met for all analysis except following VOC-TCLVOA-10 : SED-1RE and SED-2RE samples were reanalyzed to confirm the failure and reported.

The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds except following
SVOC-TCL BNA -20 : The MS {Q3586-03MS} with File ID: BP026093.D recoveries met the requirements for all compounds except for 3,3-Dichlorobenzidine[67%], 3-

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Nitroaniline[58%] and 4-Chloroaniline[39%], This compound did not meet the NJDKQP criteria but met the in-house criteria.

EPH : The MS {Q3586-03MS} with File ID: FG016960.D recoveries met the requirements for all compounds except for Aliphatic [Naphthalene (C11.7)- 0%, 2-methylnaphthalene (C12.89)- 0%], these analytes are only being monitoring in aliphatic fraction.

The MS {Q3586-03MS} with File ID: FF016726.D recoveries met the requirements for all compounds except for Aromatic [Benzo[a]anthracene (C26.37)- 171%], Bnezo[k]fluoranthene (C30.14)- 147%], [benzo[b]fluoranthene (C30.41)- 162%] and [Indeno[1,2,3-cd]pyrene (C35.01)- 213%] due to matrix interference.

Mercury,Metals ICP-TAL : The Matrix Spike (VNJ-238MS) analysis met criteria for all compounds except for Antimony, Copper, Selenium, Silver, Sodium and Vanadium due to Chemical Interference during Digestion process.

The MSD recoveries met the requirements for all compounds except following
SVOC-TCL BNA -20 : The MSD {Q3586-03MSD} with File ID: BP026094.D recoveries met the requirements for all compounds except for 3-Nitroaniline[58%], 4-Chloroaniline[36%], This compound did not meet the NJDKQP criteria but met the in-house criteria.

EPH : The MSD {Q3586-03MSD} with File ID: FG016961.D recoveries met the requirements for all compounds except for Aliphatic [n-Nonane (C9)- 39%] due to matrix interference. And for Aliphatic[Naphthalene (C11.7)- 0%, 2-methylnaphthalene (C12.89)- 0%], these analytes are only being monitoring in aliphatic fraction.

The MSD {Q3586-03MSD} with File ID: FF016727.D recoveries met the requirements for all compounds except for Aromatic [Benzo[a]anthracene (C26.37)- 176%], [Chrysene (C27.41)- 142%], [Bnezo[k]fluoranthene (C30.14)- 151%], [Dibenz[a,h]anthracene (C30.36)- 144%], [benzo[b]fluoranthene (C30.41)- 166%] and [Indeno[1,2,3-cd]pyrene (C35.01)- 220%] due to matrix interference.

Mercury,Metals ICP-TAL : The Matrix Spike Duplicate (VNJ-238MSD) analysis met criteria for all compounds except for Antimony, Copper, Selenium, Silver and Vanadium due to Chemical Interference during Digestion process.

The RPD recoveries met criteria.
The Blank Spike met requirements for all compounds except following
SVOC-TCL BNA -20 : The Blank Spike for {PB170478BS} with File ID: BF144200.D met requirements for all compounds except for 3-Nitroaniline[59%], 4-Chloroaniline[50%]. , This compound did not meet the NJDKQP criteria but met the in-house criteria.

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The Blank Spike Duplicate met requirements for all compounds

The Blank Spike met requirements for all compounds except following
EPH : The Blank Spike for {PB170577BS} with File ID: FG016927.D met requirements for all samples except for aliphatic [Naphthalene (C11.7)- 0%, 2-methylnaphthalene (C12.89)-0%], these analytes compounds are only being monitoring in aliphatic fraction.

The Blank Spike Duplicate met requirements for all compounds except following
EPH : The Blank Spike Duplicate for {PB170577BSD} with File ID: FG016928.D met requirements for all samples except for aliphatic
[Naphthalene (C11.7)- 0%, 2-methylnaphthalene (C12.89)- 0%], these analytes compounds are only being monitoring in aliphatic fraction.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements except following
SVOC-TCL BNA -20 : The %RSD is greater than 20% in the (Method 8270-BF110525.M) for Hexachlorocyclopentadiene is passing on Quadratic regression.

The %RSD is greater than 20% in the Initial Calibration (Method 8270-BP102925.M) for 26) 2-Nitrophenol, 2-Nitroaniline, 2,6-Dinitrotoluene, 3-Nitroaniline,2,4-Dinitrotoluene,Butylbenzylphthalate,Bis(2-ethylhexyl)phthalate, These Compounds are passing on Linear regression and 2,4-Dinitrophenol,4,6-Dinitro-2-methylph.. are passing on Quadratic regression.

The Continuous Calibration met the requirements except following
VOC-TCLVOA-10 : The Continuous Calibration File ID VY023752.D met the requirements except for 2-Hexanone is failing high but no positive hit in associate sample therefore no corrective action taken.

SVOC-TCL BNA -20 : The Continuous Calibration File ID BF144198.D met the requirements except for Benzaldehyde. Associated samples does not have hit for this compound, Therefor no further corrective action was taken.

The Continuous Calibration File ID BP026090.D met the requirements except for 2,3,4,6-Tetrachlorophenol,2,4-Dinitrophenol,2,4-Dinitrotoluene,2-Nitrophenol,4,6-Dinitro-2-methylphenol,Butylbenzylphthalate,Di-n-octyl phthalate, Hexachlorocyclopentadiene and 2,4,6-Tribromophenol. Associated samples does not have hit for this compound, Therefor no further corrective action was taken. and Bis(2-ethylhexyl)phthalate faild high in Continuous Calibration, but associates sample has below CRQL hit, Therefor no further corrective action was taken.

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The Tuning criteria met requirements.

The Duplicate analysis met criteria for all compoundsexcept following Mercury,Metals ICP-TAL : The Duplicate (VNJ-238MSD) analysis met criteria for all compounds except for Copper and Zinc due to Chemical Interference during Digestion process.

The Serial Dilution met the acceptable requirements.

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

SEMI-VOA : The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

Mercury,Metals ICP-TAL : The Post Digest Spike (VNJ-238A) analysis met criteria for all compounds except for Sodium 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.

VOC-TCLVOA-10 : 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.

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

---

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

Signature 

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# 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 #:** Q3586

| | 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:** 11/21/2025

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q3586

**Client:** Remington & Vernick Engineers

| Sample ID | Client ID | Matrix | Parameter | | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID:** | **SED-1** | | | | | | | | |
| Q3586-01 | SED-1 | SOIL | Acetone | | 29.8 | | 4.60 | 24.5 | ug/Kg |
| Q3586-01 | SED-1 | SOIL | Carbon Disulfide | | 7.20 | | 1.00 | 4.90 | ug/Kg |
| Q3586-01 | SED-1 | SOIL | Methylene Chloride | | 12.4 | | 3.50 | 9.80 | ug/Kg |
| | | | **Total Voc :** | | 49.4 | | | | |
| Q3586-01 | SED-1 | SOIL | Tetrahydrofuran | * | 7.10 | J | 4.60 | 24.5 | ug/Kg |
| Q3586-01 | SED-1 | SOIL | Tert butyl alcohol | * | 29.8 | J | 13.4 | 24.5 | ug/Kg |
| Q3586-01 | SED-1 | SOIL | Diethyl Ether | * | 12.1 | J | 0.75 | 4.90 | ug/Kg |
| Q3586-01 | SED-1 | SOIL | Diisopropyl ether | * | 15.8 | J | 0.54 | 4.90 | ug/Kg |
| | | | **Total Tics :** | | 64.8 | | | | |
| | | | **Total Concentration:** | | 114 | | | | |
| **Client ID:** | **SED-1RE** | | | | | | | | |
| Q3586-01RE | SED-1RE | SOIL | Acetone | | 11.8 | J | 4.80 | 25.5 | ug/Kg |
| Q3586-01RE | SED-1RE | SOIL | Carbon Disulfide | | 3.50 | J | 1.10 | 5.10 | ug/Kg |
| Q3586-01RE | SED-1RE | SOIL | Methylene Chloride | | 5.10 | J | 3.60 | 10.2 | ug/Kg |
| | | | **Total Voc :** | | 20.4 | | | | |
| | | | **Total Concentration:** | | 20.4 | | | | |
| **Client ID:** | **SED-2** | | | | | | | | |
| Q3586-02 | SED-2 | SOIL | Acetone | | 160 | | 7.50 | 39.4 | ug/Kg |
| Q3586-02 | SED-2 | SOIL | Carbon Disulfide | | 2.90 | J | 1.70 | 7.90 | ug/Kg |
| Q3586-02 | SED-2 | SOIL | Methylene Chloride | | 10.6 | J | 5.60 | 15.8 | ug/Kg |
| Q3586-02 | SED-2 | SOIL | 2-Butanone | | 52.6 | | 10.3 | 39.4 | ug/Kg |
| | | | **Total Voc :** | | 226 | | | | |
| Q3586-02 | SED-2 | SOIL | 1-Phenyl-1-butene | * | 38.8 | J | 0 | 0 | ug/Kg |
| Q3586-02 | SED-2 | SOIL | 1H-Indene, 2,3-dihydro-1,1,3-tı | * | 21.1 | J | 0 | 0 | ug/Kg |
| Q3586-02 | SED-2 | SOIL | Naphthalene, 1,2,3,4-tetrahydrc | * | 28.8 | J | 0 | 0 | ug/Kg |
| Q3586-02 | SED-2 | SOIL | Naphthalene, 1,2,3,4-tetrahydrc | * | 20.9 | J | 0 | 0 | ug/Kg |
| Q3586-02 | SED-2 | SOIL | Naphthalene, 1,2,3,4-tetrahydrc | * | 51.8 | J | 0 | 0 | ug/Kg |
| Q3586-02 | SED-2 | SOIL | 1H-Indene, 2,3-dihydro-4,7-din | * | 21.2 | J | 0 | 0 | ug/Kg |
| Q3586-02 | SED-2 | SOIL | 1,2,4-Trimethylbenzene | * | 2.10 | J | 1.00 | 7.90 | ug/Kg |
| | | | **Total Tics :** | | 185 | | | | |
| | | | **Total Concentration:** | | 411 | | | | |
| **Client ID:** | **SED-2RE** | | | | | | | | |
| Q3586-02RE | SED-2RE | SOIL | Acetone | | 120 | | 6.80 | 35.6 | ug/Kg |
| Q3586-02RE | SED-2RE | SOIL | 2-Butanone | | 34.8 | J | 9.30 | 35.6 | ug/Kg |
| | | | **Total Voc :** | | 155 | | | | |
| | | | **Total Concentration:** | | 155 | | | | |
| **Client ID:** | **SED-3** | | | | | | | | |
| Q3586-03 | SED-3 | SOIL | Acetone | | 24.0 | J | 7.20 | 38.0 | ug/Kg |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q3586

**Client:** Remington & Vernick Engineers

| Sample ID | Client ID | Matrix | Parameter | | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| Q3586-03 | SED-3 | SOIL | Carbon Disulfide | | 5.50 | J | 1.60 | 7.60 | ug/Kg |
| | | | **Total Voc :** | | 29.5 | | | | |
| Q3586-03 | SED-3 | SOIL | Undecane | * | 10.0 | J | 0 | 0 | ug/Kg |
| | | | **Total Tics :** | | 10.0 | | | | |
| | | | **Total Concentration:** | | 39.5 | | | | |

# SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-1 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-01 | Matrix: | SOIL |
| Analytical Method: | 8260D Level: LOW | % Solid: | 62.9 |
| Sample Wt/Vol: | 8.12 g Final Vol: 5000 uL | Test: | VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1.10 | U | 1 | 1.10 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 74-87-3 | Chloromethane | 1.10 | U | 1 | 1.10 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 75-01-4 | Vinyl Chloride | 0.77 | U | 1 | 0.77 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 74-83-9 | Bromomethane | 1.00 | U | 1 | 1.00 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 75-00-3 | Chloroethane | 1.20 | U | 1 | 1.20 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 75-69-4 | Trichlorofluoromethane | 1.20 | U | 1 | 1.20 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1.00 | U | 1 | 1.00 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 75-35-4 | 1,1-Dichloroethene | 0.98 | U | 1 | 0.98 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 67-64-1 | Acetone | 29.8 | | 1 | 4.60 | 24.5 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 75-15-0 | Carbon Disulfide | 7.20 | | 1 | 1.00 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 1634-04-4 | Methyl tert-butyl Ether | 0.71 | U | 1 | 0.71 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 79-20-9 | Methyl Acetate | 1.50 | U | 1 | 1.50 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 75-09-2 | Methylene Chloride | 12.4 | | 1 | 3.50 | 9.80 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.84 | U | 1 | 0.84 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 75-34-3 | 1,1-Dichloroethane | 0.78 | U | 1 | 0.78 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 110-82-7 | Cyclohexane | 0.77 | U | 1 | 0.77 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 78-93-3 | 2-Butanone | 6.40 | U | 1 | 6.40 | 24.5 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 56-23-5 | Carbon Tetrachloride | 0.95 | U | 1 | 0.95 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.73 | U | 1 | 0.73 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 74-97-5 | Bromochloromethane | 1.10 | U | 1 | 1.10 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 67-66-3 | Chloroform | 0.82 | U | 1 | 0.82 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 71-55-6 | 1,1,1-Trichloroethane | 0.91 | U | 1 | 0.91 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 108-87-2 | Methylcyclohexane | 0.89 | U | 1 | 0.89 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 71-43-2 | Benzene | 0.77 | U | 1 | 0.77 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 107-06-2 | 1,2-Dichloroethane | 0.77 | U | 1 | 0.77 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 79-01-6 | Trichloroethene | 0.79 | U | 1 | 0.79 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 78-87-5 | 1,2-Dichloropropane | 0.89 | U | 1 | 0.89 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 75-27-4 | Bromodichloromethane | 0.76 | U | 1 | 0.76 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 108-10-1 | 4-Methyl-2-Pentanone | 3.50 | U | 1 | 3.50 | 24.5 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 108-88-3 | Toluene | 0.76 | U | 1 | 0.76 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 10061-02-6 | t-1,3-Dichloropropene | 0.64 | U | 1 | 0.64 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.61 | U | 1 | 0.61 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.90 | U | 1 | 0.90 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 591-78-6 | 2-Hexanone | 3.60 | U | 1 | 3.60 | 24.5 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 124-48-1 | Dibromochloromethane | 0.85 | U | 1 | 0.85 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 106-93-4 | 1,2-Dibromoethane | 0.86 | U | 1 | 0.86 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 127-18-4 | Tetrachloroethene | 1.00 | U | 1 | 1.00 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 108-90-7 | Chlorobenzene | 0.89 | U | 1 | 0.89 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 100-41-4 | Ethyl Benzene | 0.66 | U | 1 | 0.66 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 179601-23-1 | m/p-Xylenes | 1.20 | U | 1 | 1.20 | 9.80 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 95-47-6 | o-Xylene | 0.80 | U | 1 | 0.80 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 100-42-5 | Styrene | 0.70 | U | 1 | 0.70 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 75-25-2 | Bromoform | 0.84 | U | 1 | 0.84 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-1 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-01 | Matrix: | SOIL |
| Analytical Method: | 8260D | Level: LOW | % Solid: 62.9 |
| Sample Wt/Vol: | 8.12 g | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 0.76 | U | 1 | 0.76 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.20 | U | 1 | 1.20 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 541-73-1 | 1,3-Dichlorobenzene | 1.70 | U | 1 | 1.70 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 106-46-7 | 1,4-Dichlorobenzene | 1.50 | U | 1 | 1.50 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 95-50-1 | 1,2-Dichlorobenzene | 1.40 | U | 1 | 1.40 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1.80 | U | 1 | 1.80 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 2.90 | U | 1 | 2.90 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 3.10 | U | 1 | 3.10 | 4.90 | ug/Kg | 11/11/25 13:54 | VW111125 |
| **SURROGATES** | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 69.0 | * | | 70 (63) - 130 (155) | 138% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 57.4 | | | 70 (70) - 130 (134) | 115% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 58.2 | | | 70 (74) - 130 (123) | 116% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 98.6 | * | | 70 (52) - 130 (138) | 197% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 287000 | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 661000 | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 666000 | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 321000 | | | | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | | | |
| 60-29-7 | Diethyl Ether | 12.1 | J | | | 3.73 | ug/Kg | | |
| 75-65-0 | Tert butyl alcohol | 29.8 | J | | | 5.21 | ug/Kg | | |
| 108-20-3 | Diisopropyl ether | 15.8 | J | | | 6.34 | ug/Kg | | |
| 109-99-9 | Tetrahydrofuran | 7.10 | J | | | 7.56 | 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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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-1RE | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-01RE | Matrix: | SOIL |
| Analytical Method: | 8260D | Level: LOW | % Solid: 62.9 |
| Sample Wt/Vol: | 7.78 g | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1.20 | U | 1 | 1.20 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 74-87-3 | Chloromethane | 1.20 | U | 1 | 1.20 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 75-01-4 | Vinyl Chloride | 0.81 | U | 1 | 0.81 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 74-83-9 | Bromomethane | 1.10 | U | 1 | 1.10 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 75-00-3 | Chloroethane | 1.30 | U | 1 | 1.30 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 75-69-4 | Trichlorofluoromethane | 1.20 | U | 1 | 1.20 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1.10 | U | 1 | 1.10 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 75-35-4 | 1,1-Dichloroethene | 1.00 | U | 1 | 1.00 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 67-64-1 | Acetone | 11.8 | J | 1 | 4.80 | 25.5 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 75-15-0 | Carbon Disulfide | 3.50 | J | 1 | 1.10 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 1634-04-4 | Methyl tert-butyl Ether | 0.75 | U | 1 | 0.75 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 79-20-9 | Methyl Acetate | 1.60 | U | 1 | 1.60 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 75-09-2 | Methylene Chloride | 5.10 | J | 1 | 3.60 | 10.2 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.88 | U | 1 | 0.88 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 75-34-3 | 1,1-Dichloroethane | 0.82 | U | 1 | 0.82 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 110-82-7 | Cyclohexane | 0.81 | U | 1 | 0.81 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 78-93-3 | 2-Butanone | 6.70 | U | 1 | 6.70 | 25.5 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 56-23-5 | Carbon Tetrachloride | 0.99 | U | 1 | 0.99 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.77 | U | 1 | 0.77 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 74-97-5 | Bromochloromethane | 1.20 | U | 1 | 1.20 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 67-66-3 | Chloroform | 0.86 | U | 1 | 0.86 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 71-55-6 | 1,1,1-Trichloroethane | 0.95 | U | 1 | 0.95 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 108-87-2 | Methylcyclohexane | 0.93 | U | 1 | 0.93 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 71-43-2 | Benzene | 0.81 | U | 1 | 0.81 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 107-06-2 | 1,2-Dichloroethane | 0.81 | U | 1 | 0.81 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 79-01-6 | Trichloroethene | 0.83 | U | 1 | 0.83 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 78-87-5 | 1,2-Dichloropropane | 0.93 | U | 1 | 0.93 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 75-27-4 | Bromodichloromethane | 0.80 | U | 1 | 0.80 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 108-10-1 | 4-Methyl-2-Pentanone | 3.70 | U | 1 | 3.70 | 25.5 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 108-88-3 | Toluene | 0.80 | U | 1 | 0.80 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 10061-02-6 | t-1,3-Dichloropropene | 0.66 | U | 1 | 0.66 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.63 | U | 1 | 0.63 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.94 | U | 1 | 0.94 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 591-78-6 | 2-Hexanone | 3.80 | U | 1 | 3.80 | 25.5 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 124-48-1 | Dibromochloromethane | 0.89 | U | 1 | 0.89 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 106-93-4 | 1,2-Dibromoethane | 0.90 | U | 1 | 0.90 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 127-18-4 | Tetrachloroethene | 1.10 | U | 1 | 1.10 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 108-90-7 | Chlorobenzene | 0.93 | U | 1 | 0.93 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 100-41-4 | Ethyl Benzene | 0.68 | U | 1 | 0.68 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 179601-23-1 | m/p-Xylenes | 1.30 | U | 1 | 1.30 | 10.2 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 95-47-6 | o-Xylene | 0.84 | U | 1 | 0.84 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 100-42-5 | Styrene | 0.73 | U | 1 | 0.73 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 75-25-2 | Bromoform | 0.88 | U | 1 | 0.88 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-1RE | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-01RE | Matrix: | SOIL |
| Analytical Method: | 8260D Level: LOW | % Solid: | 62.9 |
| Sample Wt/Vol: | 7.78 g Final Vol: 5000 uL | Test: | VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 0.80 | U | 1 | 0.80 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.20 | U | 1 | 1.20 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 541-73-1 | 1,3-Dichlorobenzene | 1.70 | U | 1 | 1.70 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 106-46-7 | 1,4-Dichlorobenzene | 1.60 | U | 1 | 1.60 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 95-50-1 | 1,2-Dichlorobenzene | 1.50 | U | 1 | 1.50 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1.90 | U | 1 | 1.90 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 3.00 | U | 1 | 3.00 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 3.20 | U | 1 | 3.20 | 5.10 | ug/Kg | 11/12/25 13:14 | VY111225 |
| **SURROGATES** | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 36.5 | | | 70 (63) - 130 (155) | 73% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 46.8 | | | 70 (70) - 130 (134) | 94% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 49.3 | | | 70 (74) - 130 (123) | 99% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 33.6 | * | | 70 (52) - 130 (138) | 67% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 90700 | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 111000 | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 77900 | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 23500 | | | | | | | |

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: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-2 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-02 | Matrix: | SOIL |
| Analytical Method: | 8260D | Level: LOW | % Solid: 41.4 |
| Sample Wt/Vol: | 7.66 g | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1.80 | U | 1 | 1.80 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 74-87-3 | Chloromethane | 1.80 | U | 1 | 1.80 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 75-01-4 | Vinyl Chloride | 1.20 | U | 1 | 1.20 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 74-83-9 | Bromomethane | 1.70 | U | 1 | 1.70 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 75-00-3 | Chloroethane | 2.00 | U | 1 | 2.00 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 75-69-4 | Trichlorofluoromethane | 1.90 | U | 1 | 1.90 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1.70 | U | 1 | 1.70 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 75-35-4 | 1,1-Dichloroethene | 1.60 | U | 1 | 1.60 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 67-64-1 | Acetone | 160 | | 1 | 7.50 | 39.4 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 75-15-0 | Carbon Disulfide | 2.90 | J | 1 | 1.70 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 1634-04-4 | Methyl tert-butyl Ether | 1.20 | U | 1 | 1.20 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 79-20-9 | Methyl Acetate | 2.40 | U | 1 | 2.40 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 75-09-2 | Methylene Chloride | 10.6 | J | 1 | 5.60 | 15.8 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 156-60-5 | trans-1,2-Dichloroethene | 1.40 | U | 1 | 1.40 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 75-34-3 | 1,1-Dichloroethane | 1.30 | U | 1 | 1.30 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 110-82-7 | Cyclohexane | 1.20 | U | 1 | 1.20 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 78-93-3 | 2-Butanone | 52.6 | | 1 | 10.3 | 39.4 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 56-23-5 | Carbon Tetrachloride | 1.50 | U | 1 | 1.50 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 156-59-2 | cis-1,2-Dichloroethene | 1.20 | U | 1 | 1.20 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 74-97-5 | Bromochloromethane | 1.80 | U | 1 | 1.80 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 67-66-3 | Chloroform | 1.30 | U | 1 | 1.30 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 71-55-6 | 1,1,1-Trichloroethane | 1.50 | U | 1 | 1.50 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 108-87-2 | Methylcyclohexane | 1.40 | U | 1 | 1.40 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 71-43-2 | Benzene | 1.20 | U | 1 | 1.20 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 107-06-2 | 1,2-Dichloroethane | 1.20 | U | 1 | 1.20 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 79-01-6 | Trichloroethene | 1.30 | U | 1 | 1.30 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 78-87-5 | 1,2-Dichloropropane | 1.40 | U | 1 | 1.40 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 75-27-4 | Bromodichloromethane | 1.20 | U | 1 | 1.20 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 108-10-1 | 4-Methyl-2-Pentanone | 5.60 | U | 1 | 5.60 | 39.4 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 108-88-3 | Toluene | 1.20 | U | 1 | 1.20 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 10061-02-6 | t-1,3-Dichloropropene | 1.00 | U | 1 | 1.00 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.98 | U | 1 | 0.98 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 79-00-5 | 1,1,2-Trichloroethane | 1.50 | U | 1 | 1.50 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 591-78-6 | 2-Hexanone | 5.80 | U | 1 | 5.80 | 39.4 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 124-48-1 | Dibromochloromethane | 1.40 | U | 1 | 1.40 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 106-93-4 | 1,2-Dibromoethane | 1.40 | U | 1 | 1.40 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 127-18-4 | Tetrachloroethene | 1.70 | U | 1 | 1.70 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 108-90-7 | Chlorobenzene | 1.40 | U | 1 | 1.40 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 100-41-4 | Ethyl Benzene | 1.10 | U | 1 | 1.10 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 179601-23-1 | m/p-Xylenes | 2.00 | U | 1 | 2.00 | 15.8 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 95-47-6 | o-Xylene | 1.30 | U | 1 | 1.30 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 100-42-5 | Styrene | 1.10 | U | 1 | 1.10 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 75-25-2 | Bromoform | 1.40 | U | 1 | 1.40 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |

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



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-2 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-02 | Matrix: | SOIL |
| Analytical Method: | 8260D Level: LOW | % Solid: | 41.4 |
| Sample Wt/Vol: | 7.66 g Final Vol: 5000 uL | Test: | VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 1.20 | U | 1 | 1.20 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.90 | U | 1 | 1.90 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 541-73-1 | 1,3-Dichlorobenzene | 2.70 | U | 1 | 2.70 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 106-46-7 | 1,4-Dichlorobenzene | 2.50 | U | 1 | 2.50 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 95-50-1 | 1,2-Dichlorobenzene | 2.30 | U | 1 | 2.30 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 2.90 | U | 1 | 2.90 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 4.70 | U | 1 | 4.70 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 5.00 | U | 1 | 5.00 | 7.90 | ug/Kg | 11/11/25 14:15 | VW111125 |
| **SURROGATES** | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 80.6 | * | | 70 (63) - 130 (155) | 161% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 64.7 | | | 70 (70) - 130 (134) | 129% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 62.2 | | | 70 (74) - 130 (123) | 124% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 67.6 | * | | 70 (52) - 130 (138) | 135% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 283000 | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 670000 | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 673000 | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 275000 | | | | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | | | |
| 95-63-6 | 1,2,4-Trimethylbenzene | 2.10 | J | | | 13.3 | ug/Kg | | |
| 000824-90-8 | 1-Phenyl-1-butene | 38.8 | J | | | 14.8 | ug/Kg | | |
| 003877-19-8 | Naphthalene, 1,2,3,4-tetrahydro-2- | 20.9 | J | | | 15.4 | ug/Kg | | |
| 006682-71-9 | 1H-Indene, 2,3-dihydro-4,7-dimethy | 21.2 | J | | | 15.6 | ug/Kg | | |
| 002809-64-5 | Naphthalene, 1,2,3,4-tetrahydro-5- | 28.8 | J | | | 16.2 | ug/Kg | | |
| 004175-54-6 | Naphthalene, 1,2,3,4-tetrahydro-1, | 51.8 | J | | | 16.4 | ug/Kg | | |
| 002613-76-5 | 1H-Indene, 2,3-dihydro-1,1,3-trime | 21.1 | J | | | 16.4 | 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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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-2RE | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-02RE | Matrix: | SOIL |
| Analytical Method: | 8260D Level: LOW | % Solid: | 41.4 |
| Sample Wt/Vol: | 8.48 g Final Vol: 5000 uL | Test: | VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1.60 | U | 1 | 1.60 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 74-87-3 | Chloromethane | 1.60 | U | 1 | 1.60 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 75-01-4 | Vinyl Chloride | 1.10 | U | 1 | 1.10 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 74-83-9 | Bromomethane | 1.50 | U | 1 | 1.50 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 75-00-3 | Chloroethane | 1.80 | U | 1 | 1.80 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 75-69-4 | Trichlorofluoromethane | 1.70 | U | 1 | 1.70 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1.50 | U | 1 | 1.50 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 75-35-4 | 1,1-Dichloroethene | 1.40 | U | 1 | 1.40 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 67-64-1 | Acetone | 120 | | 1 | 6.80 | 35.6 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 75-15-0 | Carbon Disulfide | 1.50 | U | 1 | 1.50 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 1634-04-4 | Methyl tert-butyl Ether | 1.00 | U | 1 | 1.00 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 79-20-9 | Methyl Acetate | 2.20 | U | 1 | 2.20 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 75-09-2 | Methylene Chloride | 5.00 | U | 1 | 5.00 | 14.2 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 156-60-5 | trans-1,2-Dichloroethene | 1.20 | U | 1 | 1.20 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 75-34-3 | 1,1-Dichloroethane | 1.10 | U | 1 | 1.10 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 110-82-7 | Cyclohexane | 1.10 | U | 1 | 1.10 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 78-93-3 | 2-Butanone | 34.8 | J | 1 | 9.30 | 35.6 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 56-23-5 | Carbon Tetrachloride | 1.40 | U | 1 | 1.40 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 156-59-2 | cis-1,2-Dichloroethene | 1.10 | U | 1 | 1.10 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 74-97-5 | Bromochloromethane | 1.60 | U | 1 | 1.60 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 67-66-3 | Chloroform | 1.20 | U | 1 | 1.20 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 71-55-6 | 1,1,1-Trichloroethane | 1.30 | U | 1 | 1.30 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 108-87-2 | Methylcyclohexane | 1.30 | U | 1 | 1.30 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 71-43-2 | Benzene | 1.10 | U | 1 | 1.10 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 107-06-2 | 1,2-Dichloroethane | 1.10 | U | 1 | 1.10 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 79-01-6 | Trichloroethene | 1.20 | U | 1 | 1.20 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 78-87-5 | 1,2-Dichloropropane | 1.30 | U | 1 | 1.30 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 75-27-4 | Bromodichloromethane | 1.10 | U | 1 | 1.10 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 108-10-1 | 4-Methyl-2-Pentanone | 5.10 | U | 1 | 5.10 | 35.6 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 108-88-3 | Toluene | 1.10 | U | 1 | 1.10 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 10061-02-6 | t-1,3-Dichloropropene | 0.93 | U | 1 | 0.93 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.88 | U | 1 | 0.88 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 79-00-5 | 1,1,2-Trichloroethane | 1.30 | U | 1 | 1.30 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 591-78-6 | 2-Hexanone | 5.30 | U | 1 | 5.30 | 35.6 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 124-48-1 | Dibromochloromethane | 1.20 | U | 1 | 1.20 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 106-93-4 | 1,2-Dibromoethane | 1.30 | U | 1 | 1.30 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 127-18-4 | Tetrachloroethene | 1.50 | U | 1 | 1.50 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 108-90-7 | Chlorobenzene | 1.30 | U | 1 | 1.30 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 100-41-4 | Ethyl Benzene | 0.95 | U | 1 | 0.95 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 179601-23-1 | m/p-Xylenes | 1.80 | U | 1 | 1.80 | 14.2 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 95-47-6 | o-Xylene | 1.20 | U | 1 | 1.20 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 100-42-5 | Styrene | 1.00 | U | 1 | 1.00 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 75-25-2 | Bromoform | 1.20 | U | 1 | 1.20 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |

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



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-2RE | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-02RE | Matrix: | SOIL |
| Analytical Method: | 8260D Level: LOW | % Solid: | 41.4 |
| Sample Wt/Vol: | 8.48 g Final Vol: 5000 uL | Test: | VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 1.10 | U | 1 | 1.10 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.70 | U | 1 | 1.70 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 541-73-1 | 1,3-Dichlorobenzene | 2.40 | U | 1 | 2.40 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 106-46-7 | 1,4-Dichlorobenzene | 2.20 | U | 1 | 2.20 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 95-50-1 | 1,2-Dichlorobenzene | 2.10 | U | 1 | 2.10 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 2.60 | U | 1 | 2.60 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 4.20 | U | 1 | 4.20 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 4.50 | U | 1 | 4.50 | 7.10 | ug/Kg | 11/12/25 13:38 | VY111225 |
| **SURROGATES** | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 88.5 | * | | 70 (63) - 130 (155) | 177% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 66.4 | * | | 70 (70) - 130 (134) | 133% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 48.9 | | | 70 (74) - 130 (123) | 98% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 47.0 | | | 70 (52) - 130 (138) | 94% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 69400 | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 118000 | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 116000 | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 41900 | | | | | | | |

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



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-3 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03 | Matrix: | SOIL |
| Analytical Method: | 8260D | Level: LOW | % Solid: 50.9 |
| Sample Wt/Vol: | 6.46 g | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1.70 | U | 1 | 1.70 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 74-87-3 | Chloromethane | 1.70 | U | 1 | 1.70 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 75-01-4 | Vinyl Chloride | 1.20 | U | 1 | 1.20 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 74-83-9 | Bromomethane | 1.60 | U | 1 | 1.60 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 75-00-3 | Chloroethane | 1.90 | U | 1 | 1.90 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 75-69-4 | Trichlorofluoromethane | 1.80 | U | 1 | 1.80 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1.60 | U | 1 | 1.60 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 75-35-4 | 1,1-Dichloroethene | 1.50 | U | 1 | 1.50 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 67-64-1 | Acetone | 24.0 | J | 1 | 7.20 | 38.0 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 75-15-0 | Carbon Disulfide | 5.50 | J | 1 | 1.60 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 1634-04-4 | Methyl tert-butyl Ether | 1.10 | U | 1 | 1.10 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 79-20-9 | Methyl Acetate | 2.30 | U | 1 | 2.30 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 75-09-2 | Methylene Chloride | 5.40 | U | 1 | 5.40 | 15.2 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 156-60-5 | trans-1,2-Dichloroethene | 1.30 | U | 1 | 1.30 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 75-34-3 | 1,1-Dichloroethane | 1.20 | U | 1 | 1.20 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 110-82-7 | Cyclohexane | 1.20 | U | 1 | 1.20 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 78-93-3 | 2-Butanone | 9.90 | U | 1 | 9.90 | 38.0 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 56-23-5 | Carbon Tetrachloride | 1.50 | U | 1 | 1.50 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 156-59-2 | cis-1,2-Dichloroethene | 1.10 | U | 1 | 1.10 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 74-97-5 | Bromochloromethane | 1.70 | U | 1 | 1.70 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 67-66-3 | Chloroform | 1.30 | U | 1 | 1.30 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 71-55-6 | 1,1,1-Trichloroethane | 1.40 | U | 1 | 1.40 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 108-87-2 | Methylcyclohexane | 1.40 | U | 1 | 1.40 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 71-43-2 | Benzene | 1.20 | U | 1 | 1.20 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 107-06-2 | 1,2-Dichloroethane | 1.20 | U | 1 | 1.20 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 79-01-6 | Trichloroethene | 1.20 | U | 1 | 1.20 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 78-87-5 | 1,2-Dichloropropane | 1.40 | U | 1 | 1.40 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 75-27-4 | Bromodichloromethane | 1.20 | U | 1 | 1.20 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 108-10-1 | 4-Methyl-2-Pentanone | 5.40 | U | 1 | 5.40 | 38.0 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 108-88-3 | Toluene | 1.20 | U | 1 | 1.20 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 10061-02-6 | t-1,3-Dichloropropene | 0.99 | U | 1 | 0.99 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.94 | U | 1 | 0.94 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 79-00-5 | 1,1,2-Trichloroethane | 1.40 | U | 1 | 1.40 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 591-78-6 | 2-Hexanone | 5.60 | U | 1 | 5.60 | 38.0 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 124-48-1 | Dibromochloromethane | 1.30 | U | 1 | 1.30 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 106-93-4 | 1,2-Dibromoethane | 1.30 | U | 1 | 1.30 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 127-18-4 | Tetrachloroethene | 1.60 | U | 1 | 1.60 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 108-90-7 | Chlorobenzene | 1.40 | U | 1 | 1.40 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 100-41-4 | Ethyl Benzene | 1.00 | U | 1 | 1.00 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 179601-23-1 | m/p-Xylenes | 1.90 | U | 1 | 1.90 | 15.2 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 95-47-6 | o-Xylene | 1.20 | U | 1 | 1.20 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 100-42-5 | Styrene | 1.10 | U | 1 | 1.10 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 75-25-2 | Bromoform | 1.30 | U | 1 | 1.30 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-3 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03 | Matrix: | SOIL |
| Analytical Method: | 8260D | Level: LOW | % Solid: 50.9 |
| Sample Wt/Vol: | 6.46 g | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 1.20 | U | 1 | 1.20 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.80 | U | 1 | 1.80 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 541-73-1 | 1,3-Dichlorobenzene | 2.60 | U | 1 | 2.60 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 106-46-7 | 1,4-Dichlorobenzene | 2.40 | U | 1 | 2.40 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 95-50-1 | 1,2-Dichlorobenzene | 2.20 | U | 1 | 2.20 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 2.80 | U | 1 | 2.80 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 4.50 | U | 1 | 4.50 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 4.80 | U | 1 | 4.80 | 7.60 | ug/Kg | 11/12/25 14:01 | VY111225 |
| **SURROGATES** | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 62.1 | | | 70 (63) - 130 (155) | 124% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 52.5 | | | 70 (70) - 130 (134) | 105% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 48.6 | | | 70 (74) - 130 (123) | 97% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 46.0 | | | 70 (52) - 130 (138) | 92% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 716000 | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 1240000 | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 1080000 | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 466000 | | | | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | | | |
| 001120-21-4 | Undecane | 10.0 | J | | | 13.7 | ug/Kg | | |

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

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

# QC SUMMARY

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Fax : 908 789 8922



## Surrogate Summary

**SDG No.:** Q3586

**Client:** Remington & Vernick Engineers

**Analytical Method:** SW8260D

| Lab Sample ID | Client ID | Parameter | Spike | Result | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|
| Q3586-01 | SED-1 | 1,2-Dichloroethane-d4 | 50 | 69.0 | 138 | * | 70 (63) | 130 (155) |
| | | Dibromofluoromethane | 50 | 57.4 | 115 | | 70 (70) | 130 (134) |
| | | Toluene-d8 | 50 | 58.2 | 116 | | 70 (74) | 130 (123) |
| | | 4-Bromofluorobenzene | 50 | 98.6 | 197 | * | 70 (52) | 130 (138) |
| Q3586-01RE | SED-1RE | 1,2-Dichloroethane-d4 | 50 | 36.5 | 73 | | 70 (63) | 130 (155) |
| | | Dibromofluoromethane | 50 | 46.8 | 94 | | 70 (70) | 130 (134) |
| | | Toluene-d8 | 50 | 49.3 | 99 | | 70 (74) | 130 (123) |
| | | 4-Bromofluorobenzene | 50 | 33.6 | 67 | * | 70 (52) | 130 (138) |
| Q3586-02 | SED-2 | 1,2-Dichloroethane-d4 | 50 | 80.6 | 161 | * | 70 (63) | 130 (155) |
| | | Dibromofluoromethane | 50 | 64.7 | 129 | | 70 (70) | 130 (134) |
| | | Toluene-d8 | 50 | 62.1 | 124 | | 70 (74) | 130 (123) |
| | | 4-Bromofluorobenzene | 50 | 67.6 | 135 | * | 70 (52) | 130 (138) |
| Q3586-02RE | SED-2RE | 1,2-Dichloroethane-d4 | 50 | 88.5 | 177 | * | 70 (63) | 130 (155) |
| | | Dibromofluoromethane | 50 | 66.4 | 133 | * | 70 (70) | 130 (134) |
| | | Toluene-d8 | 50 | 49.0 | 98 | | 70 (74) | 130 (123) |
| | | 4-Bromofluorobenzene | 50 | 47.0 | 94 | | 70 (52) | 130 (138) |
| Q3586-03 | SED-3 | 1,2-Dichloroethane-d4 | 50 | 62.1 | 124 | | 70 (63) | 130 (155) |
| | | Dibromofluoromethane | 50 | 52.5 | 105 | | 70 (70) | 130 (134) |
| | | Toluene-d8 | 50 | 48.6 | 97 | | 70 (74) | 130 (123) |
| | | 4-Bromofluorobenzene | 50 | 46.0 | 92 | | 70 (52) | 130 (138) |
| VW1111SBL01 | VW1111SBL01 | 1,2-Dichloroethane-d4 | 50 | 60.2 | 120 | | 70 (63) | 130 (155) |
| | | Dibromofluoromethane | 50 | 55.1 | 110 | | 70 (70) | 130 (134) |
| | | Toluene-d8 | 50 | 53.1 | 106 | | 70 (74) | 130 (123) |
| | | 4-Bromofluorobenzene | 50 | 57.3 | 115 | | 70 (52) | 130 (138) |
| VW1111SBS01 | VW1111SBS01 | 1,2-Dichloroethane-d4 | 50 | 48.5 | 97 | | 70 (63) | 130 (155) |
| | | Dibromofluoromethane | 50 | 49.5 | 99 | | 70 (70) | 130 (134) |
| | | Toluene-d8 | 50 | 51.3 | 103 | | 70 (74) | 130 (123) |
| | | 4-Bromofluorobenzene | 50 | 50.5 | 101 | | 70 (52) | 130 (138) |
| VW1111SBSD0 | VW1111SBSD01 | 1,2-Dichloroethane-d4 | 50 | 50.6 | 101 | | 70 (63) | 130 (155) |
| | | Dibromofluoromethane | 50 | 47.1 | 94 | | 70 (70) | 130 (134) |
| | | Toluene-d8 | 50 | 48.0 | 96 | | 70 (74) | 130 (123) |
| | | 4-Bromofluorobenzene | 50 | 46.6 | 93 | | 70 (52) | 130 (138) |
| VY1112SBL01 | VY1112SBL01 | 1,2-Dichloroethane-d4 | 50 | 57.4 | 115 | | 70 (63) | 130 (155) |
| | | Dibromofluoromethane | 50 | 51.1 | 102 | | 70 (70) | 130 (134) |
| | | Toluene-d8 | 50 | 48.1 | 96 | | 70 (74) | 130 (123) |
| | | 4-Bromofluorobenzene | 50 | 42.4 | 85 | | 70 (52) | 130 (138) |
| VY1112SBS01 | VY1112SBS01 | 1,2-Dichloroethane-d4 | 50 | 49.4 | 99 | | 70 (63) | 130 (155) |
| | | Dibromofluoromethane | 50 | 50.6 | 101 | | 70 (70) | 130 (134) |
| | | Toluene-d8 | 50 | 51.3 | 103 | | 70 (74) | 130 (123) |
| | | 4-Bromofluorobenzene | 50 | 51.8 | 104 | | 70 (52) | 130 (138) |

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Fax : 908 789 8922



## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

**SDG No.:** Q3586 **Analytical Method:** SW8260D

**Client:** Remington & Vernick Engineers **Datafile :** VW032417.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VW1111SBS01 | Dichlorodifluoromethane | 20 | 18.7 | ug/Kg | 94 | | | 40 (64) | 160 (136) | |
| | Chloromethane | 20 | 20.7 | ug/Kg | 104 | | | 40 (73) | 160 (129) | |
| | Vinyl chloride | 20 | 21.0 | ug/Kg | 105 | | | 70 (73) | 130 (133) | |
| | Bromomethane | 20 | 20.9 | ug/Kg | 104 | | | 40 (77) | 160 (137) | |
| | Chloroethane | 20 | 20.5 | ug/Kg | 103 | | | 40 (69) | 160 (130) | |
| | Trichlorofluoromethane | 20 | 18.3 | ug/Kg | 92 | | | 40 (69) | 160 (134) | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 21.3 | ug/Kg | 106 | | | 70 (81) | 130 (123) | |
| | 1,1-Dichloroethene | 20 | 21.3 | ug/Kg | 106 | | | 70 (79) | 130 (121) | |
| | Acetone | 100 | 100 | ug/Kg | 100 | | | 40 (60) | 160 (174) | |
| | Carbon disulfide | 20 | 20.3 | ug/Kg | 102 | | | 40 (73) | 160 (125) | |
| | Methyl tert-butyl Ether | 20 | 19.5 | ug/Kg | 98 | | | 70 (77) | 130 (129) | |
| | Methyl Acetate | 20 | 17.2 | ug/Kg | 86 | | | 70 (51) | 130 (140) | |
| | Methylene Chloride | 20 | 19.2 | ug/Kg | 96 | | | 70 (54) | 130 (158) | |
| | trans-1,2-Dichloroethene | 20 | 20.1 | ug/Kg | 101 | | | 70 (80) | 130 (123) | |
| | 1,1-Dichloroethane | 20 | 20.6 | ug/Kg | 103 | | | 70 (82) | 130 (123) | |
| | Cyclohexane | 20 | 20.8 | ug/Kg | 104 | | | 70 (76) | 130 (122) | |
| | 2-Butanone | 100 | 90.4 | ug/Kg | 90 | | | 40 (69) | 160 (131) | |
| | Carbon Tetrachloride | 20 | 21.2 | ug/Kg | 106 | | | 70 (76) | 130 (129) | |
| | cis-1,2-Dichloroethene | 20 | 20.2 | ug/Kg | 101 | | | 70 (82) | 130 (123) | |
| | Bromochloromethane | 20 | 19.4 | ug/Kg | 97 | | | 70 (80) | 130 (127) | |
| | Chloroform | 20 | 20.7 | ug/Kg | 104 | | | 70 (82) | 130 (125) | |
| | 1,1,1-Trichloroethane | 20 | 20.8 | ug/Kg | 104 | | | 70 (80) | 130 (126) | |
| | Methylcyclohexane | 20 | 20.8 | ug/Kg | 104 | | | 70 (77) | 130 (123) | |
| | Benzene | 20 | 20.9 | ug/Kg | 104 | | | 70 (84) | 130 (121) | |
| | 1,2-Dichloroethane | 20 | 20.2 | ug/Kg | 101 | | | 70 (81) | 130 (126) | |
| | Trichloroethene | 20 | 20.3 | ug/Kg | 102 | | | 70 (83) | 130 (122) | |
| | 1,2-Dichloropropane | 20 | 20.6 | ug/Kg | 103 | | | 70 (83) | 130 (122) | |
| | Bromodichloromethane | 20 | 20.2 | ug/Kg | 101 | | | 70 (82) | 130 (123) | |
| | 4-Methyl-2-Pentanone | 100 | 92.1 | ug/Kg | 92 | | | 40 (70) | 160 (135) | |
| | Toluene | 20 | 21.2 | ug/Kg | 106 | | | 70 (83) | 130 (122) | |
| | t-1,3-Dichloropropene | 20 | 19.5 | ug/Kg | 98 | | | 70 (78) | 130 (124) | |
| | cis-1,3-Dichloropropene | 20 | 20.2 | ug/Kg | 101 | | | 70 (81) | 130 (122) | |
| | 1,1,2-Trichloroethane | 20 | 20.0 | ug/Kg | 100 | | | 70 (82) | 130 (125) | |
| | 2-Hexanone | 100 | 91.7 | ug/Kg | 92 | | | 40 (66) | 160 (138) | |
| | Dibromochloromethane | 20 | 19.2 | ug/Kg | 96 | | | 70 (79) | 130 (125) | |
| | 1,2-Dibromoethane | 20 | 19.5 | ug/Kg | 98 | | | 70 (80) | 130 (125) | |
| | Tetrachloroethene | 20 | 21.3 | ug/Kg | 106 | | | 70 (83) | 130 (125) | |
| | Chlorobenzene | 20 | 20.7 | ug/Kg | 104 | | | 70 (84) | 130 (122) | |
| | Ethyl Benzene | 20 | 20.5 | ug/Kg | 103 | | | 70 (82) | 130 (124) | |
| | m/p-Xylenes | 40 | 41.8 | ug/Kg | 104 | | | 70 (83) | 130 (124) | |
| | o-Xylene | 20 | 20.0 | ug/Kg | 100 | | | 70 (83) | 130 (123) | |
| | Styrene | 20 | 20.9 | ug/Kg | 104 | | | 70 (82) | 130 (124) | |
| | Bromoform | 20 | 18.1 | ug/Kg | 91 | | | 70 (75) | 130 (127) | |
| | Isopropylbenzene | 20 | 20.7 | ug/Kg | 104 | | | 70 (82) | 130 (124) | |
| | 1,1,2,2-Tetrachloroethane | 20 | 19.3 | ug/Kg | 97 | | | 70 (77) | 130 (127) | |
| | 1,3-Dichlorobenzene | 20 | 22.1 | ug/Kg | 111 | | | 70 (83) | 130 (122) | |
| | 1,4-Dichlorobenzene | 20 | 20.8 | ug/Kg | 104 | | | 70 (84) | 130 (121) | |
| | 1,2-Dichlorobenzene | 20 | 19.9 | ug/Kg | 100 | | | 70 (83) | 130 (124) | |

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



## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

**SDG No.:** Q3586 **Analytical Method:** SW8260D

**Client:** Remington & Vernick Engineers **Datafile :** VW032417.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VW1111SBS01 | 1,2-Dibromo-3-Chloropropane | 20 | 17.8 | ug/Kg | 89 | | | 40 (66) | 160 (134) | |
| | 1,2,4-Trichlorobenzene | 20 | 20.5 | ug/Kg | 103 | | | 70 (78) | 130 (127) | |
| | 1,2,3-Trichlorobenzene | 20 | 19.3 | ug/Kg | 97 | | | 70 (70) | 130 (137) | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

**SDG No.:** Q3586 **Analytical Method:** SW8260D

**Client:** Remington & Vernick Engineers **Datafile :** VW032418.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VW1111SBSD01 | Dichlorodifluoromethane | 20 | 17.2 | ug/Kg | 86 | 9 | | 40 (64) | 160 (136) | 30 (20) |
| | Chloromethane | 20 | 20.5 | ug/Kg | 103 | 1 | | 40 (73) | 160 (129) | 30 (15) |
| | Vinyl chloride | 20 | 20.3 | ug/Kg | 102 | 3 | | 70 (73) | 130 (133) | 30 (15) |
| | Bromomethane | 20 | 21.1 | ug/Kg | 106 | 2 | | 40 (77) | 160 (137) | 30 (15) |
| | Chloroethane | 20 | 20.5 | ug/Kg | 103 | 0 | | 40 (69) | 160 (130) | 30 (15) |
| | Trichlorofluoromethane | 20 | 20.2 | ug/Kg | 101 | 9 | | 40 (69) | 160 (134) | 30 (27) |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 20.1 | ug/Kg | 101 | 5 | | 70 (81) | 130 (123) | 30 (20) |
| | 1,1-Dichloroethene | 20 | 20.3 | ug/Kg | 102 | 4 | | 70 (79) | 130 (121) | 30 (16) |
| | Acetone | 100 | 110 | ug/Kg | 110 | 10 | | 40 (60) | 160 (174) | 30 (28) |
| | Carbon disulfide | 20 | 20.6 | ug/Kg | 103 | 1 | | 40 (73) | 160 (125) | 30 (15) |
| | Methyl tert-butyl Ether | 20 | 20.8 | ug/Kg | 104 | 6 | | 70 (77) | 130 (129) | 30 (20) |
| | Methyl Acetate | 20 | 19.7 | ug/Kg | 99 | 14 | | 70 (51) | 130 (140) | 30 (30) |
| | Methylene Chloride | 20 | 19.5 | ug/Kg | 98 | 2 | | 70 (54) | 130 (158) | 30 (20) |
| | trans-1,2-Dichloroethene | 20 | 20.4 | ug/Kg | 102 | 1 | | 70 (80) | 130 (123) | 30 (15) |
| | 1,1-Dichloroethane | 20 | 20.6 | ug/Kg | 103 | 0 | | 70 (82) | 130 (123) | 30 (15) |
| | Cyclohexane | 20 | 20.0 | ug/Kg | 100 | 4 | | 70 (76) | 130 (122) | 30 (15) |
| | 2-Butanone | 100 | 110 | ug/Kg | 110 | 20 | | 40 (69) | 160 (131) | 30 (29) |
| | Carbon Tetrachloride | 20 | 19.9 | ug/Kg | 100 | 6 | | 70 (76) | 130 (129) | 30 (15) |
| | cis-1,2-Dichloroethene | 20 | 20.4 | ug/Kg | 102 | 1 | | 70 (82) | 130 (123) | 30 (15) |
| | Bromochloromethane | 20 | 20.5 | ug/Kg | 103 | 6 | | 70 (80) | 130 (127) | 30 (15) |
| | Chloroform | 20 | 21.0 | ug/Kg | 105 | 1 | | 70 (82) | 130 (125) | 30 (15) |
| | 1,1,1-Trichloroethane | 20 | 21.0 | ug/Kg | 105 | 1 | | 70 (80) | 130 (126) | 30 (15) |
| | Methylcyclohexane | 20 | 19.4 | ug/Kg | 97 | 7 | | 70 (77) | 130 (123) | 30 (15) |
| | Benzene | 20 | 19.7 | ug/Kg | 99 | 5 | | 70 (84) | 130 (121) | 30 (15) |
| | 1,2-Dichloroethane | 20 | 19.9 | ug/Kg | 100 | 1 | | 70 (81) | 130 (126) | 30 (15) |
| | Trichloroethene | 20 | 19.5 | ug/Kg | 98 | 4 | | 70 (83) | 130 (122) | 30 (15) |
| | 1,2-Dichloropropane | 20 | 19.7 | ug/Kg | 99 | 4 | | 70 (83) | 130 (122) | 30 (15) |
| | Bromodichloromethane | 20 | 20.0 | ug/Kg | 100 | 1 | | 70 (82) | 130 (123) | 30 (15) |
| | 4-Methyl-2-Pentanone | 100 | 100 | ug/Kg | 100 | 8 | | 40 (70) | 160 (135) | 30 (26) |
| | Toluene | 20 | 19.8 | ug/Kg | 99 | 7 | | 70 (83) | 130 (122) | 30 (15) |
| | t-1,3-Dichloropropene | 20 | 19.4 | ug/Kg | 97 | 1 | | 70 (78) | 130 (124) | 30 (15) |
| | cis-1,3-Dichloropropene | 20 | 19.5 | ug/Kg | 98 | 3 | | 70 (81) | 130 (122) | 30 (15) |
| | 1,1,2-Trichloroethane | 20 | 20.1 | ug/Kg | 101 | 1 | | 70 (82) | 130 (125) | 30 (15) |
| | 2-Hexanone | 100 | 100 | ug/Kg | 100 | 8 | | 40 (66) | 160 (138) | 30 (27) |
| | Dibromochloromethane | 20 | 19.7 | ug/Kg | 99 | 3 | | 70 (79) | 130 (125) | 30 (15) |
| | 1,2-Dibromoethane | 20 | 19.8 | ug/Kg | 99 | 1 | | 70 (80) | 130 (125) | 30 (16) |
| | Tetrachloroethene | 20 | 20.5 | ug/Kg | 103 | 3 | | 70 (83) | 130 (125) | 30 (15) |
| | Chlorobenzene | 20 | 19.7 | ug/Kg | 99 | 5 | | 70 (84) | 130 (122) | 30 (15) |
| | Ethyl Benzene | 20 | 20.1 | ug/Kg | 101 | 2 | | 70 (82) | 130 (124) | 30 (15) |
| | m/p-Xylenes | 40 | 41.0 | ug/Kg | 103 | 1 | | 70 (83) | 130 (124) | 30 (15) |
| | o-Xylene | 20 | 20.0 | ug/Kg | 100 | 0 | | 70 (83) | 130 (123) | 30 (15) |
| | Styrene | 20 | 19.7 | ug/Kg | 99 | 5 | | 70 (82) | 130 (124) | 30 (15) |
| | Bromoform | 20 | 19.5 | ug/Kg | 98 | 7 | | 70 (75) | 130 (127) | 30 (16) |
| | Isopropylbenzene | 20 | 20.4 | ug/Kg | 102 | 2 | | 70 (82) | 130 (124) | 30 (15) |
| | 1,1,2,2-Tetrachloroethane | 20 | 20.6 | ug/Kg | 103 | 6 | | 70 (77) | 130 (127) | 30 (21) |
| | 1,3-Dichlorobenzene | 20 | 20.8 | ug/Kg | 104 | 7 | | 70 (83) | 130 (122) | 30 (15) |
| | 1,4-Dichlorobenzene | 20 | 20.6 | ug/Kg | 103 | 1 | | 70 (84) | 130 (121) | 30 (15) |
| | 1,2-Dichlorobenzene | 20 | 20.9 | ug/Kg | 104 | 4 | | 70 (83) | 130 (124) | 30 (15) |

( ) = LABORATORY INHOUSE LIMIT

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

**SDG No.:** Q3586 **Analytical Method:** SW8260D

**Client:** Remington & Vernick Engineers **Datafile :** VW032418.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VW1111SBSD01 | 1,2-Dibromo-3-Chloropropane | 20 | 20.4 | ug/Kg | 102 | 14 | | 40 (66) | 160 (134) | 30 (20) |
| | 1,2,4-Trichlorobenzene | 20 | 20.0 | ug/Kg | 100 | 3 | | 70 (78) | 130 (127) | 30 (20) |
| | 1,2,3-Trichlorobenzene | 20 | 20.3 | ug/Kg | 102 | 5 | | 70 (70) | 130 (137) | 30 (16) |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

**SDG No.:** Q3586 **Analytical Method:** SW8260D

**Client:** Remington & Vernick Engineers **Datafile :** VY023754.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VY1112SBS01 | Dichlorodifluoromethane | 20 | 21.2 | ug/Kg | 106 | | | 40 (64) | 160 (136) | |
| | Chloromethane | 20 | 19.0 | ug/Kg | 95 | | | 40 (73) | 160 (129) | |
| | Vinyl chloride | 20 | 19.3 | ug/Kg | 97 | | | 70 (73) | 130 (133) | |
| | Bromomethane | 20 | 20.1 | ug/Kg | 101 | | | 40 (77) | 160 (137) | |
| | Chloroethane | 20 | 19.2 | ug/Kg | 96 | | | 40 (69) | 160 (130) | |
| | Trichlorofluoromethane | 20 | 21.0 | ug/Kg | 105 | | | 40 (69) | 160 (134) | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 20.5 | ug/Kg | 103 | | | 70 (81) | 130 (123) | |
| | 1,1-Dichloroethene | 20 | 19.7 | ug/Kg | 99 | | | 70 (79) | 130 (121) | |
| | Acetone | 100 | 110 | ug/Kg | 110 | | | 40 (60) | 160 (174) | |
| | Carbon disulfide | 20 | 19.7 | ug/Kg | 99 | | | 40 (73) | 160 (125) | |
| | Methyl tert-butyl Ether | 20 | 19.7 | ug/Kg | 99 | | | 70 (77) | 130 (129) | |
| | Methyl Acetate | 20 | 15.6 | ug/Kg | 78 | | | 70 (51) | 130 (140) | |
| | Methylene Chloride | 20 | 20.2 | ug/Kg | 101 | | | 70 (54) | 130 (158) | |
| | trans-1,2-Dichloroethene | 20 | 19.7 | ug/Kg | 99 | | | 70 (80) | 130 (123) | |
| | 1,1-Dichloroethane | 20 | 19.9 | ug/Kg | 100 | | | 70 (82) | 130 (123) | |
| | Cyclohexane | 20 | 19.8 | ug/Kg | 99 | | | 70 (76) | 130 (122) | |
| | 2-Butanone | 100 | 110 | ug/Kg | 110 | | | 40 (69) | 160 (131) | |
| | Carbon Tetrachloride | 20 | 20.4 | ug/Kg | 102 | | | 70 (76) | 130 (129) | |
| | cis-1,2-Dichloroethene | 20 | 19.6 | ug/Kg | 98 | | | 70 (82) | 130 (123) | |
| | Bromochloromethane | 20 | 20.2 | ug/Kg | 101 | | | 70 (80) | 130 (127) | |
| | Chloroform | 20 | 19.6 | ug/Kg | 98 | | | 70 (82) | 130 (125) | |
| | 1,1,1-Trichloroethane | 20 | 20.1 | ug/Kg | 101 | | | 70 (80) | 130 (126) | |
| | Methylcyclohexane | 20 | 20.0 | ug/Kg | 100 | | | 70 (77) | 130 (123) | |
| | Benzene | 20 | 20.1 | ug/Kg | 101 | | | 70 (84) | 130 (121) | |
| | 1,2-Dichloroethane | 20 | 20.3 | ug/Kg | 102 | | | 70 (81) | 130 (126) | |
| | Trichloroethene | 20 | 20.1 | ug/Kg | 101 | | | 70 (83) | 130 (122) | |
| | 1,2-Dichloropropane | 20 | 19.7 | ug/Kg | 99 | | | 70 (83) | 130 (122) | |
| | Bromodichloromethane | 20 | 20.3 | ug/Kg | 102 | | | 70 (82) | 130 (123) | |
| | 4-Methyl-2-Pentanone | 100 | 100 | ug/Kg | 100 | | | 40 (70) | 160 (135) | |
| | Toluene | 20 | 20.6 | ug/Kg | 103 | | | 70 (83) | 130 (122) | |
| | t-1,3-Dichloropropene | 20 | 19.9 | ug/Kg | 100 | | | 70 (78) | 130 (124) | |
| | cis-1,3-Dichloropropene | 20 | 20.0 | ug/Kg | 100 | | | 70 (81) | 130 (122) | |
| | 1,1,2-Trichloroethane | 20 | 19.8 | ug/Kg | 99 | | | 70 (82) | 130 (125) | |
| | 2-Hexanone | 100 | 110 | ug/Kg | 110 | | | 40 (66) | 160 (138) | |
| | Dibromochloromethane | 20 | 20.1 | ug/Kg | 101 | | | 70 (79) | 130 (125) | |
| | 1,2-Dibromoethane | 20 | 20.1 | ug/Kg | 101 | | | 70 (80) | 130 (125) | |
| | Tetrachloroethene | 20 | 20.0 | ug/Kg | 100 | | | 70 (83) | 130 (125) | |
| | Chlorobenzene | 20 | 19.9 | ug/Kg | 100 | | | 70 (84) | 130 (122) | |
| | Ethyl Benzene | 20 | 20.2 | ug/Kg | 101 | | | 70 (82) | 130 (124) | |
| | m/p-Xylenes | 40 | 41.0 | ug/Kg | 103 | | | 70 (83) | 130 (124) | |
| | o-Xylene | 20 | 19.8 | ug/Kg | 99 | | | 70 (83) | 130 (123) | |
| | Styrene | 20 | 20.1 | ug/Kg | 101 | | | 70 (82) | 130 (124) | |
| | Bromoform | 20 | 20.4 | ug/Kg | 102 | | | 70 (75) | 130 (127) | |
| | Isopropylbenzene | 20 | 19.8 | ug/Kg | 99 | | | 70 (82) | 130 (124) | |
| | 1,1,2,2-Tetrachloroethane | 20 | 19.7 | ug/Kg | 99 | | | 70 (77) | 130 (127) | |
| | 1,3-Dichlorobenzene | 20 | 19.4 | ug/Kg | 97 | | | 70 (83) | 130 (122) | |
| | 1,4-Dichlorobenzene | 20 | 19.6 | ug/Kg | 98 | | | 70 (84) | 130 (121) | |
| | 1,2-Dichlorobenzene | 20 | 19.6 | ug/Kg | 98 | | | 70 (83) | 130 (124) | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

| | | | |
|---|---|---|---|
| **SDG No.:** | **Q3586** | **Analytical Method:** | **SW8260D** |
| **Client:** | **Remington & Vernick Engineers** | **Datafile :** | VY023754.D |

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| **VY1112SBS01** | 1,2-Dibromo-3-Chloropropane | 20 | 18.3 | ug/Kg | 92 | | | 40 (66) | 160 (134) | |
| | 1,2,4-Trichlorobenzene | 20 | 18.7 | ug/Kg | 94 | | | 70 (78) | 130 (127) | |
| | 1,2,3-Trichlorobenzene | 20 | 19.0 | ug/Kg | 95 | | | 70 (70) | 130 (137) | |

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# VOLATILE METHOD BLANK SUMMARY

Client ID: VW1111SBL01

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG NO.: Q3586

Lab File ID: VW032416.D | Lab Sample ID: VW1111SBL01

Date Analyzed: 11/11/2025 | Time Analyzed: 09:34

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 |
|---|---|---|---|
| VW1111SBS01 | VW1111SBS01 | VW032417.D | 11/11/2025 |
| VW1111SBSD01 | VW1111SBSD01 | VW032418.D | 11/11/2025 |
| SED-1 | Q3586-01 | VW032427.D | 11/11/2025 |
| SED-2 | Q3586-02 | VW032428.D | 11/11/2025 |

COMMENTS:

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# VOLATILE METHOD BLANK SUMMARY

Client ID: VY1112SBL01

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG NO.: Q3586

Lab File ID: VY023753.D | Lab Sample ID: VY1112SBL01

Date Analyzed: 11/12/2025 | Time Analyzed: 10:37

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

Instrument ID: MSVOA_Y

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| VY1112SBS01 | VY1112SBS01 | VY023754.D | 11/12/2025 |
| SED-1RE | Q3586-01RE | VY023759.D | 11/12/2025 |
| SED-2RE | Q3586-02RE | VY023760.D | 11/12/2025 |
| SED-3 | Q3586-03 | VY023761.D | 11/12/2025 |

COMMENTS:

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# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG NO.: Q3586

Lab File ID: VW032405.D | BFB Injection Date: 11/10/2025

Instrument ID: MSVOA_W | BFB Injection Time: 14:20

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 | 18.7 |
| 75 | 30.0 - 60.0% of mass 95 | 49.7 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.7 |
| 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 | 5.1 ( 7.6 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 66.1 ( 98.5 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.1 ( 6.3 ) 2 |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDICC005 | VSTDICC005 | VW032406.D | 11/10/2025 | 15:11 |
| VSTDICC010 | VSTDICC010 | VW032407.D | 11/10/2025 | 15:33 |
| VSTDICC020 | VSTDICC020 | VW032408.D | 11/10/2025 | 15:55 |
| VSTDICCC050 | VSTDICCC050 | VW032409.D | 11/10/2025 | 16:17 |
| VSTDICC100 | VSTDICC100 | VW032410.D | 11/10/2025 | 16:39 |
| VSTDICC150 | VSTDICC150 | VW032411.D | 11/10/2025 | 17:00 |

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# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG NO.: Q3586

Lab File ID: VW032414.D | BFB Injection Date: 11/11/2025

Instrument ID: MSVOA_W | BFB Injection Time: 07:26

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 | 19.1 |
| 75 | 30.0 - 60.0% of mass 95 | 49.2 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.7 |
| 173 | Less than 2.0% of mass 174 | 0.0 ( 0.0 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 66 |
| 175 | 5.0 - 9.0% of mass 174 | 4.8 ( 7.2 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 65 ( 98.5 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.3 ( 6.6 ) 2 |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDCCC050 | VSTDCCC050 | VW032415.D | 11/11/2025 | 08:31 |
| VW1111SBL01 | VW1111SBL01 | VW032416.D | 11/11/2025 | 09:34 |
| VW1111SBS01 | VW1111SBS01 | VW032417.D | 11/11/2025 | 10:00 |
| VW1111SBSD01 | VW1111SBSD01 | VW032418.D | 11/11/2025 | 10:21 |
| SED-1 | Q3586-01 | VW032427.D | 11/11/2025 | 13:54 |
| SED-2 | Q3586-02 | VW032428.D | 11/11/2025 | 14:15 |

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# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG NO.: Q3586

Lab File ID: VY023660.D | BFB Injection Date: 11/04/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:11

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 | 17.3 |
| 75 | 30.0 - 60.0% of mass 95 | 49 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.7 |
| 173 | Less than 2.0% of mass 174 | 1.3 ( 1.3 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 94.8 |
| 175 | 5.0 - 9.0% of mass 174 | 7 ( 7.4 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 91.1 ( 96.1 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 6 ( 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 | VY023661.D | 11/04/2025 | 09:19 |
| VSTDICC010 | VSTDICC010 | VY023662.D | 11/04/2025 | 09:42 |
| VSTDICC020 | VSTDICC020 | VY023663.D | 11/04/2025 | 10:19 |
| VSTDICCC050 | VSTDICCC050 | VY023664.D | 11/04/2025 | 10:42 |
| VSTDICC100 | VSTDICC100 | VY023665.D | 11/04/2025 | 11:05 |
| VSTDICC150 | VSTDICC150 | VY023666.D | 11/04/2025 | 11:27 |

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# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG NO.: Q3586

Lab File ID: VY023751.D | BFB Injection Date: 11/12/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 09:23

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 | 17.3 |
| 75 | 30.0 - 60.0% of mass 95 | 49.2 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.9 |
| 173 | Less than 2.0% of mass 174 | 1.2 ( 1.2 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 93.7 |
| 175 | 5.0 - 9.0% of mass 174 | 6.9 ( 7.4 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 89.5 ( 95.4 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 5.7 ( 6.4 ) 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 |
|---|---|---|---|---|
| VSTDCCC050 | VSTDCCC050 | VY023752.D | 11/12/2025 | 10:01 |
| VY1112SBL01 | VY1112SBL01 | VY023753.D | 11/12/2025 | 10:37 |
| VY1112SBS01 | VY1112SBS01 | VY023754.D | 11/12/2025 | 11:04 |
| SED-1RE | Q3586-01RE | VY023759.D | 11/12/2025 | 13:14 |
| SED-2RE | Q3586-02RE | VY023760.D | 11/12/2025 | 13:38 |
| SED-3 | Q3586-03 | VY023761.D | 11/12/2025 | 14:01 |

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## VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3586

Lab File ID: VW032415.D Date Analyzed: 11/11/2025

Instrument ID: MSVOA_W Time Analyzed: 08:31

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 | 445777 | 7.96 | 817849 | 8.85 | 708146 | 11.63 |
| UPPER LIMIT | 891554 | 8.459 | 1635700 | 9.349 | 1416290 | 12.129 |
| LOWER LIMIT | 222889 | 7.459 | 408925 | 8.349 | 354073 | 11.129 |
| EPA SAMPLE NO. | | | | | | |
| SED-1 | 286762 | 7.97 | 660595 | 8.86 | 665967 | 11.64 |
| SED-2 | 283259 | 7.96 | 670411 | 8.86 | 673114 | 11.64 |
| VW1111SBL01 | 277247 | 7.96 | 601287 | 8.85 | 633123 | 11.63 |
| VW1111SBS01 | 436360 | 7.96 | 782865 | 8.85 | 700699 | 11.63 |
| VW1111SBSD01 | 419398 | 7.97 | 800811 | 8.85 | 702782 | 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: REMI02

Lab Code: ACE SDG NO.: Q3586

Lab File ID: VW032415.D Date Analyzed: 11/11/2025

Instrument ID: MSVOA_W Time Analyzed: 08:31

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

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 322015 | 13.556 | | | | |
| UPPER LIMIT | 644030 | 14.056 | | | | |
| LOWER LIMIT | 161008 | 13.056 | | | | |
| EPA SAMPLE NO. | | | | | | |
| SED-1 | 321294 | 13.56 | | | | |
| SED-2 | 275351 | 13.56 | | | | |
| VW1111SBL01 | 297226 | 13.56 | | | | |
| VW1111SBS01 | 322112 | 13.56 | | | | |
| VW1111SBSD01 | 321153 | 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.

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## VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3586

Lab File ID: VY023752.D Date Analyzed: 11/12/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:01

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 | 542463 | 7.71 | 778548 | 8.62 | 693308 | 11.42 |
| UPPER LIMIT | 1084930 | 8.213 | 1557100 | 9.116 | 1386620 | 11.92 |
| LOWER LIMIT | 271232 | 7.213 | 389274 | 8.116 | 346654 | 10.92 |
| EPA SAMPLE NO. | | | | | | |
| SED-1RE | 90723 * | 7.71 | 111445 * | 8.62 | 77890 * | 11.42 |
| SED-2RE | 69400 * | 7.71 | 117751 * | 8.62 | 115570 * | 11.41 |
| SED-3 | 715841 | 7.71 | 1241972 | 8.62 | 1078013 | 11.41 |
| VY1112SBL01 | 769463 | 7.71 | 1302390 | 8.62 | 1092818 | 11.42 |
| VY1112SBS01 | 546007 | 7.71 | 796865 | 8.62 | 695921 | 11.42 |

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

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

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

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## VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3586

Lab File ID: VY023752.D Date Analyzed: 11/12/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:01

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

| | IS4 AREA # | | RT # | | | | |
|---|---|---|---|---|---|---|---|
| 12 HOUR STD | 345261 | | 13.346 | | | | |
| UPPER LIMIT | 690522 | | 13.846 | | | | |
| LOWER LIMIT | 172631 | | 12.846 | | | | |
| EPA SAMPLE NO. | | | | | | | |
| SED-1RE | 23500 | * | 13.35 | | | | |
| SED-2RE | 41947 | * | 13.35 | | | | |
| SED-3 | 465632 | | 13.35 | | | | |
| VY1112SBL01 | 431668 | | 13.35 | | | | |
| VY1112SBS01 | 358224 | | 13.35 | | | | |

IS4 = 1,4-Dichlorobenzene-d4

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

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

# QC SAMPLE DATA

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | |
| Project: | Edison Landfill | Date Received: | |
| Client Sample ID: | VW1111SBL01 | SDG No.: | Q3586 |
| Lab Sample ID: | VW1111SBL01 | Matrix: | SOIL |
| Analytical Method: | 8260D | Level: LOW | % Solid: 100 |
| Sample Wt/Vol: | 5 g | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1.10 | U | 1 | 1.10 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 74-87-3 | Chloromethane | 1.10 | U | 1 | 1.10 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 75-01-4 | Vinyl Chloride | 0.79 | U | 1 | 0.79 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 74-83-9 | Bromomethane | 1.10 | U | 1 | 1.10 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 75-00-3 | Chloroethane | 1.30 | U | 1 | 1.30 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 75-69-4 | Trichlorofluoromethane | 1.20 | U | 1 | 1.20 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1.10 | U | 1 | 1.10 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 75-35-4 | 1,1-Dichloroethene | 1.00 | U | 1 | 1.00 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 67-64-1 | Acetone | 4.70 | U | 1 | 4.70 | 25.0 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 75-15-0 | Carbon Disulfide | 1.10 | U | 1 | 1.10 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 1634-04-4 | Methyl tert-butyl Ether | 0.73 | U | 1 | 0.73 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 79-20-9 | Methyl Acetate | 1.50 | U | 1 | 1.50 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 75-09-2 | Methylene Chloride | 3.50 | U | 1 | 3.50 | 10.0 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.86 | U | 1 | 0.86 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 75-34-3 | 1,1-Dichloroethane | 0.80 | U | 1 | 0.80 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 110-82-7 | Cyclohexane | 0.79 | U | 1 | 0.79 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 78-93-3 | 2-Butanone | 6.50 | U | 1 | 6.50 | 25.0 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 56-23-5 | Carbon Tetrachloride | 0.97 | U | 1 | 0.97 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 1 | 0.75 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 74-97-5 | Bromochloromethane | 1.20 | U | 1 | 1.20 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 67-66-3 | Chloroform | 0.84 | U | 1 | 0.84 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 71-55-6 | 1,1,1-Trichloroethane | 0.93 | U | 1 | 0.93 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 108-87-2 | Methylcyclohexane | 0.91 | U | 1 | 0.91 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 71-43-2 | Benzene | 0.79 | U | 1 | 0.79 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 107-06-2 | 1,2-Dichloroethane | 0.79 | U | 1 | 0.79 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 79-01-6 | Trichloroethene | 0.81 | U | 1 | 0.81 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 78-87-5 | 1,2-Dichloropropane | 0.91 | U | 1 | 0.91 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 75-27-4 | Bromodichloromethane | 0.78 | U | 1 | 0.78 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 108-10-1 | 4-Methyl-2-Pentanone | 3.60 | U | 1 | 3.60 | 25.0 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 108-88-3 | Toluene | 0.78 | U | 1 | 0.78 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 10061-02-6 | t-1,3-Dichloropropene | 0.65 | U | 1 | 0.65 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.62 | U | 1 | 0.62 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.92 | U | 1 | 0.92 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 591-78-6 | 2-Hexanone | 3.70 | U | 1 | 3.70 | 25.0 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 124-48-1 | Dibromochloromethane | 0.87 | U | 1 | 0.87 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 106-93-4 | 1,2-Dibromoethane | 0.88 | U | 1 | 0.88 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 127-18-4 | Tetrachloroethene | 1.10 | U | 1 | 1.10 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 108-90-7 | Chlorobenzene | 0.91 | U | 1 | 0.91 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 100-41-4 | Ethyl Benzene | 0.67 | U | 1 | 0.67 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 179601-23-1 | m/p-Xylenes | 1.20 | U | 1 | 1.20 | 10.0 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 95-47-6 | o-Xylene | 0.82 | U | 1 | 0.82 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 100-42-5 | Styrene | 0.71 | U | 1 | 0.71 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 75-25-2 | Bromoform | 0.86 | U | 1 | 0.86 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Remington & Vernick Engineers | | | Date Collected: | |
| Project: | Edison Landfill | | | Date Received: | |
| Client Sample ID: | VW1111SBL01 | | | SDG No.: | Q3586 |
| Lab Sample ID: | VW1111SBL01 | | | Matrix: | SOIL |
| Analytical Method: | 8260D | Level: | LOW | % Solid: | 100 |
| Sample Wt/Vol: | 5 g | Final Vol: | 5000 uL | Test: | VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 0.78 | U | 1 | 0.78 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.20 | U | 1 | 1.20 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 541-73-1 | 1,3-Dichlorobenzene | 1.70 | U | 1 | 1.70 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 106-46-7 | 1,4-Dichlorobenzene | 1.60 | U | 1 | 1.60 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 95-50-1 | 1,2-Dichlorobenzene | 1.50 | U | 1 | 1.50 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1.80 | U | 1 | 1.80 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 3.00 | U | 1 | 3.00 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 3.20 | U | 1 | 3.20 | 5.00 | ug/Kg | 11/11/25 09:34 | VW111125 |
| **SURROGATES** | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 60.2 | | | 70 (63) - 130 (155) | 120% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 55.1 | | | 70 (70) - 130 (134) | 110% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 53.1 | | | 70 (74) - 130 (123) | 106% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 57.3 | | | 70 (52) - 130 (138) | 115% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 277000 | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 601000 | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 633000 | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 297000 | | | | | | | |

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: | Remington & Vernick Engineers | Date Collected: | |
| Project: | Edison Landfill | Date Received: | |
| Client Sample ID: | VY1112SBL01 | SDG No.: | Q3586 |
| Lab Sample ID: | VY1112SBL01 | Matrix: | SOIL |
| Analytical Method: | 8260D | Level: LOW | % Solid: 100 |
| Sample Wt/Vol: | 5 g | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1.10 | U | 1 | 1.10 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 74-87-3 | Chloromethane | 1.10 | U | 1 | 1.10 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 75-01-4 | Vinyl Chloride | 0.79 | U | 1 | 0.79 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 74-83-9 | Bromomethane | 1.10 | U | 1 | 1.10 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 75-00-3 | Chloroethane | 1.30 | U | 1 | 1.30 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 75-69-4 | Trichlorofluoromethane | 1.20 | U | 1 | 1.20 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1.10 | U | 1 | 1.10 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 75-35-4 | 1,1-Dichloroethene | 1.00 | U | 1 | 1.00 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 67-64-1 | Acetone | 4.70 | U | 1 | 4.70 | 25.0 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 75-15-0 | Carbon Disulfide | 1.10 | U | 1 | 1.10 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 1634-04-4 | Methyl tert-butyl Ether | 0.73 | U | 1 | 0.73 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 79-20-9 | Methyl Acetate | 1.50 | U | 1 | 1.50 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 75-09-2 | Methylene Chloride | 3.50 | U | 1 | 3.50 | 10.0 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.86 | U | 1 | 0.86 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 75-34-3 | 1,1-Dichloroethane | 0.80 | U | 1 | 0.80 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 110-82-7 | Cyclohexane | 0.79 | U | 1 | 0.79 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 78-93-3 | 2-Butanone | 6.50 | U | 1 | 6.50 | 25.0 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 56-23-5 | Carbon Tetrachloride | 0.97 | U | 1 | 0.97 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 1 | 0.75 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 74-97-5 | Bromochloromethane | 1.20 | U | 1 | 1.20 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 67-66-3 | Chloroform | 0.84 | U | 1 | 0.84 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 71-55-6 | 1,1,1-Trichloroethane | 0.93 | U | 1 | 0.93 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 108-87-2 | Methylcyclohexane | 0.91 | U | 1 | 0.91 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 71-43-2 | Benzene | 0.79 | U | 1 | 0.79 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 107-06-2 | 1,2-Dichloroethane | 0.79 | U | 1 | 0.79 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 79-01-6 | Trichloroethene | 0.81 | U | 1 | 0.81 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 78-87-5 | 1,2-Dichloropropane | 0.91 | U | 1 | 0.91 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 75-27-4 | Bromodichloromethane | 0.78 | U | 1 | 0.78 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 108-10-1 | 4-Methyl-2-Pentanone | 3.60 | U | 1 | 3.60 | 25.0 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 108-88-3 | Toluene | 0.78 | U | 1 | 0.78 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 10061-02-6 | t-1,3-Dichloropropene | 0.65 | U | 1 | 0.65 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.62 | U | 1 | 0.62 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.92 | U | 1 | 0.92 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 591-78-6 | 2-Hexanone | 3.70 | U | 1 | 3.70 | 25.0 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 124-48-1 | Dibromochloromethane | 0.87 | U | 1 | 0.87 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 106-93-4 | 1,2-Dibromoethane | 0.88 | U | 1 | 0.88 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 127-18-4 | Tetrachloroethene | 1.10 | U | 1 | 1.10 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 108-90-7 | Chlorobenzene | 0.91 | U | 1 | 0.91 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 100-41-4 | Ethyl Benzene | 0.67 | U | 1 | 0.67 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 179601-23-1 | m/p-Xylenes | 1.20 | U | 1 | 1.20 | 10.0 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 95-47-6 | o-Xylene | 0.82 | U | 1 | 0.82 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 100-42-5 | Styrene | 0.71 | U | 1 | 0.71 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 75-25-2 | Bromoform | 0.86 | U | 1 | 0.86 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |

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Fax : 908 789 8922



# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Remington & Vernick Engineers | | | Date Collected: | |
| Project: | Edison Landfill | | | Date Received: | |
| Client Sample ID: | VY1112SBL01 | | | SDG No.: | Q3586 |
| Lab Sample ID: | VY1112SBL01 | | | Matrix: | SOIL |
| Analytical Method: | 8260D | Level: | LOW | % Solid: | 100 |
| Sample Wt/Vol: | 5 g | Final Vol: | 5000 uL | Test: | VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 0.78 | U | 1 | 0.78 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.20 | U | 1 | 1.20 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 541-73-1 | 1,3-Dichlorobenzene | 1.70 | U | 1 | 1.70 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 106-46-7 | 1,4-Dichlorobenzene | 1.60 | U | 1 | 1.60 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 95-50-1 | 1,2-Dichlorobenzene | 1.50 | U | 1 | 1.50 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1.80 | U | 1 | 1.80 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 3.00 | U | 1 | 3.00 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 3.20 | U | 1 | 3.20 | 5.00 | ug/Kg | 11/12/25 10:37 | VY111225 |
| **SURROGATES** | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 57.4 | | | 70 (63) - 130 (155) | 115% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 51.1 | | | 70 (70) - 130 (134) | 102% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 48.1 | | | 70 (74) - 130 (123) | 96% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 42.4 | | | 70 (52) - 130 (138) | 85% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 769000 | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 1300000 | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 1090000 | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 432000 | | | | | | | |

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

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

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



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | |
| Project: | Edison Landfill | Date Received: | |
| Client Sample ID: | VW1111SBS01 | SDG No.: | Q3586 |
| Lab Sample ID: | VW1111SBS01 | Matrix: | SOIL |
| Analytical Method: | 8260D | Level: LOW | % Solid: 100 |
| Sample Wt/Vol: | 5 g | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 18.7 | | 1 | 1.10 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 74-87-3 | Chloromethane | 20.7 | | 1 | 1.10 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 75-01-4 | Vinyl Chloride | 21.0 | | 1 | 0.79 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 74-83-9 | Bromomethane | 20.9 | | 1 | 1.10 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 75-00-3 | Chloroethane | 20.5 | | 1 | 1.30 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 75-69-4 | Trichlorofluoromethane | 18.3 | | 1 | 1.20 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 21.3 | | 1 | 1.10 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 75-35-4 | 1,1-Dichloroethene | 21.3 | | 1 | 1.00 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 67-64-1 | Acetone | 100 | | 1 | 4.70 | 25.0 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 75-15-0 | Carbon Disulfide | 20.3 | | 1 | 1.10 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 1634-04-4 | Methyl tert-butyl Ether | 19.5 | | 1 | 0.73 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 79-20-9 | Methyl Acetate | 17.2 | | 1 | 1.50 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 75-09-2 | Methylene Chloride | 19.2 | | 1 | 3.50 | 10.0 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 156-60-5 | trans-1,2-Dichloroethene | 20.1 | | 1 | 0.86 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 75-34-3 | 1,1-Dichloroethane | 20.6 | | 1 | 0.80 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 110-82-7 | Cyclohexane | 20.8 | | 1 | 0.79 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 78-93-3 | 2-Butanone | 90.4 | | 1 | 6.50 | 25.0 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 56-23-5 | Carbon Tetrachloride | 21.2 | | 1 | 0.97 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 156-59-2 | cis-1,2-Dichloroethene | 20.2 | | 1 | 0.75 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 74-97-5 | Bromochloromethane | 19.4 | | 1 | 1.20 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 67-66-3 | Chloroform | 20.7 | | 1 | 0.84 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 71-55-6 | 1,1,1-Trichloroethane | 20.8 | | 1 | 0.93 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 108-87-2 | Methylcyclohexane | 20.8 | | 1 | 0.91 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 71-43-2 | Benzene | 20.9 | | 1 | 0.79 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 107-06-2 | 1,2-Dichloroethane | 20.2 | | 1 | 0.79 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 79-01-6 | Trichloroethene | 20.3 | | 1 | 0.81 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 78-87-5 | 1,2-Dichloropropane | 20.6 | | 1 | 0.91 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 75-27-4 | Bromodichloromethane | 20.2 | | 1 | 0.78 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 108-10-1 | 4-Methyl-2-Pentanone | 92.1 | | 1 | 3.60 | 25.0 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 108-88-3 | Toluene | 21.2 | | 1 | 0.78 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 10061-02-6 | t-1,3-Dichloropropene | 19.5 | | 1 | 0.65 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 10061-01-5 | cis-1,3-Dichloropropene | 20.2 | | 1 | 0.62 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 79-00-5 | 1,1,2-Trichloroethane | 20.0 | | 1 | 0.92 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 591-78-6 | 2-Hexanone | 91.7 | | 1 | 3.70 | 25.0 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 124-48-1 | Dibromochloromethane | 19.2 | | 1 | 0.87 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 106-93-4 | 1,2-Dibromoethane | 19.5 | | 1 | 0.88 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 127-18-4 | Tetrachloroethene | 21.3 | | 1 | 1.10 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 108-90-7 | Chlorobenzene | 20.7 | | 1 | 0.91 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 100-41-4 | Ethyl Benzene | 20.5 | | 1 | 0.67 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 179601-23-1 | m/p-Xylenes | 41.8 | | 1 | 1.20 | 10.0 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 95-47-6 | o-Xylene | 20.0 | | 1 | 0.82 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 100-42-5 | Styrene | 20.9 | | 1 | 0.71 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 75-25-2 | Bromoform | 18.1 | | 1 | 0.86 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Remington & Vernick Engineers | | | Date Collected: | |
| Project: | Edison Landfill | | | Date Received: | |
| Client Sample ID: | VW1111SBS01 | | | SDG No.: | Q3586 |
| Lab Sample ID: | VW1111SBS01 | | | Matrix: | SOIL |
| Analytical Method: | 8260D | Level: | LOW | % Solid: | 100 |
| Sample Wt/Vol: | 5 g | Final Vol: | 5000 uL | Test: | VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 20.7 | | 1 | 0.78 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 19.3 | | 1 | 1.20 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 541-73-1 | 1,3-Dichlorobenzene | 22.1 | | 1 | 1.70 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 106-46-7 | 1,4-Dichlorobenzene | 20.8 | | 1 | 1.60 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 95-50-1 | 1,2-Dichlorobenzene | 19.9 | | 1 | 1.50 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 17.8 | | 1 | 1.80 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20.5 | | 1 | 3.00 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 19.3 | | 1 | 3.20 | 5.00 | ug/Kg | 11/11/25 10:00 | VW111125 |
| **SURROGATES** | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 48.5 | | | 70 (63) - 130 (155) | 97% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 49.5 | | | 70 (70) - 130 (134) | 99% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 51.3 | | | 70 (74) - 130 (123) | 103% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 50.5 | | | 70 (52) - 130 (138) | 101% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 436000 | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 783000 | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 701000 | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 322000 | | | | | | | |

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: | Remington & Vernick Engineers | Date Collected: | |
| Project: | Edison Landfill | Date Received: | |
| Client Sample ID: | VY1112SBS01 | SDG No.: | Q3586 |
| Lab Sample ID: | VY1112SBS01 | Matrix: | SOIL |
| Analytical Method: | 8260D | Level: LOW | % Solid: 100 |
| Sample Wt/Vol: | 5 g | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 21.2 | | 1 | 1.10 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 74-87-3 | Chloromethane | 19.0 | | 1 | 1.10 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 75-01-4 | Vinyl Chloride | 19.3 | | 1 | 0.79 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 74-83-9 | Bromomethane | 20.1 | | 1 | 1.10 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 75-00-3 | Chloroethane | 19.2 | | 1 | 1.30 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 75-69-4 | Trichlorofluoromethane | 21.0 | | 1 | 1.20 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 20.5 | | 1 | 1.10 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 75-35-4 | 1,1-Dichloroethene | 19.7 | | 1 | 1.00 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 67-64-1 | Acetone | 110 | | 1 | 4.70 | 25.0 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 75-15-0 | Carbon Disulfide | 19.7 | | 1 | 1.10 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 1634-04-4 | Methyl tert-butyl Ether | 19.7 | | 1 | 0.73 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 79-20-9 | Methyl Acetate | 15.6 | | 1 | 1.50 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 75-09-2 | Methylene Chloride | 20.2 | | 1 | 3.50 | 10.0 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 156-60-5 | trans-1,2-Dichloroethene | 19.7 | | 1 | 0.86 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 75-34-3 | 1,1-Dichloroethane | 19.9 | | 1 | 0.80 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 110-82-7 | Cyclohexane | 19.8 | | 1 | 0.79 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 78-93-3 | 2-Butanone | 110 | | 1 | 6.50 | 25.0 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 56-23-5 | Carbon Tetrachloride | 20.4 | | 1 | 0.97 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 156-59-2 | cis-1,2-Dichloroethene | 19.6 | | 1 | 0.75 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 74-97-5 | Bromochloromethane | 20.2 | | 1 | 1.20 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 67-66-3 | Chloroform | 19.6 | | 1 | 0.84 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 71-55-6 | 1,1,1-Trichloroethane | 20.1 | | 1 | 0.93 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 108-87-2 | Methylcyclohexane | 20.0 | | 1 | 0.91 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 71-43-2 | Benzene | 20.1 | | 1 | 0.79 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 107-06-2 | 1,2-Dichloroethane | 20.3 | | 1 | 0.79 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 79-01-6 | Trichloroethene | 20.1 | | 1 | 0.81 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 78-87-5 | 1,2-Dichloropropane | 19.7 | | 1 | 0.91 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 75-27-4 | Bromodichloromethane | 20.3 | | 1 | 0.78 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 108-10-1 | 4-Methyl-2-Pentanone | 100 | | 1 | 3.60 | 25.0 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 108-88-3 | Toluene | 20.6 | | 1 | 0.78 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 10061-02-6 | t-1,3-Dichloropropene | 19.9 | | 1 | 0.65 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 10061-01-5 | cis-1,3-Dichloropropene | 20.0 | | 1 | 0.62 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 79-00-5 | 1,1,2-Trichloroethane | 19.8 | | 1 | 0.92 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 591-78-6 | 2-Hexanone | 110 | | 1 | 3.70 | 25.0 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 124-48-1 | Dibromochloromethane | 20.1 | | 1 | 0.87 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 106-93-4 | 1,2-Dibromoethane | 20.1 | | 1 | 0.88 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 127-18-4 | Tetrachloroethene | 20.0 | | 1 | 1.10 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 108-90-7 | Chlorobenzene | 19.9 | | 1 | 0.91 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 100-41-4 | Ethyl Benzene | 20.2 | | 1 | 0.67 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 179601-23-1 | m/p-Xylenes | 41.0 | | 1 | 1.20 | 10.0 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 95-47-6 | o-Xylene | 19.8 | | 1 | 0.82 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 100-42-5 | Styrene | 20.1 | | 1 | 0.71 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 75-25-2 | Bromoform | 20.4 | | 1 | 0.86 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |

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# Report of Analysis

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|---|---|---|---|---|---|
| Client: | Remington & Vernick Engineers | | | Date Collected: | |
| Project: | Edison Landfill | | | Date Received: | |
| Client Sample ID: | VY1112SBS01 | | | SDG No.: | Q3586 |
| Lab Sample ID: | VY1112SBS01 | | | Matrix: | SOIL |
| Analytical Method: | 8260D | Level: | LOW | % Solid: | 100 |
| Sample Wt/Vol: | 5 g | Final Vol: | 5000 uL | Test: | VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 19.8 | | 1 | 0.78 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 19.7 | | 1 | 1.20 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 541-73-1 | 1,3-Dichlorobenzene | 19.4 | | 1 | 1.70 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 106-46-7 | 1,4-Dichlorobenzene | 19.6 | | 1 | 1.60 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 95-50-1 | 1,2-Dichlorobenzene | 19.6 | | 1 | 1.50 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 18.3 | | 1 | 1.80 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 18.7 | | 1 | 3.00 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 19.0 | | 1 | 3.20 | 5.00 | ug/Kg | 11/12/25 11:04 | VY111225 |
| **SURROGATES** | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.4 | | | 70 (63) - 130 (155) | 99% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 50.6 | | | 70 (70) - 130 (134) | 101% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 51.3 | | | 70 (74) - 130 (123) | 103% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 51.8 | | | 70 (52) - 130 (138) | 104% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 546000 | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 797000 | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 696000 | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 358000 | | | | | | | |

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

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|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | |
| Project: | Edison Landfill | Date Received: | |
| Client Sample ID: | VW1111SBSD01 | SDG No.: | Q3586 |
| Lab Sample ID: | VW1111SBSD01 | Matrix: | SOIL |
| Analytical Method: | 8260D | Level: LOW | % Solid: 100 |
| Sample Wt/Vol: | 5 g | Final Vol: 5000 uL | Test: VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 17.2 | | 1 | 1.10 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 74-87-3 | Chloromethane | 20.5 | | 1 | 1.10 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 75-01-4 | Vinyl Chloride | 20.3 | | 1 | 0.79 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 74-83-9 | Bromomethane | 21.1 | | 1 | 1.10 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 75-00-3 | Chloroethane | 20.5 | | 1 | 1.30 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 75-69-4 | Trichlorofluoromethane | 20.2 | | 1 | 1.20 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 20.1 | | 1 | 1.10 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 75-35-4 | 1,1-Dichloroethene | 20.3 | | 1 | 1.00 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 67-64-1 | Acetone | 110 | | 1 | 4.70 | 25.0 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 75-15-0 | Carbon Disulfide | 20.6 | | 1 | 1.10 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 1634-04-4 | Methyl tert-butyl Ether | 20.8 | | 1 | 0.73 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 79-20-9 | Methyl Acetate | 19.7 | | 1 | 1.50 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 75-09-2 | Methylene Chloride | 19.5 | | 1 | 3.50 | 10.0 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 156-60-5 | trans-1,2-Dichloroethene | 20.4 | | 1 | 0.86 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 75-34-3 | 1,1-Dichloroethane | 20.6 | | 1 | 0.80 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 110-82-7 | Cyclohexane | 20.0 | | 1 | 0.79 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 78-93-3 | 2-Butanone | 110 | | 1 | 6.50 | 25.0 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 56-23-5 | Carbon Tetrachloride | 19.9 | | 1 | 0.97 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 156-59-2 | cis-1,2-Dichloroethene | 20.4 | | 1 | 0.75 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 74-97-5 | Bromochloromethane | 20.5 | | 1 | 1.20 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 67-66-3 | Chloroform | 21.0 | | 1 | 0.84 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 71-55-6 | 1,1,1-Trichloroethane | 21.0 | | 1 | 0.93 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 108-87-2 | Methylcyclohexane | 19.4 | | 1 | 0.91 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 71-43-2 | Benzene | 19.7 | | 1 | 0.79 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 107-06-2 | 1,2-Dichloroethane | 19.9 | | 1 | 0.79 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 79-01-6 | Trichloroethene | 19.5 | | 1 | 0.81 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 78-87-5 | 1,2-Dichloropropane | 19.7 | | 1 | 0.91 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 75-27-4 | Bromodichloromethane | 20.0 | | 1 | 0.78 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 108-10-1 | 4-Methyl-2-Pentanone | 100 | | 1 | 3.60 | 25.0 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 108-88-3 | Toluene | 19.8 | | 1 | 0.78 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 10061-02-6 | t-1,3-Dichloropropene | 19.4 | | 1 | 0.65 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 10061-01-5 | cis-1,3-Dichloropropene | 19.5 | | 1 | 0.62 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 79-00-5 | 1,1,2-Trichloroethane | 20.1 | | 1 | 0.92 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 591-78-6 | 2-Hexanone | 100 | | 1 | 3.70 | 25.0 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 124-48-1 | Dibromochloromethane | 19.7 | | 1 | 0.87 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 106-93-4 | 1,2-Dibromoethane | 19.8 | | 1 | 0.88 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 127-18-4 | Tetrachloroethene | 20.5 | | 1 | 1.10 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 108-90-7 | Chlorobenzene | 19.7 | | 1 | 0.91 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 100-41-4 | Ethyl Benzene | 20.1 | | 1 | 0.67 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 179601-23-1 | m/p-Xylenes | 41.0 | | 1 | 1.20 | 10.0 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 95-47-6 | o-Xylene | 20.0 | | 1 | 0.82 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 100-42-5 | Styrene | 19.7 | | 1 | 0.71 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 75-25-2 | Bromoform | 19.5 | | 1 | 0.86 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |

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



# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Remington & Vernick Engineers | | | Date Collected: | |
| Project: | Edison Landfill | | | Date Received: | |
| Client Sample ID: | VW1111SBSD01 | | | SDG No.: | Q3586 |
| Lab Sample ID: | VW1111SBSD01 | | | Matrix: | SOIL |
| Analytical Method: | 8260D | Level: | LOW | % Solid: | 100 |
| Sample Wt/Vol: | 5 g | Final Vol: | 5000 uL | Test: | VOC-TCLVOA-10 |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | 20.4 | | 1 | 0.78 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20.6 | | 1 | 1.20 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 541-73-1 | 1,3-Dichlorobenzene | 20.8 | | 1 | 1.70 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 106-46-7 | 1,4-Dichlorobenzene | 20.6 | | 1 | 1.60 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 95-50-1 | 1,2-Dichlorobenzene | 20.9 | | 1 | 1.50 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 20.4 | | 1 | 1.80 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20.0 | | 1 | 3.00 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 20.3 | | 1 | 3.20 | 5.00 | ug/Kg | 11/11/25 10:21 | VW111125 |
| **SURROGATES** | | | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 50.6 | | | 70 (63) - 130 (155) | 101% | SPK: 50 | | |
| 1868-53-7 | Dibromofluoromethane | 47.1 | | | 70 (70) - 130 (134) | 94% | SPK: 50 | | |
| 2037-26-5 | Toluene-d8 | 48.0 | | | 70 (74) - 130 (123) | 96% | SPK: 50 | | |
| 460-00-4 | 4-Bromofluorobenzene | 46.6 | | | 70 (52) - 130 (138) | 93% | SPK: 50 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 419000 | | | | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 801000 | | | | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 703000 | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 321000 | | | | | | | |

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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# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG No.: Q3586

Instrument ID: MSVOA_W | Calibration Date(s): 11/10/2025 11/10/2025

Heated Purge: (Y/N) Y | Calibration Time(s): 15:11 17:00

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

LAB FILE ID: RRF005 = VW032406.D RRF010 = VW032407.D RRF020 = VW032408.D
RRF050 = VW032409.D RRF100 = VW032410.D RRF150 = VW032411.D

| COMPOUND | RRF005 | RRF010 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.288 | 0.282 | 0.231 | 0.248 | 0.243 | 0.230 | 0.254 | 10 |
| Chloromethane | 0.476 | 0.439 | 0.408 | 0.408 | 0.438 | 0.440 | 0.435 | 5.8 |
| Vinyl Chloride | 0.591 | 0.567 | 0.525 | 0.538 | 0.543 | 0.528 | 0.549 | 4.6 |
| Bromomethane | 0.402 | 0.371 | 0.350 | 0.358 | 0.364 | 0.358 | 0.367 | 5.1 |
| Chloroethane | 0.382 | 0.361 | 0.340 | 0.355 | 0.362 | 0.354 | 0.359 | 3.9 |
| Trichlorofluoromethane | 0.420 | 0.416 | 0.392 | 0.459 | 0.442 | 0.452 | 0.430 | 5.9 |
| 1,1,2-Trichlorotrifluoroethane | 0.506 | 0.495 | 0.438 | 0.467 | 0.458 | 0.449 | 0.469 | 5.6 |
| 1,1-Dichloroethene | 0.576 | 0.541 | 0.506 | 0.540 | 0.539 | 0.523 | 0.537 | 4.3 |
| Acetone | 0.216 | 0.194 | 0.183 | 0.186 | 0.190 | 0.188 | 0.193 | 6.3 |
| Carbon Disulfide | 1.604 | 1.574 | 1.497 | 1.608 | 1.644 | 1.603 | 1.588 | 3.1 |
| Methyl tert-butyl Ether | 1.186 | 1.163 | 1.107 | 1.139 | 1.126 | 1.076 | 1.133 | 3.5 |
| Methyl Acetate | 0.486 | 0.494 | 0.459 | 0.463 | 0.476 | 0.487 | 0.478 | 2.9 |
| Methylene Chloride | 0.789 | 0.741 | 0.682 | 0.640 | 0.658 | 0.629 | 0.690 | 9.1 |
| trans-1,2-Dichloroethene | 0.646 | 0.619 | 0.596 | 0.603 | 0.624 | 0.598 | 0.615 | 3.1 |
| 1,1-Dichloroethane | 1.217 | 1.156 | 1.091 | 1.148 | 1.168 | 1.138 | 1.153 | 3.5 |
| Cyclohexane | 1.236 | 1.141 | 1.016 | 1.027 | 1.003 | 0.976 | 1.066 | 9.5 |
| 2-Butanone | 0.292 | 0.288 | 0.282 | 0.280 | 0.284 | 0.278 | 0.284 | 1.9 |
| Carbon Tetrachloride | 0.392 | 0.398 | 0.386 | 0.399 | 0.386 | 0.391 | 0.392 | 1.4 |
| cis-1,2-Dichloroethene | 0.764 | 0.727 | 0.713 | 0.729 | 0.748 | 0.723 | 0.734 | 2.5 |
| Bromochloromethane | 0.606 | 0.563 | 0.533 | 0.502 | 0.538 | 0.527 | 0.545 | 6.6 |
| Chloroform | 1.164 | 1.165 | 1.089 | 1.109 | 1.141 | 1.103 | 1.129 | 2.9 |
| 1,1,1-Trichloroethane | 0.831 | 0.820 | 0.776 | 0.817 | 0.817 | 0.777 | 0.806 | 2.9 |
| Methylcyclohexane | 0.560 | 0.575 | 0.562 | 0.598 | 0.562 | 0.572 | 0.571 | 2.5 |
| Benzene | 1.410 | 1.473 | 1.410 | 1.437 | 1.413 | 1.380 | 1.420 | 2.2 |
| 1,2-Dichloroethane | 0.425 | 0.423 | 0.416 | 0.421 | 0.409 | 0.409 | 0.417 | 1.7 |
| Trichloroethene | 0.336 | 0.340 | 0.327 | 0.335 | 0.323 | 0.323 | 0.331 | 2.2 |
| 1,2-Dichloropropane | 0.356 | 0.360 | 0.354 | 0.356 | 0.350 | 0.346 | 0.354 | 1.4 |
| Bromodichloromethane | 0.460 | 0.469 | 0.456 | 0.482 | 0.481 | 0.482 | 0.471 | 2.5 |
| 4-Methyl-2-Pentanone | 0.304 | 0.329 | 0.330 | 0.336 | 0.317 | 0.311 | 0.321 | 3.9 |
| Toluene | 0.875 | 0.896 | 0.870 | 0.894 | 0.870 | 0.859 | 0.877 | 1.7 |

* 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: REMI02

Lab Code: ACE | SDG No.: Q3586

Instrument ID: MSVOA_W | Calibration Date(s): 11/10/2025 11/10/2025

Heated Purge: (Y/N) Y | Calibration Time(s): 15:11 17:00

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

LAB FILE ID: RRF005 = VW032406.D RRF010 = VW032407.D RRF020 = VW032408.D
RRF050 = VW032409.D RRF100 = VW032410.D RRF150 = VW032411.D

| COMPOUND | RRF005 | RRF010 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| t-1,3-Dichloropropene | 0.445 | 0.481 | 0.469 | 0.504 | 0.508 | 0.507 | 0.486 | 5.2 |
| cis-1,3-Dichloropropene | 0.531 | 0.553 | 0.556 | 0.579 | 0.576 | 0.574 | 0.562 | 3.2 |
| 1,1,2-Trichloroethane | 0.288 | 0.283 | 0.282 | 0.293 | 0.278 | 0.277 | 0.284 | 2.1 |
| 2-Hexanone | 0.223 | 0.245 | 0.241 | 0.244 | 0.231 | 0.226 | 0.235 | 4 |
| Dibromochloromethane | 0.306 | 0.317 | 0.314 | 0.320 | 0.320 | 0.322 | 0.317 | 1.9 |
| 1,2-Dibromoethane | 0.261 | 0.292 | 0.279 | 0.281 | 0.272 | 0.272 | 0.276 | 3.8 |
| Tetrachloroethene | 0.298 | 0.304 | 0.285 | 0.300 | 0.303 | 0.287 | 0.296 | 2.8 |
| Chlorobenzene | 1.087 | 1.088 | 1.042 | 1.133 | 1.093 | 1.023 | 1.078 | 3.7 |
| Ethyl Benzene | 1.875 | 1.853 | 1.822 | 1.944 | 1.915 | 1.779 | 1.865 | 3.2 |
| m/p-Xylenes | 0.692 | 0.713 | 0.679 | 0.732 | 0.708 | 0.677 | 0.700 | 3 |
| o-Xylene | 0.668 | 0.659 | 0.662 | 0.682 | 0.699 | 0.653 | 0.670 | 2.5 |
| Styrene | 1.104 | 1.146 | 1.132 | 1.208 | 1.212 | 1.118 | 1.153 | 4 |
| Bromoform | 0.187 | 0.201 | 0.193 | 0.203 | 0.205 | 0.196 | 0.198 | 3.5 |
| Isopropylbenzene | 3.523 | 3.562 | 3.511 | 3.968 | 3.781 | 3.689 | 3.672 | 4.9 |
| 1,1,2,2-Tetrachloroethane | 0.886 | 0.869 | 0.845 | 0.927 | 0.871 | 0.831 | 0.871 | 3.8 |
| 1,3-Dichlorobenzene | 1.665 | 1.630 | 1.620 | 1.721 | 1.659 | 1.596 | 1.648 | 2.7 |
| 1,4-Dichlorobenzene | 1.776 | 1.680 | 1.644 | 1.774 | 1.658 | 1.602 | 1.689 | 4.2 |
| 1,2-Dichlorobenzene | 1.547 | 1.528 | 1.464 | 1.545 | 1.509 | 1.488 | 1.513 | 2.2 |
| 1,2-Dibromo-3-Chloropropane | 0.145 | 0.146 | 0.145 | 0.159 | 0.152 | 0.154 | 0.150 | 3.8 |
| 1,2,4-Trichlorobenzene | 0.943 | 0.917 | 0.923 | 1.032 | 0.972 | 0.992 | 0.963 | 4.6 |
| 1,2,3-Trichlorobenzene | 0.892 | 0.831 | 0.836 | 0.901 | 0.880 | 0.906 | 0.874 | 3.8 |
| 1,2-Dichloroethane-d4 | 0.691 | 0.654 | 0.647 | 0.605 | 0.640 | 0.630 | 0.645 | 4.4 |
| Dibromofluoromethane | 0.314 | 0.302 | 0.305 | 0.287 | 0.297 | 0.291 | 0.299 | 3.3 |
| Toluene-d8 | 1.171 | 1.176 | 1.152 | 1.130 | 1.136 | 1.125 | 1.148 | 1.9 |
| 4-Bromofluorobenzene | 0.444 | 0.444 | 0.454 | 0.415 | 0.426 | 0.421 | 0.434 | 3.6 |

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

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# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG No.: Q3586

Instrument ID: MSVOA_Y | Calibration Date(s): 11/04/2025 11/04/2025

Heated Purge: (Y/N) Y | Calibration Time(s): 09:19 11:27

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

LAB FILE ID: RRF005 = VY023661.D RRF010 = VY023662.D RRF020 = VY023663.D
RRF050 = VY023664.D RRF100 = VY023665.D RRF150 = VY023666.D

| COMPOUND | RRF005 | RRF010 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.391 | 0.380 | 0.373 | 0.275 | 0.284 | 0.266 | 0.328 | 17.9 |
| Chloromethane | 0.537 | 0.510 | 0.489 | 0.413 | 0.424 | 0.382 | 0.459 | 13.4 |
| Vinyl Chloride | 0.680 | 0.662 | 0.633 | 0.547 | 0.556 | 0.508 | 0.598 | 11.7 |
| Bromomethane | 0.587 | 0.555 | 0.530 | 0.443 | 0.464 | 0.437 | 0.503 | 12.5 |
| Chloroethane | 0.458 | 0.455 | 0.432 | 0.386 | 0.393 | 0.354 | 0.413 | 10.1 |
| Trichlorofluoromethane | 0.937 | 0.908 | 0.887 | 0.780 | 0.782 | 0.756 | 0.842 | 9.2 |
| 1,1,2-Trichlorotrifluoroethane | 0.519 | 0.506 | 0.471 | 0.433 | 0.439 | 0.414 | 0.464 | 9.1 |
| 1,1-Dichloroethene | 0.476 | 0.462 | 0.462 | 0.421 | 0.441 | 0.419 | 0.447 | 5.2 |
| Acetone | 0.115 | 0.106 | 0.115 | 0.094 | 0.105 | 0.102 | 0.106 | 7.4 |
| Carbon Disulfide | 1.479 | 1.468 | 1.424 | 1.288 | 1.330 | 1.237 | 1.371 | 7.3 |
| Methyl tert-butyl Ether | 0.980 | 0.945 | 1.059 | 1.008 | 1.132 | 1.091 | 1.036 | 6.8 |
| Methyl Acetate | 0.221 | 0.206 | 0.292 | 0.210 | 0.256 | 0.218 | 0.234 | 14.4 |
| Methylene Chloride | 0.652 | 0.532 | 0.515 | 0.460 | 0.476 | 0.436 | 0.512 | 15.1 |
| trans-1,2-Dichloroethene | 0.512 | 0.515 | 0.519 | 0.487 | 0.510 | 0.479 | 0.504 | 3.3 |
| 1,1-Dichloroethane | 0.855 | 0.818 | 0.822 | 0.775 | 0.813 | 0.760 | 0.807 | 4.3 |
| Cyclohexane | 0.789 | 0.719 | 0.692 | 0.662 | 0.695 | 0.660 | 0.703 | 6.8 |
| 2-Butanone | 0.128 | 0.113 | 0.130 | 0.111 | 0.127 | 0.127 | 0.123 | 6.8 |
| Carbon Tetrachloride | 0.516 | 0.491 | 0.501 | 0.477 | 0.494 | 0.473 | 0.492 | 3.2 |
| cis-1,2-Dichloroethene | 0.571 | 0.582 | 0.574 | 0.560 | 0.599 | 0.564 | 0.575 | 2.4 |
| Bromochloromethane | 0.317 | 0.329 | 0.329 | 0.290 | 0.311 | 0.279 | 0.309 | 6.7 |
| Chloroform | 0.957 | 0.934 | 0.919 | 0.863 | 0.898 | 0.833 | 0.901 | 5.1 |
| 1,1,1-Trichloroethane | 0.852 | 0.833 | 0.820 | 0.769 | 0.803 | 0.753 | 0.805 | 4.7 |
| Methylcyclohexane | 0.499 | 0.495 | 0.536 | 0.539 | 0.569 | 0.563 | 0.534 | 5.8 |
| Benzene | 1.323 | 1.322 | 1.355 | 1.287 | 1.345 | 1.265 | 1.316 | 2.6 |
| 1,2-Dichloroethane | 0.343 | 0.331 | 0.344 | 0.321 | 0.339 | 0.320 | 0.333 | 3.3 |
| Trichloroethene | 0.398 | 0.383 | 0.387 | 0.366 | 0.377 | 0.358 | 0.378 | 3.8 |
| 1,2-Dichloropropane | 0.294 | 0.285 | 0.300 | 0.284 | 0.297 | 0.283 | 0.290 | 2.6 |
| Bromodichloromethane | 0.456 | 0.442 | 0.471 | 0.444 | 0.469 | 0.441 | 0.454 | 3 |
| 4-Methyl-2-Pentanone | 0.143 | 0.136 | 0.170 | 0.158 | 0.181 | 0.180 | 0.162 | 11.8 |
| Toluene | 0.761 | 0.813 | 0.874 | 0.854 | 0.898 | 0.842 | 0.840 | 5.7 |

* 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: REMI02

Lab Code: ACE | SDG No.: Q3586

Instrument ID: MSVOA_Y | Calibration Date(s): 11/04/2025 11/04/2025

Heated Purge: (Y/N) Y | Calibration Time(s): 09:19 11:27

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

LAB FILE ID: RRF005 = VY023661.D RRF010 = VY023662.D RRF020 = VY023663.D
RRF050 = VY023664.D RRF100 = VY023665.D RRF150 = VY023666.D

| COMPOUND | RRF005 | RRF010 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| t-1,3-Dichloropropene | 0.346 | 0.349 | 0.389 | 0.387 | 0.426 | 0.407 | 0.384 | 8.2 |
| cis-1,3-Dichloropropene | 0.419 | 0.434 | 0.475 | 0.463 | 0.495 | 0.474 | 0.460 | 6.1 |
| 1,1,2-Trichloroethane | 0.244 | 0.230 | 0.250 | 0.234 | 0.249 | 0.236 | 0.241 | 3.5 |
| 2-Hexanone | 0.101 | 0.099 | 0.127 | 0.115 | 0.132 | 0.133 | 0.118 | 12.9 |
| Dibromochloromethane | 0.325 | 0.314 | 0.342 | 0.326 | 0.347 | 0.329 | 0.330 | 3.7 |
| 1,2-Dibromoethane | 0.221 | 0.208 | 0.240 | 0.222 | 0.238 | 0.226 | 0.226 | 5.3 |
| Tetrachloroethene | 0.554 | 0.549 | 0.545 | 0.512 | 0.500 | 0.462 | 0.520 | 6.9 |
| Chlorobenzene | 1.096 | 1.095 | 1.109 | 1.067 | 1.107 | 1.057 | 1.089 | 2 |
| Ethyl Benzene | 1.589 | 1.661 | 1.787 | 1.807 | 1.908 | 1.819 | 1.762 | 6.6 |
| m/p-Xylenes | 0.618 | 0.671 | 0.722 | 0.727 | 0.757 | 0.727 | 0.704 | 7.1 |
| o-Xylene | 0.562 | 0.600 | 0.659 | 0.674 | 0.717 | 0.691 | 0.651 | 9 |
| Styrene | 0.903 | 0.979 | 1.110 | 1.121 | 1.184 | 1.145 | 1.074 | 10.1 |
| Bromoform | 0.222 | 0.209 | 0.230 | 0.219 | 0.238 | 0.231 | 0.225 | 4.5 |
| Isopropylbenzene | 2.940 | 3.203 | 3.298 | 3.461 | 3.641 | 3.521 | 3.344 | 7.6 |
| 1,1,2,2-Tetrachloroethane | 0.553 | 0.494 | 0.522 | 0.503 | 0.569 | 0.564 | 0.534 | 6 |
| 1,3-Dichlorobenzene | 1.680 | 1.703 | 1.714 | 1.694 | 1.744 | 1.709 | 1.707 | 1.3 |
| 1,4-Dichlorobenzene | 1.752 | 1.685 | 1.666 | 1.652 | 1.679 | 1.630 | 1.677 | 2.5 |
| 1,2-Dichlorobenzene | 1.468 | 1.467 | 1.488 | 1.454 | 1.494 | 1.457 | 1.471 | 1.1 |
| 1,2-Dibromo-3-Chloropropane | 0.085 | 0.076 | 0.083 | 0.076 | 0.086 | 0.086 | 0.082 | 5.7 |
| 1,2,4-Trichlorobenzene | 0.738 | 0.747 | 0.835 | 0.853 | 0.933 | 0.944 | 0.842 | 10.5 |
| 1,2,3-Trichlorobenzene | 0.619 | 0.611 | 0.698 | 0.717 | 0.782 | 0.791 | 0.703 | 10.9 |
| 1,2-Dichloroethane-d4 | 0.468 | 0.425 | 0.426 | 0.407 | 0.425 | 0.407 | 0.427 | 5.3 |
| Dibromofluoromethane | 0.312 | 0.316 | 0.312 | 0.310 | 0.318 | 0.308 | 0.312 | 1.2 |
| Toluene-d8 | 1.109 | 1.148 | 1.155 | 1.189 | 1.224 | 1.159 | 1.164 | 3.3 |
| 4-Bromofluorobenzene | 0.354 | 0.354 | 0.379 | 0.388 | 0.400 | 0.385 | 0.376 | 5 |

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

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



## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG No.: Q3586

Instrument ID: MSVOA_W | Calibration Date/Time: 11/11/2025 08:31

Lab File ID: VW032415.D | Init. Calib. Date(s): 11/10/2025 11/10/2025

Heated Purge: (Y/N) Y | Init. Calib. Time(s): 15:11 17:00

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.254 | 0.230 | | -9.45 | 20 |
| Chloromethane | 0.435 | 0.408 | 0.1 | -6.21 | 20 |
| Vinyl Chloride | 0.549 | 0.558 | | 1.64 | 20 |
| Bromomethane | 0.367 | 0.372 | | 1.36 | 20 |
| Chloroethane | 0.359 | 0.355 | | -1.11 | 20 |
| Trichlorofluoromethane | 0.430 | 0.384 | | -10.7 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.469 | 0.477 | | 1.71 | 20 |
| 1,1-Dichloroethene | 0.537 | 0.550 | | 2.42 | 20 |
| Acetone | 0.193 | 0.206 | | 6.74 | 20 |
| Carbon Disulfide | 1.588 | 1.648 | | 3.78 | 20 |
| Methyl tert-butyl Ether | 1.133 | 1.115 | | -1.59 | 20 |
| Methyl Acetate | 0.478 | 0.417 | | -12.76 | 20 |
| Methylene Chloride | 0.690 | 0.644 | | -6.67 | 20 |
| trans-1,2-Dichloroethene | 0.615 | 0.612 | | -0.49 | 20 |
| 1,1-Dichloroethane | 1.153 | 1.157 | 0.1 | 0.35 | 20 |
| Cyclohexane | 1.066 | 1.033 | | -3.1 | 20 |
| 2-Butanone | 0.284 | 0.267 | | -5.99 | 20 |
| Carbon Tetrachloride | 0.392 | 0.390 | | -0.51 | 20 |
| cis-1,2-Dichloroethene | 0.734 | 0.737 | | 0.41 | 20 |
| Bromochloromethane | 0.545 | 0.521 | | -4.4 | 20 |
| Chloroform | 1.129 | 1.128 | | -0.09 | 20 |
| 1,1,1-Trichloroethane | 0.806 | 0.818 | | 1.49 | 20 |
| Methylcyclohexane | 0.571 | 0.573 | | 0.35 | 20 |
| Benzene | 1.420 | 1.398 | | -1.55 | 20 |
| 1,2-Dichloroethane | 0.417 | 0.397 | | -4.8 | 20 |
| Trichloroethene | 0.331 | 0.317 | | -4.23 | 20 |
| 1,2-Dichloropropane | 0.354 | 0.348 | | -1.7 | 20 |
| Bromodichloromethane | 0.471 | 0.467 | | -0.85 | 20 |
| 4-Methyl-2-Pentanone | 0.321 | 0.295 | | -8.1 | 20 |
| Toluene | 0.877 | 0.857 | | -2.28 | 20 |
| t-1,3-Dichloropropene | 0.486 | 0.482 | | -0.82 | 20 |
| cis-1,3-Dichloropropene | 0.562 | 0.559 | | -0.53 | 20 |
| 1,1,2-Trichloroethane | 0.284 | 0.267 | | -5.99 | 20 |
| 2-Hexanone | 0.235 | 0.217 | | -7.66 | 20 |
| Dibromochloromethane | 0.317 | 0.315 | | -0.63 | 20 |
| 1,2-Dibromoethane | 0.276 | 0.262 | | -5.07 | 20 |
| Tetrachloroethene | 0.296 | 0.304 | | 2.7 | 20 |
| Chlorobenzene | 1.078 | 1.089 | 0.3 | 1.02 | 20 |

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

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Fax : 908 789 8922



## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG No.: Q3586

Instrument ID: MSVOA_W | Calibration Date/Time: 11/11/2025 08:31

Lab File ID: VW032415.D | Init. Calib. Date(s): 11/10/2025 11/10/2025

Heated Purge: (Y/N) Y | Init. Calib. Time(s): 15:11 17:00

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.865 | 1.926 | | 3.27 | 20 |
| m/p-Xylenes | 0.700 | 0.720 | | 2.86 | 20 |
| o-Xylene | 0.670 | 0.690 | | 2.98 | 20 |
| Styrene | 1.153 | 1.208 | | 4.77 | 20 |
| Bromoform | 0.198 | 0.193 | 0.1 | -2.53 | 20 |
| Isopropylbenzene | 3.672 | 3.829 | | 4.28 | 20 |
| 1,1,2,2-Tetrachloroethane | 0.871 | 0.837 | 0.3 | -3.9 | 20 |
| 1,3-Dichlorobenzene | 1.648 | 1.714 | | 4.01 | 20 |
| 1,4-Dichlorobenzene | 1.689 | 1.688 | | -0.06 | 20 |
| 1,2-Dichlorobenzene | 1.513 | 1.494 | | -1.26 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.150 | 0.139 | | -7.33 | 20 |
| 1,2,4-Trichlorobenzene | 0.963 | 0.953 | | -1.04 | 20 |
| 1,2,3-Trichlorobenzene | 0.874 | 0.833 | | -4.69 | 20 |
| 1,2-Dichloroethane-d4 | 0.645 | 0.618 | | -4.19 | 20 |
| Dibromofluoromethane | 0.299 | 0.293 | | -2.01 | 20 |
| Toluene-d8 | 1.148 | 1.160 | | 1.04 | 20 |
| 4-Bromofluorobenzene | 0.434 | 0.421 | | -2.99 | 20 |

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

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Fax : 908 789 8922



## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: REMI02
Lab Code: ACE
SDG No.: Q3586
Instrument ID: MSVOA_Y
Calibration Date/Time: 11/12/2025 10:01
Lab File ID: VY023752.D
Init. Calib. Date(s): 11/04/2025 11/04/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:19 11:27
GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.328 | 0.287 | | -12.5 | 20 |
| Chloromethane | 0.459 | 0.395 | 0.1 | -13.94 | 20 |
| Vinyl Chloride | 0.598 | 0.535 | | -10.53 | 20 |
| Bromomethane | 0.503 | 0.446 | | -11.33 | 20 |
| Chloroethane | 0.413 | 0.388 | | -6.05 | 20 |
| Trichlorofluoromethane | 0.842 | 0.835 | | -0.83 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.464 | 0.460 | | -0.86 | 20 |
| 1,1-Dichloroethene | 0.447 | 0.446 | | -0.22 | 20 |
| Acetone | 0.106 | 0.126 | | 18.87 | 20 |
| Carbon Disulfide | 1.371 | 1.308 | | -4.59 | 20 |
| Methyl tert-butyl Ether | 1.036 | 1.124 | | 8.49 | 20 |
| Methyl Acetate | 0.234 | 0.221 | | -5.56 | 20 |
| Methylene Chloride | 0.512 | 0.493 | | -3.71 | 20 |
| trans-1,2-Dichloroethene | 0.504 | 0.503 | | -0.2 | 20 |
| 1,1-Dichloroethane | 0.807 | 0.804 | 0.1 | -0.37 | 20 |
| Cyclohexane | 0.703 | 0.689 | | -1.99 | 20 |
| 2-Butanone | 0.123 | 0.140 | | 13.82 | 20 |
| Carbon Tetrachloride | 0.492 | 0.519 | | 5.49 | 20 |
| cis-1,2-Dichloroethene | 0.575 | 0.587 | | 2.09 | 20 |
| Bromochloromethane | 0.309 | 0.311 | | 0.65 | 20 |
| Chloroform | 0.901 | 0.898 | | -0.33 | 20 |
| 1,1,1-Trichloroethane | 0.805 | 0.810 | | 0.62 | 20 |
| Methylcyclohexane | 0.534 | 0.575 | | 7.68 | 20 |
| Benzene | 1.316 | 1.358 | | 3.19 | 20 |
| 1,2-Dichloroethane | 0.333 | 0.350 | | 5.11 | 20 |
| Trichloroethene | 0.378 | 0.389 | | 2.91 | 20 |
| 1,2-Dichloropropane | 0.290 | 0.301 | | 3.79 | 20 |
| Bromodichloromethane | 0.454 | 0.480 | | 5.73 | 20 |
| 4-Methyl-2-Pentanone | 0.162 | 0.190 | | 17.28 | 20 |
| Toluene | 0.840 | 0.900 | | 7.14 | 20 |
| t-1,3-Dichloropropene | 0.384 | 0.422 | | 9.9 | 20 |
| cis-1,3-Dichloropropene | 0.460 | 0.494 | | 7.39 | 20 |
| 1,1,2-Trichloroethane | 0.241 | 0.260 | | 7.88 | 20 |
| 2-Hexanone | 0.118 | 0.143 | | 21.19 | 20 |
| Dibromochloromethane | 0.330 | 0.361 | | 9.39 | 20 |
| 1,2-Dibromoethane | 0.226 | 0.247 | | 9.29 | 20 |
| Tetrachloroethene | 0.520 | 0.541 | | 4.04 | 20 |
| Chlorobenzene | 1.089 | 1.147 | 0.3 | 5.33 | 20 |

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

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Fax : 908 789 8922



## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG No.: Q3586

Instrument ID: MSVOA_Y | Calibration Date/Time: 11/12/2025 10:01

Lab File ID: VY023752.D | Init. Calib. Date(s): 11/04/2025 11/04/2025

Heated Purge: (Y/N) Y | Init. Calib. Time(s): 09:19 11:27

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.762 | 1.933 | | 9.7 | 20 |
| m/p-Xylenes | 0.704 | 0.769 | | 9.23 | 20 |
| o-Xylene | 0.651 | 0.718 | | 10.29 | 20 |
| Styrene | 1.074 | 1.200 | | 11.73 | 20 |
| Bromoform | 0.225 | 0.259 | 0.1 | 15.11 | 20 |
| Isopropylbenzene | 3.344 | 3.789 | | 13.31 | 20 |
| 1,1,2,2-Tetrachloroethane | 0.534 | 0.601 | 0.3 | 12.55 | 20 |
| 1,3-Dichlorobenzene | 1.707 | 1.800 | | 5.45 | 20 |
| 1,4-Dichlorobenzene | 1.677 | 1.757 | | 4.77 | 20 |
| 1,2-Dichlorobenzene | 1.471 | 1.588 | | 7.95 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.082 | 0.093 | | 13.41 | 20 |
| 1,2,4-Trichlorobenzene | 0.842 | 0.930 | | 10.45 | 20 |
| 1,2,3-Trichlorobenzene | 0.703 | 0.793 | | 12.8 | 20 |
| 1,2-Dichloroethane-d4 | 0.427 | 0.419 | | -1.87 | 20 |
| Dibromofluoromethane | 0.312 | 0.321 | | 2.88 | 20 |
| Toluene-d8 | 1.164 | 1.193 | | 2.49 | 20 |
| 4-Bromofluorobenzene | 0.376 | 0.417 | | 10.9 | 20 |

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

# SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032427.D
Acq On : 11 Nov 2025 13:54
Operator : SY/MD
Sample : Q3586-01
Misc : 8.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 12 03:49:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-1

**Manual Integrations APPROVED**

Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.965 | 168 | 286762 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.855 | 114 | 660595 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.635 | 117 | 665967 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 321294 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.319 | 65 | 255006 | 68.976 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 63 - 155 | | Recovery = 137.960% | | | |
| 35) Dibromofluoromethane | 7.904 | 113 | 227087 | 57.416 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 70 - 134 | | Recovery = 114.840% | | | |
| 50) Toluene-d8 | 10.331 | 98 | 883087 | 58.200 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 123 | | Recovery = 116.400% | | | |
| 62) 4-Bromofluorobenzene | 12.617 | 95 | 564943 | 98.562 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 17 - 146 | | Recovery = 197.120%# | | | |
| Target Compounds | | | | | | Qvalue |
| 8) Diethyl Ether | 3.728 | 74 | 24930 | 12.357 | ug/l | 99 |
| 11) Tert butyl alcohol | 5.210 | 59 | 9738m | 30.461 | ug/l | |
| 16) Acetone | 4.167 | 43 | 33721 | 30.487 | ug/l | 99 |
| 17) Carbon Disulfide | 4.423 | 76 | 67290 | 7.386 | ug/l | 99 |
| 20) Methylene Chloride | 4.960 | 84 | 49923 | 12.621 | ug/l | 97 |
| 22) Diisopropyl ether | 6.344 | 45 | 195313 | 16.184 | ug/l | 90 |
| 29) Tetrahydrofuran | 7.563 | 42 | 7498 | 7.250 | ug/l | 91 |

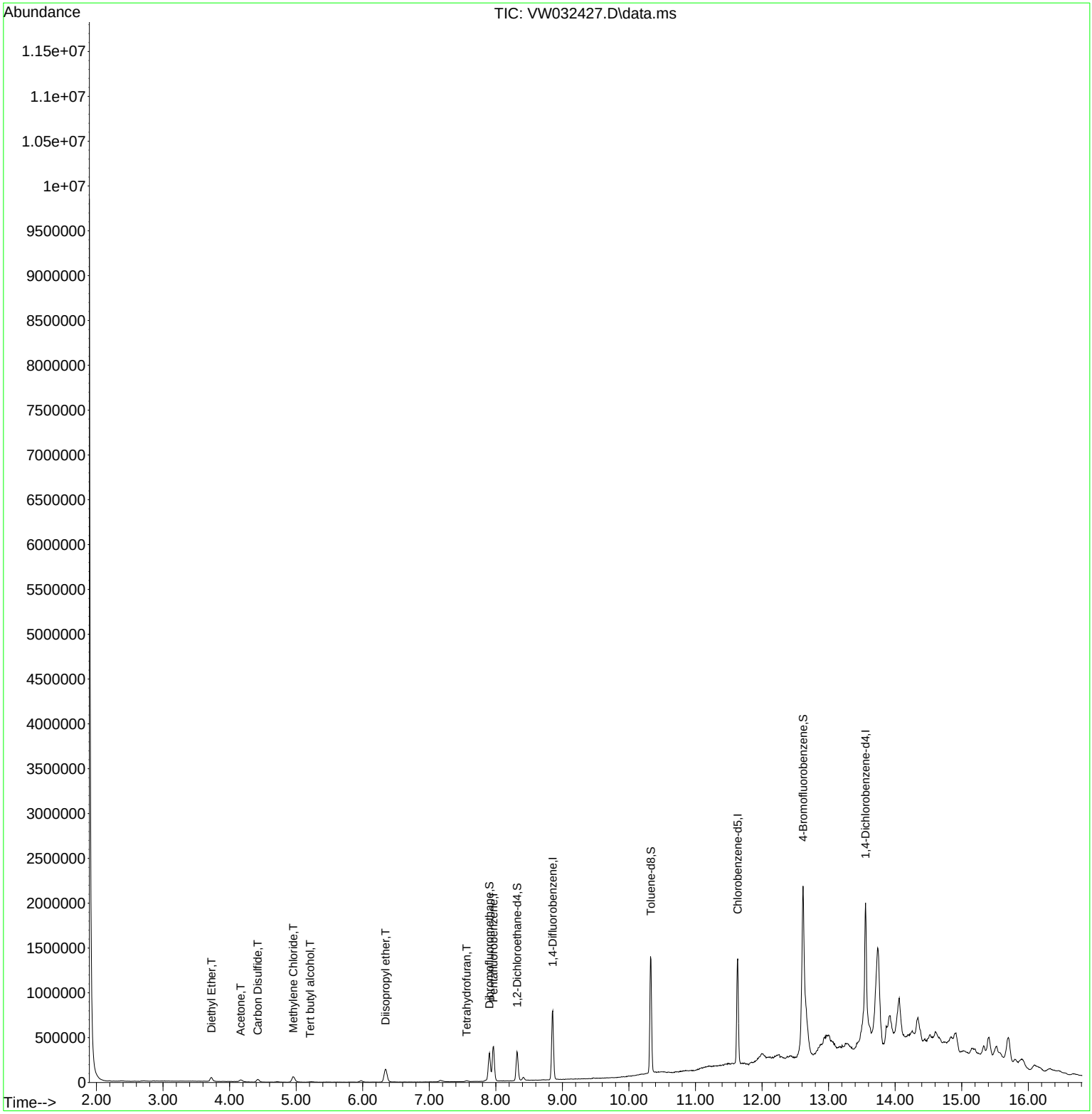
(#) = qualifier out of range (m) = manual integration (+) = signals summed

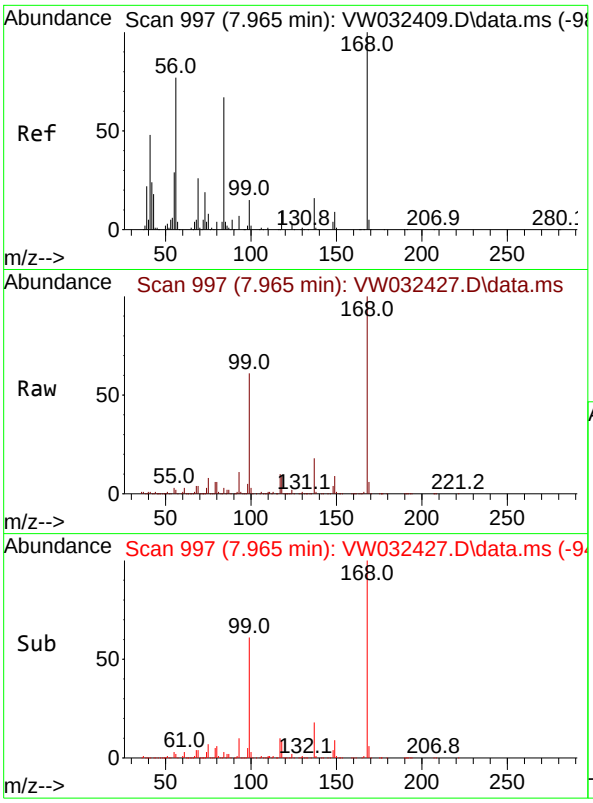
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032427.D
Acq On : 11 Nov 2025 13:54
Operator : SY/MD
Sample : Q3586-01
Misc : 8.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 12 03:49:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-1

**Manual Integrations APPROVED**
Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025






#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

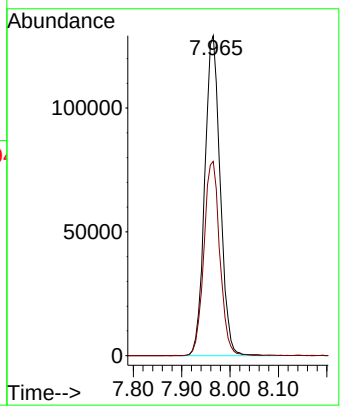
Tgt Ion:168 Resp: 28676

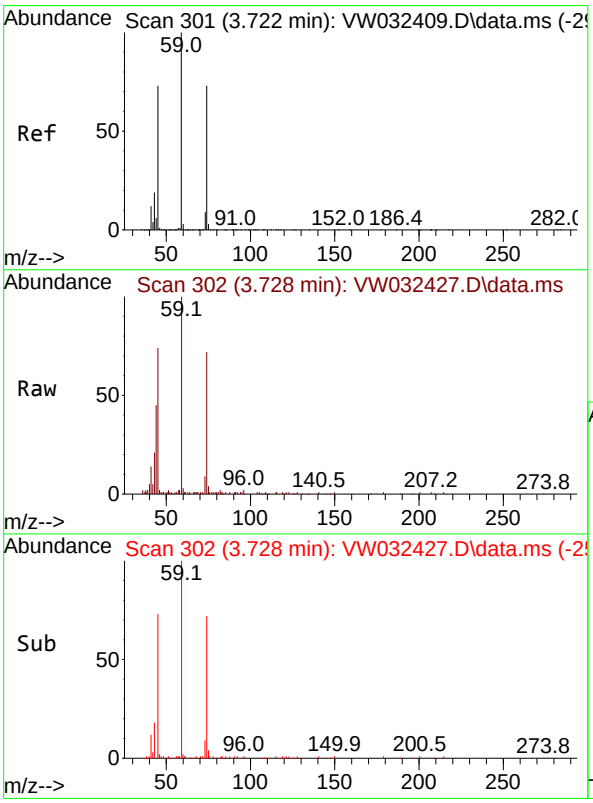
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.7 | 45.4 | 68.2 |

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-1

**Manual Integrations**
**APPROVED**

Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

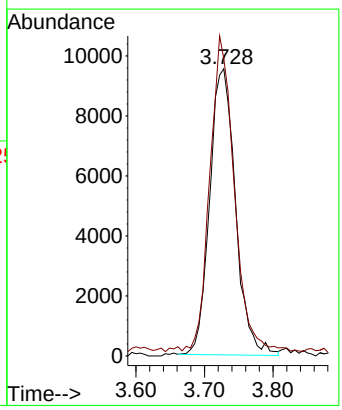


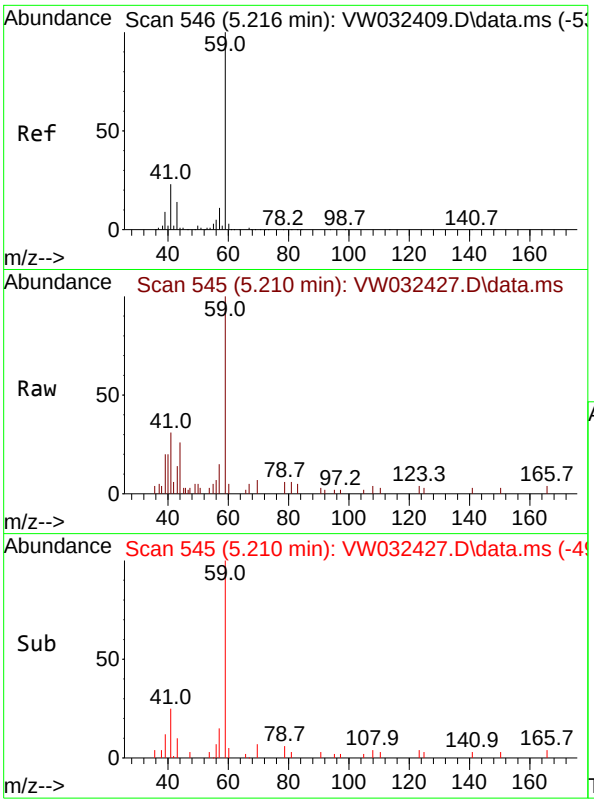




#8
Diethyl Ether
Concen: 12.357 ug/l
RT: 3.728 min Scan# 302
Delta R.T. 0.006 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion: 74 Resp: 24930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.2 | 51.8 | 155.4 |

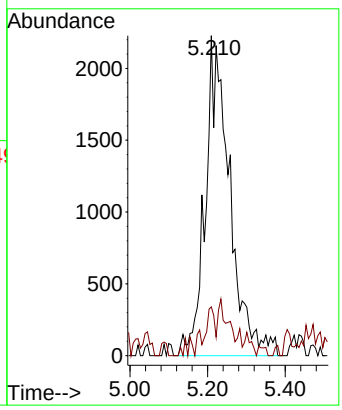





#11
Tert butyl alcohol
Concen: 30.461 ug/l m
RT: 5.210 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion: 59 Resp: 973

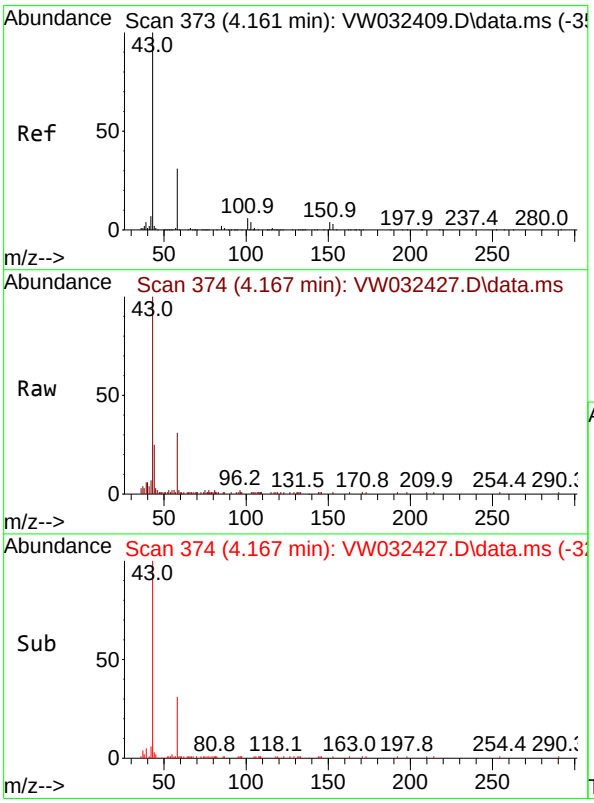
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 3.6 | 8.6 | 12.8 |




**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-1

**Manual Integrations**
**APPROVED**

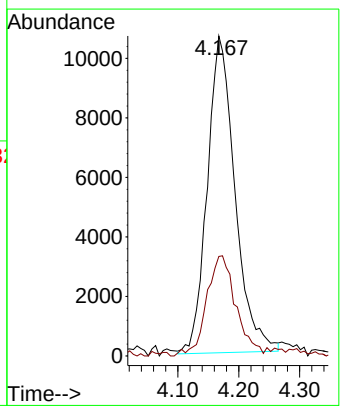
Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

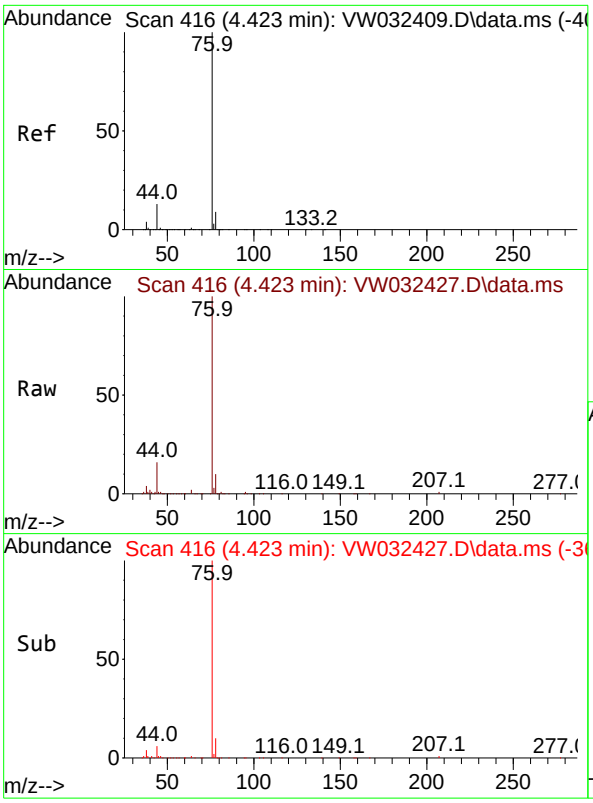



#16
Acetone
Concen: 30.487 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion: 43 Resp: 33721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.6 | 24.8 | 37.2 |

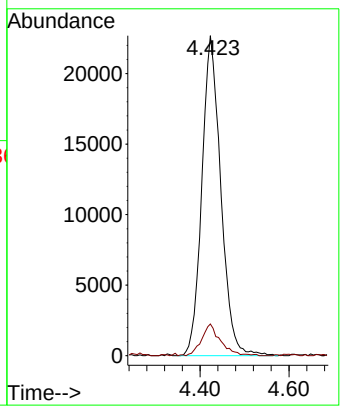





#17
Carbon Disulfide
Concen: 7.386 ug/l
RT: 4.423 min Scan# 4
Delta R.T. 0.000 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion: 76 Resp: 6729

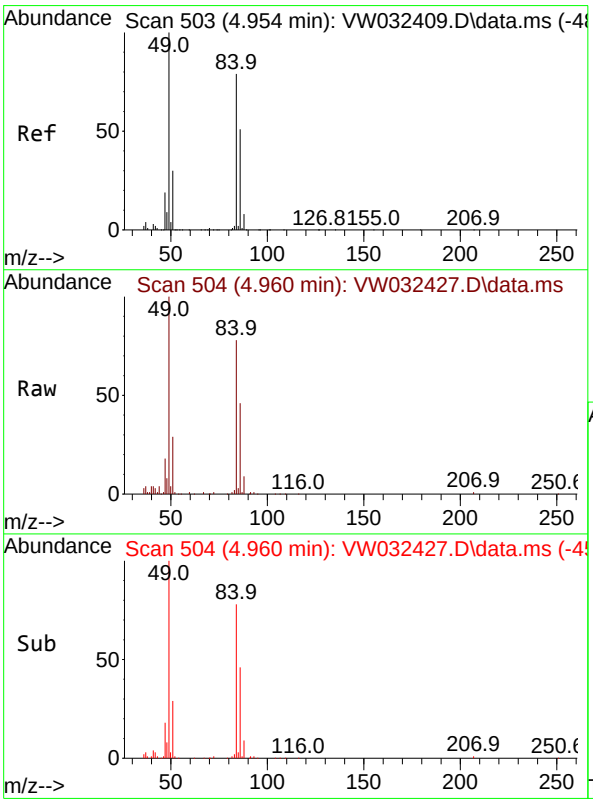
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.9 | 7.6 | 11.4 |




**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-1

**Manual Integrations**
**APPROVED**

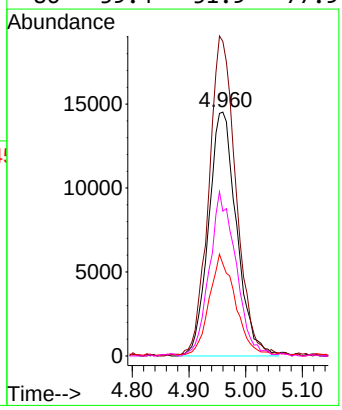
Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025




#20
Methylene Chloride
Concen: 12.621 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion: 84 Resp: 49923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 128.3 | 101.5 | 152.3 |
| 51 | 37.2 | 30.6 | 46.0 |
| 86 | 59.4 | 51.9 | 77.9 |

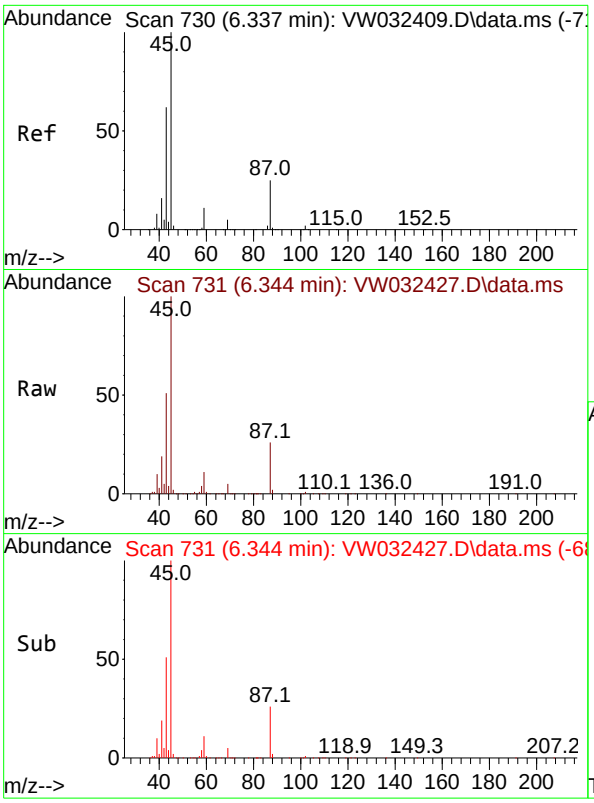


5

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-1

**Manual Integrations**
**APPROVED**

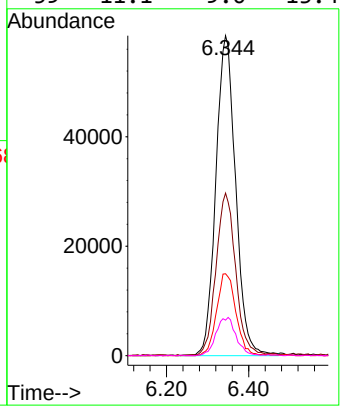
Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

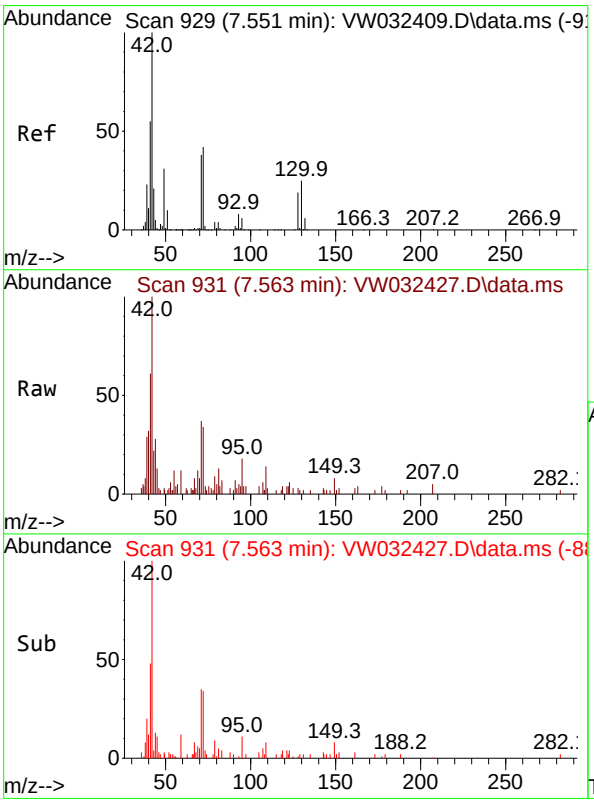



#22
Diisopropyl ether
Concen: 16.184 ug/l
RT: 6.344 min Scan# 7
Delta R.T. 0.006 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion: 45 Resp: 19531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 50.5 | 49.4 | 74.2 |
| 87 | 25.6 | 20.1 | 30.1 |
| 59 | 11.1 | 9.0 | 13.4 |

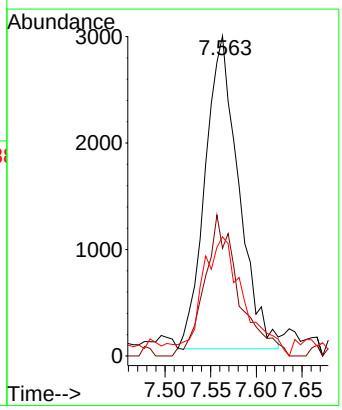


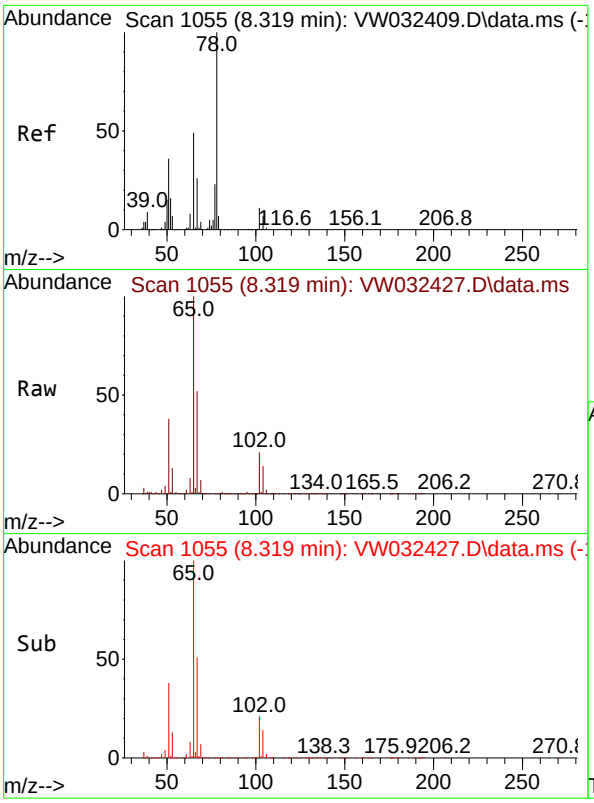




#29
Tetrahydrofuran
Concen: 7.250 ug/l
RT: 7.563 min Scan# 931
Delta R.T. 0.012 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion: 42 Resp: 7498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.9 | 33.6 | 50.4 |
| 71 | 46.8 | 31.4 | 47.0 |

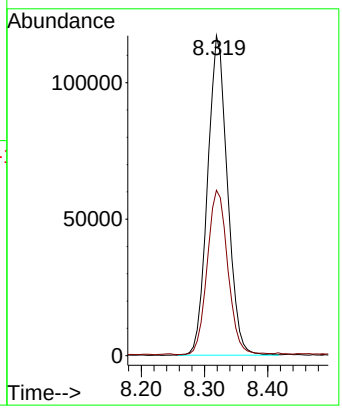





#33
1,2-Dichloroethane-d4
Concen: 68.976 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion: 65 Resp: 25500

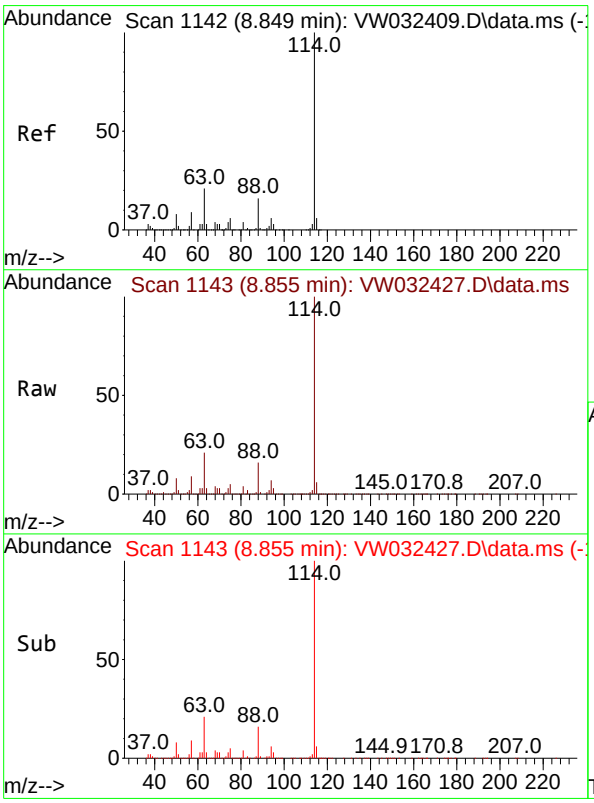
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.3 | 0.0 | 106.8 |




**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-1

**Manual Integrations**
**APPROVED**

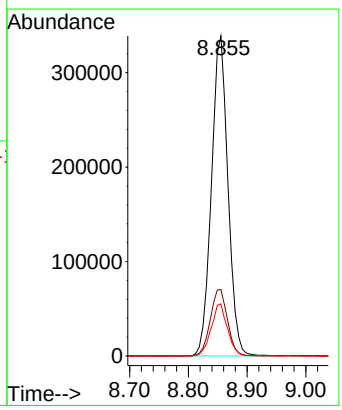
Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



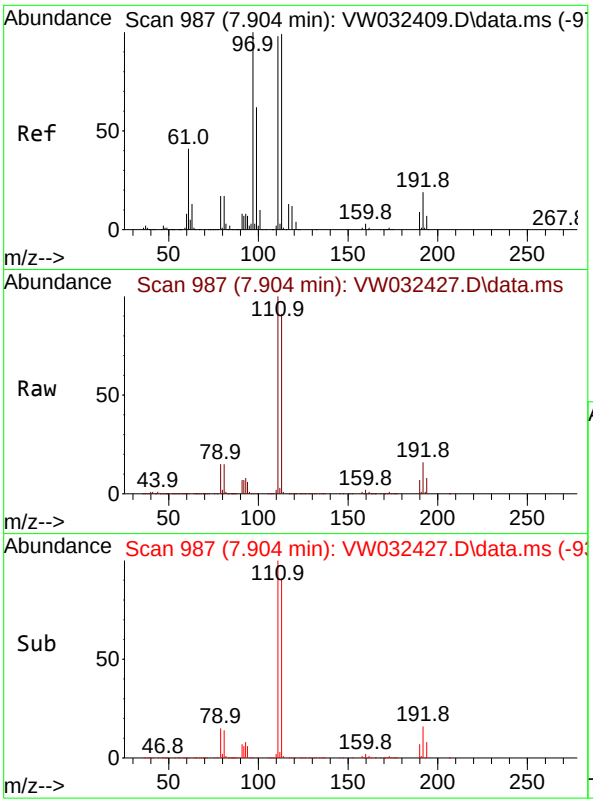

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion:114 Resp: 660595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.7 | 0.0 | 41.8 |
| 88 | 16.3 | 0.0 | 32.6 |



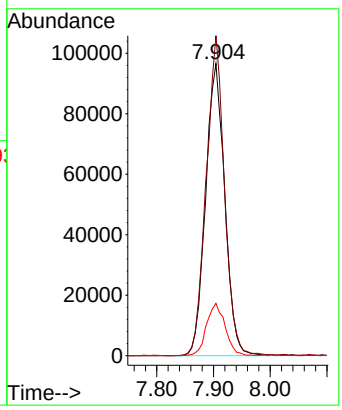
5




#35
Dibromofluoromethane
Concen: 57.416 ug/l
RT: 7.904 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

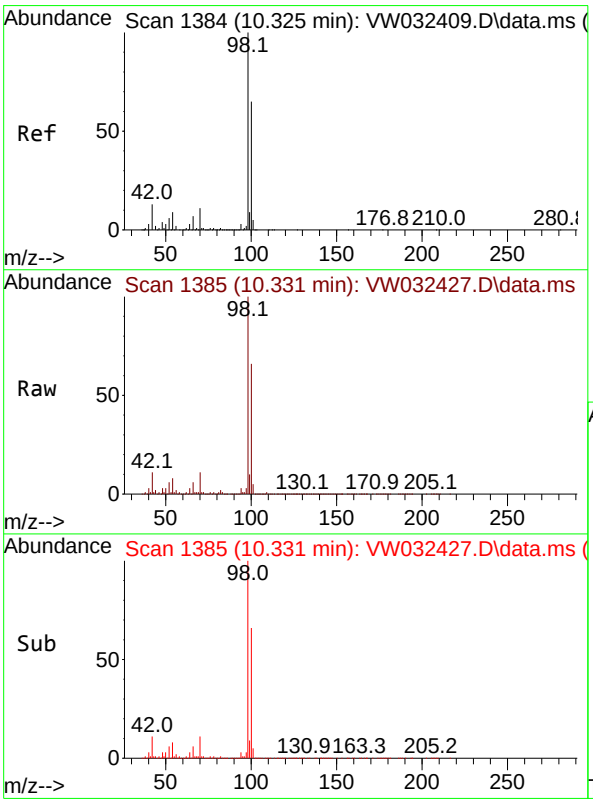
Tgt Ion:113 Resp: 22708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.9 | 83.1 | 124.7 |
| 192 | 17.5 | 13.4 | 20.2 |




**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-1

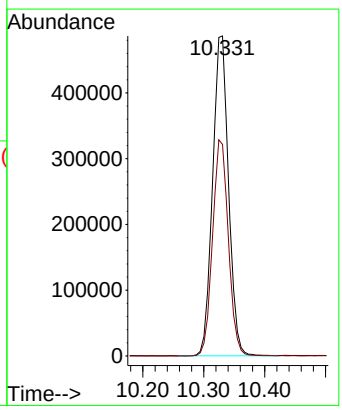
**Manual Integrations**
**APPROVED**
Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

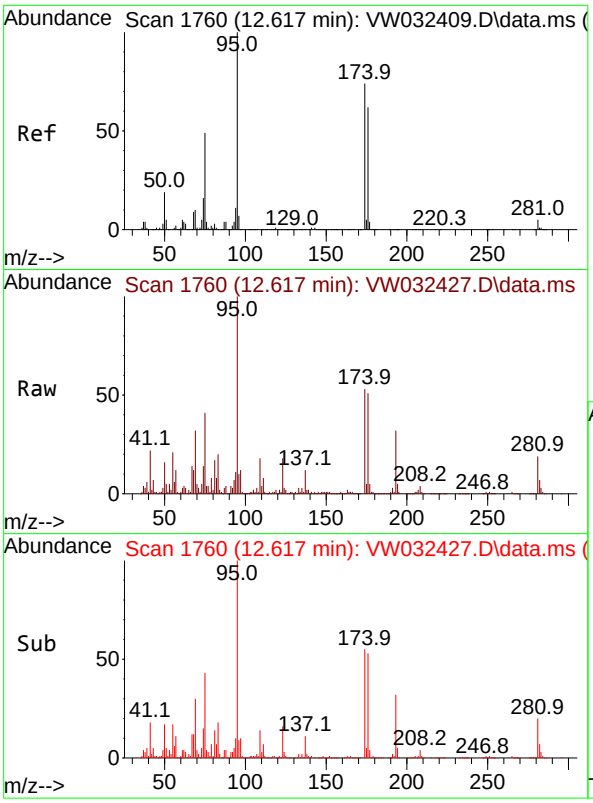



#50
Toluene-d8
Concen: 58.200 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion: 98 Resp: 883087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.1 | 53.3 | 79.9 |

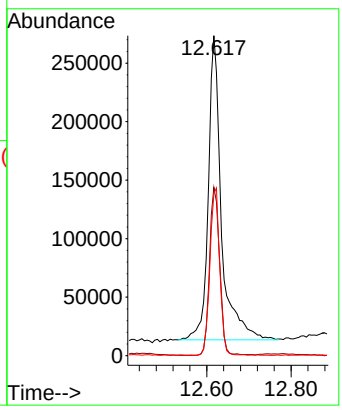





#62
4-Bromofluorobenzene
Concen: 98.562 ug/l
RT: 12.617 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion: 95 Resp: 56494

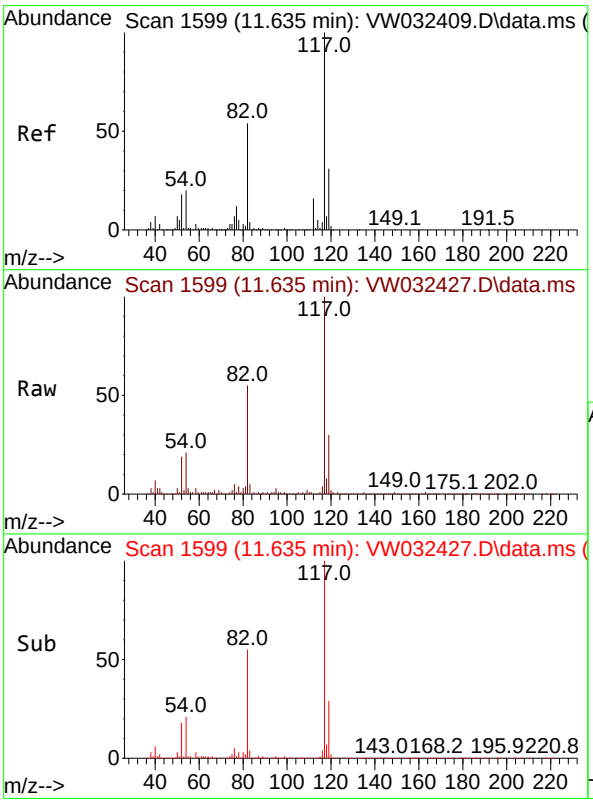
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 42.9 | 0.0 | 135.4 |
| 176 | 41.0 | 0.0 | 131.8 |




**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-1

**Manual Integrations**
**APPROVED**

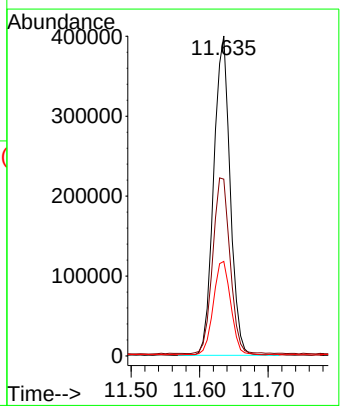
Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

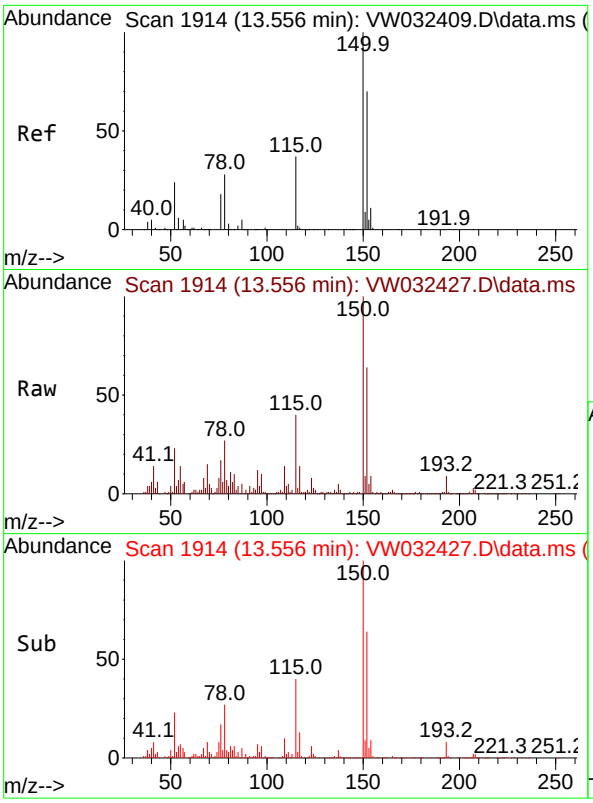



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion:117 Resp: 665967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.5 | 43.0 | 64.4 |
| 119 | 29.2 | 25.0 | 37.6 |

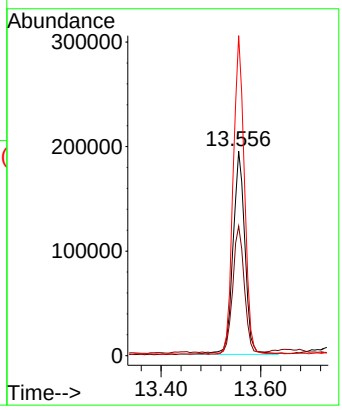





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032427.D
Acq: 11 Nov 2025 13:54

Tgt Ion:152 Resp: 32129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.3 | 32.8 | 98.3 |
| 150 | 148.6 | 0.0 | 356.6 |




**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-1

**Manual Integrations**
**APPROVED**

Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032427.D
Acq On : 11 Nov 2025 13:54
Operator : SY/MD
Sample : Q3586-01
Misc : 8.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-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\82W111025S.M
Title : SW846 8260

Signal : TIC: VW032427.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.728 | 295 | 302 | 315 | rVB3 | 43916 | 119603 | 1.95% | 0.497% |
| 2 | 4.954 | 494 | 503 | 517 | rBV | 59173 | 196390 | 3.20% | 0.815% |
| 3 | 6.344 | 717 | 731 | 748 | rBV | 143888 | 484334 | 7.90% | 2.011% |
| 4 | 7.904 | 973 | 987 | 992 | rBV | 313781 | 772014 | 12.59% | 3.205% |
| 5 | 7.965 | 992 | 997 | 1011 | rVB | 385691 | 854518 | 13.93% | 3.548% |
| 6 | 8.319 | 1047 | 1055 | 1064 | rBV | 321771 | 706945 | 11.53% | 2.935% |
| 7 | 8.855 | 1135 | 1143 | 1152 | rBV | 769522 | 1541425 | 25.13% | 6.400% |
| 8 | 10.325 | 1378 | 1384 | 1393 | rBV | 1298276 | 2353096 | 38.37% | 9.770% |
| 9 | 11.635 | 1592 | 1599 | 1606 | rVB | 1171342 | 2051647 | 33.45% | 8.518% |
| 10 | 12.617 | 1752 | 1760 | 1781 | rVB4 | 1871814 | 6132679 | 100.00% | 25.462% |
| 11 | 13.556 | 1909 | 1914 | 1928 | rVB | 1455399 | 3093585 | 50.44% | 12.844% |
| 12 | 13.739 | 1936 | 1944 | 1957 | rVB4 | 1071856 | 4217443 | 68.77% | 17.510% |
| 13 | 13.867 | 1962 | 1965 | 1966 | rBV | 148110 | 157033 | 2.56% | 0.652% |
| 14 | 15.409 | 2213 | 2218 | 2227 | rVB5 | 198433 | 556386 | 9.07% | 2.310% |
| 15 | 15.702 | 2261 | 2266 | 2277 | rVB3 | 270144 | 848720 | 13.84% | 3.524% |

Sum of corrected areas: 24085818

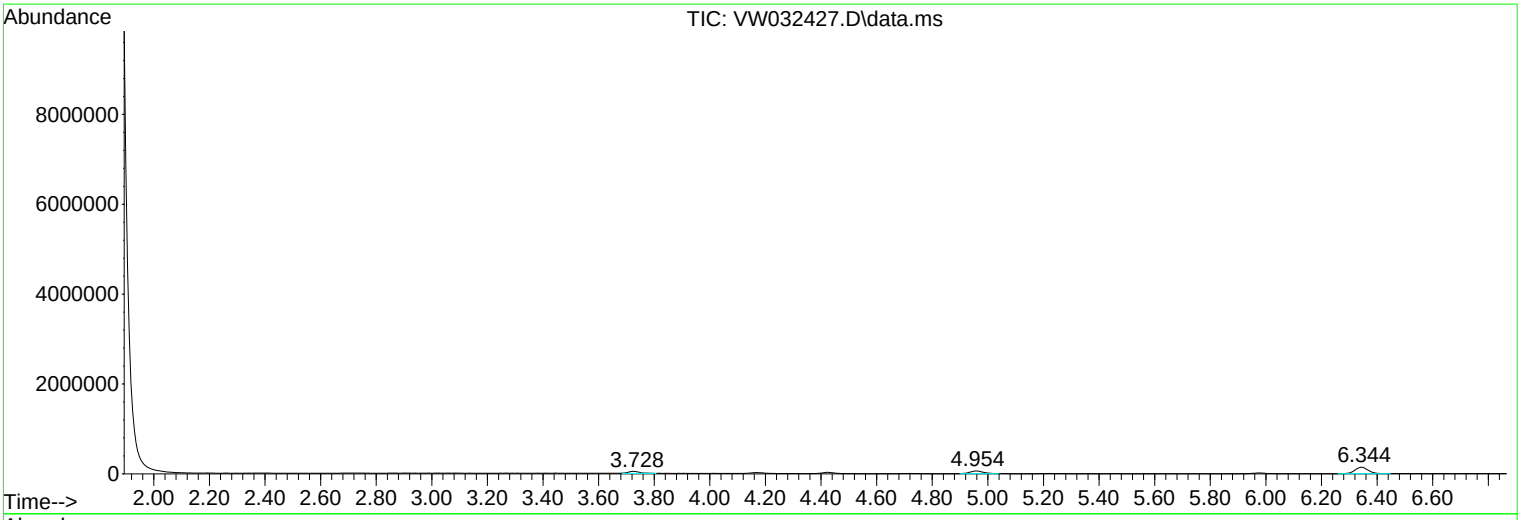
Sample Results: **VW032427.D**

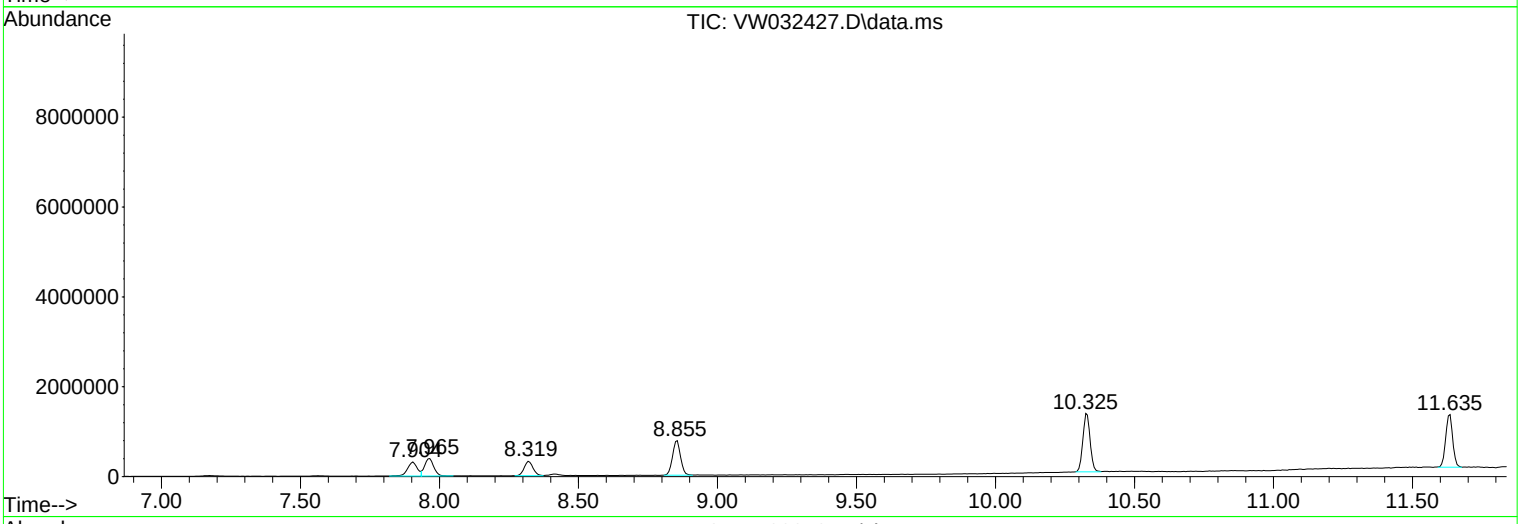
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032427.D
Acq On : 11 Nov 2025 13:54
Operator : SY/MD
Sample : Q3586-01
Misc : 8.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

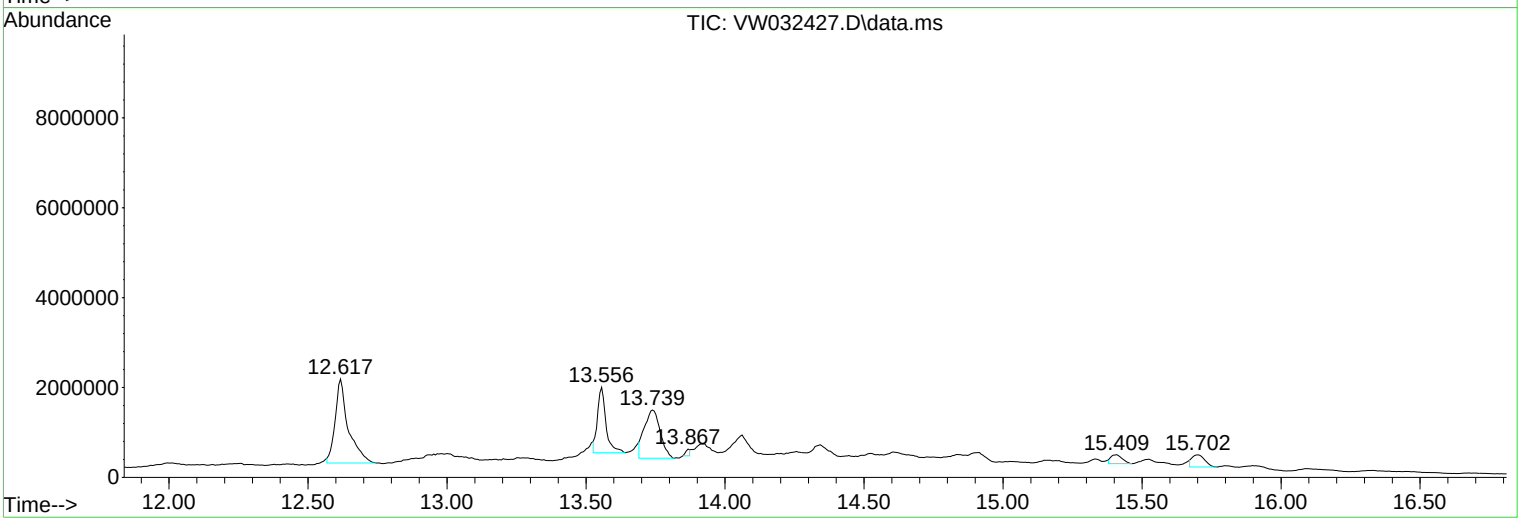
**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032427.D
Acq On : 11 Nov 2025 13:54
Operator : SY/MD
Sample : Q3586-01
Misc : 8.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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\VW111125\
Data File : VW032427.D
Acq On : 11 Nov 2025 13:54
Operator : SY/MD
Sample : Q3586-01
Misc : 8.12g/5mL/MSVOA_W/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023759.D
Acq On : 12 Nov 2025 13:14
Operator : SY/MD
Sample : Q3586-01RE
Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 14 04:50:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-1RE

**Manual Integrations APPROVED**

Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 90723 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.616 | 114 | 111445 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 77890 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 23500 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 28254 | 36.510 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = | 73.020% | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 32559 | 46.750 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = | 93.500% | | |
| 50) Toluene-d8 | 10.109 | 98 | 127782 | 49.254 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = | 98.500% | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 28205 | 33.618 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = | 67.240% | | |
| Target Compounds | | | | | | Qvalue |
| 8) Diethyl Ether | 3.446 | 74 | 1681 | 4.104 | ug/l | 98 |
| 16) Acetone | 3.854 | 43 | 2221m | 11.546 | ug/l | |
| 17) Carbon Disulfide | 4.110 | 76 | 8587 | 3.452 | ug/l # | 95 |
| 20) Methylene Chloride | 4.616 | 84 | 4592 | 4.945 | ug/l | 94 |
| 22) Diisopropyl ether | 6.018 | 45 | 8777 | 3.992 | ug/l # | 90 |

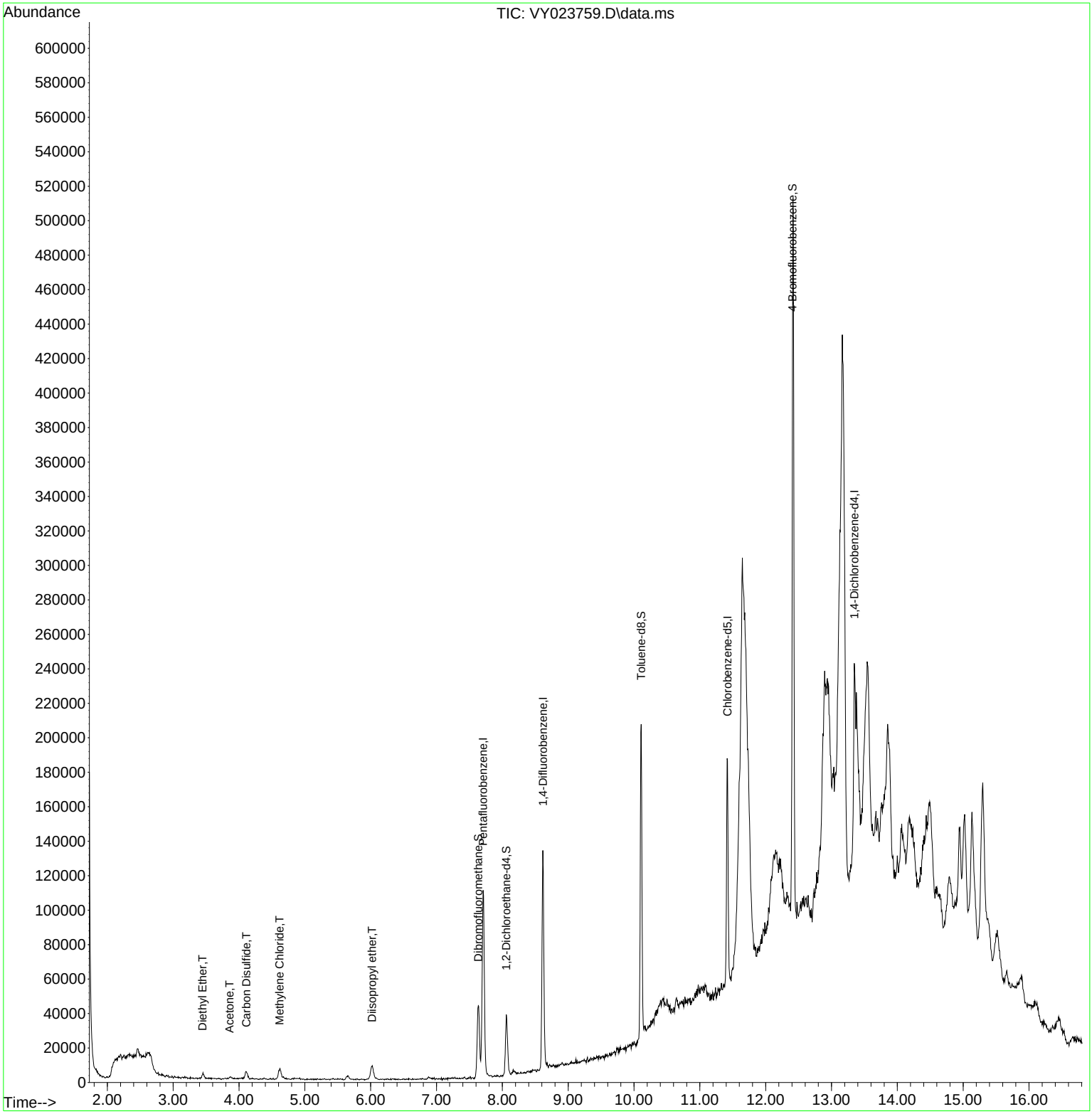
(#) = qualifier out of range (m) = manual integration (+) = signals summed

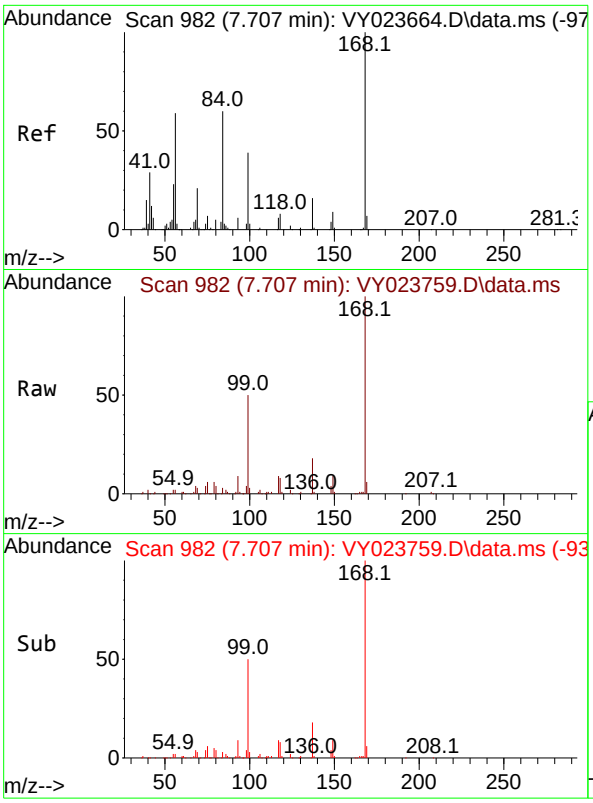
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023759.D
Acq On : 12 Nov 2025 13:14
Operator : SY/MD
Sample : Q3586-01RE
Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 14 04:50:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-1RE

**Manual Integrations APPROVED**
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025






#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

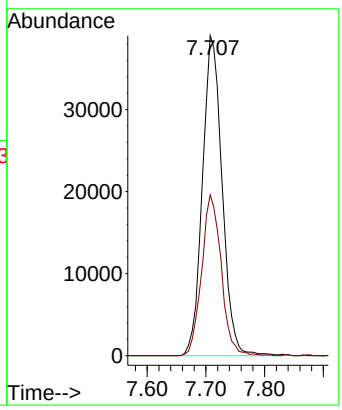
Tgt Ion:168 Resp: 9072

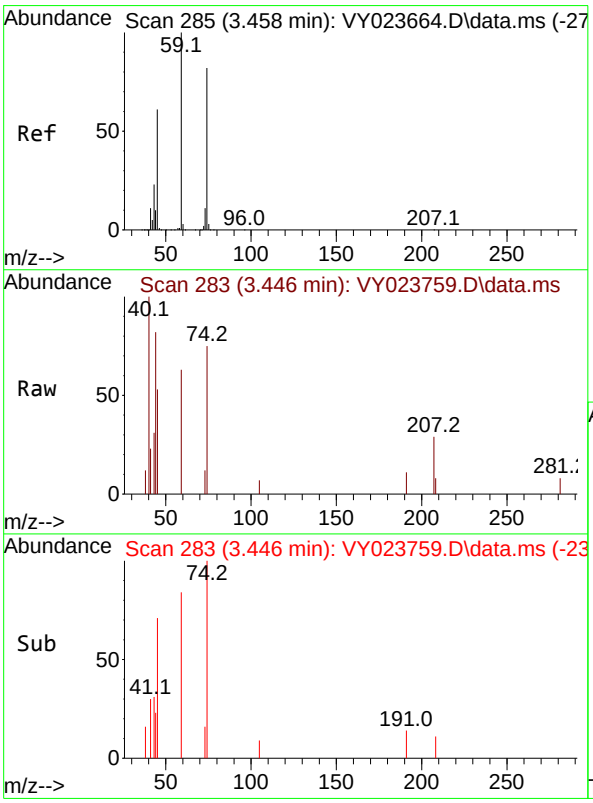
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 50.3 | 41.0 | 61.4 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-1RE

**Manual Integrations**
**APPROVED**

Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

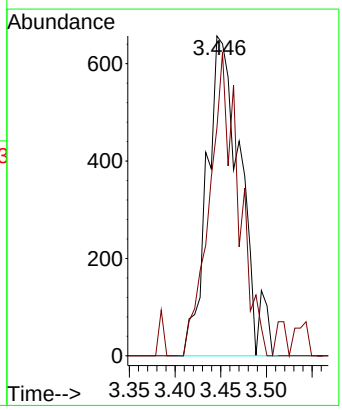



#8
Diethyl Ether
Concen: 4.104 ug/l
RT: 3.446 min Scan# 283
Delta R.T. -0.012 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

Tgt Ion: 74 Resp: 1681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 83.0 | 40.6 | 121.7 |

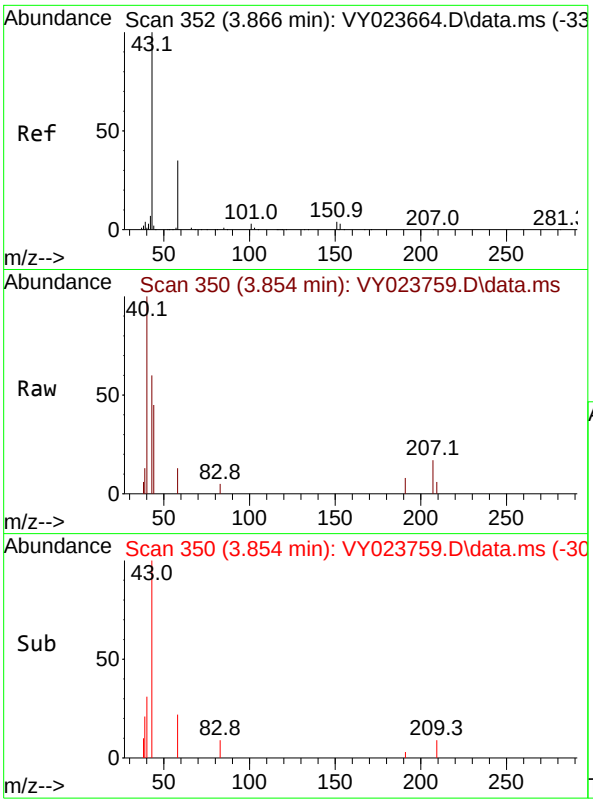


5

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-1RE

**Manual Integrations**
**APPROVED**

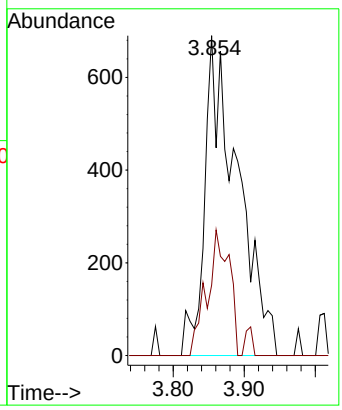
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

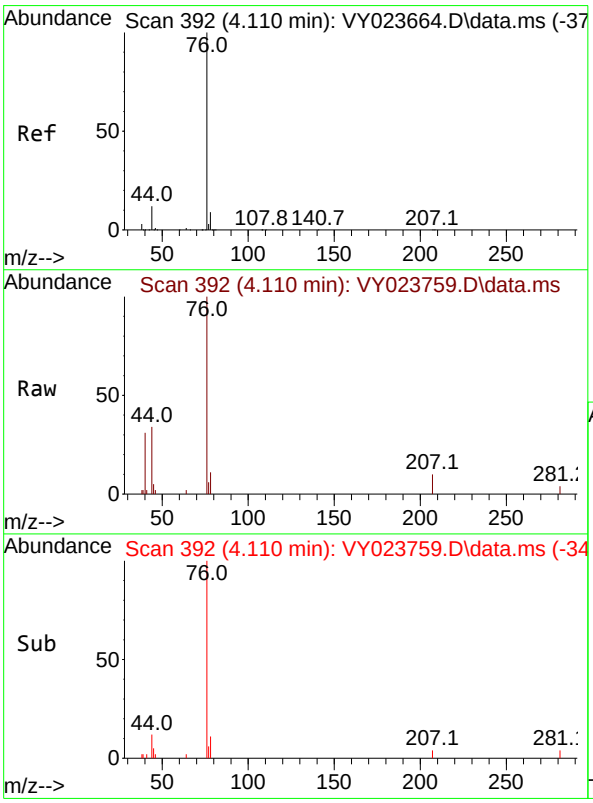



#16
Acetone
Concen: 11.546 ug/l m
RT: 3.854 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

Tgt Ion: 43 Resp: 222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 22.0 | 28.2 | 42.4# |

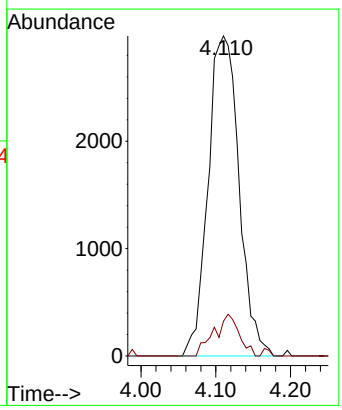


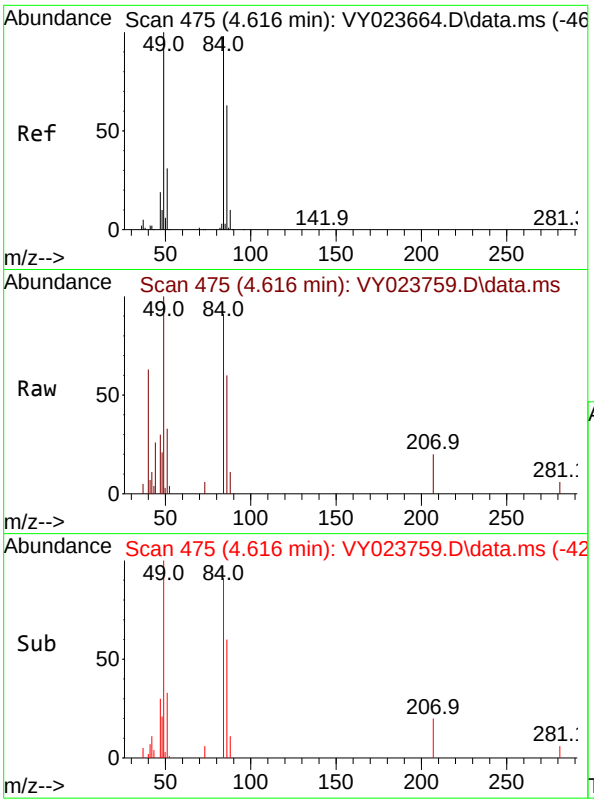




#17
Carbon Disulfide
Concen: 3.452 ug/l
RT: 4.110 min Scan# 392
Delta R.T. -0.000 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

Tgt Ion: 76 Resp: 8587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 10.9 | 7.1 | 10.7# |

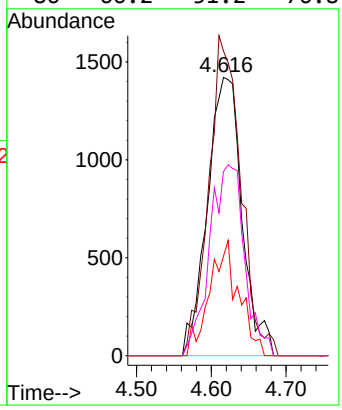





#20
Methylene Chloride
Concen: 4.945 ug/l
RT: 4.616 min Scan# 4
Delta R.T. -0.000 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

Tgt Ion: 84 Resp: 459

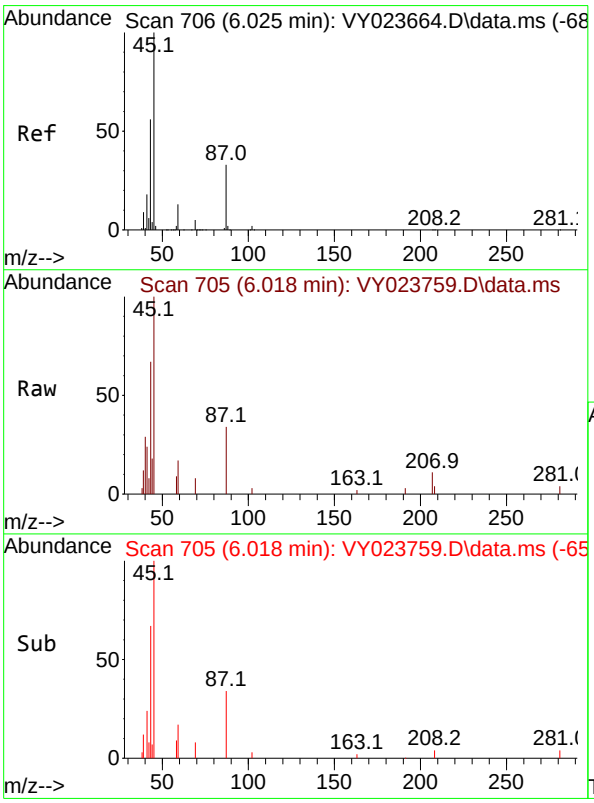
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 109.4 | 81.5 | 122.3 |
| 51 | 35.7 | 25.5 | 38.3 |
| 86 | 66.2 | 51.2 | 76.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-1RE

**Manual Integrations**
**APPROVED**

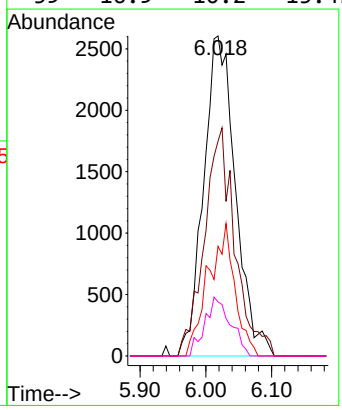
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

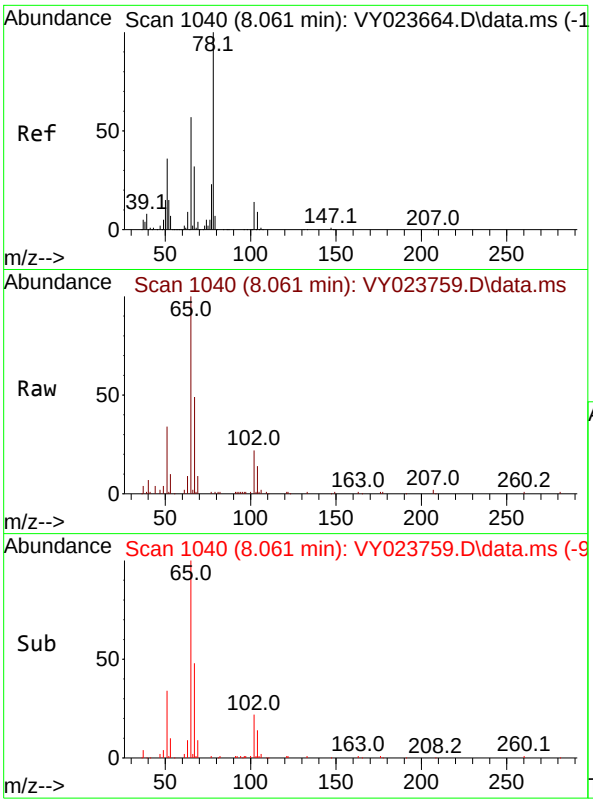



#22
Diisopropyl ether
Concen: 3.992 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

Tgt Ion: 45 Resp: 8777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 67.1 | 44.7 | 67.1# |
| 87 | 34.3 | 27.2 | 40.8 |
| 59 | 16.9 | 10.2 | 15.4# |






#33
1,2-Dichloroethane-d4
Concen: 36.510 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

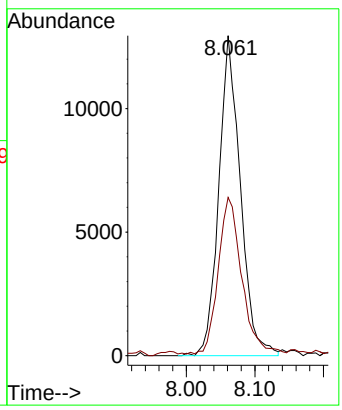
Tgt Ion: 65 Resp: 2825

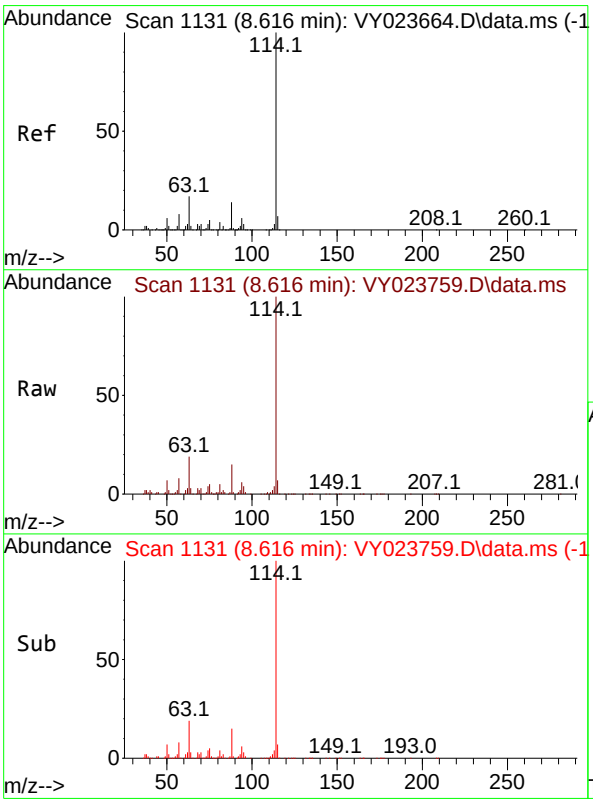
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.6 | 0.0 | 107.4 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-1RE

**Manual Integrations**
**APPROVED**

Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

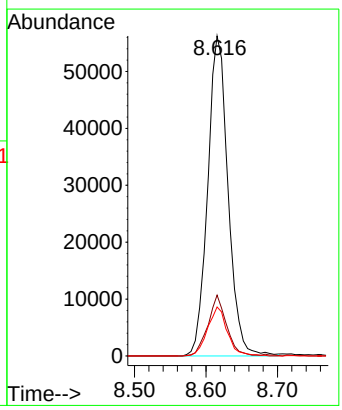


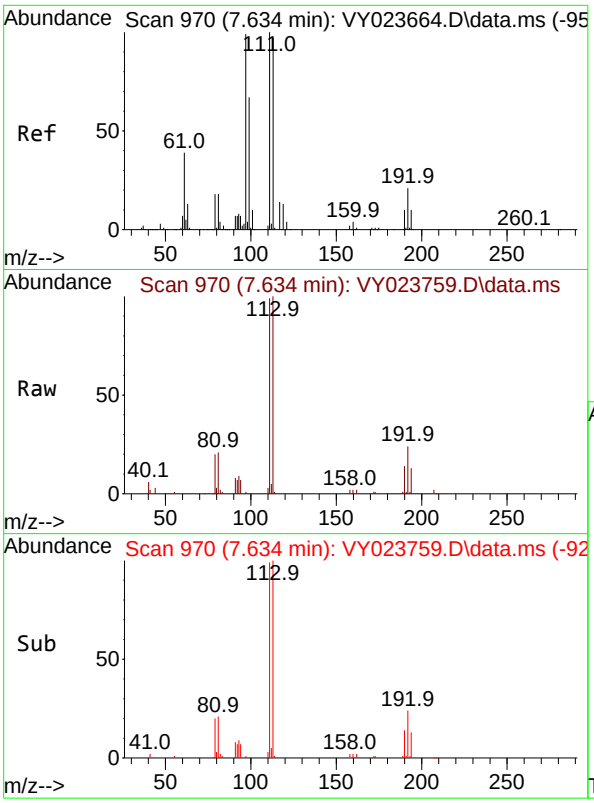




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

Tgt Ion:114 Resp: 111445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.0 | 0.0 | 33.8 |
| 88 | 15.3 | 0.0 | 29.0 |

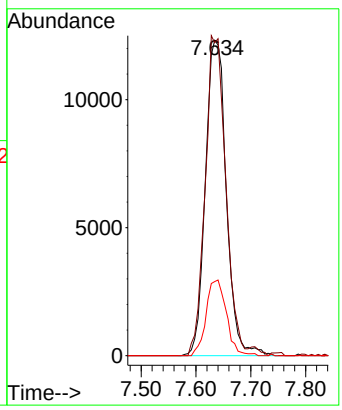





#35
Dibromofluoromethane
Concen: 46.750 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

Tgt Ion:113 Resp: 3255

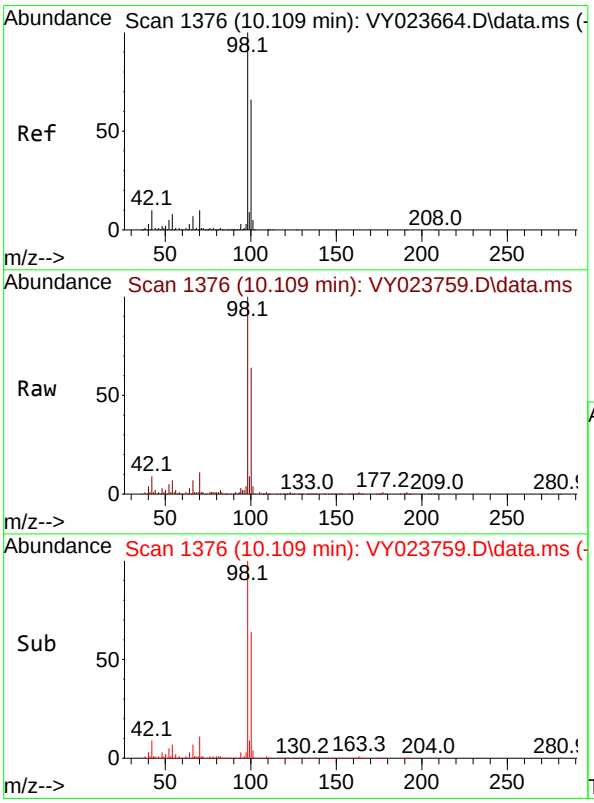
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 99.9 | 82.2 | 123.4 |
| 192 | 23.3 | 17.3 | 25.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-1RE

**Manual Integrations**
**APPROVED**

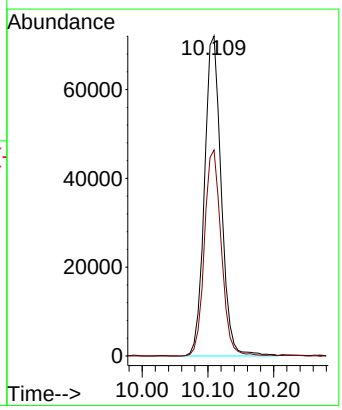
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



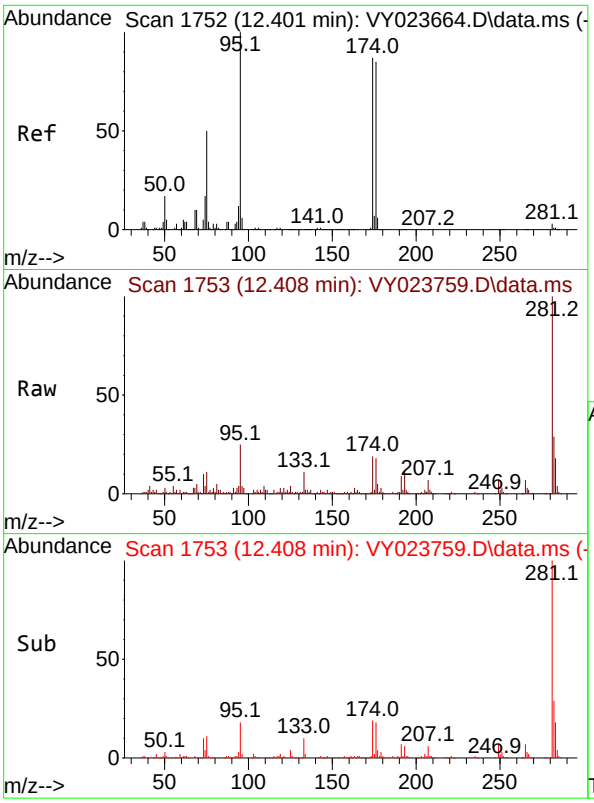

#50
Toluene-d8
Concen: 49.254 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

Tgt Ion: 98 Resp: 127782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.8 | 52.7 | 79.1 |



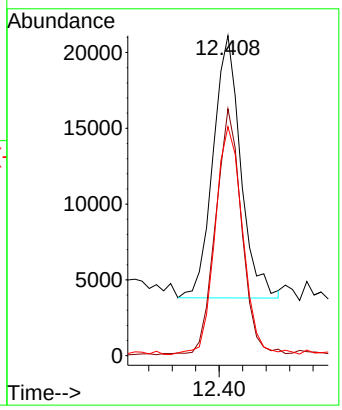
5




#62
4-Bromofluorobenzene
Concen: 33.618 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

Tgt Ion: 95 Resp: 2820

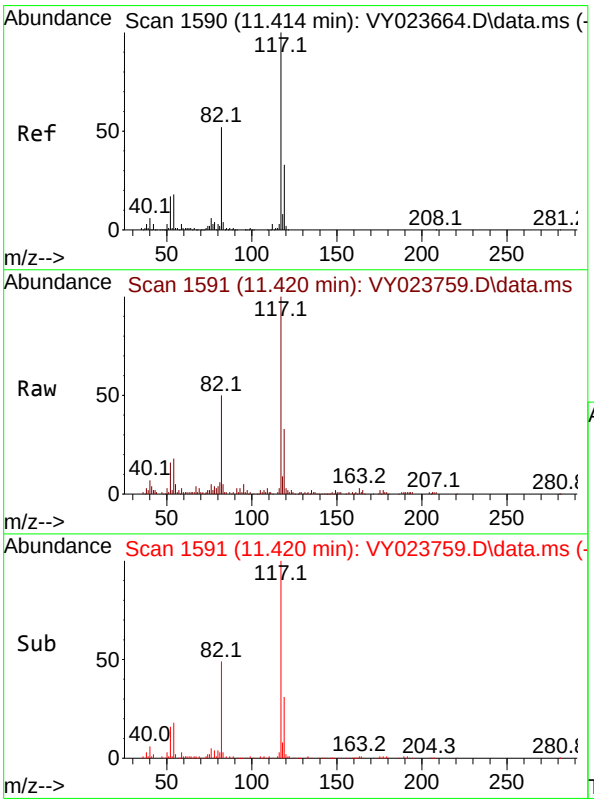
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 88.8 | 0.0 | 184.8 |
| 176 | 86.9 | 0.0 | 181.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-1RE

**Manual Integrations**
**APPROVED**

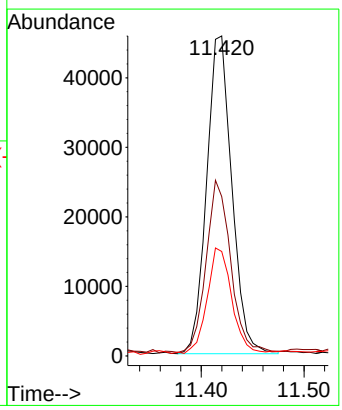
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

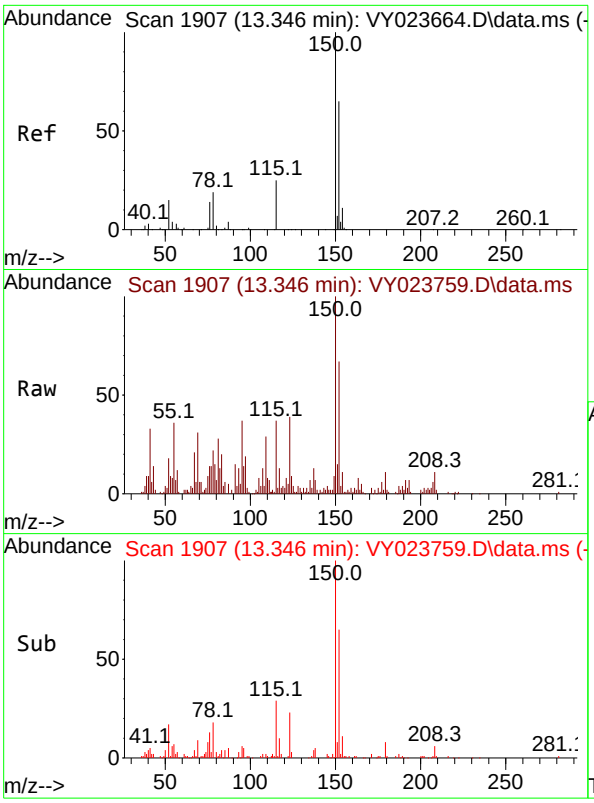



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

Tgt Ion:117 Resp: 77890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 49.1 | 41.2 | 61.8 |
| 119 | 31.7 | 26.2 | 39.2 |

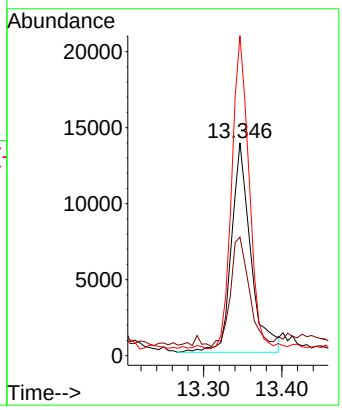





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023759.D
Acq: 12 Nov 2025 13:14

Tgt Ion:152 Resp: 2350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 51.2 | 27.5 | 82.5 |
| 150 | 134.3 | 0.0 | 349.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-1RE

**Manual Integrations**
**APPROVED**

Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-2

Quant Time: Nov 12 03:49:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

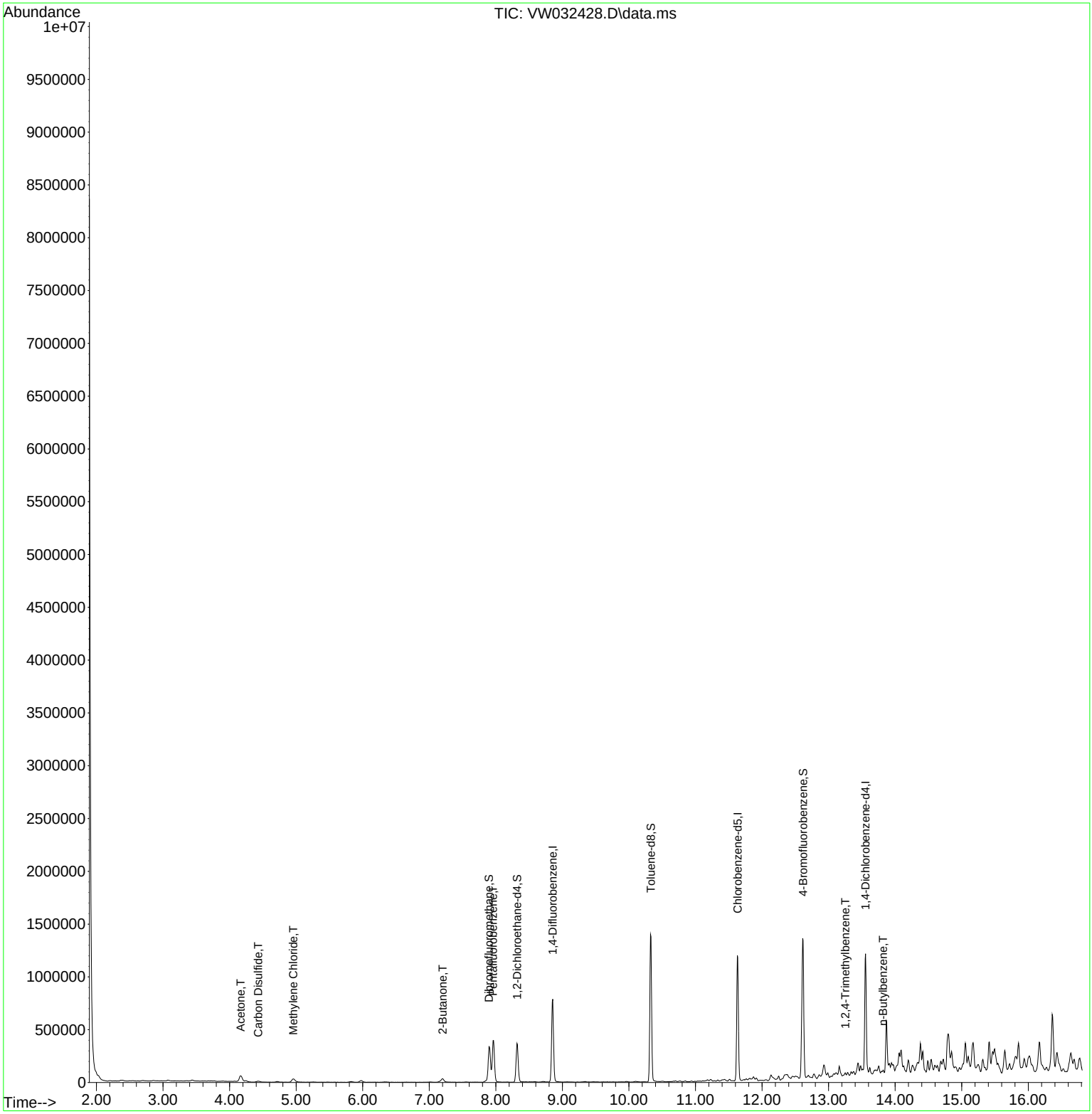
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.959 | 168 | 283259 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.855 | 114 | 670411 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.635 | 117 | 673114 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 275351 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.319 | 65 | 294458 | 80.632 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 63 - 155 | | Recovery = 161.260%# | | | |
| 35) Dibromofluoromethane | 7.898 | 113 | 259724 | 64.706 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 70 - 134 | | Recovery = 129.420% | | | |
| 50) Toluene-d8 | 10.331 | 98 | 957024 | 62.150 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 123 | | Recovery = 124.300%# | | | |
| 62) 4-Bromofluorobenzene | 12.617 | 95 | 393409 | 67.631 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 17 - 146 | | Recovery = 135.260% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 4.167 | 43 | 108416 | 99.232 | ug/l | 99 |
| 17) Carbon Disulfide | 4.429 | 76 | 16719 | 1.858 | ug/l | 100 |
| 20) Methylene Chloride | 4.960 | 84 | 26320 | 6.736 | ug/l | 91 |
| 25) 2-Butanone | 7.203 | 43 | 53672 | 33.345 | ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.251 | 105 | 22246 | 1.311 | ug/l | 99 |
| 89) n-Butylbenzene | 13.818 | 91 | 17808 | 1.021 | ug/l # | 77 |

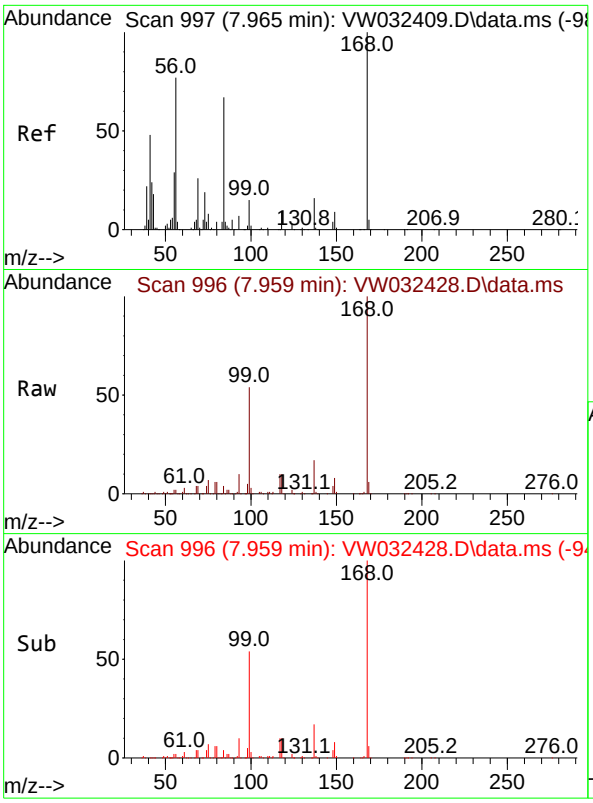
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-2

Quant Time: Nov 12 03:49:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration



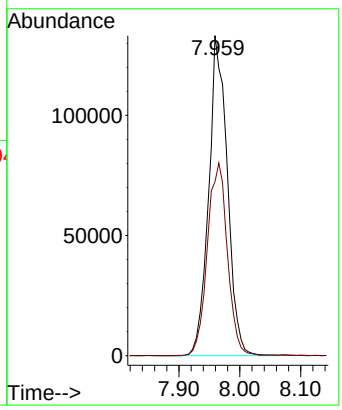


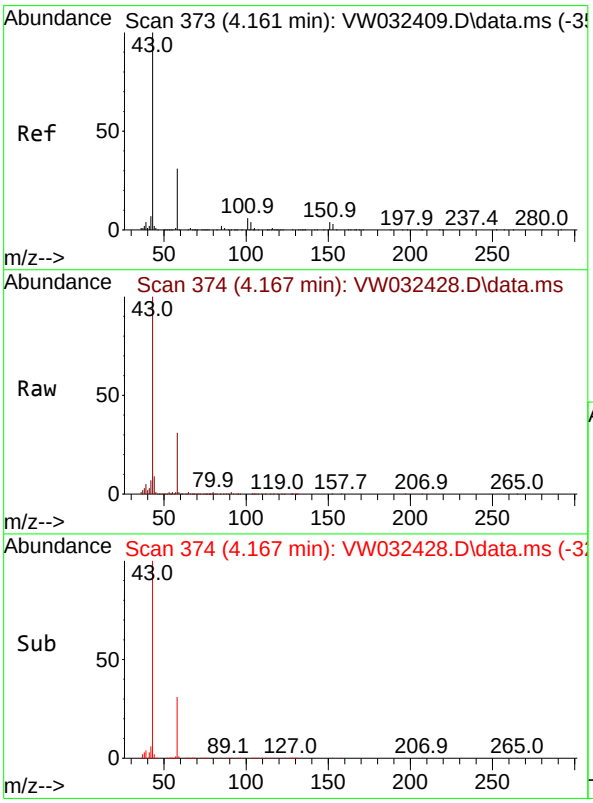

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-2

Tgt Ion:168 Resp: 283259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 54.2 | 45.4 | 68.2 |

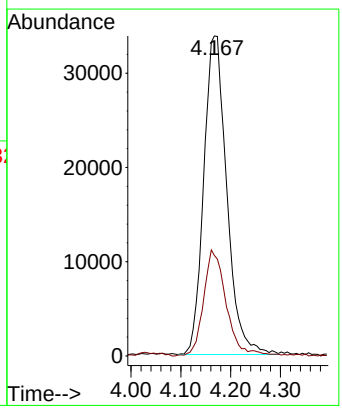


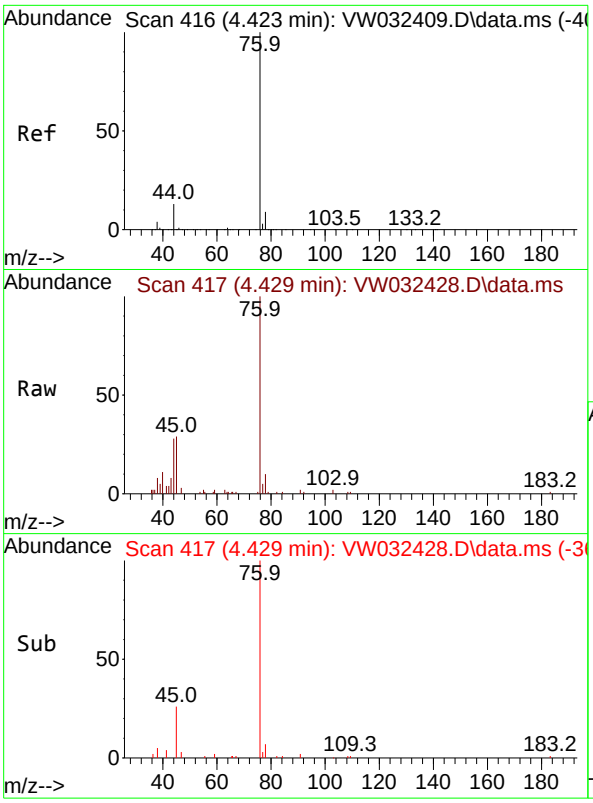




#16
Acetone
Concen: 99.232 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Tgt Ion: 43 Resp: 108416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.3 | 24.8 | 37.2 |



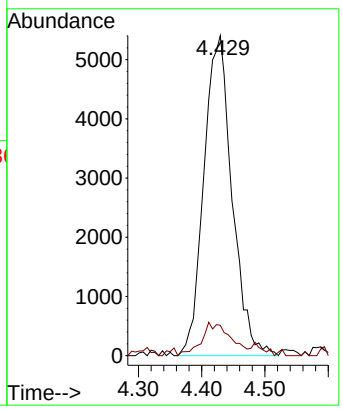


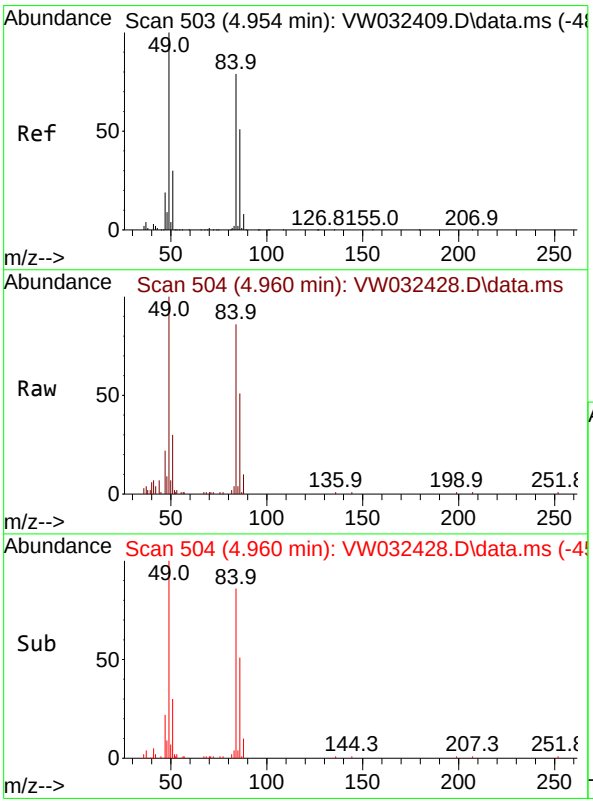

#17
Carbon Disulfide
Concen: 1.858 ug/l
RT: 4.429 min Scan# 4
Delta R.T. 0.006 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-2

Tgt Ion: 76 Resp: 16719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.5 | 7.6 | 11.4 |

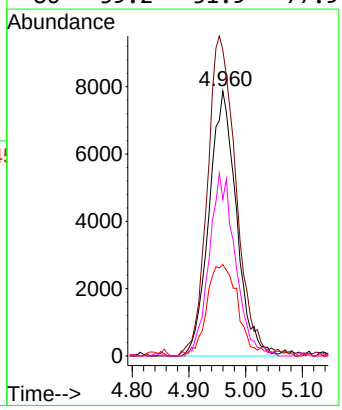


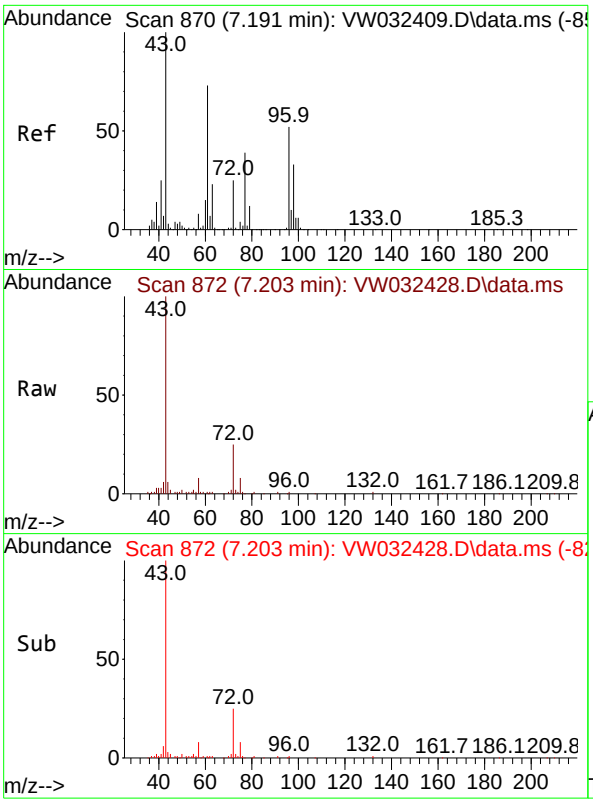




#20
Methylene Chloride
Concen: 6.736 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Tgt Ion: 84 Resp: 26320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 115.6 | 101.5 | 152.3 |
| 51 | 34.5 | 30.6 | 46.0 |
| 86 | 59.2 | 51.9 | 77.9 |



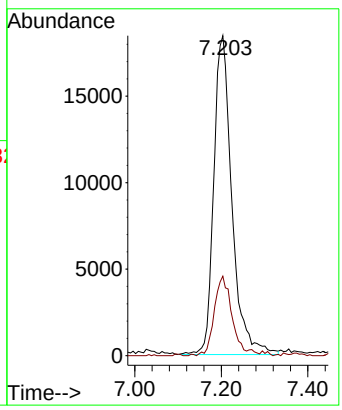


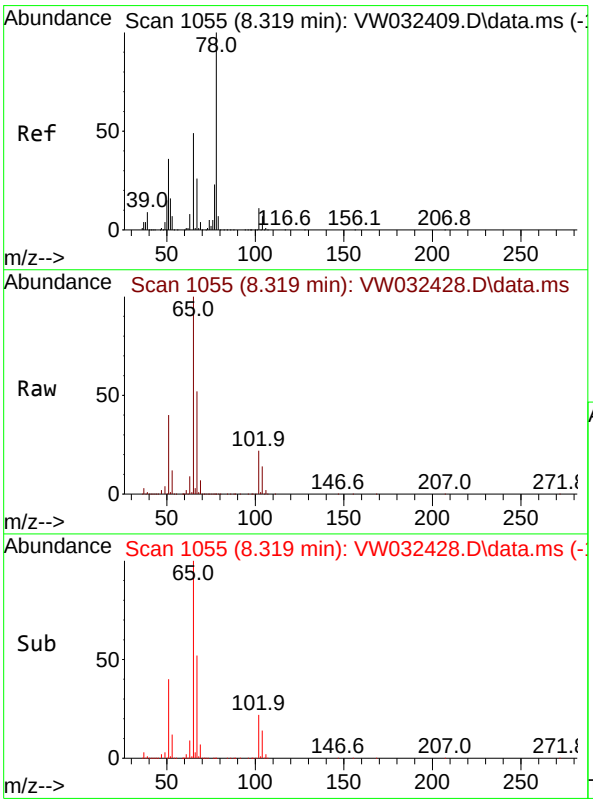

#25
2-Butanone
Concen: 33.345 ug/l
RT: 7.203 min Scan# 8
Delta R.T. 0.012 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-2

Tgt Ion: 43 Resp: 53672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.5 | 20.0 | 30.0 |

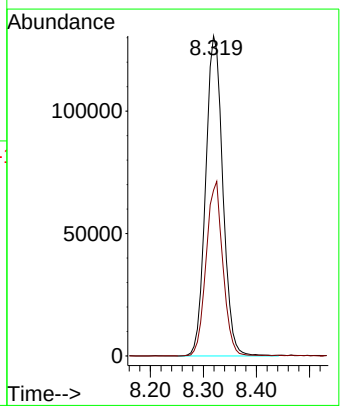


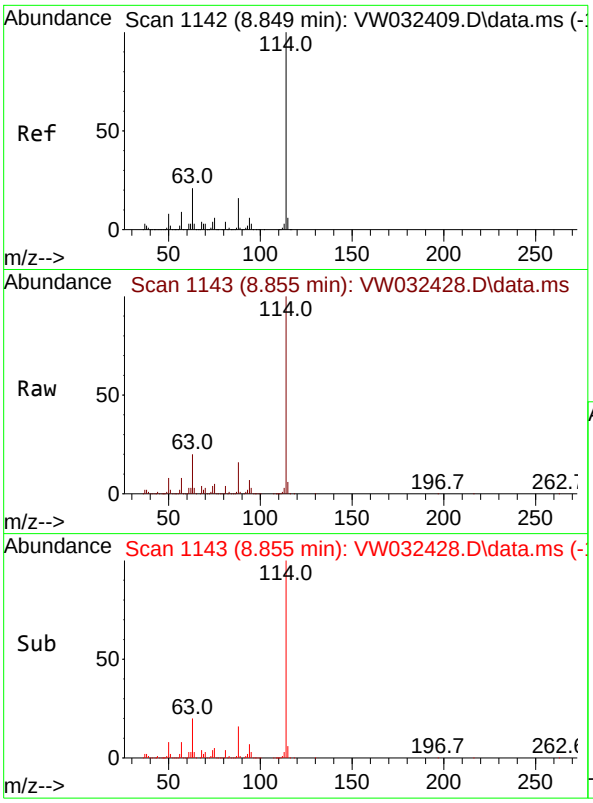




#33
1,2-Dichloroethane-d4
Concen: 80.632 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Tgt Ion: 65 Resp: 294458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.2 | 0.0 | 106.8 |



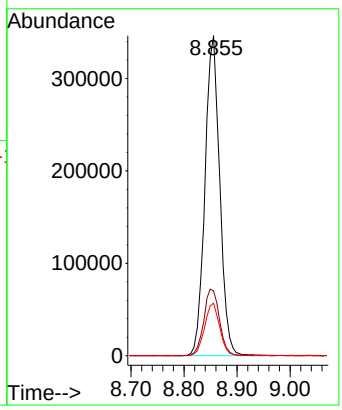


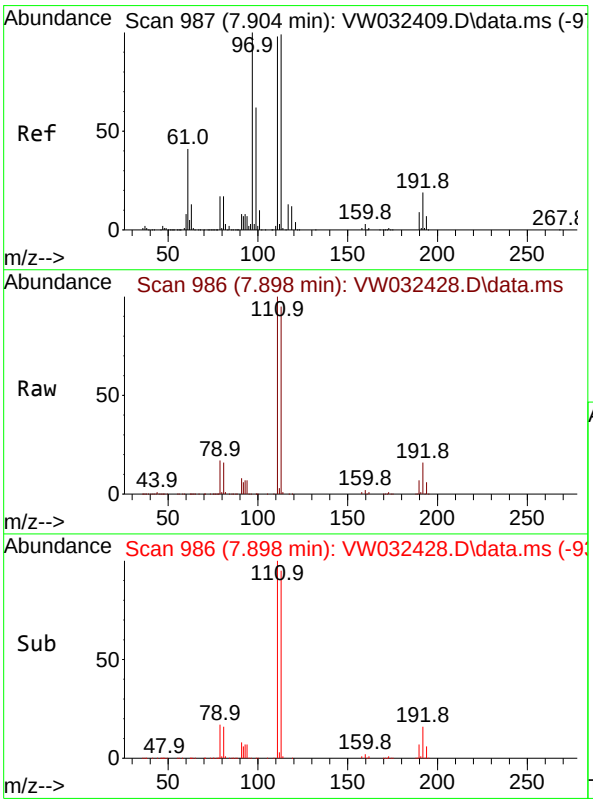

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-2

Tgt Ion:114 Resp: 670411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.2 | 0.0 | 41.8 |
| 88 | 16.4 | 0.0 | 32.6 |

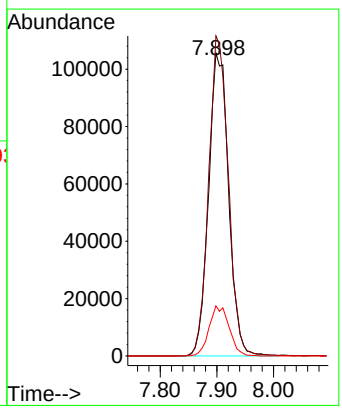


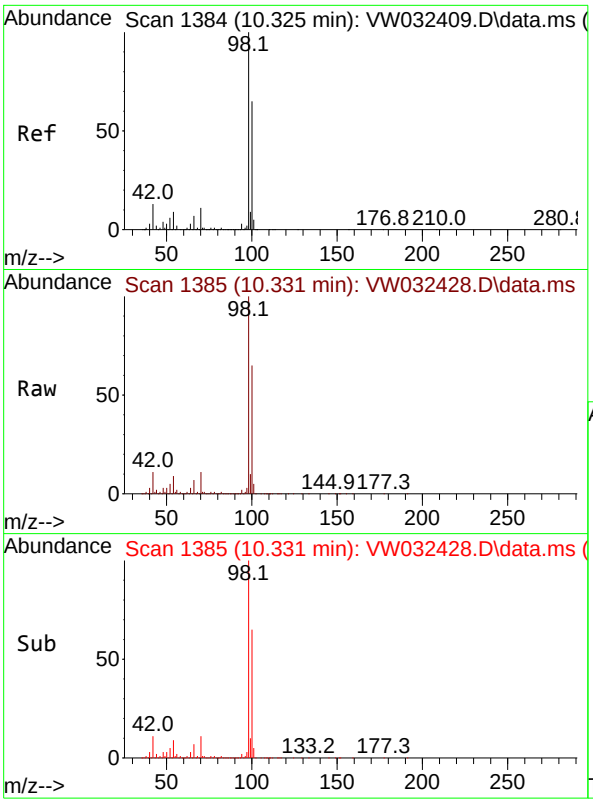




#35
Dibromofluoromethane
Concen: 64.706 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Tgt Ion:113 Resp: 259724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.5 | 83.1 | 124.7 |
| 192 | 16.5 | 13.4 | 20.2 |



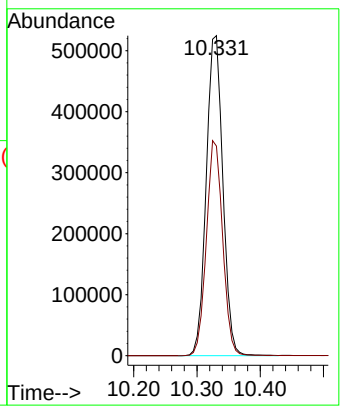


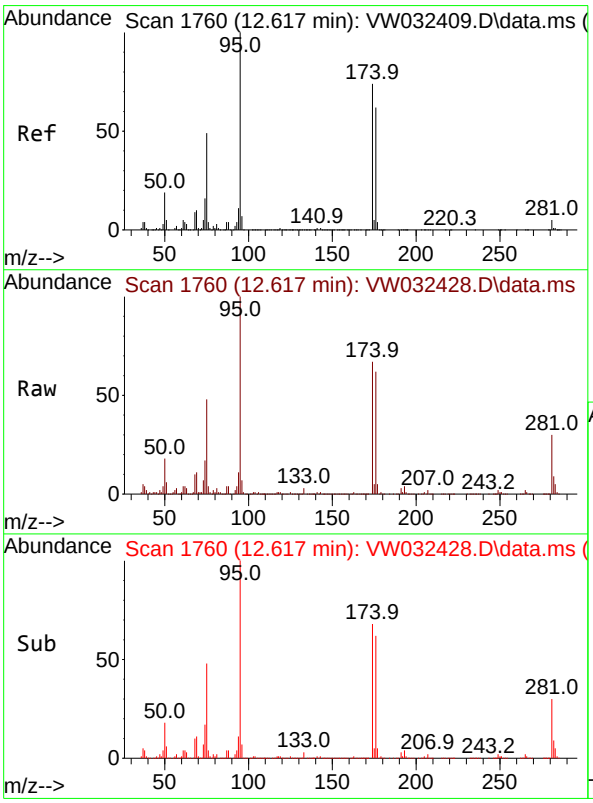

#50
Toluene-d8
Concen: 62.150 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-2

Tgt Ion: 98 Resp: 957024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.0 | 53.3 | 79.9 |

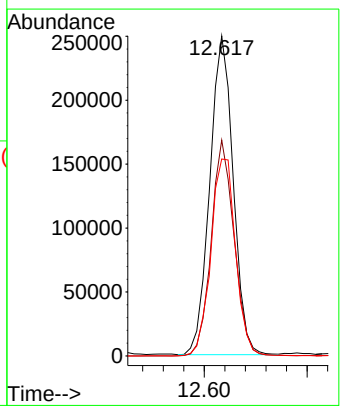


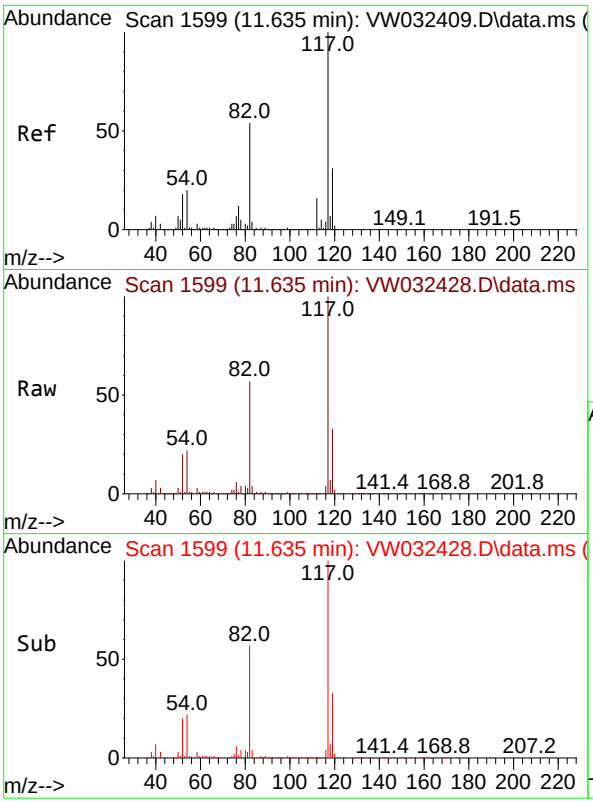




#62
4-Bromofluorobenzene
Concen: 67.631 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Tgt Ion: 95 Resp: 393409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 66.4 | 0.0 | 135.4 |
| 176 | 65.4 | 0.0 | 131.8 |



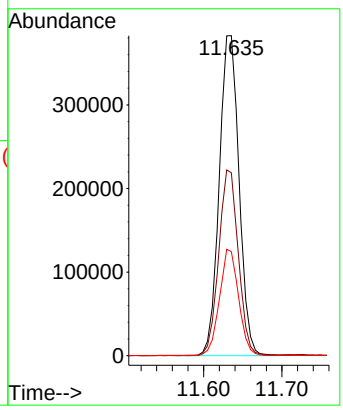


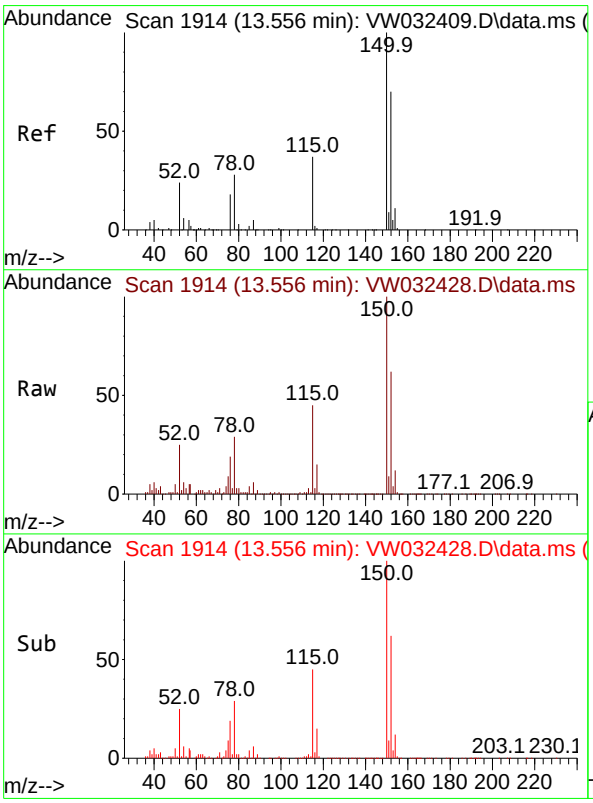

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-2

Tgt Ion:117 Resp: 673114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.1 | 43.0 | 64.4 |
| 119 | 32.5 | 25.0 | 37.6 |

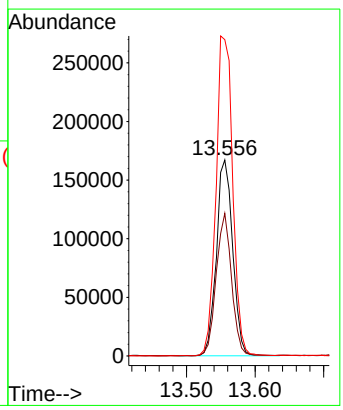


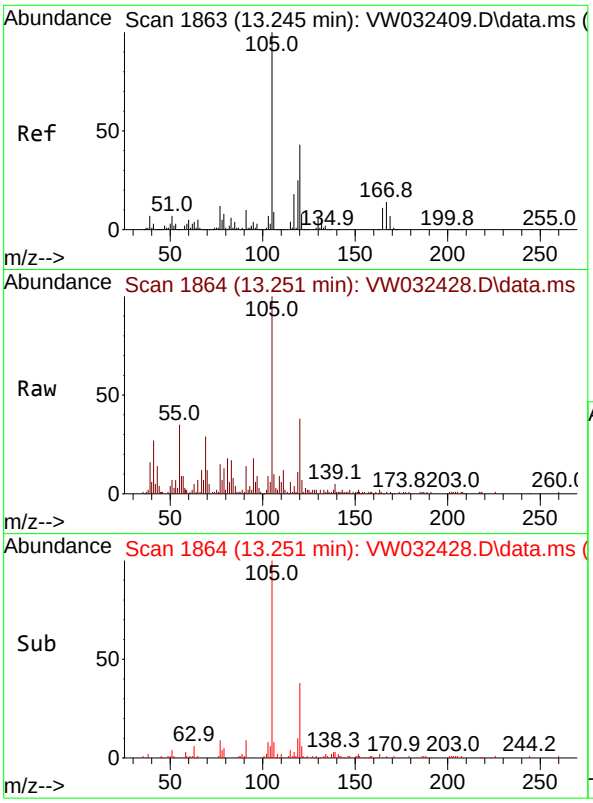




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Tgt Ion:152 Resp: 275351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 68.3 | 32.8 | 98.3 |
| 150 | 167.0 | 0.0 | 356.6 |



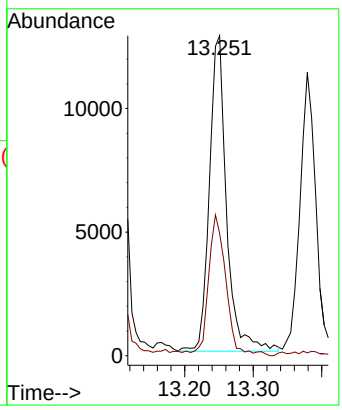


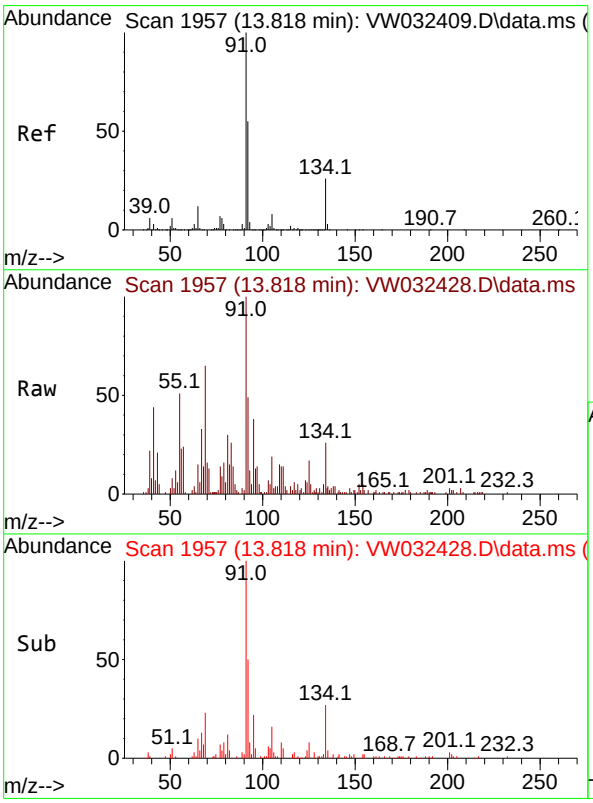

#84
1,2,4-Trimethylbenzene
Concen: 1.311 ug/l
RT: 13.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-2

Tgt Ion:105 Resp: 22246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.1 | 22.1 | 66.5 |

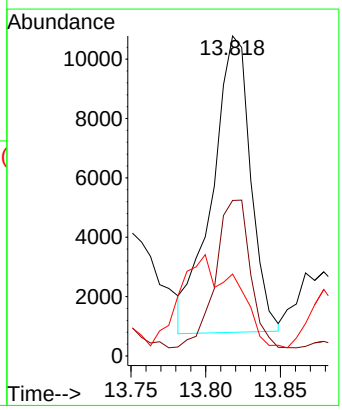



#89
n-Butylbenzene
Concen: 1.021 ug/l
RT: 13.818 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VW032428.D
Acq: 11 Nov 2025 14:15

Tgt Ion: 91 Resp: 17808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 47.4 | 27.4 | 82.2 |
| 134 | 0.0 | 12.4 | 37.4# |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-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\82W111025S.M
Title : SW846 8260

Signal : TIC: VW032428.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.167 | 365 | 374 | 383 | rBV2 | 51083 | 158723 | 5.98% | 0.615% |
| 2 | 4.960 | 490 | 504 | 517 | rBV2 | 30806 | 115942 | 4.37% | 0.449% |
| 3 | 7.203 | 857 | 872 | 884 | rBV2 | 32530 | 115935 | 4.37% | 0.449% |
| 4 | 7.898 | 970 | 986 | 992 | rBV | 338461 | 893076 | 33.65% | 3.458% |
| 5 | 7.965 | 992 | 997 | 1008 | rVB2 | 392842 | 878767 | 33.12% | 3.403% |
| 6 | 8.319 | 1045 | 1055 | 1067 | rBV | 367359 | 830332 | 31.29% | 3.215% |
| 7 | 8.855 | 1131 | 1143 | 1161 | rVB | 784139 | 1590290 | 59.93% | 6.158% |
| 8 | 10.325 | 1376 | 1384 | 1401 | rBV | 1397165 | 2573641 | 96.98% | 9.965% |
| 9 | 11.629 | 1591 | 1598 | 1608 | rBV | 1189413 | 2079439 | 78.36% | 8.052% |
| 10 | 12.135 | 1674 | 1681 | 1692 | rBV2 | 54158 | 174595 | 6.58% | 0.676% |
| 11 | 12.367 | 1709 | 1719 | 1720 | rBV6 | 40918 | 121417 | 4.58% | 0.470% |
| 12 | 12.611 | 1751 | 1759 | 1767 | rBV2 | 1325197 | 2653666 | 100.00% | 10.275% |
| 13 | 12.782 | 1783 | 1787 | 1794 | rVB4 | 44777 | 92999 | 3.50% | 0.360% |
| 14 | 12.928 | 1804 | 1811 | 1818 | rBV4 | 107716 | 259631 | 9.78% | 1.005% |
| 15 | 13.160 | 1845 | 1849 | 1856 | rVB2 | 91306 | 159439 | 6.01% | 0.617% |
| 16 | 13.440 | 1888 | 1895 | 1899 | rBV6 | 108028 | 225344 | 8.49% | 0.873% |
| 17 | 13.556 | 1908 | 1914 | 1921 | rVV | 1120700 | 1833342 | 69.09% | 7.099% |
| 18 | 13.617 | 1921 | 1924 | 1930 | rVB3 | 60282 | 86640 | 3.26% | 0.335% |
| 19 | 13.751 | 1943 | 1946 | 1951 | rVB | 65782 | 99777 | 3.76% | 0.386% |
| 20 | 13.867 | 1960 | 1965 | 1970 | rBV2 | 488488 | 807808 | 30.44% | 3.128% |
| 21 | 14.062 | 1986 | 1997 | 1999 | rBV3 | 169002 | 393531 | 14.83% | 1.524% |
| 22 | 14.086 | 1999 | 2001 | 2006 | rVB | 162259 | 237682 | 8.96% | 0.920% |
| 23 | 14.196 | 2014 | 2019 | 2025 | rVB5 | 116181 | 217935 | 8.21% | 0.844% |
| 24 | 14.263 | 2025 | 2030 | 2035 | rBV5 | 67557 | 148277 | 5.59% | 0.574% |
| 25 | 14.342 | 2036 | 2043 | 2044 | rVV6 | 85012 | 185136 | 6.98% | 0.717% |
| 26 | 14.379 | 2045 | 2049 | 2052 | rVV2 | 261875 | 450736 | 16.99% | 1.745% |
| 27 | 14.415 | 2052 | 2055 | 2063 | rVB2 | 194459 | 314603 | 11.86% | 1.218% |
| 28 | 14.489 | 2063 | 2067 | 2071 | rBV3 | 107444 | 161052 | 6.07% | 0.624% |
| 29 | 14.543 | 2071 | 2076 | 2081 | rVV5 | 99694 | 178102 | 6.71% | 0.690% |
| 30 | 14.690 | 2095 | 2100 | 2102 | rBV2 | 94459 | 166726 | 6.28% | 0.646% |
| 31 | 14.726 | 2103 | 2106 | 2111 | rVB4 | 95970 | 145250 | 5.47% | 0.562% |
| 32 | 14.793 | 2111 | 2117 | 2123 | rBV4 | 335470 | 901747 | 33.98% | 3.492% |
| 33 | 15.056 | 2155 | 2160 | 2164 | rBV2 | 197226 | 327847 | 12.35% | 1.269% |
| 34 | 15.098 | 2164 | 2167 | 2172 | rVB2 | 94753 | 137958 | 5.20% | 0.534% |
| 35 | 15.171 | 2172 | 2179 | 2186 | rVB4 | 239373 | 546767 | 20.60% | 2.117% |
| 36 | 15.318 | 2198 | 2203 | 2207 | rBV3 | 114549 | 219476 | 8.27% | 0.850% |

Sample Results: **VW032428.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-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\82W111025S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 15.415 | 2213 | 2219 | 2223 | rBV | 259177 | 485956 | 18.31% | 1.882% |
| 38 | 15.464 | 2223 | 2227 | 2229 | rBV4 | 110331 | 174192 | 6.56% | 0.674% |
| 39 | 15.647 | 2250 | 2257 | 2263 | rBV2 | 213570 | 492618 | 18.56% | 1.907% |
| 40 | 15.805 | 2276 | 2283 | 2287 | rBV4 | 108168 | 294698 | 11.11% | 1.141% |
| 41 | 15.854 | 2287 | 2291 | 2298 | rVB2 | 235188 | 414279 | 15.61% | 1.604% |
| 42 | 15.940 | 2301 | 2305 | 2310 | rBV5 | 82117 | 135409 | 5.10% | 0.524% |
| 43 | 16.013 | 2311 | 2317 | 2323 | rBV4 | 101328 | 275862 | 10.40% | 1.068% |
| 44 | 16.165 | 2335 | 2342 | 2356 | rVB2 | 262658 | 670468 | 25.27% | 2.596% |
| 45 | 16.360 | 2365 | 2374 | 2381 | rBV2 | 530815 | 1204154 | 45.38% | 4.662% |
| 46 | 16.433 | 2381 | 2386 | 2397 | rVB3 | 175360 | 489977 | 18.46% | 1.897% |
| 47 | 16.641 | 2411 | 2420 | 2425 | rBV6 | 175933 | 511028 | 19.26% | 1.979% |
| 48 | 16.775 | 2436 | 2442 | 2444 | rBV3 | 99201 | 194150 | 7.32% | 0.752% |

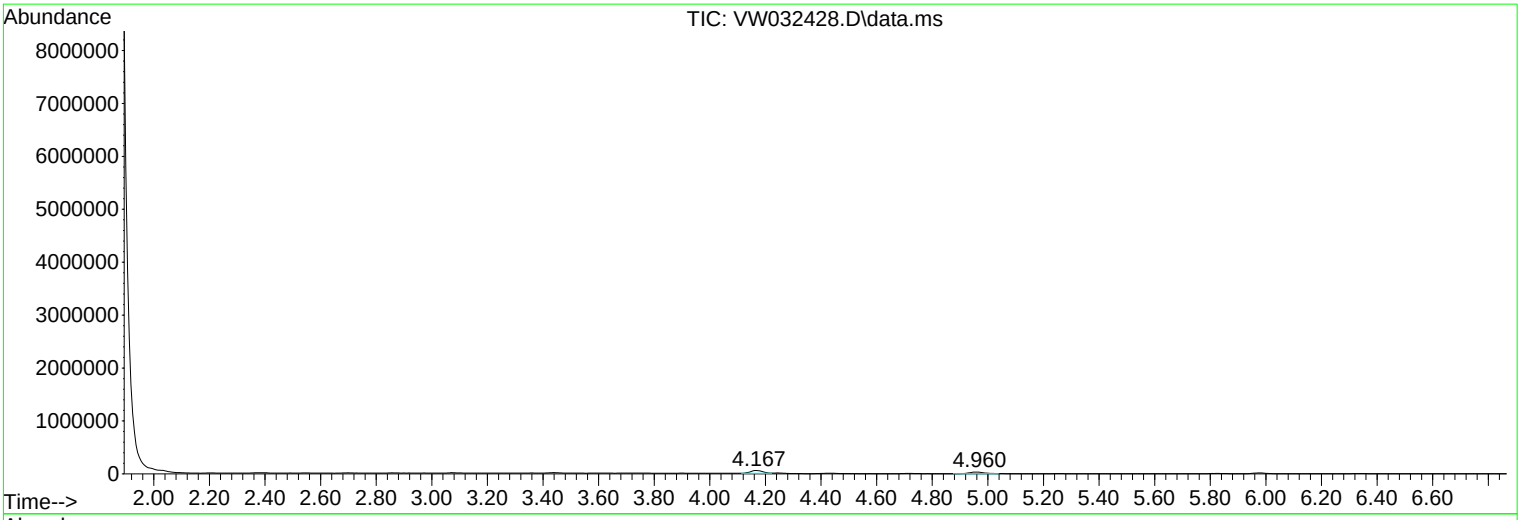
Sum of corrected areas: 25826419

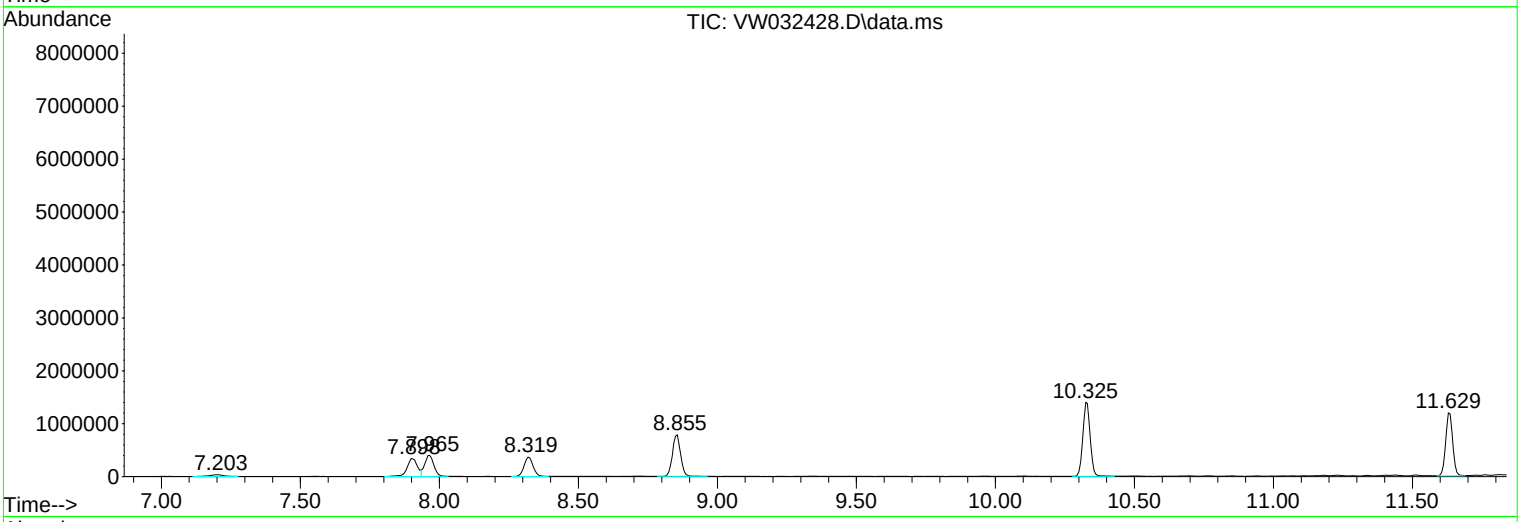
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

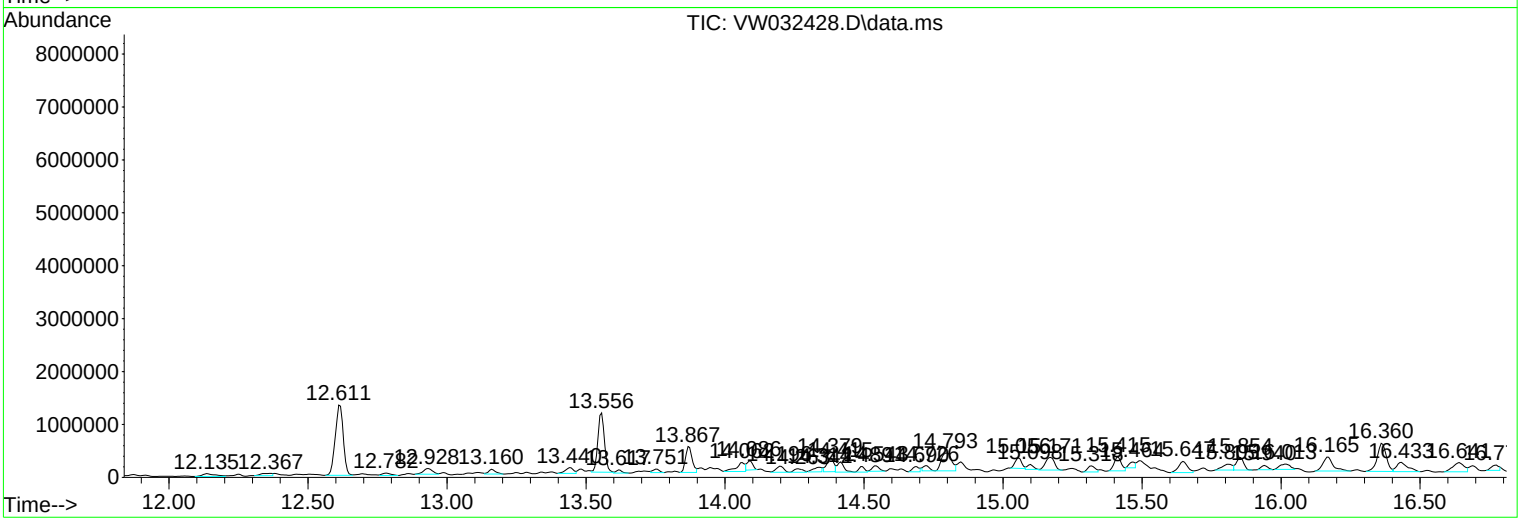
**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

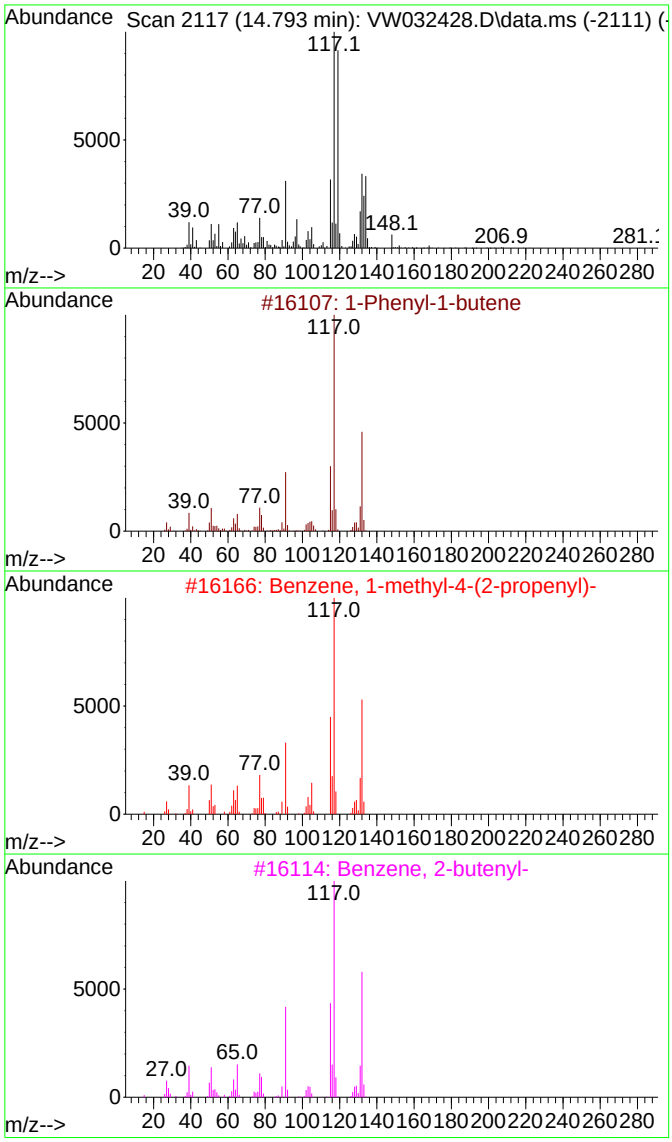
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

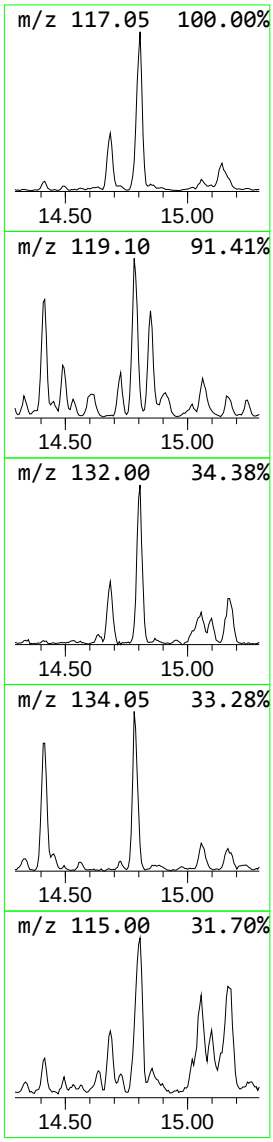
**********

Peak Number 2 1-Phenyl-1-butene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.793 | 24.59 ug/l | 901747 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 87 |
| 2 | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12 | 003333-13-9 | 80 |
| 3 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 70 |
| 4 | 1-Methyl-2-phenylcyclopropane | 132 | C10H12 | 003145-76-4 | 55 |
| 5 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 55 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

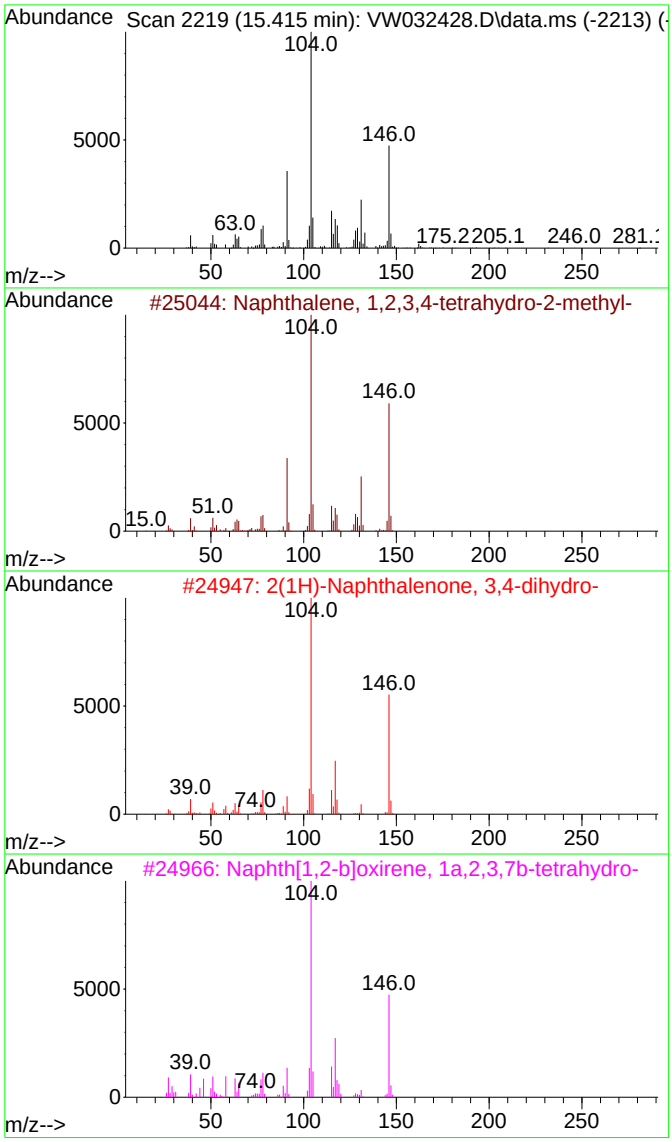
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TIC Integration Parameters: LSCINT.P

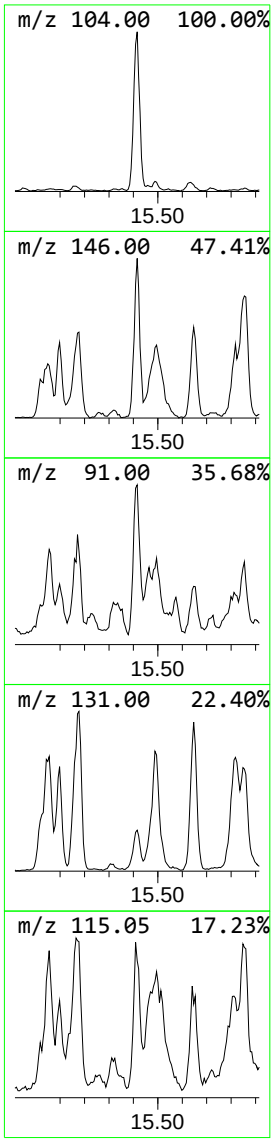
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Peak Number 4 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.415 | 13.25 ug/l | 485956 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 003877-19-8 | 96 |
| 2 | 2(1H)-Naphthalenone, 3,4-dihydro- | 146 | C10H10O | 000530-93-8 | 68 |
| 3 | Naphth[1,2-b]oxirene, 1a,2,3,7b-... | 146 | C10H10O | 002461-34-9 | 58 |
| 4 | Naphthalene, 2-ethyl-1,2,3,4-tet... | 160 | C12H16 | 032367-54-7 | 43 |
| 5 | Benzene, 3-cyclohexen-1-yl- | 158 | C12H14 | 004994-16-5 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

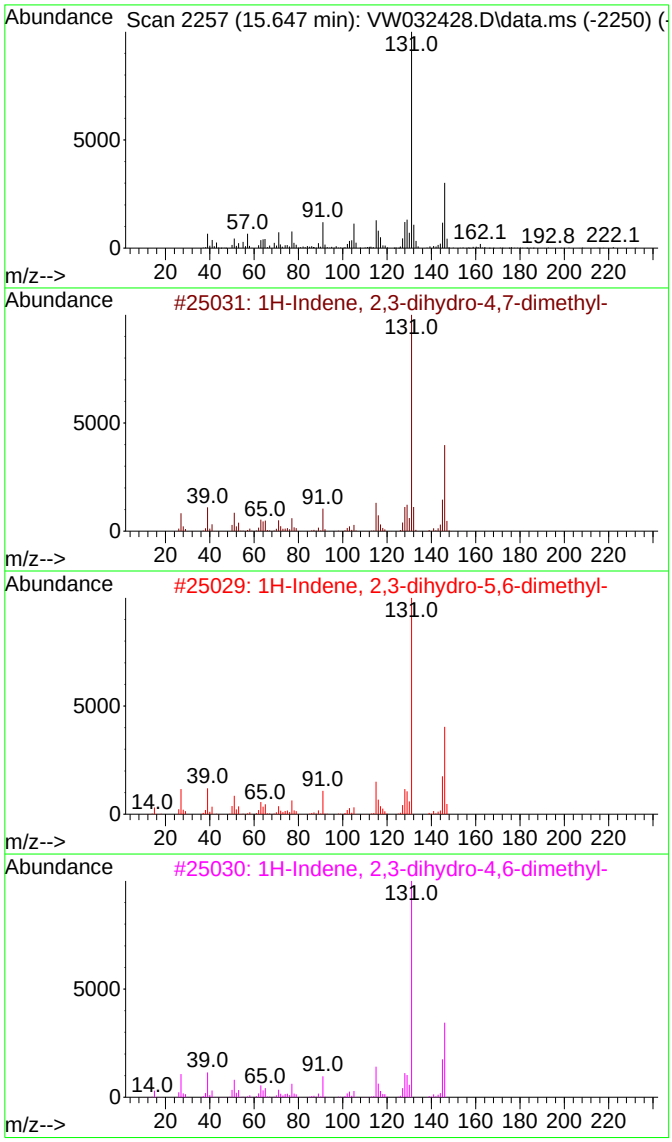
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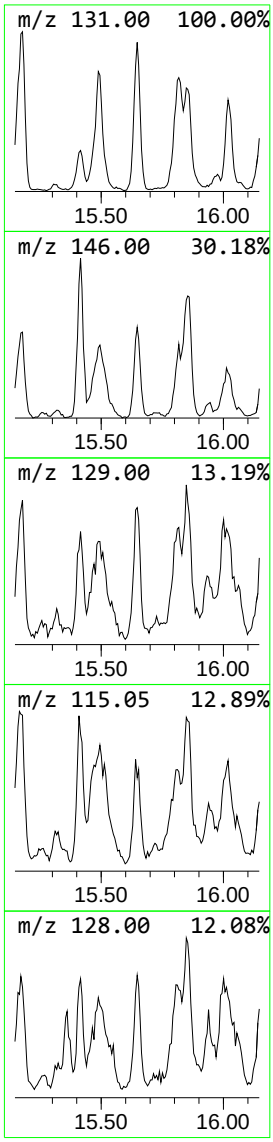
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Peak Number 5 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.647 | 13.44 ug/l | 492618 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 96 |
| 2 | 1H-Indene, 2,3-dihydro-5,6-dimet... | 146 | C11H14 | 001075-22-5 | 96 |
| 3 | 1H-Indene, 2,3-dihydro-4,6-dimet... | 146 | C11H14 | 001685-82-1 | 95 |
| 4 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 95 |
| 5 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 94 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-2

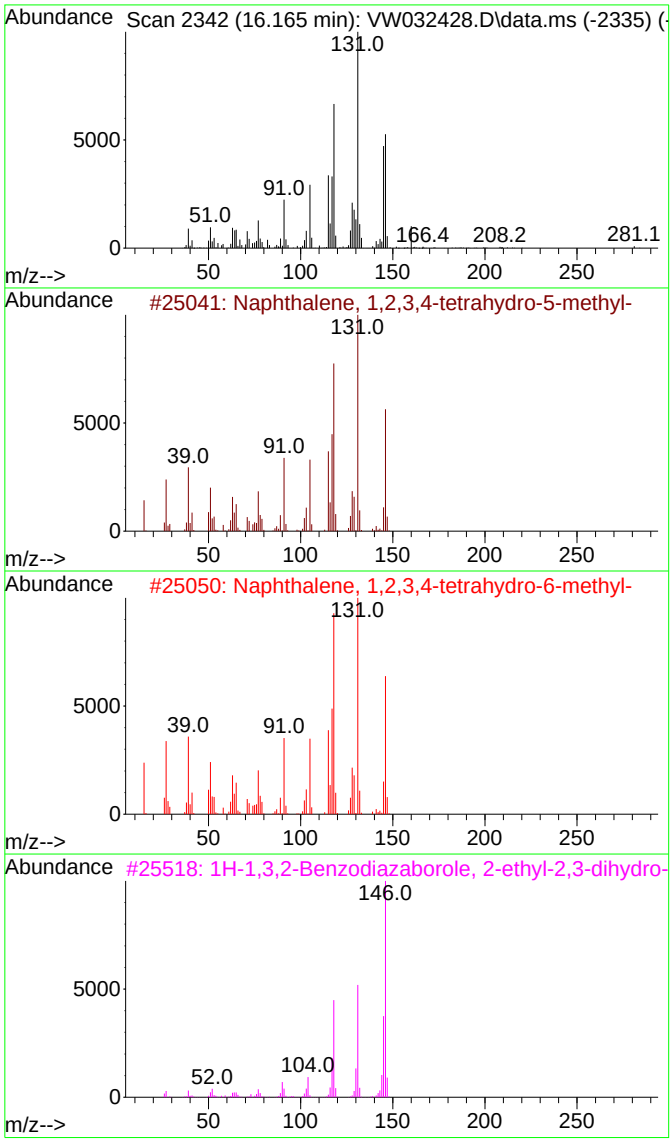
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

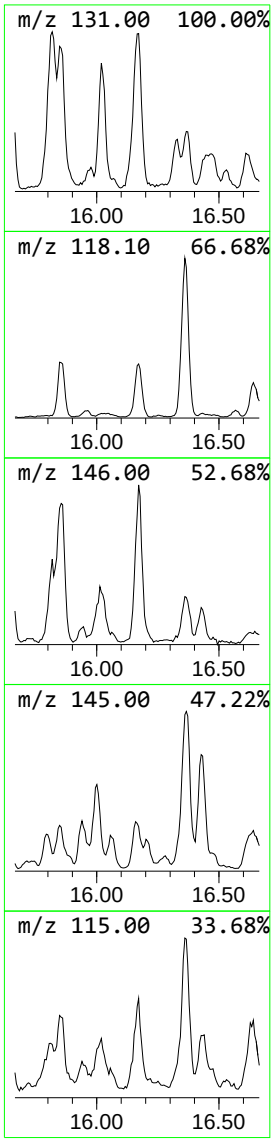
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.165 | 18.29 ug/l | 670468 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 002809-64-5 | 89 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001680-51-9 | 78 |
| 3 | 1H-1,3,2-Benzodiazaborole, 2-eth... | 146 | C8H11BN2 | 074663-81-3 | 68 |
| 4 | 2-Propyn-1-ol, 3-(4-methylphenyl)- | 146 | C10H10O | 016017-24-6 | 58 |
| 5 | 1H-Benzimidazole, 5,6-dimethyl- | 146 | C9H10N2 | 000582-60-5 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-2

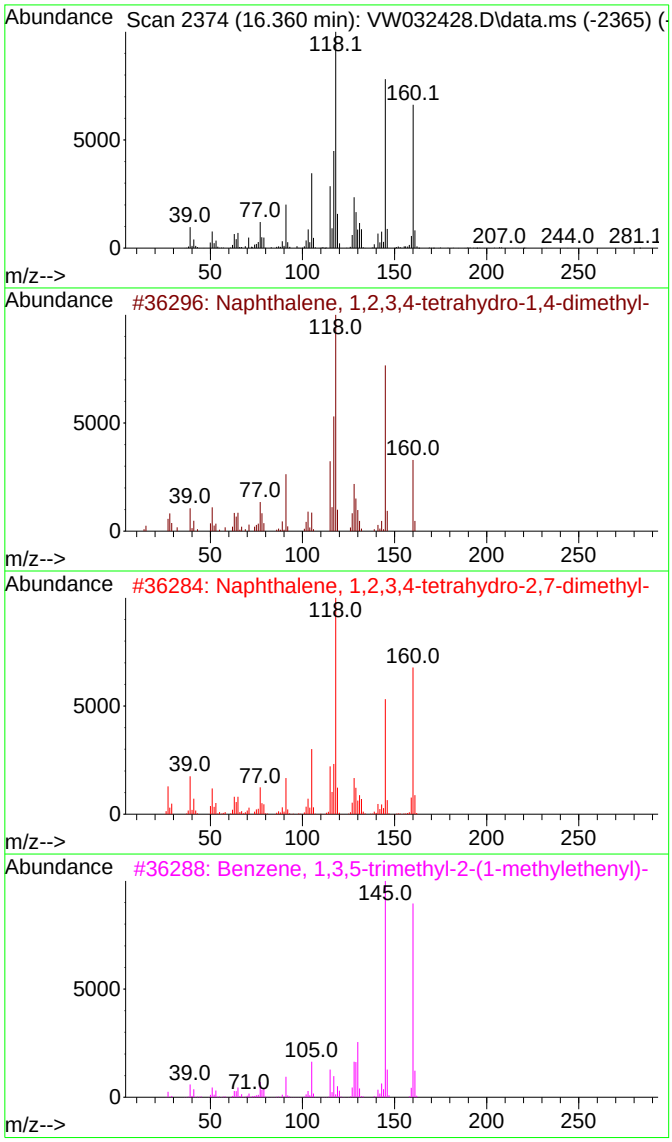
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Quant Title : SW846 8260

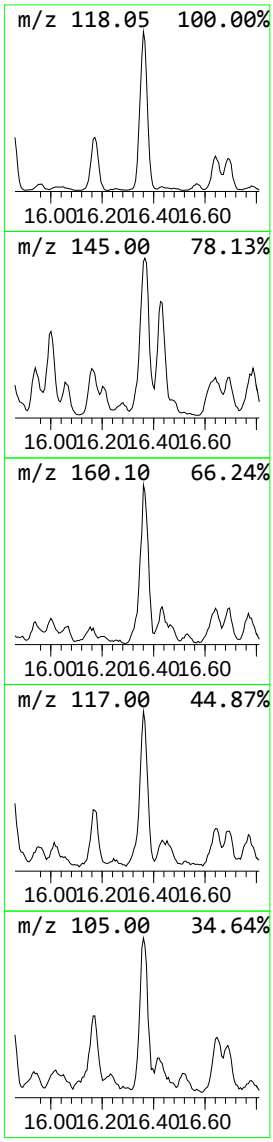
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.360 | 32.84 ug/l | 1204150 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 004175-54-6 | 97 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 013065-07-1 | 91 |
| 3 | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 | C12H16 | 014679-13-1 | 70 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 007524-63-2 | 64 |
| 5 | 1(2H)-Naphthalenone, 3,4-dihydro... | 160 | C11H12O | 014944-23-1 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-2

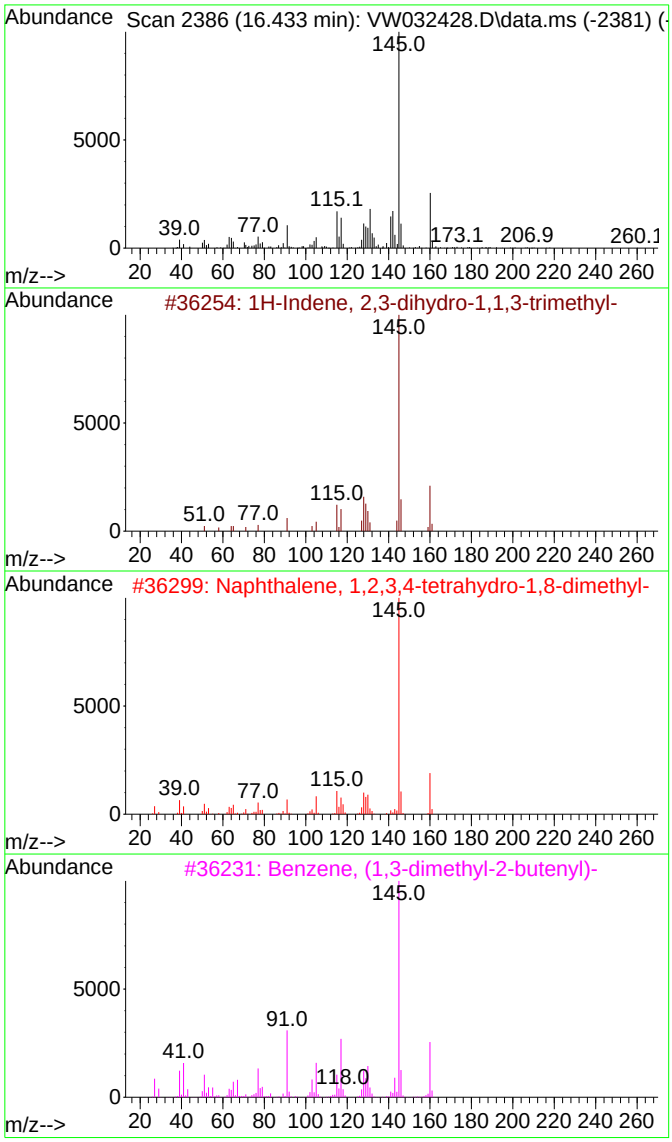
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

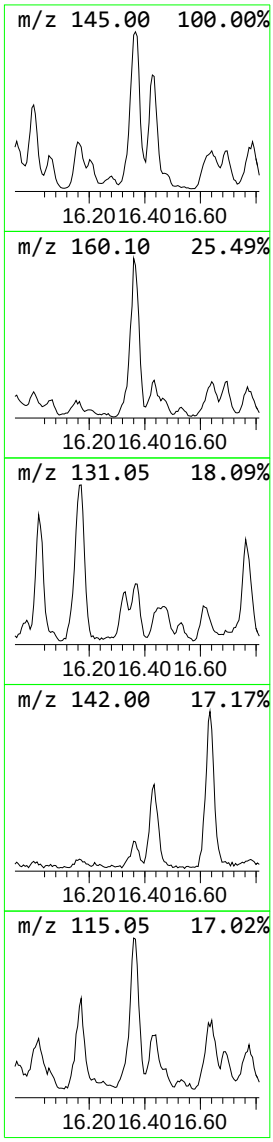
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.433 | 13.36 ug/l | 489977 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,1,3-tri... | 160 | C12H16 | 002613-76-5 | 87 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 025419-33-4 | 87 |
| 3 | Benzene, (1,3-dimethyl-2-butenyl)- | 160 | C12H16 | 050704-01-3 | 87 |
| 4 | 1H-Indene, 2,3-dihydro-1,1,5-tri... | 160 | C12H16 | 040650-41-7 | 81 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 001985-59-7 | 81 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032428.D
Acq On : 11 Nov 2025 14:15
Operator : SY/MD
Sample : Q3586-02
Misc : 7.66g/5mL/MSVOA_W/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
SED-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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 |
| 1-Phenyl-1-butene | 14.793 | 24.6 | ug/l | 901747 | 4 | 13.556 | 1833340 | 50.0 |
| Naphthalene, 1,... | 15.415 | 13.3 | ug/l | 485956 | 4 | 13.556 | 1833340 | 50.0 |
| 1H-Indene, 2,3-... | 15.647 | 13.4 | ug/l | 492618 | 4 | 13.556 | 1833340 | 50.0 |
| Naphthalene, 1,... | 16.165 | 18.3 | ug/l | 670468 | 4 | 13.556 | 1833340 | 50.0 |
| Naphthalene, 1,... | 16.360 | 32.8 | ug/l | 1204150 | 4 | 13.556 | 1833340 | 50.0 |
| 1H-Indene, 2,3-... | 16.433 | 13.4 | ug/l | 489977 | 4 | 13.556 | 1833340 | 50.0 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023760.D
Acq On : 12 Nov 2025 13:38
Operator : SY/MD
Sample : Q3586-02RE
Misc : 8.48g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-2RE

Quant Time: Nov 14 03:38:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

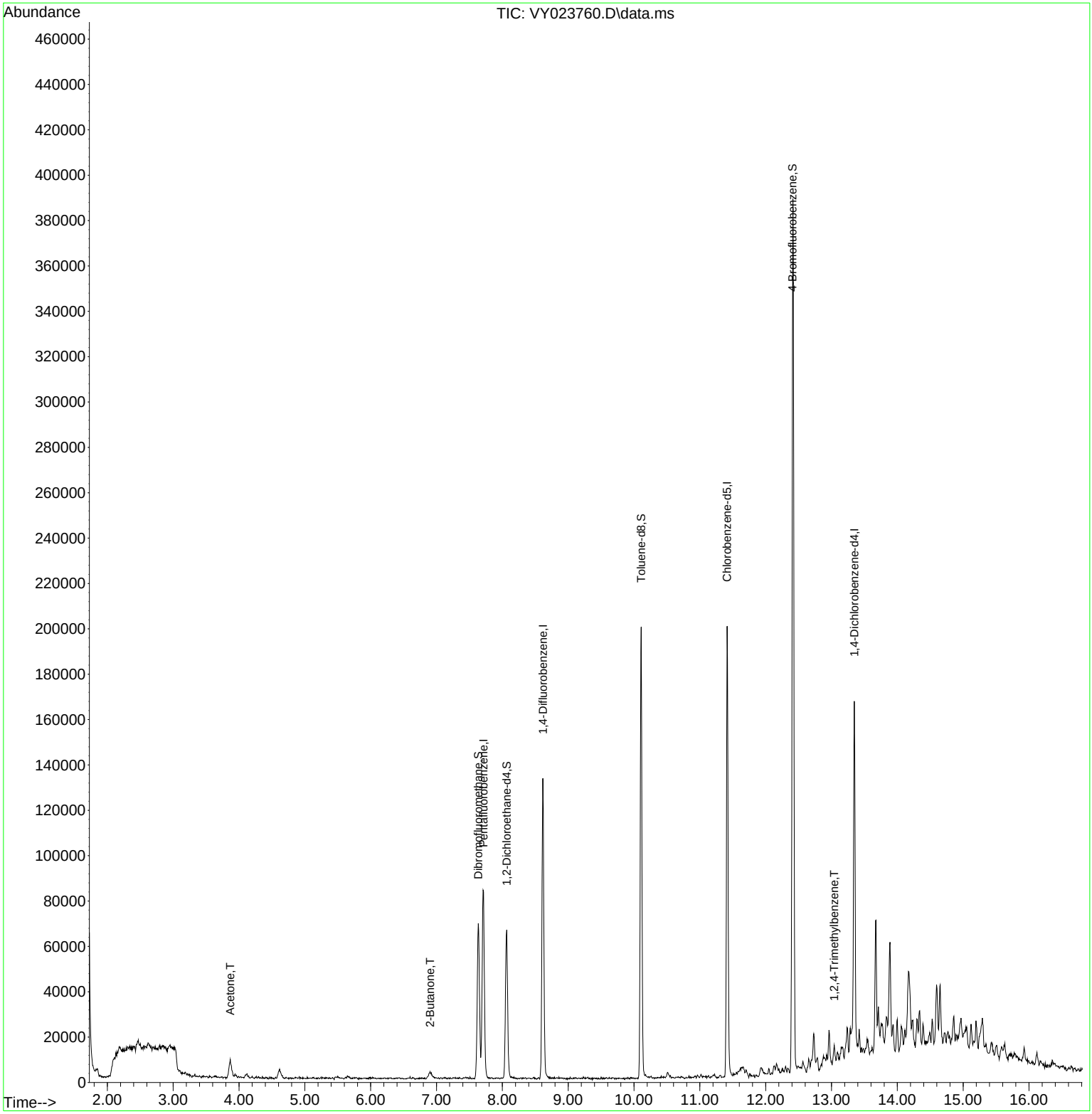
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 69400 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.616 | 114 | 117751 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 115570 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 41947 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.067 | 65 | 52364 | 88.454 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 176.900%# | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 48847 | 66.380 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 132.760% | | | |
| 50) Toluene-d8 | 10.109 | 98 | 134169 | 48.946 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 97.900% | | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 41670 | 47.007 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 94.020% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 3.866 | 43 | 12535 | 85.185 | ug/l | 98 |
| 25) 2-Butanone | 6.902 | 43 | 4155 | 24.422 | ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.042 | 105 | 4652 | 2.061 | ug/l | 94 |

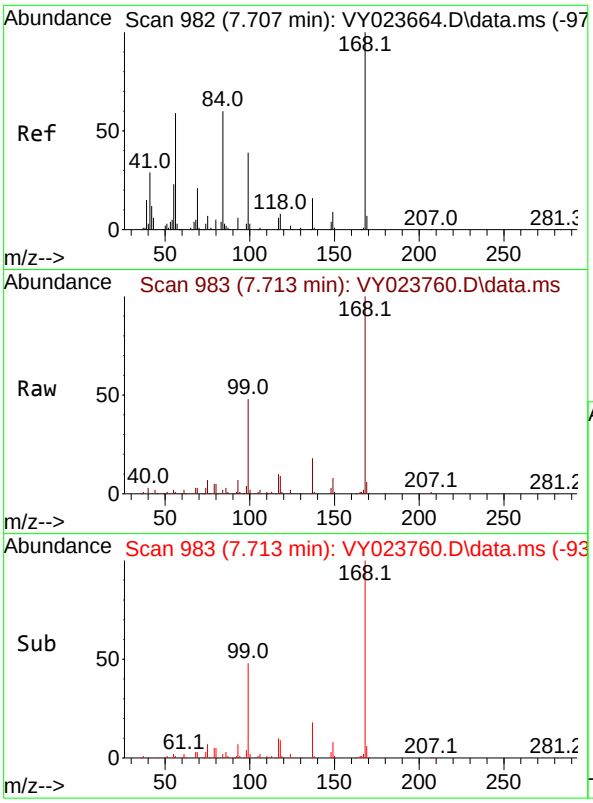
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023760.D
Acq On : 12 Nov 2025 13:38
Operator : SY/MD
Sample : Q3586-02RE
Misc : 8.48g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-2RE

Quant Time: Nov 14 03:38:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration



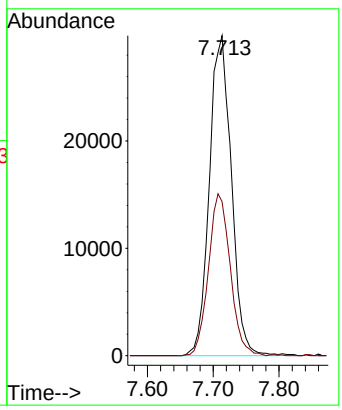


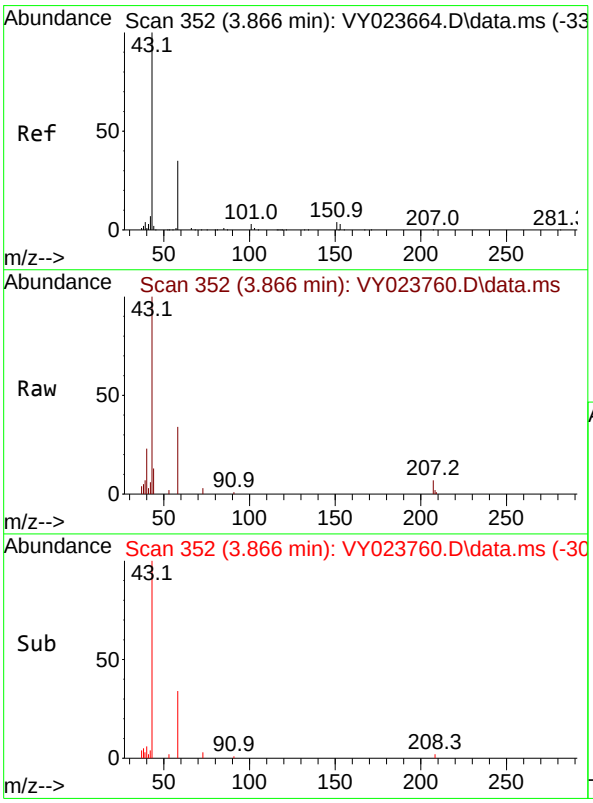

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-2RE

Tgt Ion:168 Resp: 69400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 48.1 | 41.0 | 61.4 |

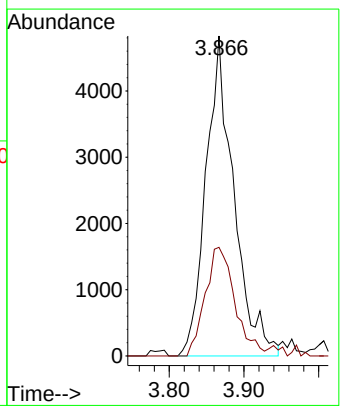


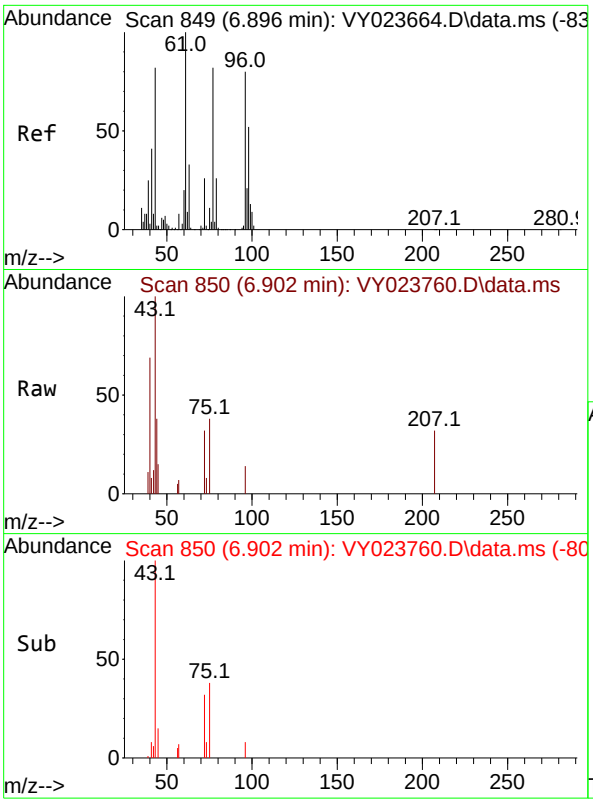




#16
Acetone
Concen: 85.185 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Tgt Ion: 43 Resp: 12535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.0 | 28.2 | 42.4 |



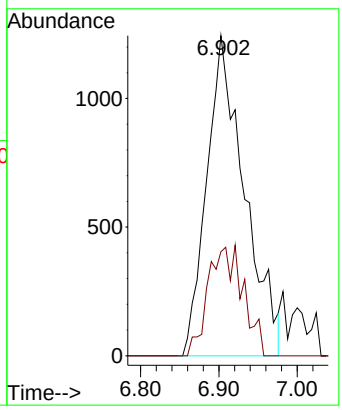


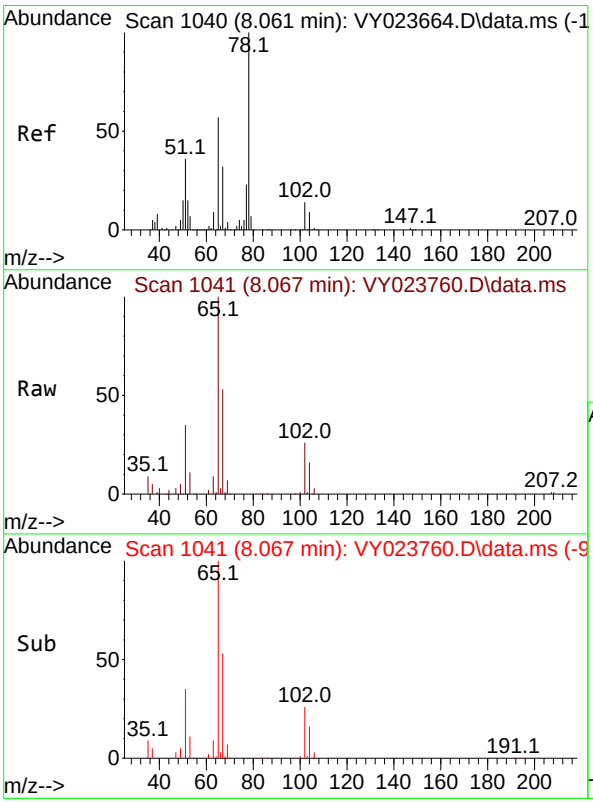

#25
2-Butanone
Concen: 24.422 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-2RE

Tgt Ion: 43 Resp: 4155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 32.5 | 25.7 | 38.5 |

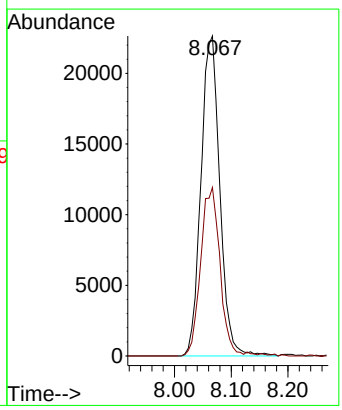


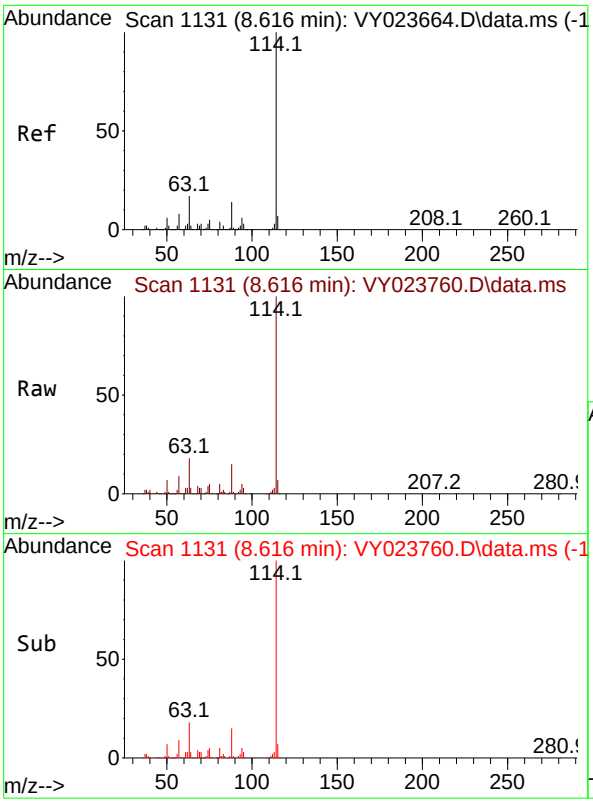




#33
1,2-Dichloroethane-d4
Concen: 88.454 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Tgt Ion: 65 Resp: 52364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.5 | 0.0 | 107.4 |



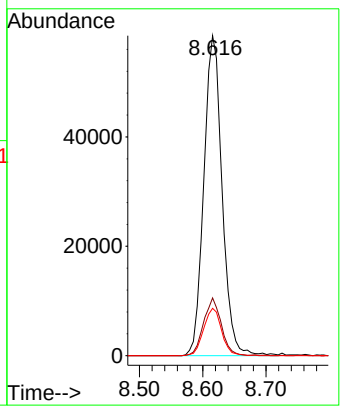


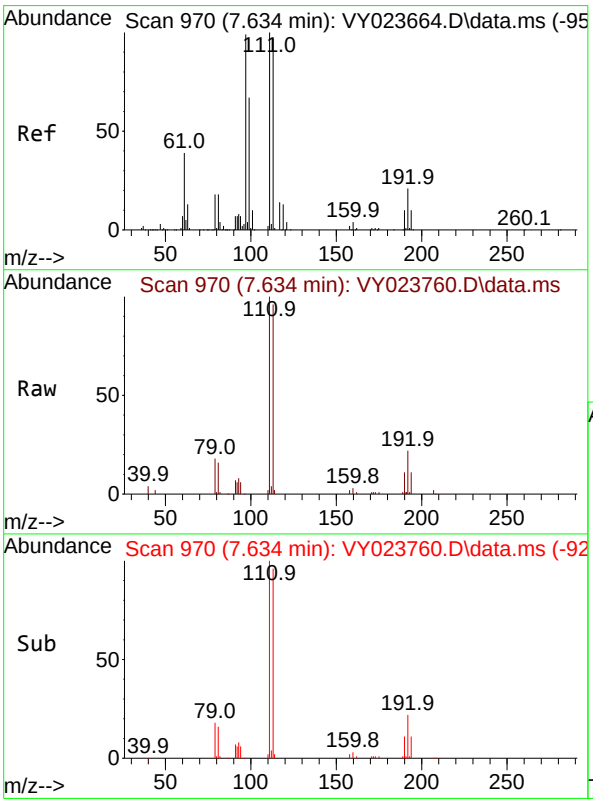

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-2RE

Tgt Ion:114 Resp: 117751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.0 | 0.0 | 33.8 |
| 88 | 14.8 | 0.0 | 29.0 |

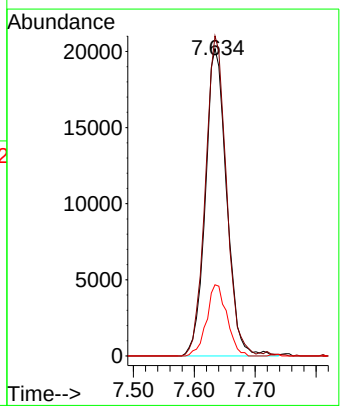


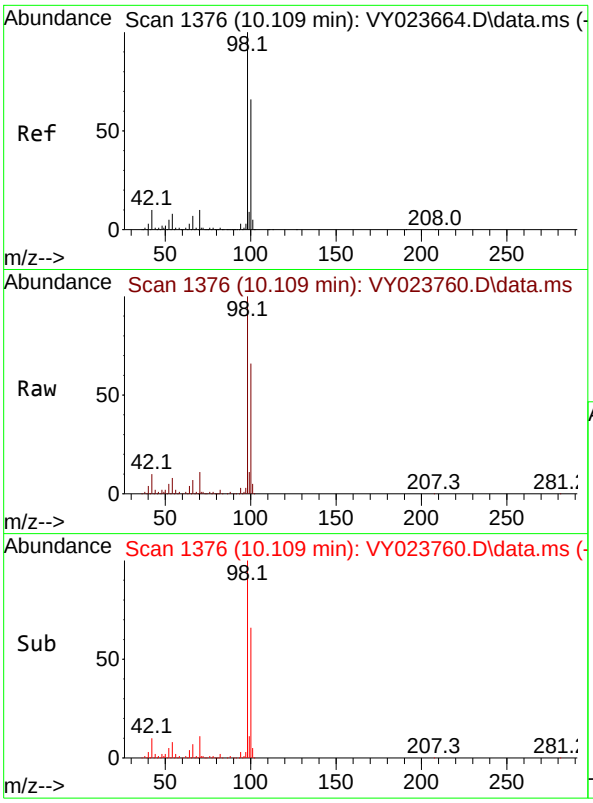




#35
Dibromofluoromethane
Concen: 66.380 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Tgt Ion:113 Resp: 48847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.8 | 82.2 | 123.4 |
| 192 | 22.1 | 17.3 | 25.9 |



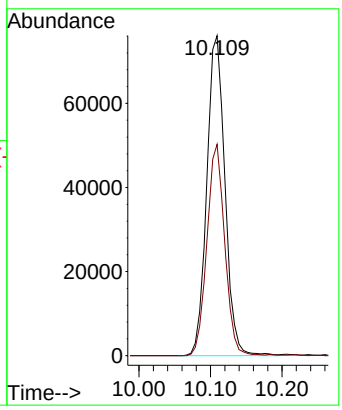


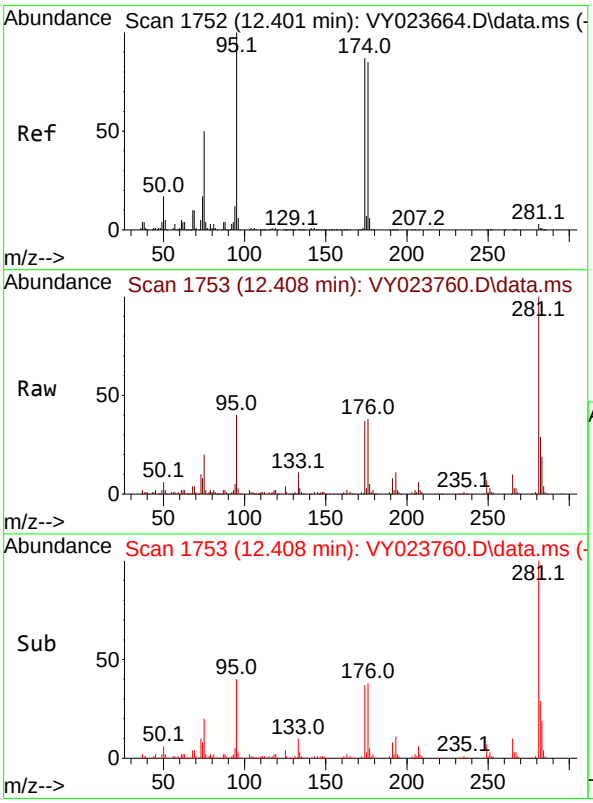

#50
Toluene-d8
Concen: 48.946 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-2RE

Tgt Ion: 98 Resp: 134169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.7 | 52.7 | 79.1 |

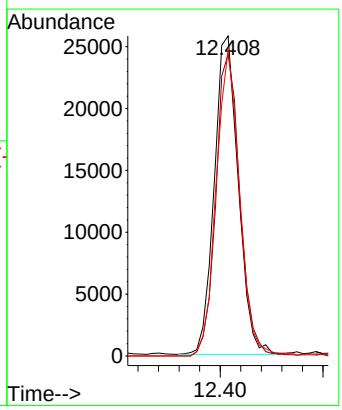


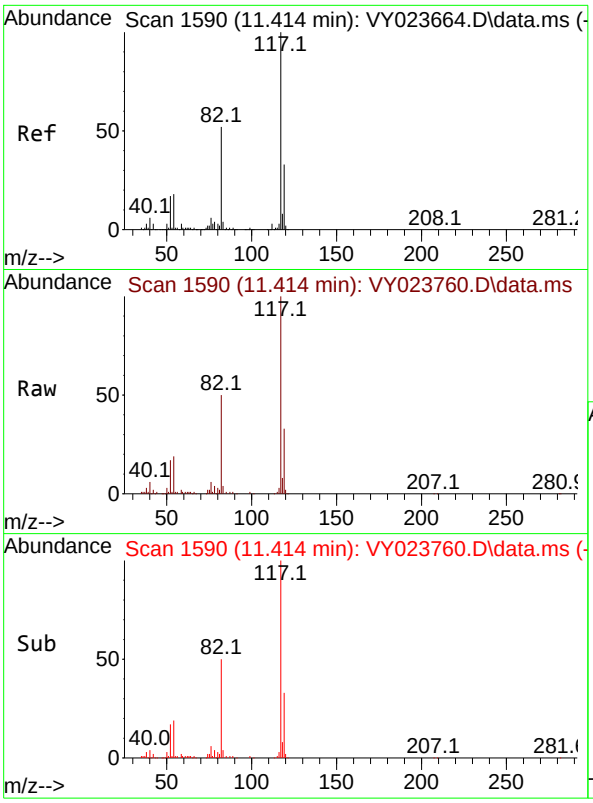




#62
4-Bromofluorobenzene
Concen: 47.007 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Tgt Ion: 95 Resp: 41670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 94.7 | 0.0 | 184.8 |
| 176 | 93.7 | 0.0 | 181.6 |



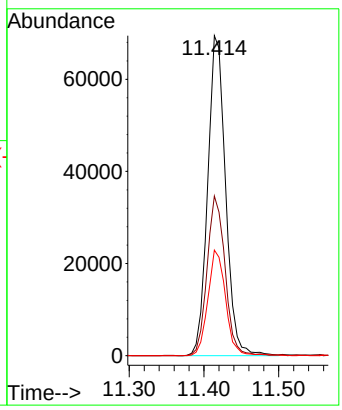


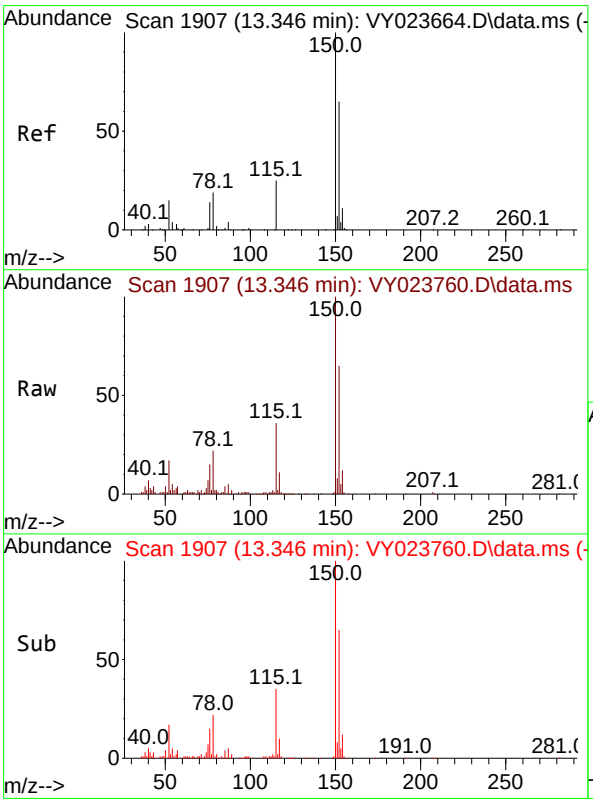

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-2RE

Tgt Ion:117 Resp: 115570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 49.9 | 41.2 | 61.8 |
| 119 | 33.0 | 26.2 | 39.2 |

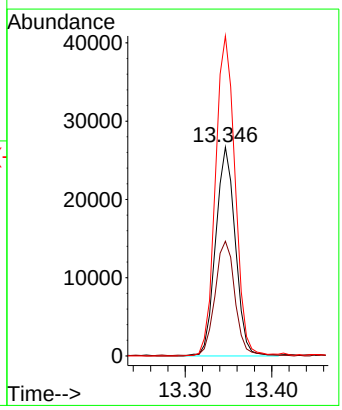


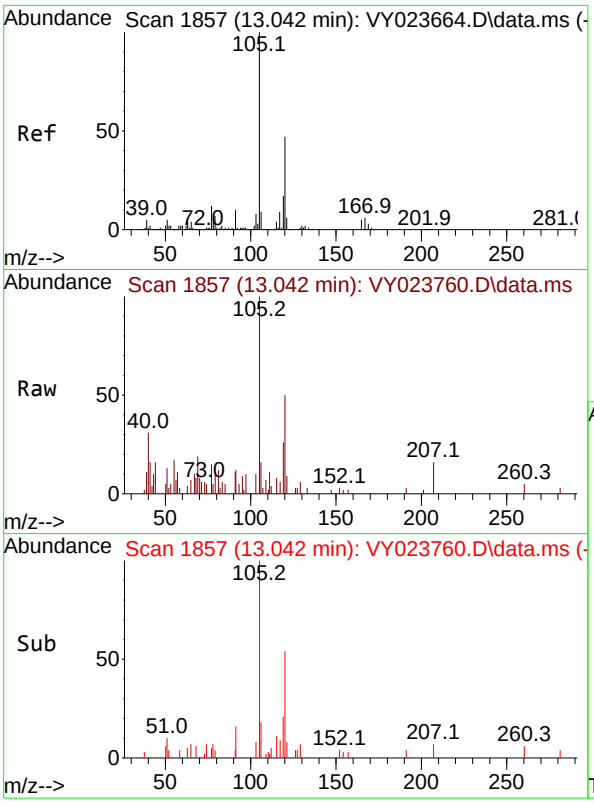




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

Tgt Ion:152 Resp: 41947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 56.3 | 27.5 | 82.5 |
| 150 | 153.6 | 0.0 | 349.0 |



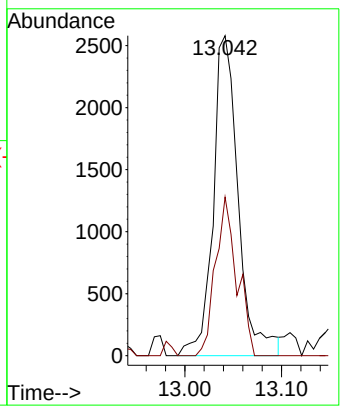



#84
1,2,4-Trimethylbenzene
Concen: 2.061 ug/l
RT: 13.042 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023760.D
Acq: 12 Nov 2025 13:38

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-2RE

Tgt Ion:105 Resp: 4652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.6 | 23.2 | 69.6 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023761.D
Acq On : 12 Nov 2025 14:01
Operator : SY/MD
Sample : Q3586-03
Misc : 6.46g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-3

Quant Time: Nov 14 03:38:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

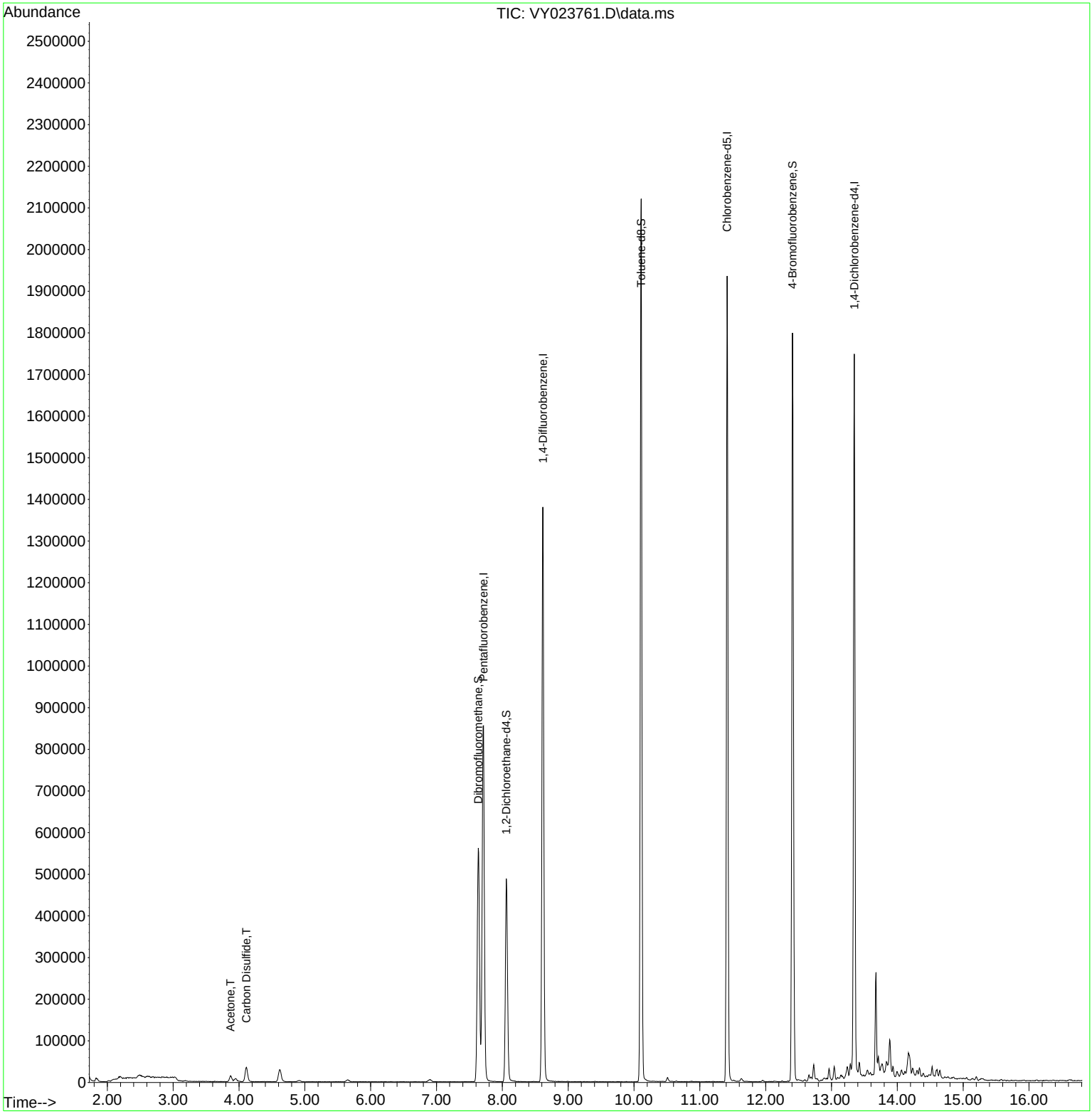
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 715841 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.616 | 114 | 1241972 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 1078013 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 465632 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 379494 | 62.149 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 124.300% | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 407574 | 52.512 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 105.020% | | | |
| 50) Toluene-d8 | 10.109 | 98 | 1406469 | 48.646 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 97.300% | | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 430192 | 46.010 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 92.020% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 3.873 | 43 | 23954 | 15.782 | ug/l | 93 |
| 17) Carbon Disulfide | 4.110 | 76 | 71109 | 3.622 | ug/l | 98 |

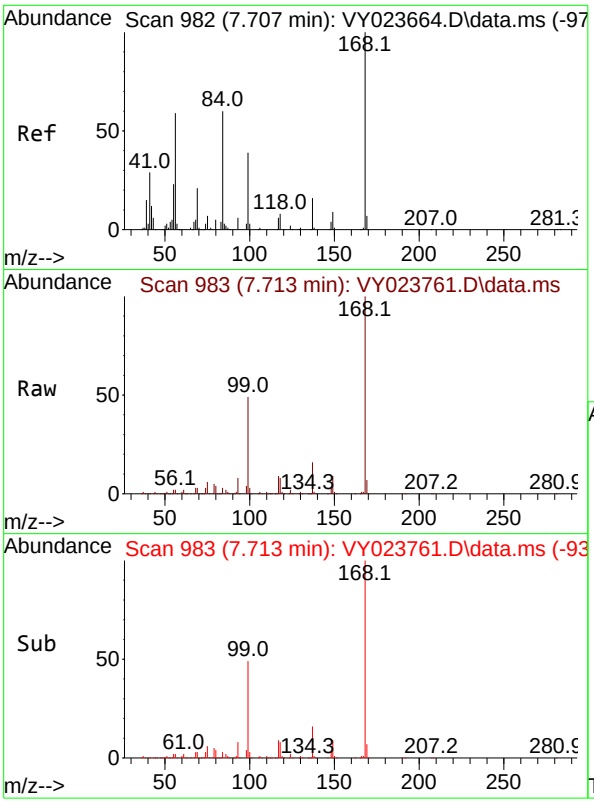
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023761.D
Acq On : 12 Nov 2025 14:01
Operator : SY/MD
Sample : Q3586-03
Misc : 6.46g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-3

Quant Time: Nov 14 03:38:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration



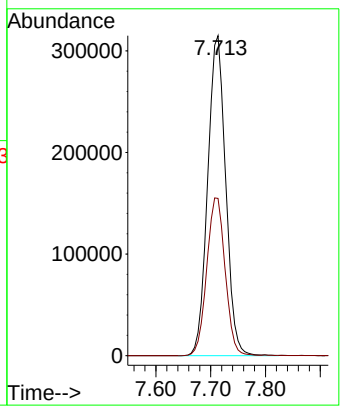


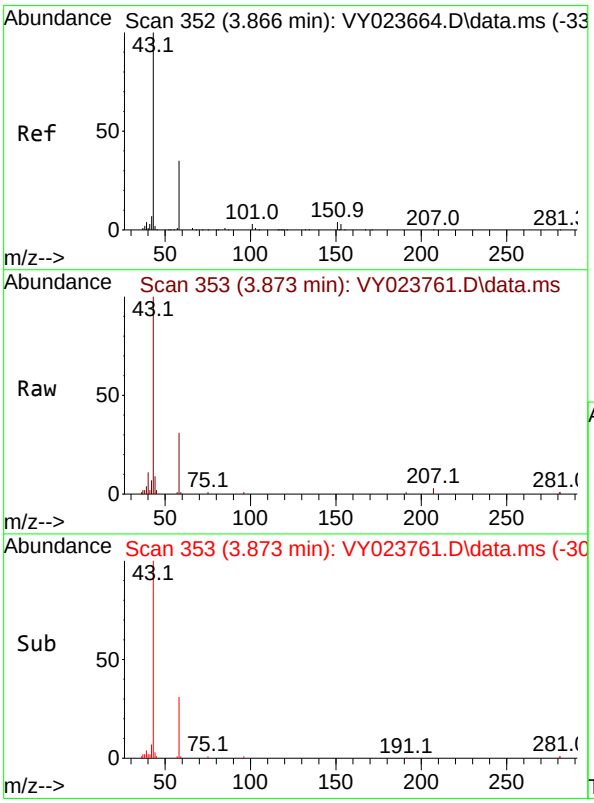

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-3

Tgt Ion:168 Resp: 715841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 49.1 | 41.0 | 61.4 |

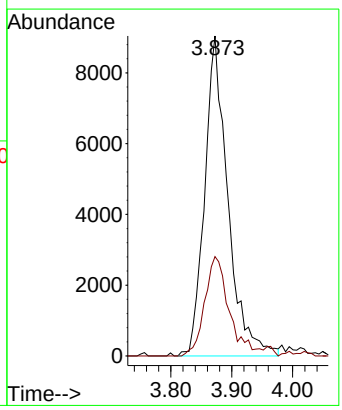



#16
Acetone
Concen: 15.782 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

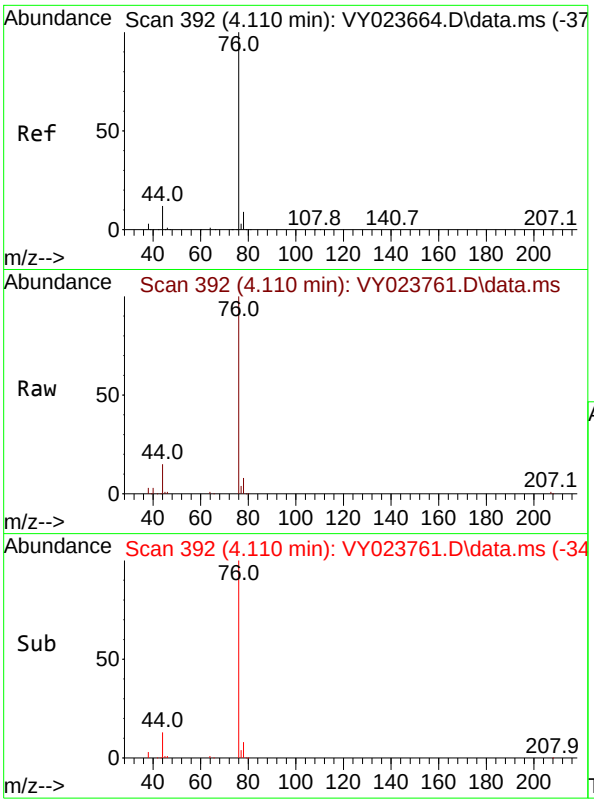
Tgt Ion: 43 Resp: 23954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.1 | 28.2 | 42.4 |



5

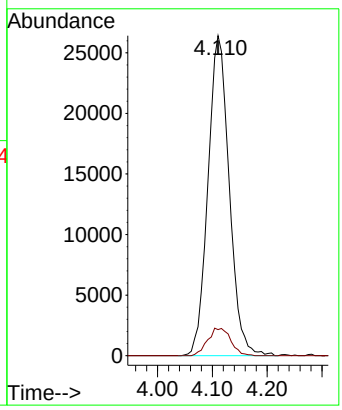
**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-3

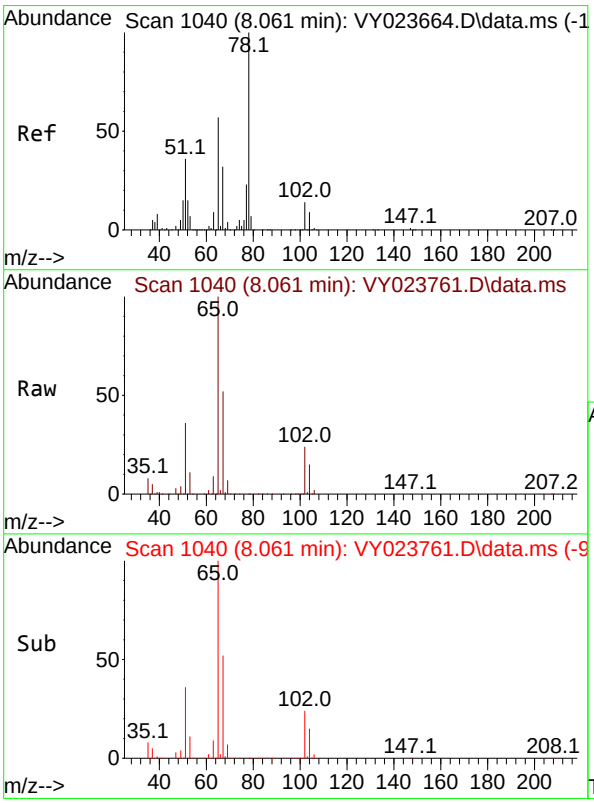



#17
Carbon Disulfide
Concen: 3.622 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

Tgt Ion: 76 Resp: 71109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.2 | 7.1 | 10.7 |

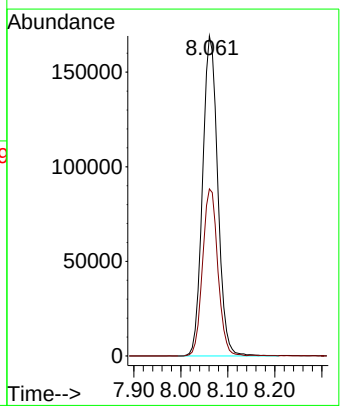


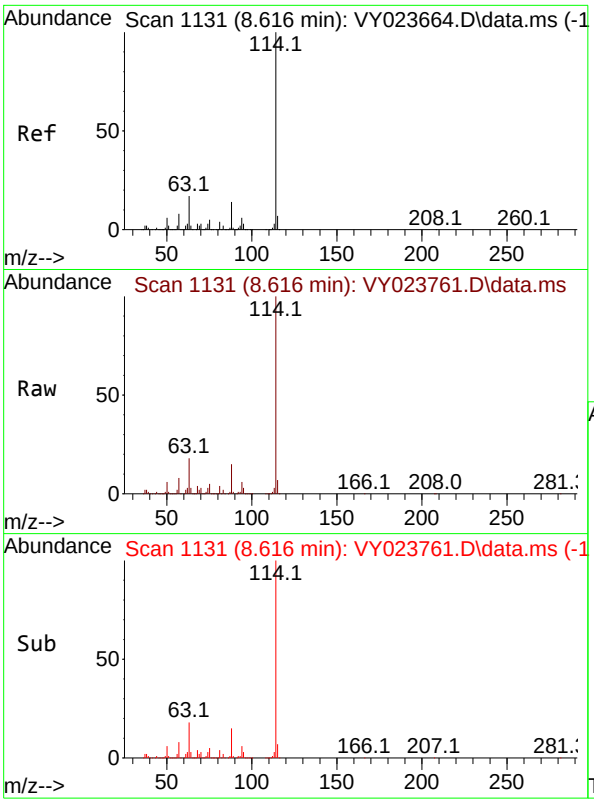




#33
1,2-Dichloroethane-d4
Concen: 62.149 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

Tgt Ion: 65 Resp: 379494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.3 | 0.0 | 107.4 |



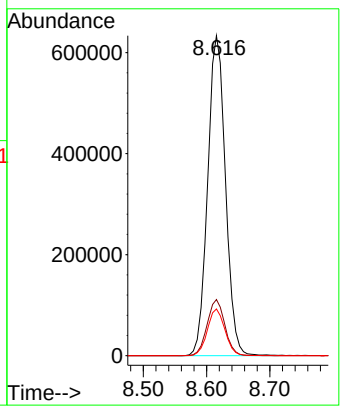


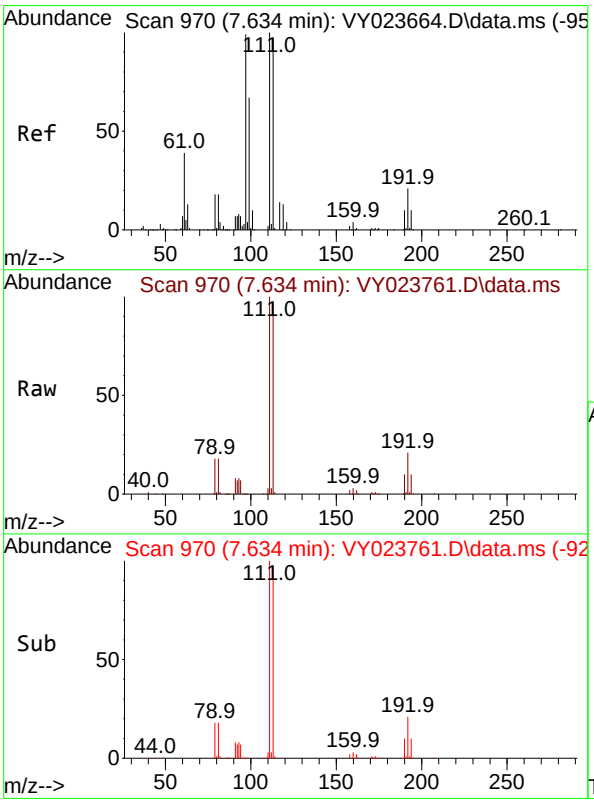

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-3

Tgt Ion:114 Resp: 1241972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 17.5 | 0.0 | 33.8 |
| 88 | 14.6 | 0.0 | 29.0 |

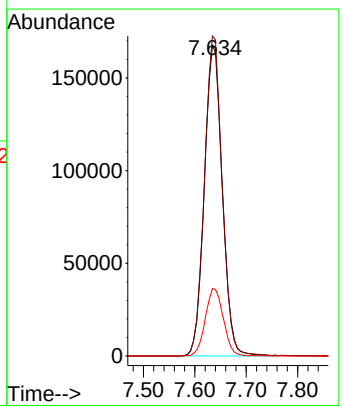


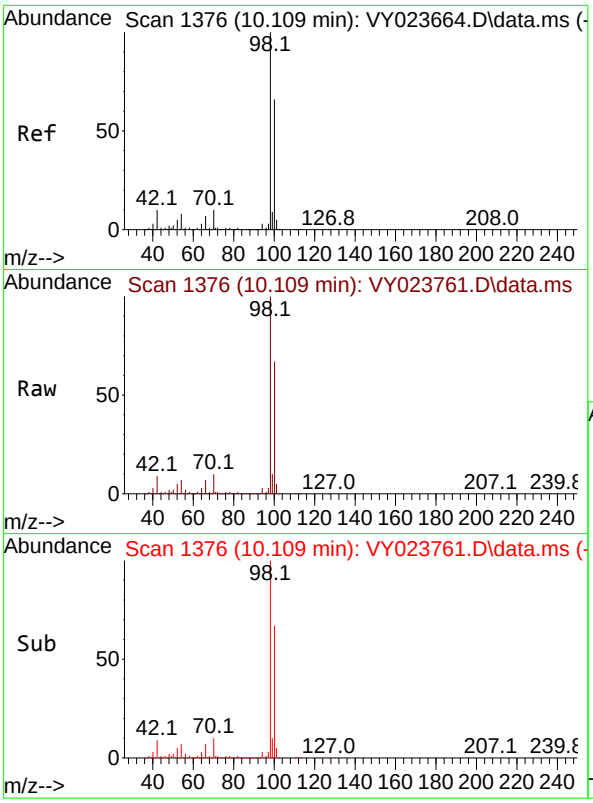




#35
Dibromofluoromethane
Concen: 52.512 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

Tgt Ion:113 Resp: 407574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.0 | 82.2 | 123.4 |
| 192 | 21.8 | 17.3 | 25.9 |



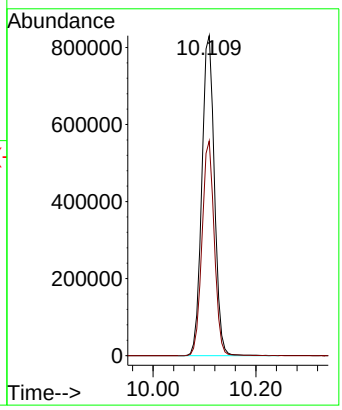


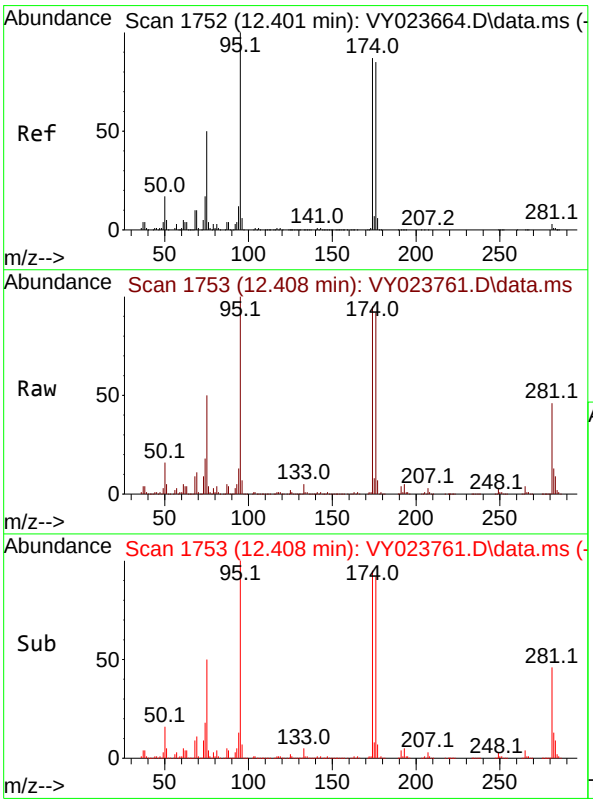

#50
Toluene-d8
Concen: 48.646 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-3

Tgt Ion: 98 Resp: 1406469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.6 | 52.7 | 79.1 |

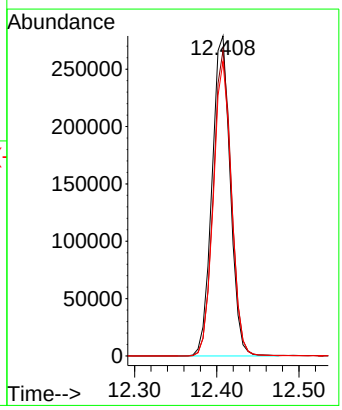


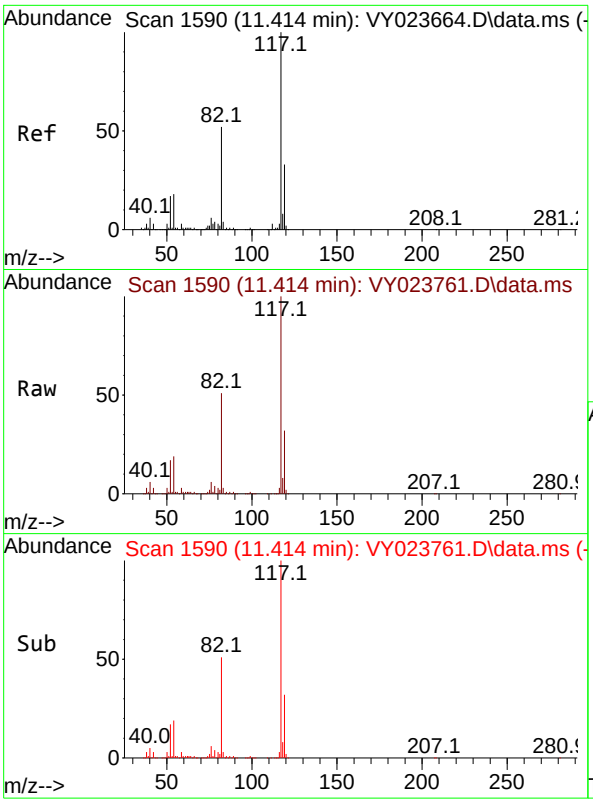




#62
4-Bromofluorobenzene
Concen: 46.010 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

Tgt Ion: 95 Resp: 430192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 94.6 | 0.0 | 184.8 |
| 176 | 91.5 | 0.0 | 181.6 |



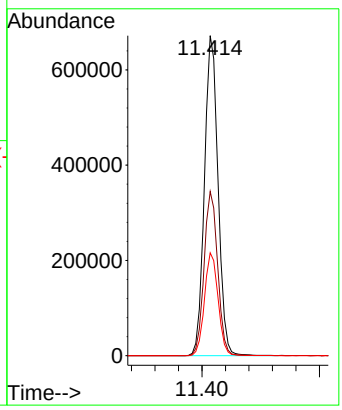


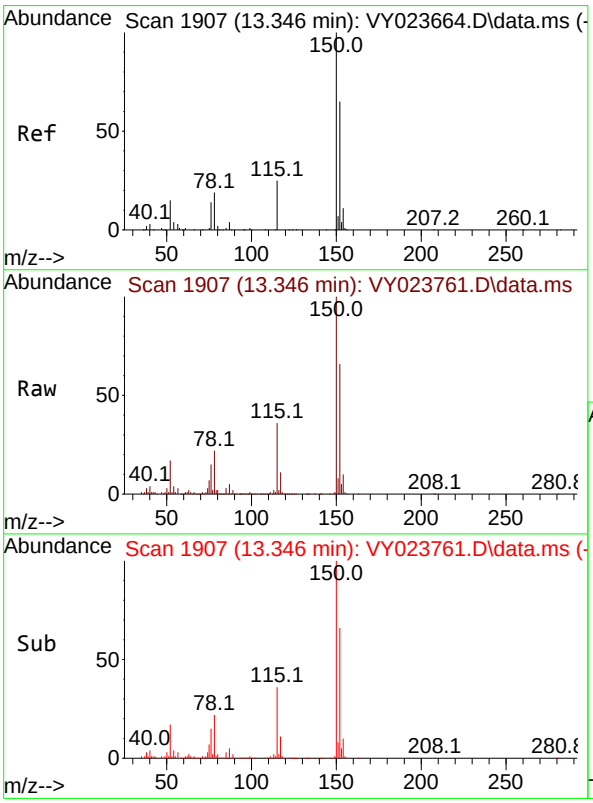

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-3

Tgt Ion:117 Resp: 1078013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 51.3 | 41.2 | 61.8 |
| 119 | 32.2 | 26.2 | 39.2 |

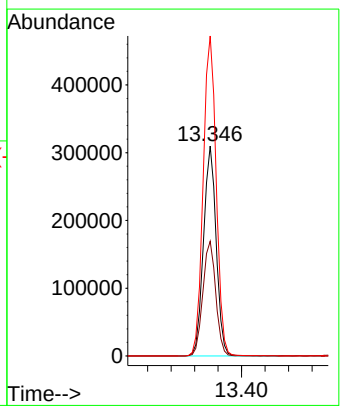



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

Tgt Ion:152 Resp: 465632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 55.6 | 27.5 | 82.5 |
| 150 | 156.3 | 0.0 | 349.0 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023761.D
Acq On : 12 Nov 2025 14:01
Operator : SY/MD
Sample : Q3586-03
Misc : 6.46g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-3

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Title : SW846 8260

Signal : TIC: VY023761.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.110 | 381 | 392 | 404 | rBV2 | 34828 | 95827 | 2.66% | 0.453% |
| 2 | 4.616 | 464 | 475 | 490 | rBV2 | 29087 | 91260 | 2.53% | 0.432% |
| 3 | 7.634 | 959 | 970 | 976 | rBV | 560873 | 1344189 | 37.28% | 6.359% |
| 4 | 7.713 | 976 | 983 | 1001 | rVB | 854074 | 1990198 | 55.20% | 9.415% |
| 5 | 8.061 | 1031 | 1040 | 1056 | rBV | 487298 | 1086787 | 30.14% | 5.141% |
| 6 | 8.616 | 1122 | 1131 | 1143 | rBV | 1380075 | 2704122 | 75.00% | 12.792% |
| 7 | 10.109 | 1366 | 1376 | 1393 | rBV | 2120006 | 3605483 | 100.00% | 17.057% |
| 8 | 11.414 | 1581 | 1590 | 1603 | rBV | 1934718 | 3113839 | 86.36% | 14.731% |
| 9 | 12.408 | 1743 | 1753 | 1764 | rBV2 | 1797339 | 3227535 | 89.52% | 15.269% |
| 10 | 12.731 | 1802 | 1806 | 1811 | rVB2 | 34537 | 51301 | 1.42% | 0.243% |
| 11 | 12.962 | 1840 | 1844 | 1850 | rVB2 | 27341 | 42212 | 1.17% | 0.200% |
| 12 | 13.042 | 1851 | 1857 | 1862 | rBV | 31860 | 49677 | 1.38% | 0.235% |
| 13 | 13.237 | 1881 | 1889 | 1893 | rBV5 | 28283 | 61873 | 1.72% | 0.293% |
| 14 | 13.285 | 1893 | 1897 | 1899 | rVV2 | 31960 | 45360 | 1.26% | 0.215% |
| 15 | 13.346 | 1899 | 1907 | 1916 | rVV | 1733263 | 2727843 | 75.66% | 12.905% |
| 16 | 13.420 | 1916 | 1919 | 1923 | rVB2 | 29068 | 41203 | 1.14% | 0.195% |
| 17 | 13.676 | 1955 | 1961 | 1965 | rBV | 245684 | 357345 | 9.91% | 1.691% |
| 18 | 13.712 | 1965 | 1967 | 1971 | rVV2 | 43341 | 58861 | 1.63% | 0.278% |
| 19 | 13.767 | 1971 | 1976 | 1981 | rVV7 | 25985 | 62604 | 1.74% | 0.296% |
| 20 | 13.834 | 1983 | 1987 | 1990 | rVV4 | 31064 | 58689 | 1.63% | 0.278% |
| 21 | 13.883 | 1991 | 1995 | 2001 | rVV3 | 83647 | 154371 | 4.28% | 0.730% |
| 22 | 14.169 | 2036 | 2042 | 2049 | rBV8 | 49585 | 131666 | 3.65% | 0.623% |
| 23 | 14.602 | 2108 | 2113 | 2117 | rVV6 | 18323 | 36146 | 1.00% | 0.171% |

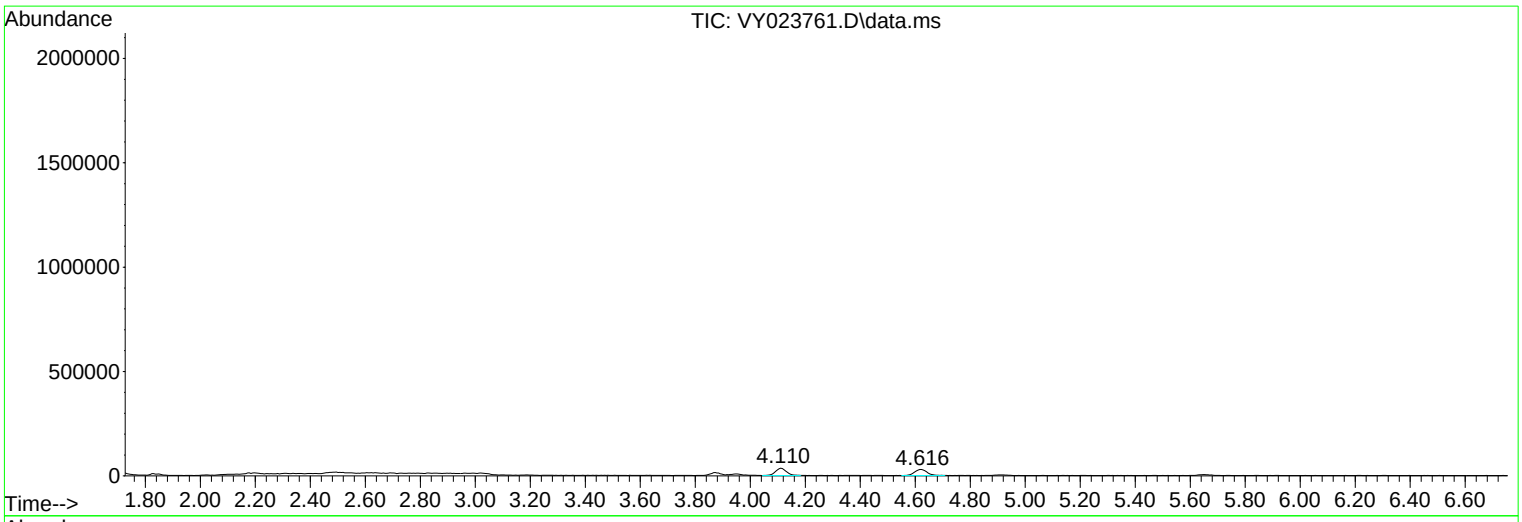
Sum of corrected areas: 21138391

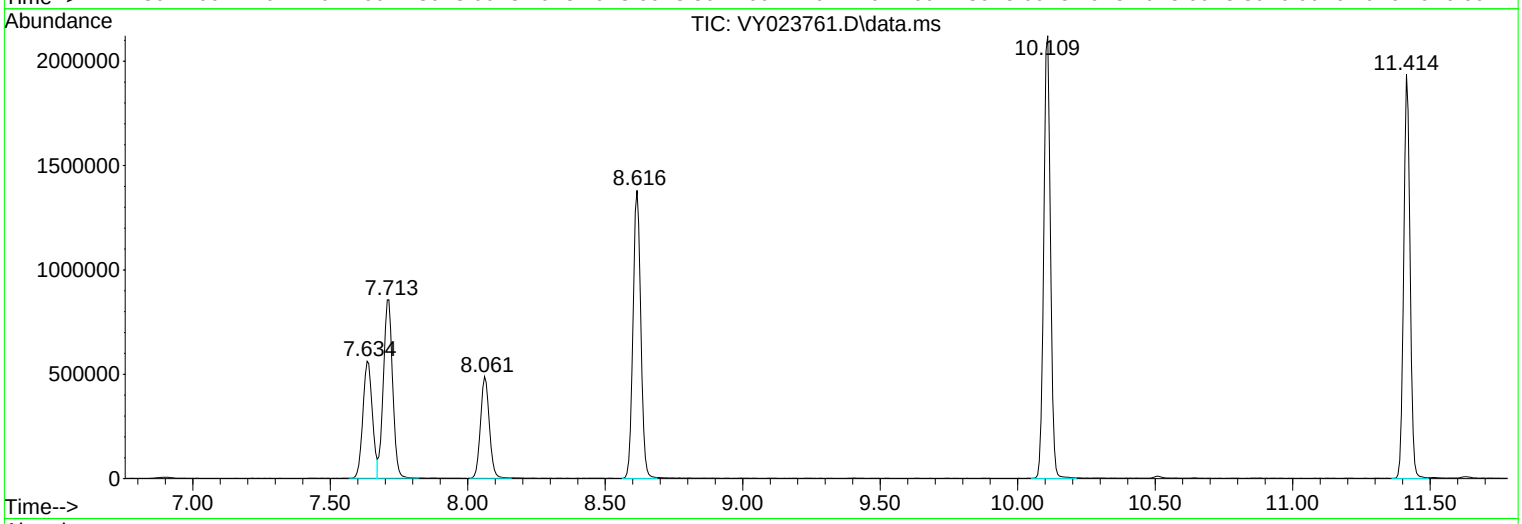
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023761.D
Acq On : 12 Nov 2025 14:01
Operator : SY/MD
Sample : Q3586-03
Misc : 6.46g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 5 Sample Multiplier: 1

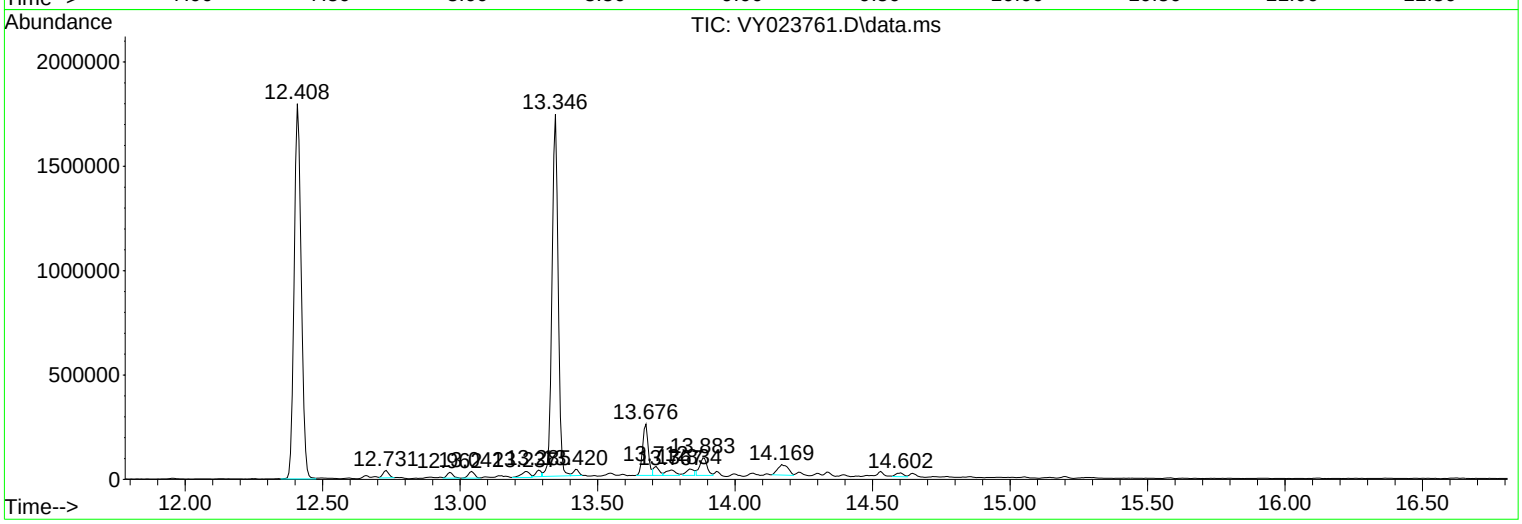
**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023761.D
Acq On : 12 Nov 2025 14:01
Operator : SY/MD
Sample : Q3586-03
Misc : 6.46g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260

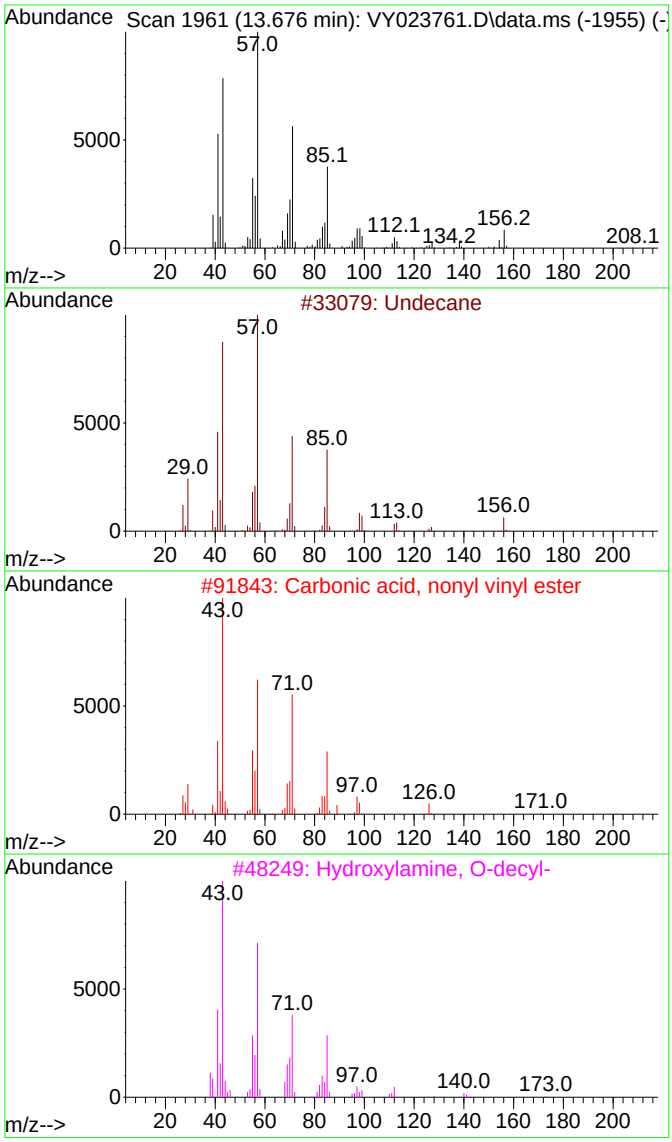
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

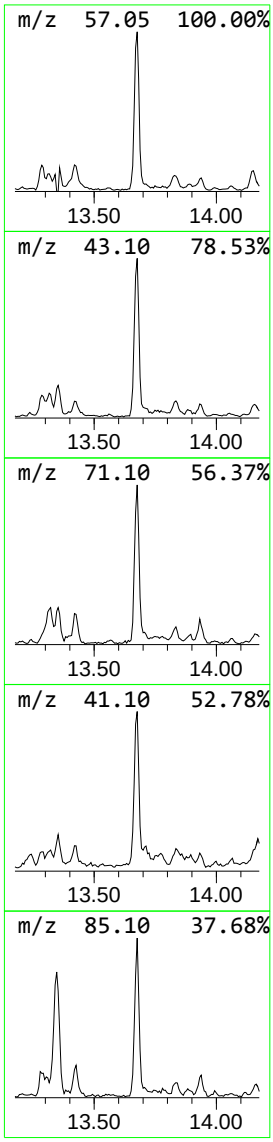
**********

Peak Number 1 Undecane Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.676 | 6.55 ug/l | 357345 | 1,4-Dichlorobenzene-d4 | 13.346 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane | 156 | C11H24 | 001120-21-4 | 92 |
| 2 | Carbonic acid, nonyl vinyl ester | 214 | C12H22O3 | 1000383-25-6 | 80 |
| 3 | Hydroxylamine, O-decyl- | 173 | C10H23NO | 029812-79-1 | 64 |
| 4 | Carbonic acid, octyl prop-1-en-2... | 214 | C12H22O3 | 1000382-54-0 | 58 |
| 5 | Carbonic acid, octyl vinyl ester | 200 | C11H20O3 | 1000383-25-5 | 52 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023761.D
Acq On : 12 Nov 2025 14:01
Operator : SY/MD
Sample : Q3586-03
Misc : 6.46g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SED-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.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 |
| Undecane | 13.676 | 6.5 | ug/l | 357345 | 4 | 13.346 | 2727840 | 50.0 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032416.D
Acq On : 11 Nov 2025 09:34
Operator : SY/MD
Sample : VW1111SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW1111SBL01

Quant Time: Nov 12 03:42:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.959 | 168 | 277247 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.849 | 114 | 601287 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.629 | 117 | 633123 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 297226 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.319 | 65 | 215257 | 60.222 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 63 - 155 | | Recovery = 120.440% | | | |
| 35) Dibromofluoromethane | 7.898 | 113 | 198257 | 55.071 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 70 - 134 | | Recovery = 110.140% | | | |
| 50) Toluene-d8 | 10.325 | 98 | 733818 | 53.133 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 123 | | Recovery = 106.260% | | | |
| 62) 4-Bromofluorobenzene | 12.617 | 95 | 298731 | 57.258 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 17 - 146 | | Recovery = 114.520% | | | |

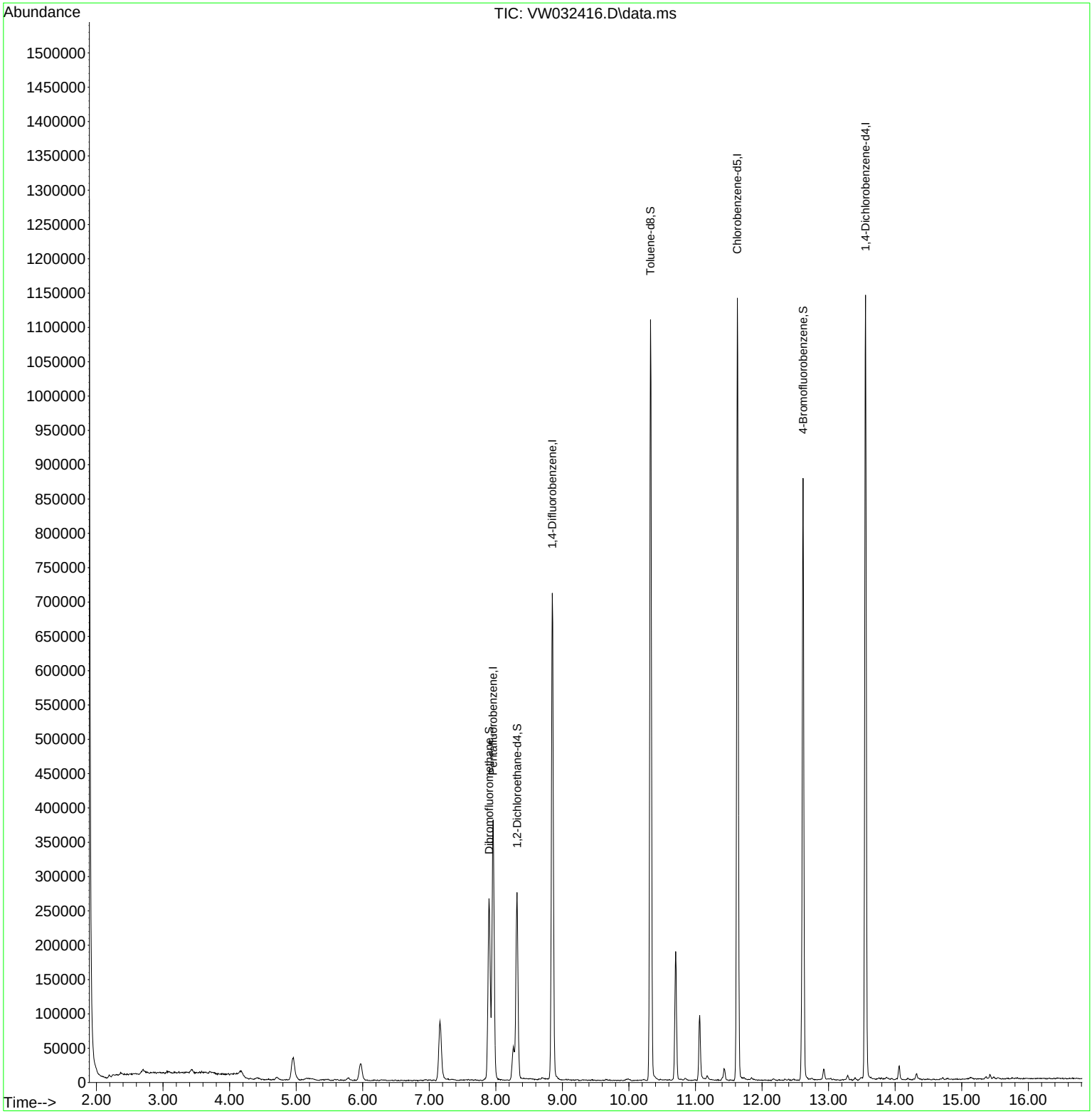
Target Compounds Qvalue

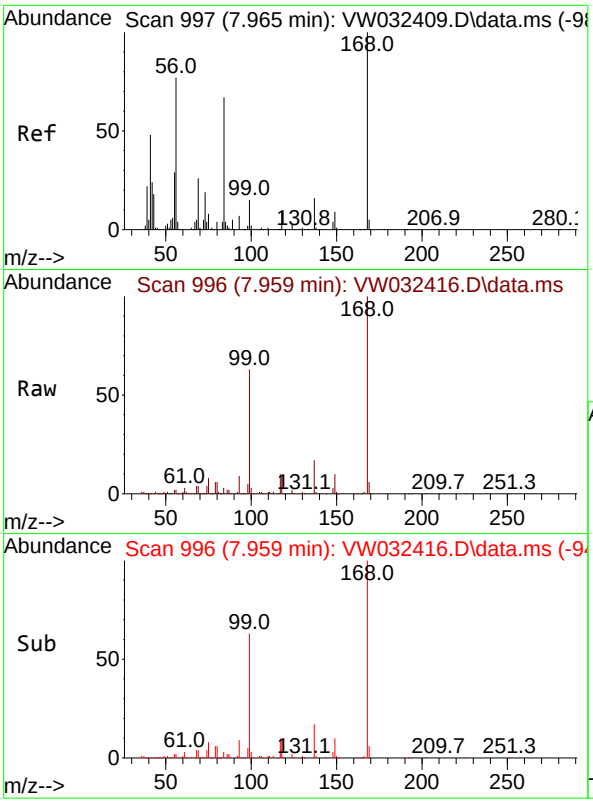
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032416.D
Acq On : 11 Nov 2025 09:34
Operator : SY/MD
Sample : VW1111SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW1111SBL01

Quant Time: Nov 12 03:42:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration



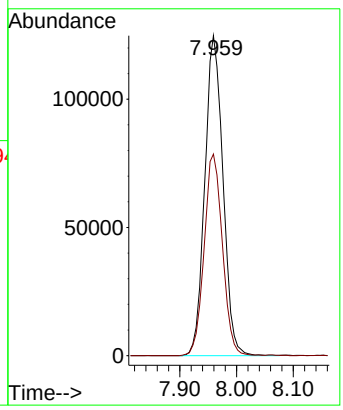


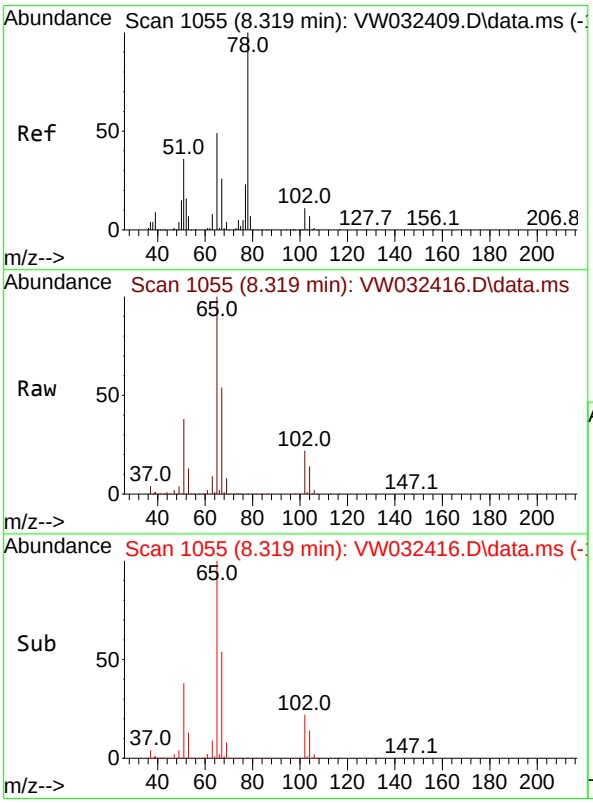

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW1111SBL01

Tgt Ion:168 Resp: 277247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 63.0 | 45.4 | 68.2 |

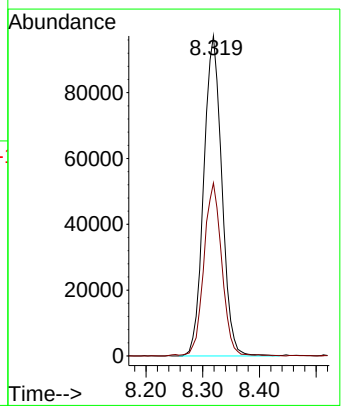


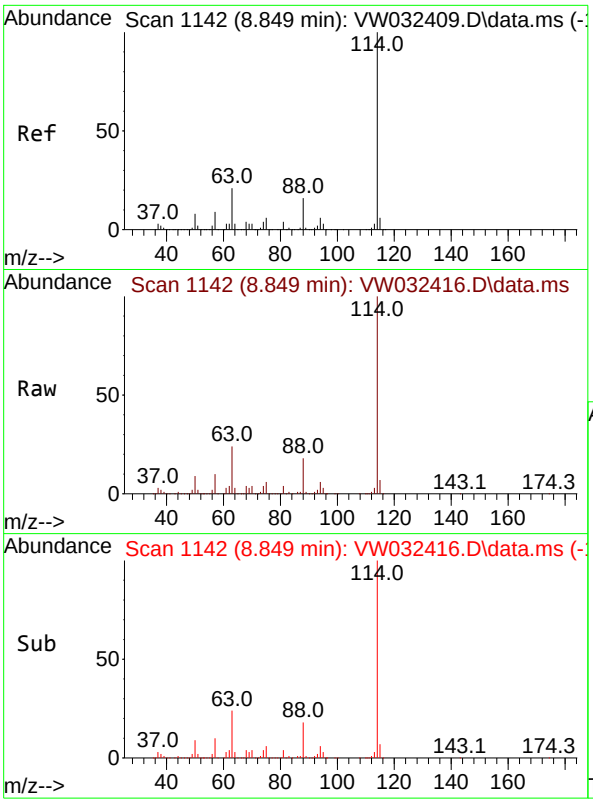




#33
1,2-Dichloroethane-d4
Concen: 60.222 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

Tgt Ion: 65 Resp: 215257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.5 | 0.0 | 106.8 |



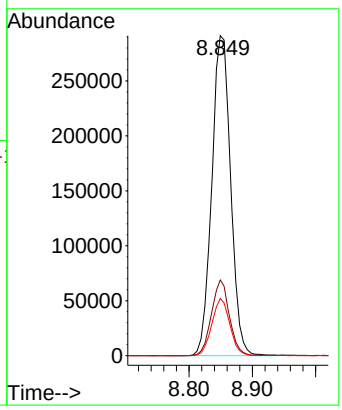


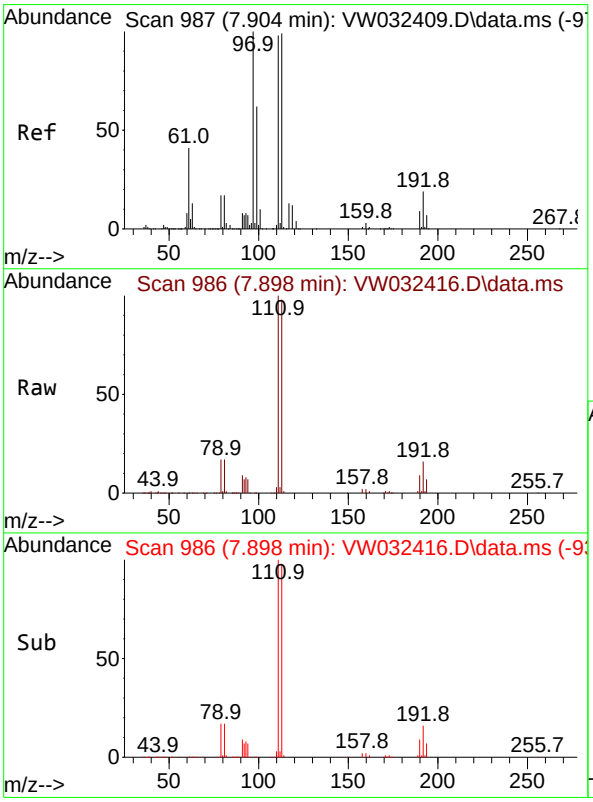

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW1111SBL01

Tgt Ion:114 Resp: 601287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.6 | 0.0 | 41.8 |
| 88 | 17.9 | 0.0 | 32.6 |

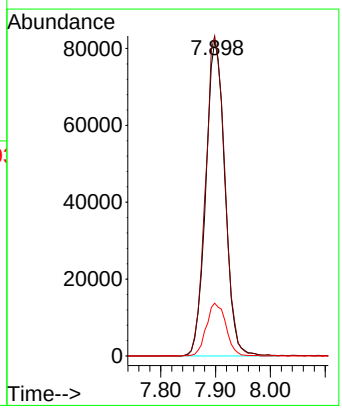


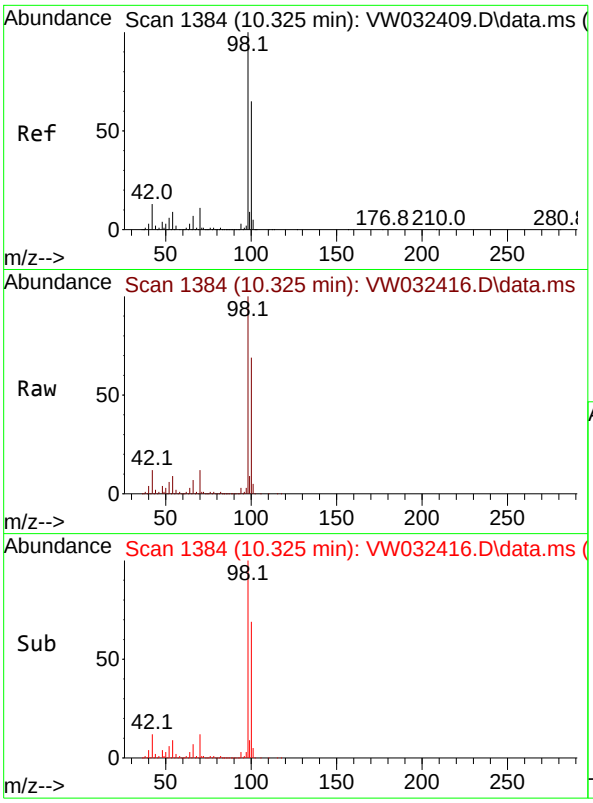




#35
Dibromofluoromethane
Concen: 55.071 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

Tgt Ion:113 Resp: 198257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.5 | 83.1 | 124.7 |
| 192 | 17.1 | 13.4 | 20.2 |



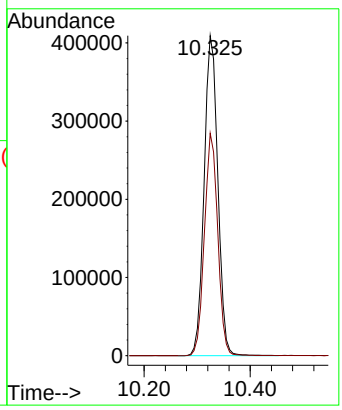


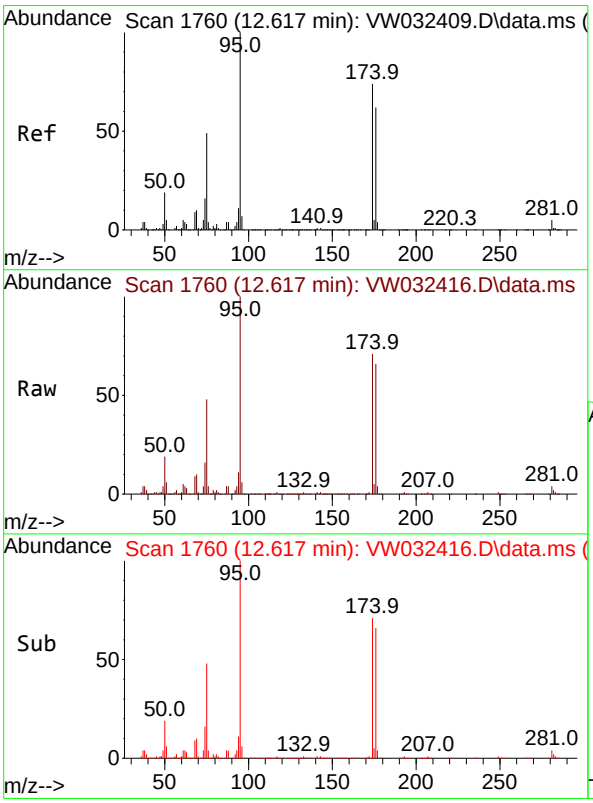

#50
Toluene-d8
Concen: 53.133 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW1111SBL01

Tgt Ion: 98 Resp: 733818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.6 | 53.3 | 79.9 |

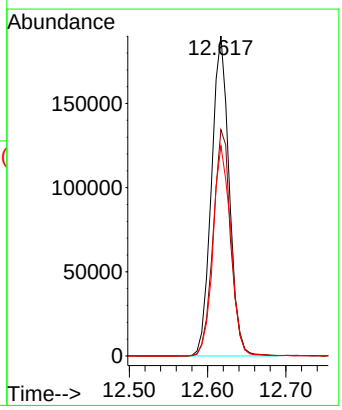


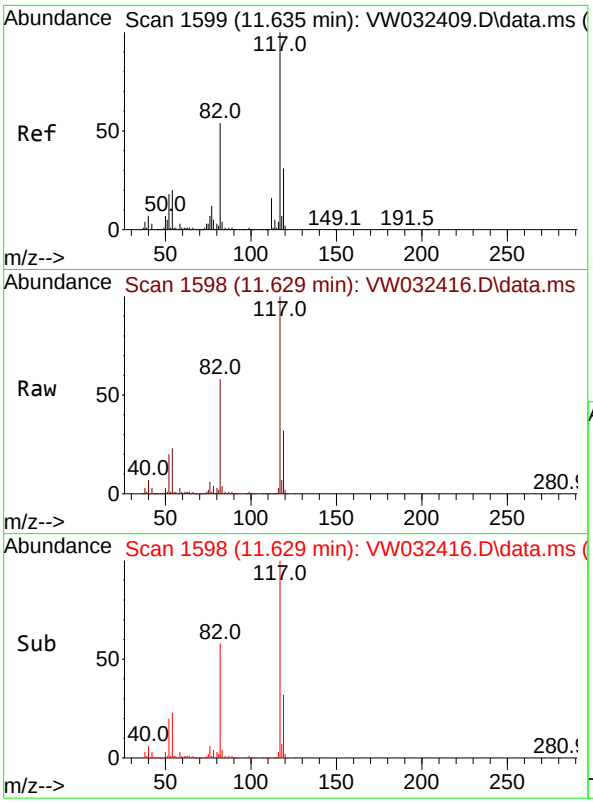




#62
4-Bromofluorobenzene
Concen: 57.258 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

Tgt Ion: 95 Resp: 298731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 70.1 | 0.0 | 135.4 |
| 176 | 66.1 | 0.0 | 131.8 |



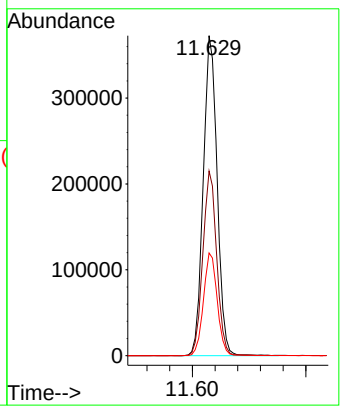


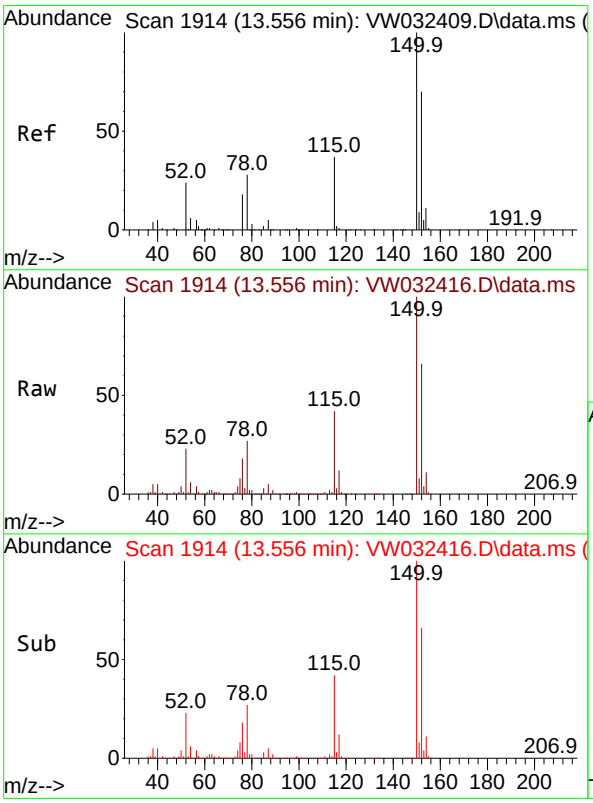

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW1111SBL01

Tgt Ion:117 Resp: 633123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.7 | 43.0 | 64.4 |
| 119 | 32.1 | 25.0 | 37.6 |

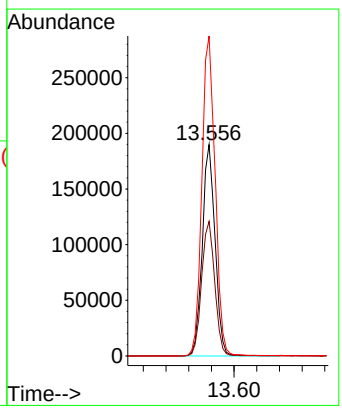



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032416.D
Acq: 11 Nov 2025 09:34

Tgt Ion:152 Resp: 297226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 65.4 | 32.8 | 98.3 |
| 150 | 157.0 | 0.0 | 356.6 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032416.D
Acq On : 11 Nov 2025 09:34
Operator : SY/MD
Sample : VW1111SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW1111SBL01

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\82W111025S.M
Title : SW846 8260

Signal : TIC: VW032416.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.960 | 490 | 504 | 521 | rVB3 | 33085 | 121100 | 6.12% | 1.013% |
| 2 | 5.966 | 658 | 669 | 681 | rBV4 | 24346 | 81716 | 4.13% | 0.683% |
| 3 | 7.161 | 855 | 865 | 882 | rBV | 86495 | 259412 | 13.10% | 2.170% |
| 4 | 7.898 | 976 | 986 | 991 | rBV2 | 263338 | 636600 | 32.15% | 5.324% |
| 5 | 7.959 | 991 | 996 | 1008 | rVB | 378420 | 838706 | 42.36% | 7.015% |
| 6 | 8.264 | 1036 | 1046 | 1048 | rBV | 49118 | 102406 | 5.17% | 0.857% |
| 7 | 8.319 | 1049 | 1055 | 1069 | rVB | 271980 | 599552 | 30.28% | 5.015% |
| 8 | 8.849 | 1133 | 1142 | 1152 | rBV | 707390 | 1429317 | 72.18% | 11.955% |
| 9 | 10.325 | 1376 | 1384 | 1404 | rBV | 1108314 | 1980084 | 100.00% | 16.561% |
| 10 | 10.703 | 1436 | 1446 | 1456 | rBV | 187593 | 338470 | 17.09% | 2.831% |
| 11 | 11.062 | 1498 | 1505 | 1516 | rBV | 95439 | 175429 | 8.86% | 1.467% |
| 12 | 11.428 | 1557 | 1565 | 1573 | rBV3 | 17254 | 37835 | 1.91% | 0.316% |
| 13 | 11.629 | 1590 | 1598 | 1609 | rBV | 1140141 | 1954651 | 98.72% | 16.349% |
| 14 | 12.617 | 1750 | 1760 | 1774 | rBV2 | 877443 | 1483576 | 74.92% | 12.409% |
| 15 | 12.928 | 1805 | 1811 | 1818 | rBV2 | 15070 | 27111 | 1.37% | 0.227% |
| 16 | 13.556 | 1907 | 1914 | 1926 | rBV | 1140484 | 1855850 | 93.73% | 15.522% |
| 17 | 14.062 | 1992 | 1997 | 2004 | rVB | 20050 | 34274 | 1.73% | 0.287% |

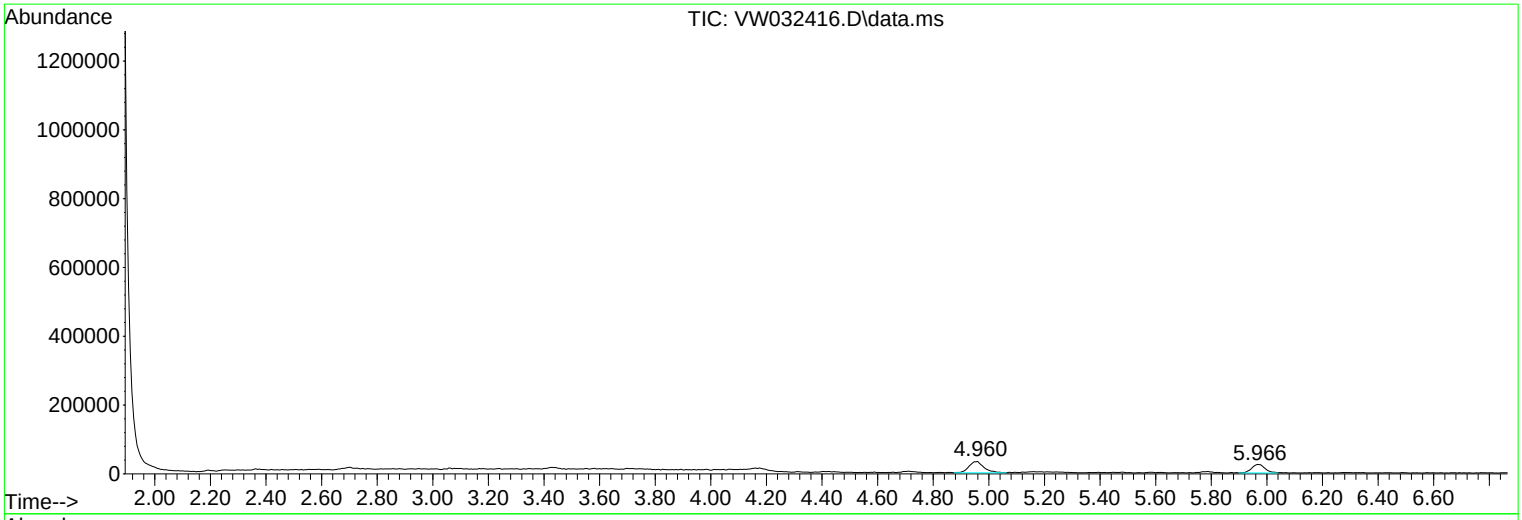
Sum of corrected areas: 11956089

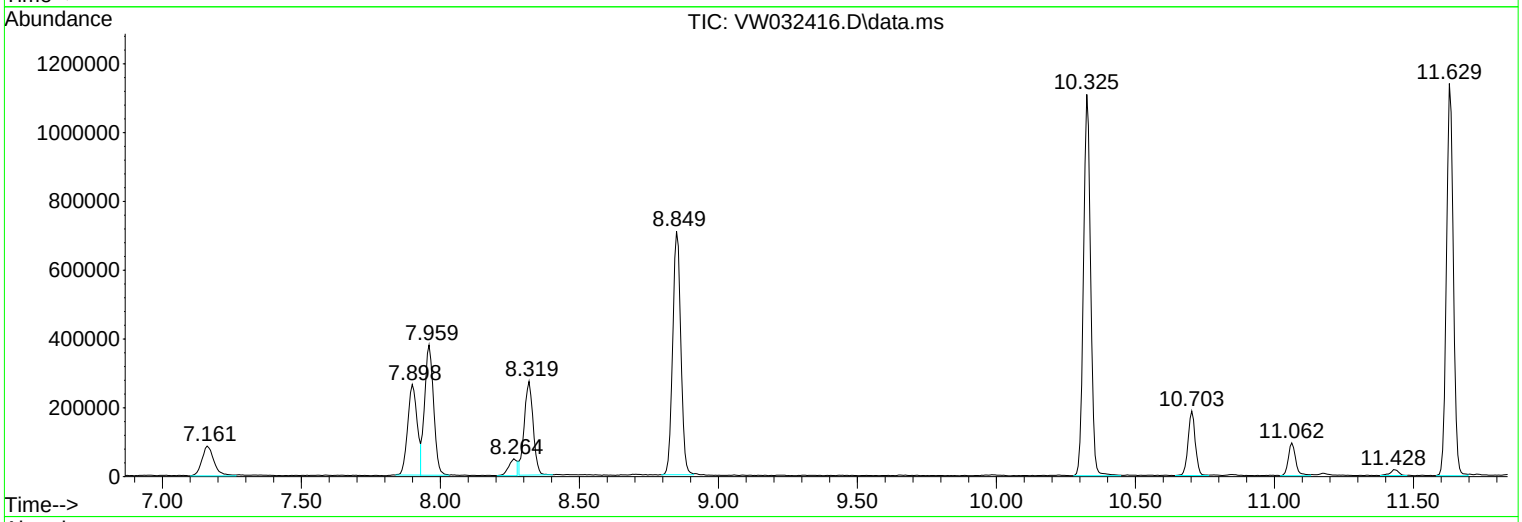
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032416.D
Acq On : 11 Nov 2025 09:34
Operator : SY/MD
Sample : VW1111SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

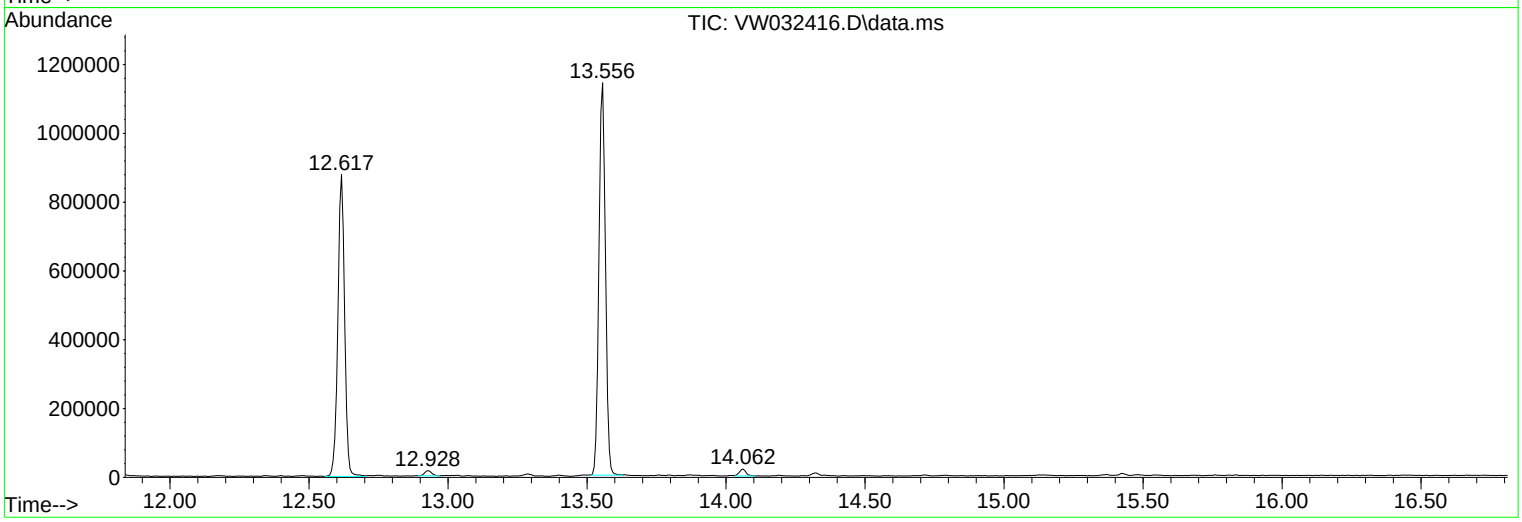
**Instrument :**
MSVOA_W
**ClientSampleId :**
VW1111SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032416.D
Acq On : 11 Nov 2025 09:34
Operator : SY/MD
Sample : VW1111SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW1111SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032416.D
Acq On : 11 Nov 2025 09:34
Operator : SY/MD
Sample : VW1111SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW1111SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023753.D
Acq On : 12 Nov 2025 10:37
Operator : SY/MD
Sample : VY1112SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY1112SBL01

Quant Time: Nov 14 03:33:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 769463 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.616 | 114 | 1302390 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 1092818 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 431668 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 376845 | 57.414 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 114.820% | | | |
| 35) Dibromofluoromethane | 7.640 | 113 | 415926 | 51.102 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 102.200% | | | |
| 50) Toluene-d8 | 10.109 | 98 | 1458000 | 48.089 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 96.180% | | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 415705 | 42.398 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 84.800% | | | |

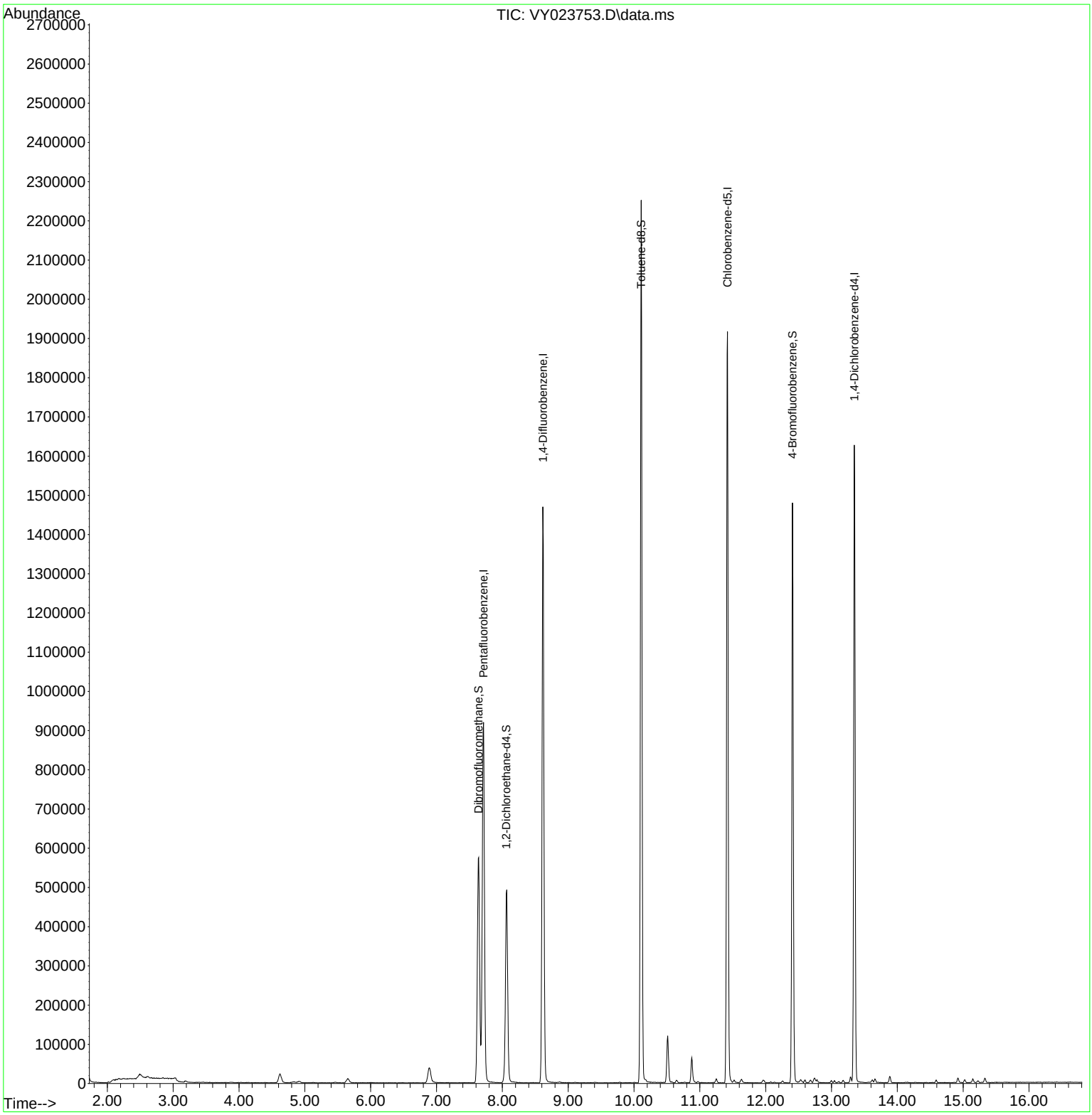
Target Compounds Qvalue

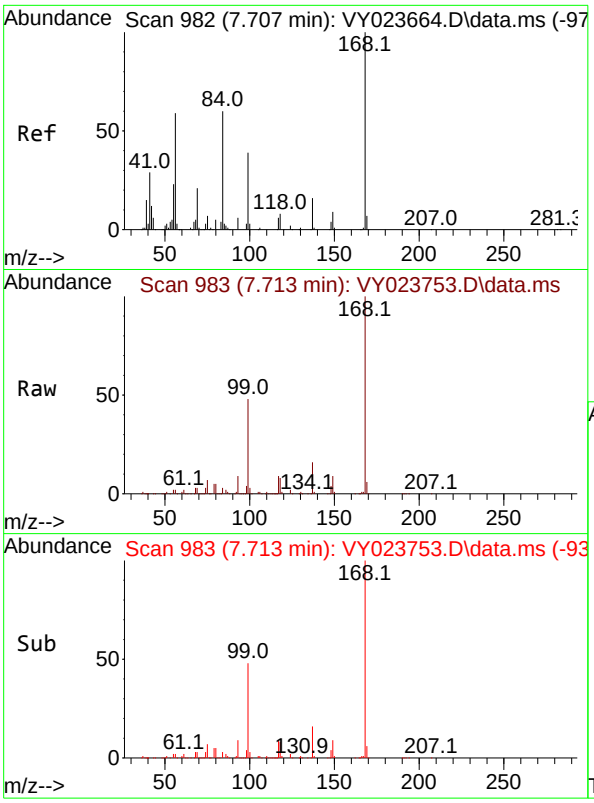
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023753.D
Acq On : 12 Nov 2025 10:37
Operator : SY/MD
Sample : VY1112SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY1112SBL01

Quant Time: Nov 14 03:33:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration



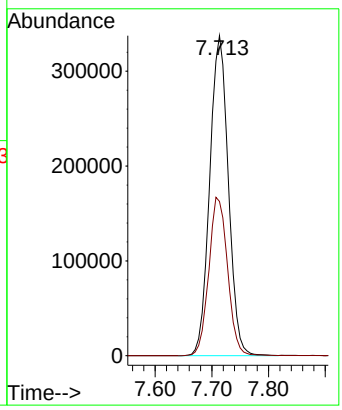


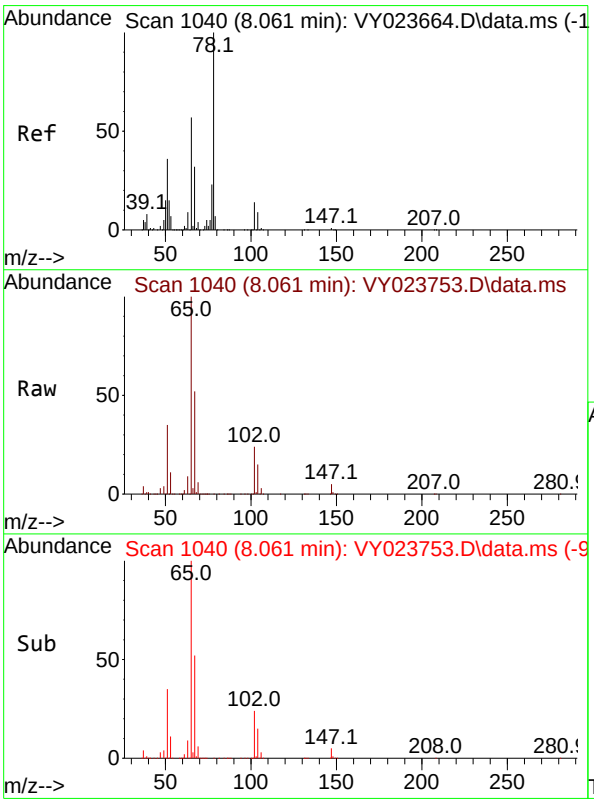

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023753.D
Acq: 12 Nov 2025 10:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY1112SBL01

Tgt Ion:168 Resp: 769463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 48.2 | 41.0 | 61.4 |

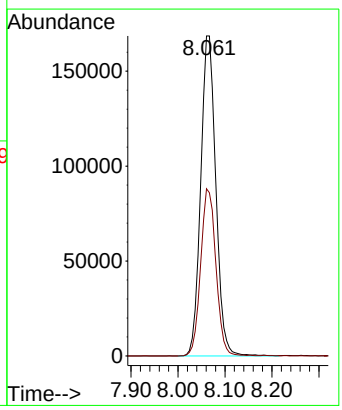


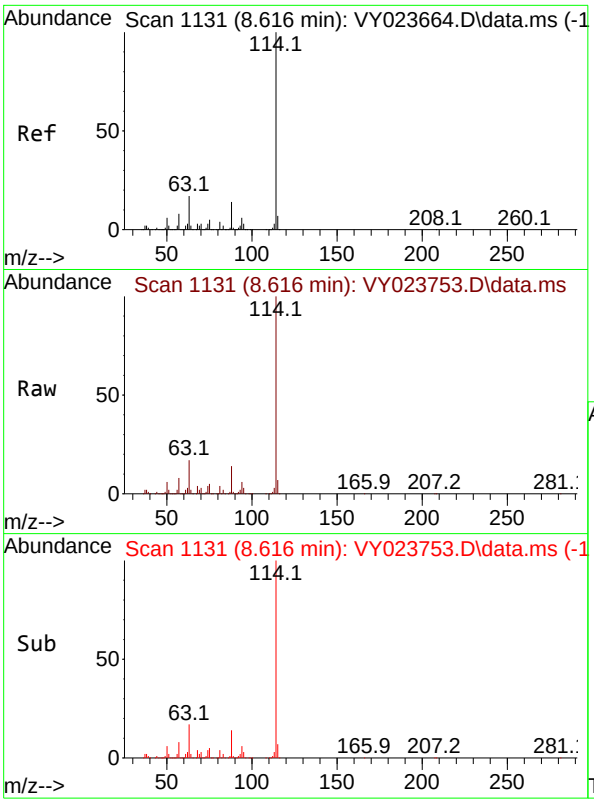




#33
1,2-Dichloroethane-d4
Concen: 57.414 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023753.D
Acq: 12 Nov 2025 10:37

Tgt Ion: 65 Resp: 376845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.7 | 0.0 | 107.4 |



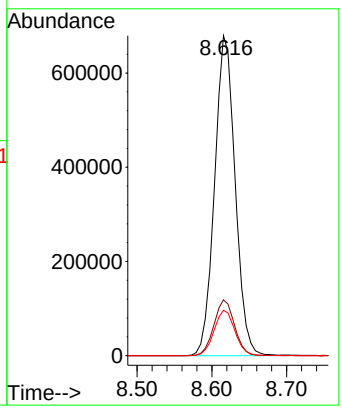


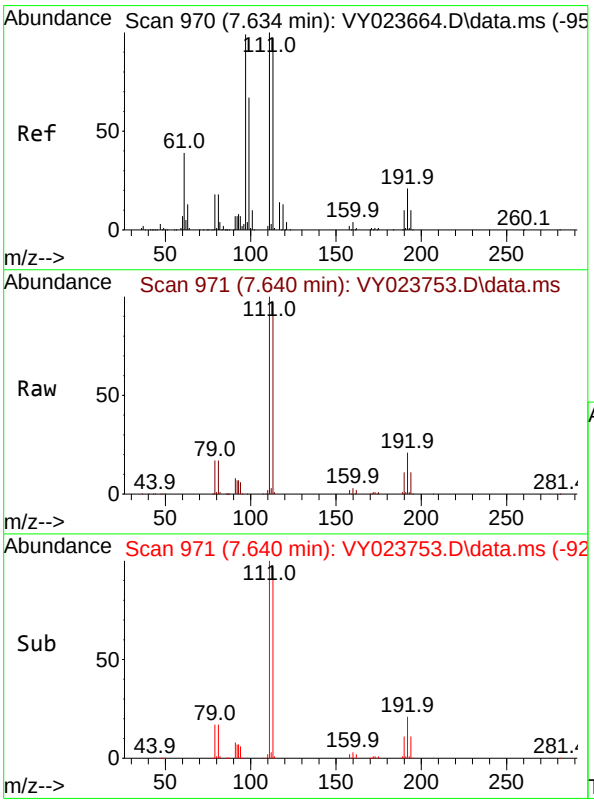

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023753.D
Acq: 12 Nov 2025 10:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY1112SBL01

Tgt Ion:114 Resp: 1302390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 17.4 | 0.0 | 33.8 |
| 88 | 14.2 | 0.0 | 29.0 |

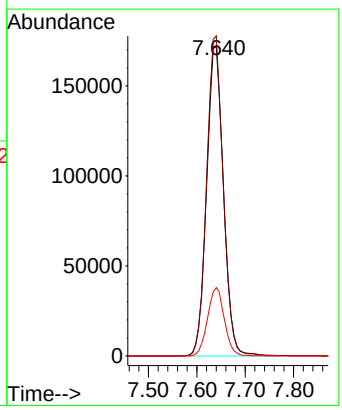


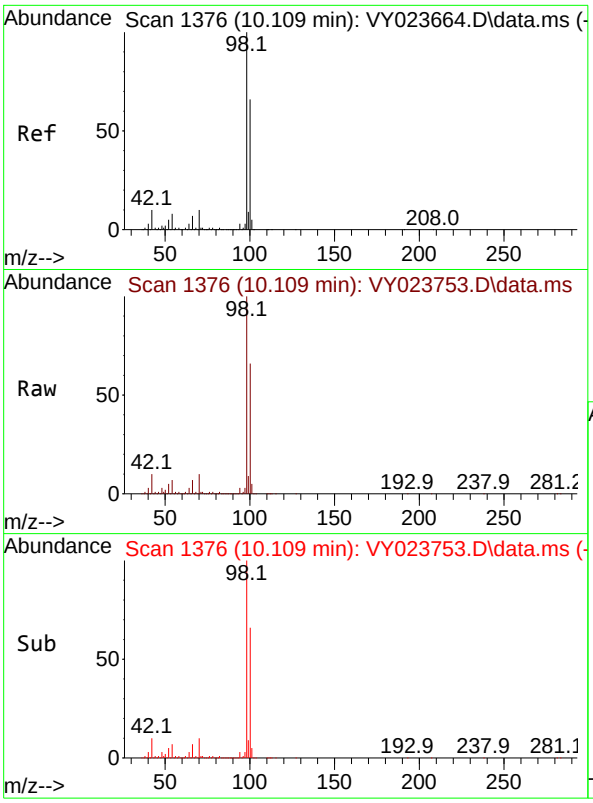




#35
Dibromofluoromethane
Concen: 51.102 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023753.D
Acq: 12 Nov 2025 10:37

Tgt Ion:113 Resp: 415926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.3 | 82.2 | 123.4 |
| 192 | 22.0 | 17.3 | 25.9 |



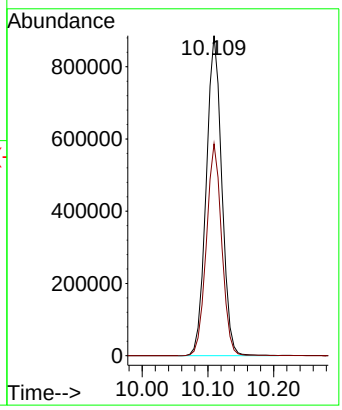


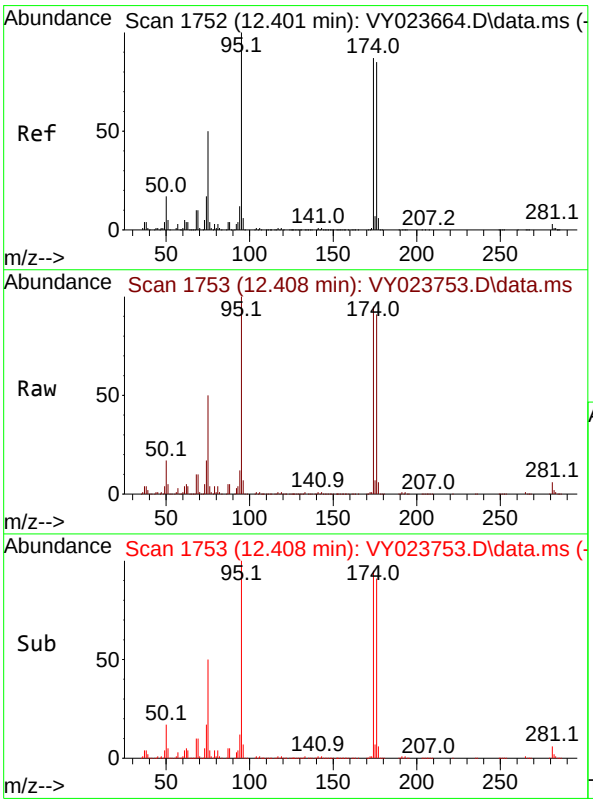

#50
Toluene-d8
Concen: 48.089 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023753.D
Acq: 12 Nov 2025 10:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY1112SBL01

Tgt Ion: 98 Resp: 1458000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.3 | 52.7 | 79.1 |

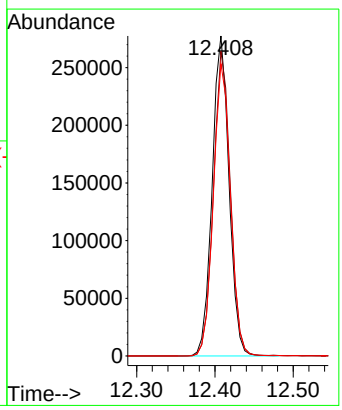


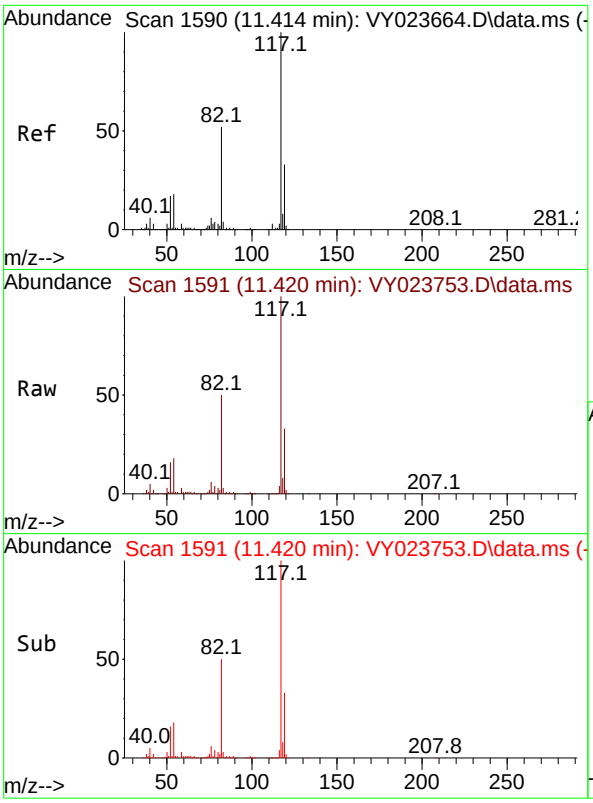




#62
4-Bromofluorobenzene
Concen: 42.398 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023753.D
Acq: 12 Nov 2025 10:37

Tgt Ion: 95 Resp: 415705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 95.9 | 0.0 | 184.8 |
| 176 | 92.6 | 0.0 | 181.6 |



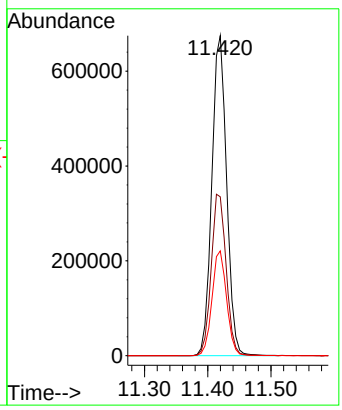


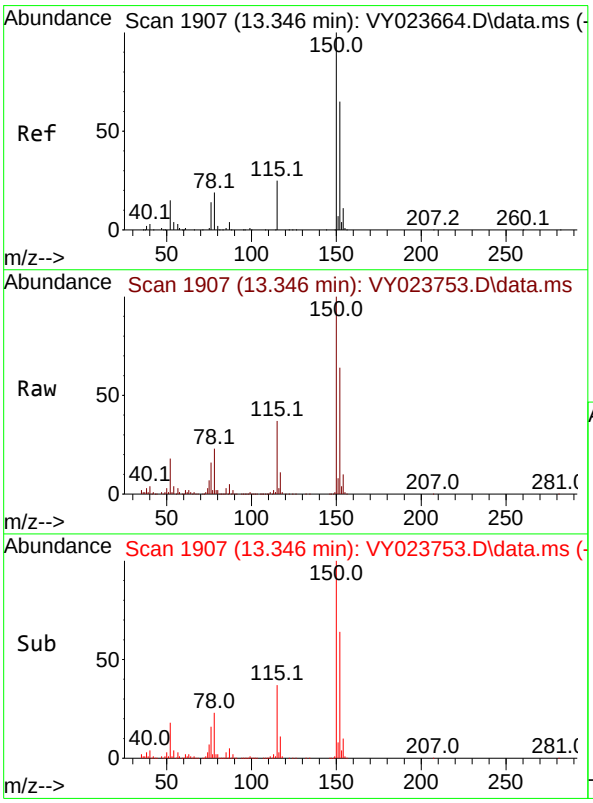

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023753.D
Acq: 12 Nov 2025 10:37

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY1112SBL01

Tgt Ion:117 Resp: 1092818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 49.6 | 41.2 | 61.8 |
| 119 | 32.7 | 26.2 | 39.2 |

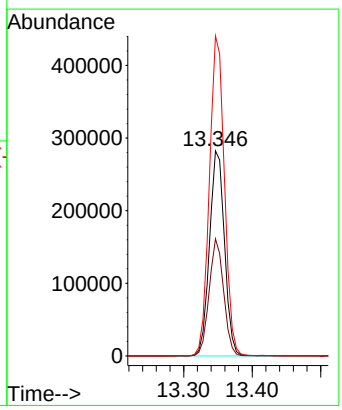



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023753.D
Acq: 12 Nov 2025 10:37

Tgt Ion:152 Resp: 431668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 55.2 | 27.5 | 82.5 |
| 150 | 155.9 | 0.0 | 349.0 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023753.D
Acq On : 12 Nov 2025 10:37
Operator : SY/MD
Sample : VY1112SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY1112SBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Title : SW846 8260

Signal : TIC: VY023753.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.622 | 467 | 476 | 490 | rVB3 | 22412 | 68329 | 1.83% | 0.347% |
| 2 | 6.890 | 836 | 848 | 860 | rBV | 38261 | 128159 | 3.43% | 0.650% |
| 3 | 7.640 | 957 | 971 | 976 | rBV | 574401 | 1365367 | 36.55% | 6.929% |
| 4 | 7.713 | 976 | 983 | 1000 | rVB | 918241 | 2141937 | 57.33% | 10.869% |
| 5 | 8.067 | 1026 | 1041 | 1054 | rBV | 492174 | 1139953 | 30.51% | 5.785% |
| 6 | 8.616 | 1121 | 1131 | 1143 | rBV | 1469309 | 2837953 | 75.97% | 14.401% |
| 7 | 10.109 | 1368 | 1376 | 1392 | rBV | 2251352 | 3735829 | 100.00% | 18.957% |
| 8 | 10.512 | 1434 | 1442 | 1451 | rBV | 119390 | 218279 | 5.84% | 1.108% |
| 9 | 10.877 | 1496 | 1502 | 1513 | rBV | 63530 | 111276 | 2.98% | 0.565% |
| 10 | 11.420 | 1583 | 1591 | 1603 | rBV | 1915887 | 3161631 | 84.63% | 16.044% |
| 11 | 12.408 | 1742 | 1753 | 1766 | rBV2 | 1479362 | 2332645 | 62.44% | 11.837% |
| 12 | 13.346 | 1901 | 1907 | 1922 | rVB | 1625799 | 2465129 | 65.99% | 12.509% |

Sum of corrected areas: 19706487

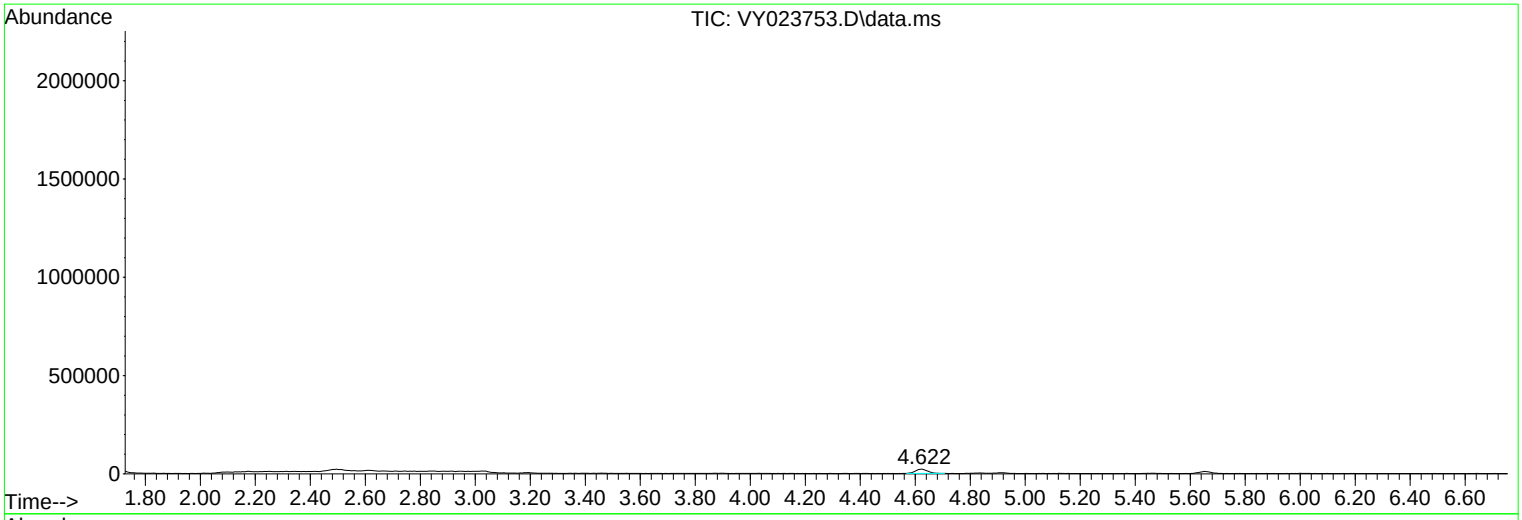
Sample Results: **VY023753.D**

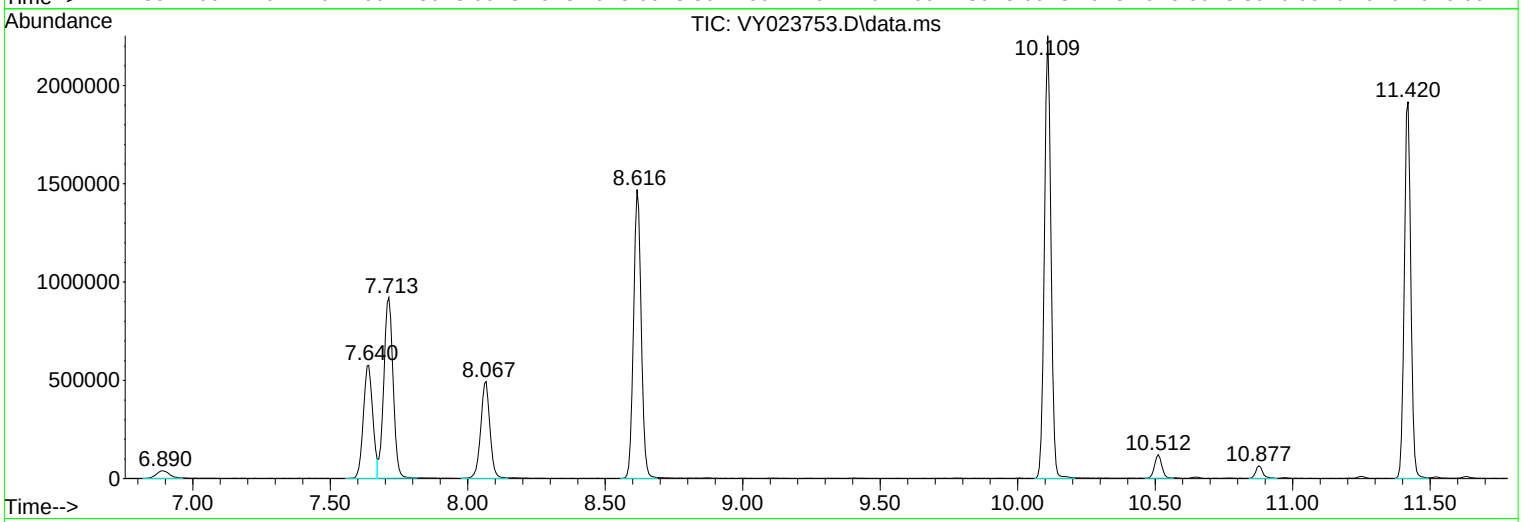
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023753.D
Acq On : 12 Nov 2025 10:37
Operator : SY/MD
Sample : VY1112SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

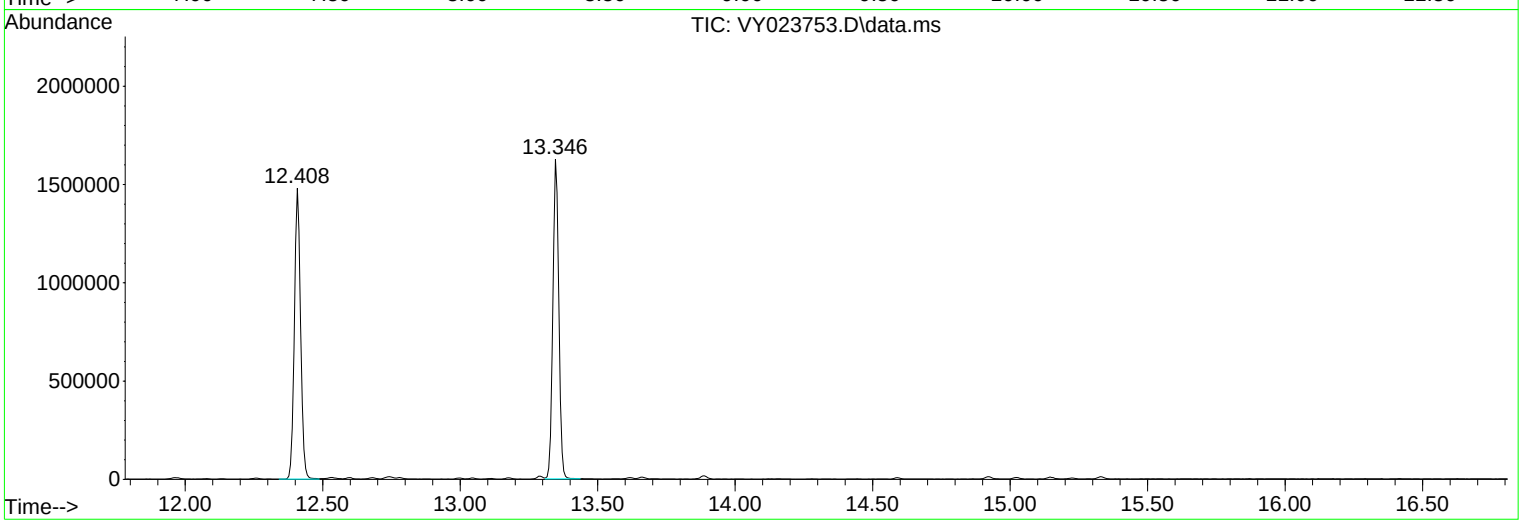
**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY1112SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023753.D
Acq On : 12 Nov 2025 10:37
Operator : SY/MD
Sample : VY1112SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY1112SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023753.D
Acq On : 12 Nov 2025 10:37
Operator : SY/MD
Sample : VY1112SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY1112SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.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\VW111125\
Data File : VW032417.D
Acq On : 11 Nov 2025 10:00
Operator : SY/MD
Sample : VW1111SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 12 03:43:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW1111SBS01

**Manual Integrations APPROVED**
Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.959 | 168 | 436360 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.849 | 114 | 782865 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.629 | 117 | 700699 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.555 | 152 | 322112 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.319 | 65 | 272975 | 48.523 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 63 - 155 | | Recovery = 97.040% | | | |
| 35) Dibromofluoromethane | 7.898 | 113 | 232064 | 49.510 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 70 - 134 | | Recovery = 99.020% | | | |
| 50) Toluene-d8 | 10.324 | 98 | 922037 | 51.277 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 123 | | Recovery = 102.560% | | | |
| 62) 4-Bromofluorobenzene | 12.617 | 95 | 343026 | 50.499 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 17 - 146 | | Recovery = 101.000% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.051 | 85 | 41489 | 18.740 | ug/l | 92 |
| 3) Chloromethane | 2.253 | 50 | 78459 | 20.675 | ug/l | 99 |
| 4) Vinyl Chloride | 2.405 | 62 | 100720 | 21.031 | ug/l | 94 |
| 5) Bromomethane | 2.820 | 94 | 66815 | 20.856 | ug/l | 86 |
| 6) Chloroethane | 2.966 | 64 | 64340 | 20.534 | ug/l | 99 |
| 7) Trichlorofluoromethane | 3.307 | 101 | 68862 | 18.339 | ug/l | 93 |
| 8) Diethyl Ether | 3.722 | 74 | 60131 | 19.587 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 4.100 | 101 | 87296 | 21.342 | ug/l | 97 |
| 10) Methyl Iodide | 4.307 | 142 | 130946 | 19.877 | ug/l | 99 |
| 11) Tert butyl alcohol | 5.209 | 59 | 39926m | 82.075 | ug/l | |
| 12) 1,1-Dichloroethene | 4.075 | 96 | 100130 | 21.349 | ug/l | 98 |
| 13) Acrolein | 3.929 | 56 | 77344 | 94.763 | ug/l | 99 |
| 14) Allyl chloride | 4.703 | 41 | 182315 | 20.213 | ug/l | 98 |
| 15) Acrylonitrile | 5.404 | 53 | 162387 | 91.485 | ug/l | 99 |
| 16) Acetone | 4.161 | 43 | 170667 | 101.402 | ug/l | 99 |
| 17) Carbon Disulfide | 4.423 | 76 | 281977 | 20.341 | ug/l | 96 |
| 18) Methyl Acetate | 4.709 | 43 | 71779 | 17.222 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 5.459 | 73 | 193164 | 19.538 | ug/l | 98 |
| 20) Methylene Chloride | 4.953 | 84 | 115348 | 19.164 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 5.459 | 96 | 108024 | 20.142 | ug/l | 98 |
| 22) Diisopropyl ether | 6.343 | 45 | 374441 | 20.390 | ug/l | 94 |
| 23) Vinyl Acetate | 6.282 | 43 | 1207298 | 95.955 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 6.246 | 63 | 207089 | 20.583 | ug/l | 99 |
| 25) 2-Butanone | 7.191 | 43 | 224145 | 90.396 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 7.191 | 77 | 112486 | 20.061 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 7.191 | 96 | 129519 | 20.212 | ug/l | 99 |
| 28) Bromochloromethane | 7.526 | 49 | 92254 | 19.400 | ug/l | 99 |
| 29) Tetrahydrofuran | 7.550 | 42 | 137114 | 87.122 | ug/l | 100 |
| 30) Chloroform | 7.691 | 83 | 204053 | 20.717 | ug/l | 97 |
| 31) Cyclohexane | 7.971 | 56 | 193811 | 20.824 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 7.886 | 97 | 146541 | 20.826 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 8.093 | 75 | 146806 | 21.257 | ug/l | 99 |
| 37) Ethyl Acetate | 7.270 | 43 | 95387 | 18.575 | ug/l | 98 |
| 38) Carbon Tetrachloride | 8.081 | 117 | 129945 | 21.176 | ug/l | 97 |
| 39) Methylcyclohexane | 9.343 | 83 | 186531 | 20.849 | ug/l | 96 |
| 40) Benzene | 8.337 | 78 | 465167 | 20.916 | ug/l | 96 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032417.D
Acq On : 11 Nov 2025 10:00
Operator : SY/MD
Sample : VW1111SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 12 03:43:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW1111SBS01

**Manual Integrations APPROVED**

Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.496 | 41 | 51421 | 18.228 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 8.410 | 62 | 132166 | 20.232 | ug/l | | 100 |
| 43) Isopropyl Acetate | 8.434 | 43 | 166641 | 18.326 | ug/l | | 98 |
| 44) Trichloroethene | 9.099 | 130 | 105263 | 20.340 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 9.373 | 63 | 114301 | 20.640 | ug/l | | 98 |
| 46) Dibromomethane | 9.465 | 93 | 65964 | 20.384 | ug/l | | 98 |
| 47) Bromodichloromethane | 9.648 | 83 | 148960 | 20.179 | ug/l | | 96 |
| 48) Methyl methacrylate | 9.440 | 41 | 82354 | 19.059 | ug/l | | 99 |
| 49) 1,4-Dioxane | 9.465 | 88 | 15786 | 348.214 | ug/l | # | 98 |
| 51) 4-Methyl-2-Pentanone | 10.215 | 43 | 462881 | 92.081 | ug/l | | 100 |
| 52) Toluene | 10.391 | 92 | 291874 | 21.247 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 10.611 | 75 | 148545 | 19.539 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 10.074 | 75 | 177591 | 20.200 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 10.788 | 97 | 88696 | 19.979 | ug/l | | 96 |
| 56) Ethyl methacrylate | 10.647 | 69 | 126877 | 18.627 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 10.934 | 76 | 160122 | 20.194 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 9.928 | 63 | 354300 | 97.670 | ug/l | | 100 |
| 59) 2-Hexanone | 10.971 | 43 | 337174 | 91.677 | ug/l | | 98 |
| 60) Dibromochloromethane | 11.129 | 129 | 94974 | 19.157 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.233 | 107 | 84500 | 19.543 | ug/l | | 96 |
| 64) Tetrachloroethene | 10.861 | 164 | 88528 | 21.335 | ug/l | | 88 |
| 65) Chlorobenzene | 11.659 | 112 | 312387 | 20.684 | ug/l | | 94 |
| 66) 1,1,1,2-Tetrachloroethane | 11.726 | 131 | 94205 | 20.155 | ug/l | | 98 |
| 67) Ethyl Benzene | 11.726 | 91 | 536421 | 20.528 | ug/l | | 100 |
| 68) m/p-Xylenes | 11.836 | 106 | 410106 | 41.799 | ug/l | | 98 |
| 69) o-Xylene | 12.165 | 106 | 187804 | 19.991 | ug/l | | 97 |
| 70) Styrene | 12.178 | 104 | 337079 | 20.858 | ug/l | | 100 |
| 71) Bromoform | 12.348 | 173 | 50121 | 18.105 | ug/l | # | 99 |
| 73) Isopropylbenzene | 12.464 | 105 | 489968 | 20.711 | ug/l | | 100 |
| 74) N-amyl acetate | 12.269 | 43 | 152380 | 18.536 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83 | 108555 | 19.335 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.763 | 75 | 79285m | 17.951 | ug/l | | |
| 77) Bromobenzene | 12.745 | 156 | 117001 | 20.889 | ug/l | | 98 |
| 78) n-propylbenzene | 12.799 | 91 | 621805 | 21.583 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 12.891 | 91 | 363914 | 20.692 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.940 | 105 | 409190 | 20.966 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.507 | 75 | 34259 | 17.766 | ug/l | | 94 |
| 82) 4-Chlorotoluene | 12.982 | 91 | 390845 | 21.367 | ug/l | | 100 |
| 83) tert-Butylbenzene | 13.202 | 119 | 359916 | 21.199 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 13.245 | 105 | 418744 | 21.094 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.379 | 105 | 533899 | 21.115 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.494 | 119 | 442367 | 21.189 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.494 | 146 | 234557 | 22.087 | ug/l | | 94 |
| 88) 1,4-Dichlorobenzene | 13.574 | 146 | 226602 | 20.828 | ug/l | | 98 |
| 89) n-Butylbenzene | 13.818 | 91 | 428538 | 21.011 | ug/l | | 99 |
| 90) Hexachloroethane | 14.086 | 117 | 77763 | 20.659 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 13.866 | 146 | 194313 | 19.932 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.482 | 75 | 17241 | 17.826 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 15.122 | 180 | 127042 | 20.478 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 15.226 | 225 | 54540 | 21.164 | ug/l | | 92 |
| 95) Naphthalene | 15.360 | 128 | 283464 | 18.323 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.543 | 180 | 108438 | 19.253 | ug/l | | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032417.D
Acq On : 11 Nov 2025 10:00
Operator : SY/MD
Sample : VW1111SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 12 03:43:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW1111SBS01

**Manual Integrations APPROVED**

Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

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

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

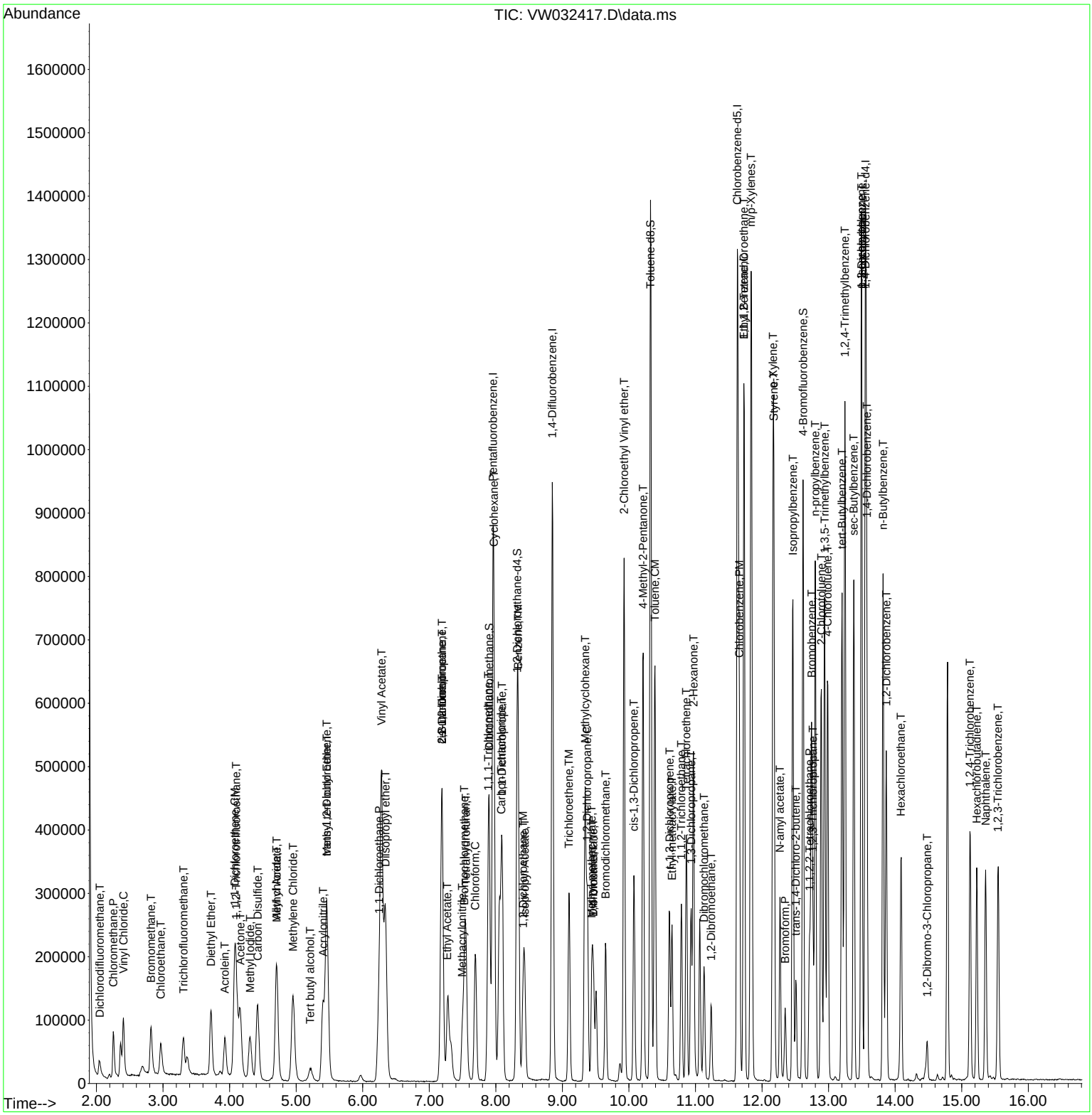
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032417.D
Acq On : 11 Nov 2025 10:00
Operator : SY/MD
Sample : VW1111SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 12 03:43:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW1111SBS01

**Manual Integrations APPROVED**

Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025


Abundance
TIC: VW032417.D\data.ms
Time-->
Dichlorodifluoromethane,T
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane,T
Diethyl Ether,T
Acrolein,T
Acetone,T
Methyl Iodide,T
Carbon Disulfide,T
Methyl Acetate,T
Methylene Chloride,T
Tert butyl alcohol,T
Acrylonitrile,T
Vinyl Acetate,T
Ethyl Acetate,T
Methacrylonitrile,T
Chloroform,C
Cyclohexane,P
Carbon Tetrachloride,T
1,4-Difluorobenzene,I
Pentafluorobenzene,I
Trichloroethene,TM
Methylcyclohexane,T
Bromodichloromethane,T
2-Chloroethyl Vinyl ether,T
4-Methyl-2-Pentanone,T
Toluene,CM
Toluene-d8,S
cis-1,3-Dichloropropene,T
Ethyl Methacrylate,T
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,PM
Ethylbenzene,T
m/p-Xylenes,T
Styrene,T
o-Xylene,T
Isopropylbenzene,T
4-Bromofluorobenzene,S
Bromobenzene,T
n-propylbenzene,T
2-Chlorotoluene,T
1,3,5-Trimethylbenzene,T
4-Chlorotoluene,T
tert-Butylbenzene,T
1,2,4-Trimethylbenzene,T
sec-Butylbenzene,T
1,4-Dichlorobenzene,T
n-Butylbenzene,T
1,2-Dichlorobenzene,T
Hexachloroethane,T
1,2-Dibromo-3-Chloropropane,T
1,2,4-Trichlorobenzene,T
Naphthalene,T
1,2,3-Trichlorobenzene,T
N-amyl acetate,T
Bromoform,P
trans-1,4-Dichloro-2-butene,T
1,4-Dioxane,T
Dibromofluoromethane,S
Dibromofluoromethane-d4,S
1,1,1-Trichloroethane,S
1,2-Dichloroethane-d4,S
1,4-Difluorobenzene-d4,I
Chlorobenzene-d5,I
Ethylbenzene-d10,I
1,4-Dichlorobenzene-d4,I
Perylene-d12,I
1,2-Dichloroethane,T
Isobutyl Alcohol,T
Propionitrile,T
Methacrylonitrile,T
Isopropyl Ether,T
Ethyl Acetate,T
Methyl Methacrylate,T
Ethyl Methacrylate,T
Methyl Acrylate,T
Isopropanol,T
Allyl Chloride,T
Methyl Acrylate,T
Methyl Methacrylate,T
Ethyl Methacrylate,T
Methyl Acrylate,T
Isobutan

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023754.D
Acq On : 12 Nov 2025 11:04
Operator : SY/MD
Sample : VY1112SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 14 03:35:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY1112SBS01

**Manual Integrations APPROVED**
Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.713 | 168 | 546007 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.616 | 114 | 796865 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 695921 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 358224 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 230153 | 49.416 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 98.840% | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 251781 | 50.560 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 101.120% | | | |
| 50) Toluene-d8 | 10.109 | 98 | 950745 | 51.252 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 102.500% | | | |
| 62) 4-Bromofluorobenzene | 12.408 | 95 | 310594 | 51.774 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 103.540% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 75861 | 21.166 | ug/l | 96 |
| 3) Chloromethane | 2.074 | 50 | 95473 | 19.035 | ug/l | 98 |
| 4) Vinyl Chloride | 2.208 | 62 | 125898 | 19.291 | ug/l | 99 |
| 5) Bromomethane | 2.592 | 94 | 110591 | 20.145 | ug/l | 98 |
| 6) Chloroethane | 2.739 | 64 | 86569 | 19.192 | ug/l | 99 |
| 7) Trichlorofluoromethane | 3.062 | 101 | 193065 | 21.004 | ug/l | 99 |
| 8) Diethyl Ether | 3.458 | 74 | 51199 | 20.771 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 103910 | 20.518 | ug/l | 99 |
| 10) Methyl Iodide | 4.007 | 142 | 104268 | 17.436 | ug/l | 100 |
| 11) Tert butyl alcohol | 4.854 | 59 | 32054 | 106.733 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 3.793 | 96 | 96315 | 19.743 | ug/l | 94 |
| 13) Acrolein | 3.659 | 56 | 32635 | 84.546 | ug/l | 95 |
| 14) Allyl chloride | 4.385 | 41 | 116750 | 19.662 | ug/l | 99 |
| 15) Acrylonitrile | 5.061 | 53 | 95226 | 101.091 | ug/l | 98 |
| 16) Acetone | 3.866 | 43 | 131027 | 113.177 | ug/l | 96 |
| 17) Carbon Disulfide | 4.110 | 76 | 295046 | 19.705 | ug/l | 100 |
| 18) Methyl Acetate | 4.391 | 43 | 39801 | 15.586 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 5.116 | 73 | 223019 | 19.715 | ug/l | 99 |
| 20) Methylene Chloride | 4.622 | 84 | 112698 | 20.165 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 5.116 | 96 | 108183 | 19.668 | ug/l | 98 |
| 22) Diisopropyl ether | 6.018 | 45 | 268058 | 20.260 | ug/l | 92 |
| 23) Vinyl Acetate | 5.964 | 43 | 743253 | 105.267 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 5.915 | 63 | 175299 | 19.888 | ug/l | 99 |
| 25) 2-Butanone | 6.896 | 43 | 143833 | 107.456 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 6.890 | 77 | 160319 | 19.773 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 6.890 | 96 | 123095 | 19.595 | ug/l | 100 |
| 28) Bromochloromethane | 7.250 | 49 | 68160 | 20.196 | ug/l | 99 |
| 29) Tetrahydrofuran | 7.262 | 42 | 70757 | 99.258 | ug/l | 100 |
| 30) Chloroform | 7.427 | 83 | 192666 | 19.591 | ug/l | 99 |
| 31) Cyclohexane | 7.701 | 56 | 152164 | 19.823 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 7.622 | 97 | 176895 | 20.125 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 7.835 | 75 | 136108 | 20.454 | ug/l | 99 |
| 37) Ethyl Acetate | 6.988 | 43 | 55113 | 21.394 | ug/l | 96 |
| 38) Carbon Tetrachloride | 7.823 | 117 | 160196 | 20.432 | ug/l | 98 |
| 39) Methylcyclohexane | 9.109 | 83 | 170328 | 20.032 | ug/l | 98 |
| 40) Benzene | 8.079 | 78 | 422366 | 20.136 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023754.D
Acq On : 12 Nov 2025 11:04
Operator : SY/MD
Sample : VY1112SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 14 03:35:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY1112SBS01

**Manual Integrations APPROVED**

Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.220 | 41 | 26488 | 18.837 | ug/l | | 93 |
| 42) 1,2-Dichloroethane | 8.158 | 62 | 107624 | 20.281 | ug/l | | 98 |
| 43) Isopropyl Acetate | 8.195 | 43 | 98243 | 20.297 | ug/l | | 98 |
| 44) Trichloroethene | 8.866 | 130 | 121333 | 20.140 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 91399 | 19.744 | ug/l | | 100 |
| 46) Dibromomethane | 9.231 | 93 | 56733 | 19.779 | ug/l | | 99 |
| 47) Bromodichloromethane | 9.426 | 83 | 146486 | 20.256 | ug/l | | 98 |
| 48) Methyl methacrylate | 9.225 | 41 | 42932 | 18.774 | ug/l | | 93 |
| 49) 1,4-Dioxane | 9.231 | 88 | 11767 | 400.867 | ug/l | # | 96 |
| 51) 4-Methyl-2-Pentanone | 9.999 | 43 | 266672 | 103.601 | ug/l | | 99 |
| 52) Toluene | 10.170 | 92 | 275871 | 20.601 | ug/l | | 97 |
| 53) t-1,3-Dichloropropene | 10.396 | 75 | 121908 | 19.923 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 9.859 | 75 | 146970 | 20.047 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 10.573 | 97 | 75882 | 19.796 | ug/l | | 98 |
| 56) Ethyl methacrylate | 10.438 | 69 | 85323 | 20.203 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 10.719 | 76 | 123192 | 20.262 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.713 | 63 | 192429 | 99.292 | ug/l | | 100 |
| 59) 2-Hexanone | 10.762 | 43 | 202789 | 107.985 | ug/l | | 99 |
| 60) Dibromochloromethane | 10.914 | 129 | 105980 | 20.122 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 11.018 | 107 | 72340 | 20.109 | ug/l | | 99 |
| 64) Tetrachloroethene | 10.646 | 164 | 144882 | 20.002 | ug/l | | 95 |
| 65) Chlorobenzene | 11.444 | 112 | 300999 | 19.868 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131 | 105628 | 19.717 | ug/l | | 98 |
| 67) Ethyl Benzene | 11.518 | 91 | 495224 | 20.197 | ug/l | | 97 |
| 68) m/p-Xylenes | 11.627 | 106 | 401550 | 40.988 | ug/l | | 100 |
| 69) o-Xylene | 11.956 | 106 | 179658 | 19.839 | ug/l | | 99 |
| 70) Styrene | 11.969 | 104 | 300983 | 20.144 | ug/l | | 100 |
| 71) Bromoform | 12.133 | 173 | 63763 | 20.379 | ug/l | # | 99 |
| 73) Isopropylbenzene | 12.255 | 105 | 475092 | 19.830 | ug/l | | 100 |
| 74) N-amyl acetate | 12.072 | 43 | 78890 | 19.449 | ug/l | | 97 |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83 | 75530 | 19.739 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 12.560 | 75 | 59053m | 20.369 | ug/l | | |
| 77) Bromobenzene | 12.536 | 156 | 121816 | 19.601 | ug/l | | 98 |
| 78) n-propylbenzene | 12.597 | 91 | 562853 | 19.972 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 12.682 | 91 | 322130 | 19.698 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 392909 | 20.184 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75 | 25027 | 19.509 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 12.779 | 91 | 338093 | 20.047 | ug/l | | 100 |
| 83) tert-Butylbenzene | 12.999 | 119 | 342262 | 19.305 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.042 | 105 | 390413 | 20.249 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.176 | 105 | 516942 | 20.215 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.292 | 119 | 432225 | 19.966 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.285 | 146 | 236767 | 19.357 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.365 | 146 | 235098 | 19.566 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.621 | 91 | 370888 | 19.703 | ug/l | | 100 |
| 90) Hexachloroethane | 13.883 | 117 | 90499 | 19.454 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 13.657 | 146 | 206816 | 19.620 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75 | 10802 | 18.334 | ug/l | | 95 |
| 93) 1,2,4-Trichlorobenzene | 14.919 | 180 | 112897 | 18.724 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 15.023 | 225 | 74687 | 18.905 | ug/l | | 98 |
| 95) Naphthalene | 15.145 | 128 | 164618 | 19.235 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.328 | 180 | 95857 | 19.028 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023754.D
Acq On : 12 Nov 2025 11:04
Operator : SY/MD
Sample : VY1112SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 14 03:35:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY1112SBS01

**Manual Integrations APPROVED**

Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

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

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

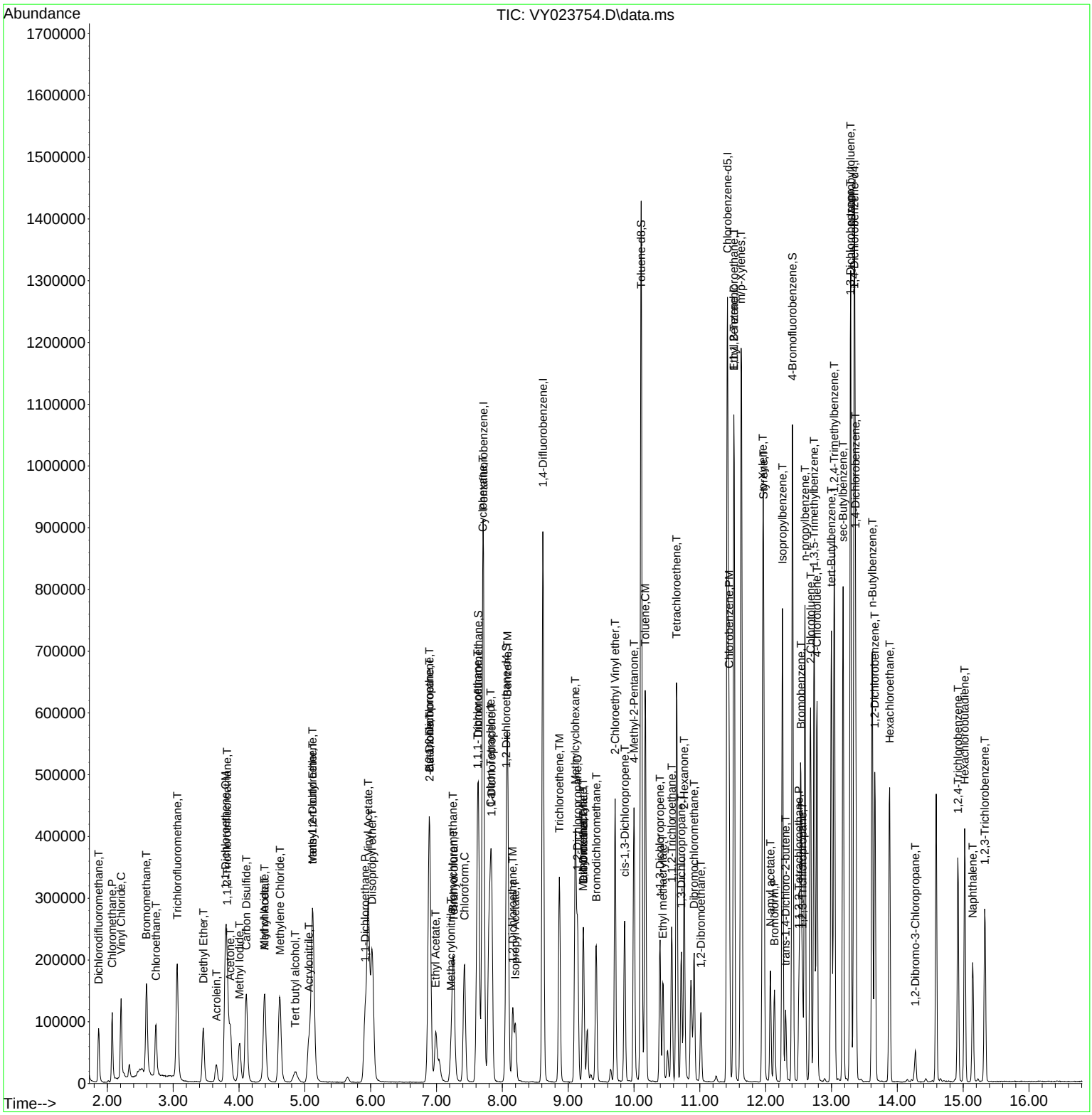
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023754.D
Acq On : 12 Nov 2025 11:04
Operator : SY/MD
Sample : VY1112SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 14 03:35:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 04:41:50 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY1112SBS01

**Manual Integrations APPROVED**

Reviewed By :Amit Patel 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032418.D
Acq On : 11 Nov 2025 10:21
Operator : SY/MD
Sample : VW1111SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 12 03:44:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW1111SBSD01

**Manual Integrations APPROVED**

Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.965 | 168 | 419398 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.849 | 114 | 800811 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.635 | 117 | 702782 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 321153 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.319 | 65 | 273700 | 50.619 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 63 - 155 | | Recovery = 101.240% | | | |
| 35) Dibromofluoromethane | 7.904 | 113 | 226016 | 47.139 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 70 - 134 | | Recovery = 94.280% | | | |
| 50) Toluene-d8 | 10.325 | 98 | 883581 | 48.037 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 123 | | Recovery = 96.080% | | | |
| 62) 4-Bromofluorobenzene | 12.617 | 95 | 324060 | 46.638 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 17 - 146 | | Recovery = 93.280% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.046 | 85 | 36690 | 17.243 | ug/l | 98 |
| 3) Chloromethane | 2.253 | 50 | 74732 | 20.490 | ug/l | 100 |
| 4) Vinyl Chloride | 2.405 | 62 | 93282 | 20.265 | ug/l | 98 |
| 5) Bromomethane | 2.814 | 94 | 64959 | 21.097 | ug/l | 93 |
| 6) Chloroethane | 2.966 | 64 | 61667 | 20.477 | ug/l | 96 |
| 7) Trichlorofluoromethane | 3.301 | 101 | 72929 | 20.208 | ug/l | 99 |
| 8) Diethyl Ether | 3.722 | 74 | 60006 | 20.337 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 4.106 | 101 | 78883 | 20.065 | ug/l | 99 |
| 10) Methyl Iodide | 4.307 | 142 | 130307 | 20.579 | ug/l | 98 |
| 11) Tert butyl alcohol | 5.216 | 59 | 46510 | 99.477 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 4.076 | 96 | 91532 | 20.305 | ug/l | 98 |
| 13) Acrolein | 3.936 | 56 | 83157 | 106.006 | ug/l | 100 |
| 14) Allyl chloride | 4.710 | 41 | 177040 | 20.422 | ug/l | 98 |
| 15) Acrylonitrile | 5.405 | 53 | 170008 | 99.653 | ug/l | 98 |
| 16) Acetone | 4.161 | 43 | 182602 | 112.881 | ug/l | 99 |
| 17) Carbon Disulfide | 4.417 | 76 | 273905 | 20.558 | ug/l | 97 |
| 18) Methyl Acetate | 4.710 | 43 | 79050 | 19.734 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 5.466 | 73 | 197454 | 20.779 | ug/l | 99 |
| 20) Methylene Chloride | 4.954 | 84 | 112776 | 19.494 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 5.460 | 96 | 105086 | 20.387 | ug/l | 98 |
| 22) Diisopropyl ether | 6.338 | 45 | 375229 | 21.259 | ug/l | 96 |
| 23) Vinyl Acetate | 6.283 | 43 | 1261647 | 104.330 | ug/l | 97 |
| 24) 1,1-Dichloroethane | 6.252 | 63 | 198973 | 20.576 | ug/l | 99 |
| 25) 2-Butanone | 7.197 | 43 | 253333 | 106.299 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 7.191 | 77 | 108403 | 20.114 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 7.197 | 96 | 125703 | 20.409 | ug/l | 98 |
| 28) Bromochloromethane | 7.532 | 49 | 93614 | 20.482 | ug/l | 99 |
| 29) Tetrahydrofuran | 7.551 | 42 | 153863 | 101.718 | ug/l | 99 |
| 30) Chloroform | 7.697 | 83 | 198684 | 20.988 | ug/l | 99 |
| 31) Cyclohexane | 7.971 | 56 | 178622 | 19.968 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 7.892 | 97 | 141908 | 20.984 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 8.099 | 75 | 140998 | 19.959 | ug/l | 99 |
| 37) Ethyl Acetate | 7.276 | 43 | 100549 | 19.141 | ug/l | 99 |
| 38) Carbon Tetrachloride | 8.081 | 117 | 124977 | 19.910 | ug/l | 91 |
| 39) Methylcyclohexane | 9.343 | 83 | 177867 | 19.435 | ug/l | 96 |
| 40) Benzene | 8.337 | 78 | 448366 | 19.708 | ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032418.D
Acq On : 11 Nov 2025 10:21
Operator : SY/MD
Sample : VW1111SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 12 03:44:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW1111SBSD01

**Manual Integrations APPROVED**

Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.502 | 41 | 59648 | 20.670 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 8.410 | 62 | 133173 | 19.929 | ug/l | | 99 |
| 43) Isopropyl Acetate | 8.435 | 43 | 184803 | 19.868 | ug/l | | 100 |
| 44) Trichloroethene | 9.099 | 130 | 103283 | 19.510 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 9.380 | 63 | 111670 | 19.713 | ug/l | | 99 |
| 46) Dibromomethane | 9.465 | 93 | 65788 | 19.874 | ug/l | | 96 |
| 47) Bromodichloromethane | 9.654 | 83 | 151191 | 20.022 | ug/l | | 98 |
| 48) Methyl methacrylate | 9.441 | 41 | 82916 | 18.759 | ug/l | | 95 |
| 49) 1,4-Dioxane | 9.471 | 88 | 17159 | 370.018 | ug/l | # | 89 |
| 51) 4-Methyl-2-Pentanone | 10.215 | 43 | 516256 | 100.397 | ug/l | | 100 |
| 52) Toluene | 10.392 | 92 | 277679 | 19.760 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 10.611 | 75 | 150828 | 19.395 | ug/l | | 95 |
| 54) cis-1,3-Dichloropropene | 10.081 | 75 | 174953 | 19.454 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 10.788 | 97 | 91425 | 20.132 | ug/l | | 94 |
| 56) Ethyl methacrylate | 10.648 | 69 | 133070 | 19.098 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 10.934 | 76 | 162811 | 20.073 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.928 | 63 | 374443 | 100.910 | ug/l | | 100 |
| 59) 2-Hexanone | 10.971 | 43 | 379060 | 100.756 | ug/l | | 99 |
| 60) Dibromochloromethane | 11.129 | 129 | 99792 | 19.678 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.239 | 107 | 87650 | 19.817 | ug/l | | 96 |
| 64) Tetrachloroethene | 10.867 | 164 | 85265 | 20.488 | ug/l | | 89 |
| 65) Chlorobenzene | 11.654 | 112 | 297697 | 19.653 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 11.733 | 131 | 92643 | 19.762 | ug/l | | 99 |
| 67) Ethyl Benzene | 11.727 | 91 | 525915 | 20.066 | ug/l | | 98 |
| 68) m/p-Xylenes | 11.837 | 106 | 403624 | 41.016 | ug/l | | 98 |
| 69) o-Xylene | 12.166 | 106 | 188000 | 19.953 | ug/l | | 100 |
| 70) Styrene | 12.178 | 104 | 319683 | 19.723 | ug/l | | 99 |
| 71) Bromoform | 12.349 | 173 | 54244 | 19.536 | ug/l | # | 99 |
| 73) Isopropylbenzene | 12.464 | 105 | 481887 | 20.430 | ug/l | | 98 |
| 74) N-amyl acetate | 12.269 | 43 | 164118 | 20.024 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83 | 115575 | 20.647 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.763 | 75 | 84270m | 19.137 | ug/l | | |
| 77) Bromobenzene | 12.745 | 156 | 109510 | 19.610 | ug/l | | 92 |
| 78) n-propylbenzene | 12.800 | 91 | 601404 | 20.937 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 12.891 | 91 | 363834 | 20.749 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.940 | 105 | 398351 | 20.471 | ug/l | | 98 |
| 81) trans-1,4-Dichloro-2-b... | 12.513 | 75 | 38164 | 19.850 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 12.989 | 91 | 377160 | 20.680 | ug/l | | 98 |
| 83) tert-Butylbenzene | 13.202 | 119 | 342260 | 20.219 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 13.245 | 105 | 409387 | 20.685 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.379 | 105 | 502121 | 19.918 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.495 | 119 | 417419 | 20.054 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.495 | 146 | 220539 | 20.829 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.574 | 146 | 223516 | 20.605 | ug/l | | 98 |
| 89) n-Butylbenzene | 13.818 | 91 | 412879 | 20.303 | ug/l | | 99 |
| 90) Hexachloroethane | 14.086 | 117 | 77624 | 20.684 | ug/l | | 90 |
| 91) 1,2-Dichlorobenzene | 13.867 | 146 | 203564 | 20.943 | ug/l | | 96 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.482 | 75 | 19683 | 20.411 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 15.129 | 180 | 123783 | 20.013 | ug/l | | 95 |
| 94) Hexachlorobutadiene | 15.226 | 225 | 54615 | 21.257 | ug/l | | 97 |
| 95) Naphthalene | 15.360 | 128 | 303247 | 19.660 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.549 | 180 | 113920 | 20.287 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032418.D
Acq On : 11 Nov 2025 10:21
Operator : SY/MD
Sample : VW1111SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 12 03:44:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW1111SBSD01

**Manual Integrations APPROVED**

Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

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

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

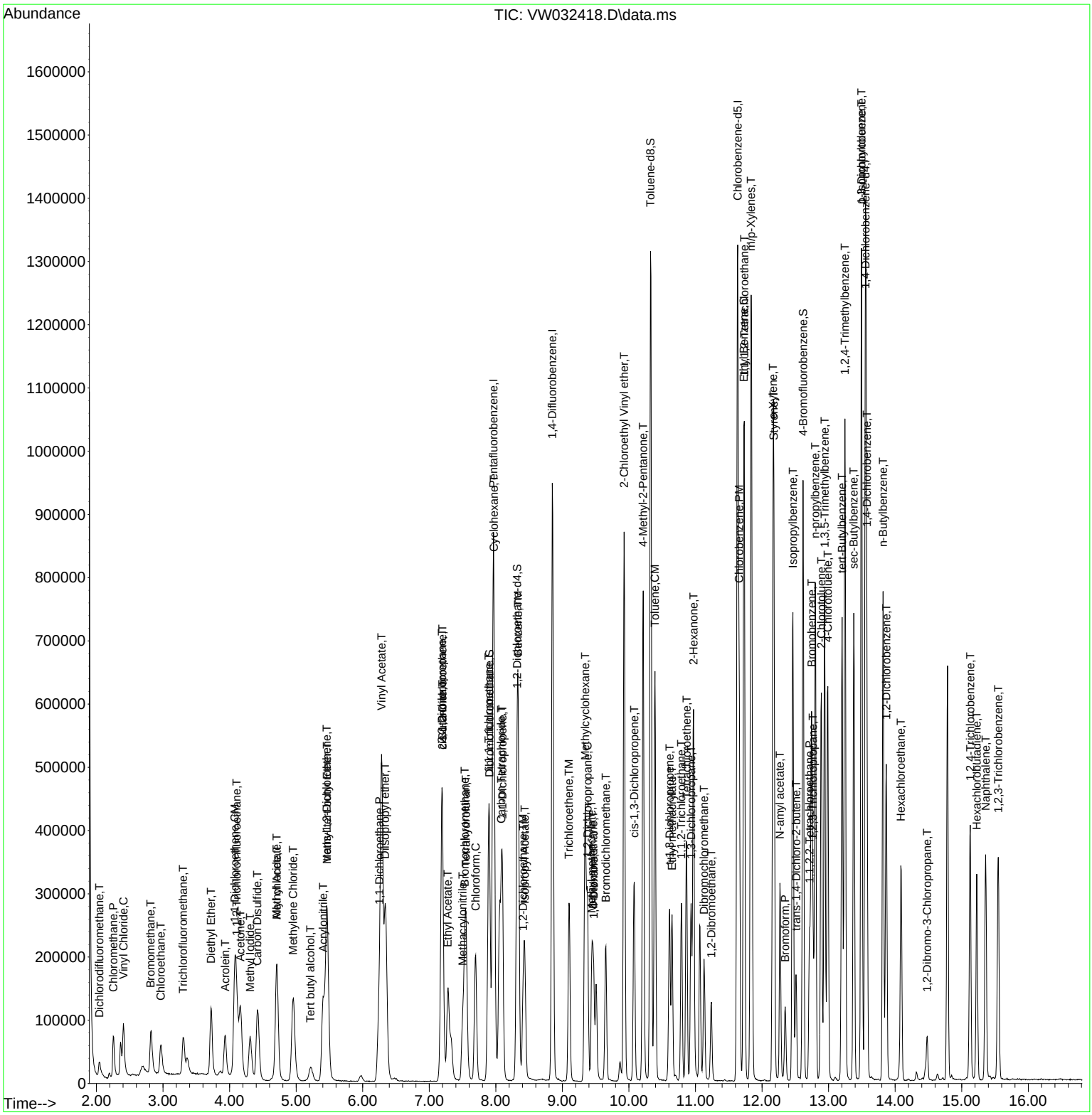
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Data File : VW032418.D
Acq On : 11 Nov 2025 10:21
Operator : SY/MD
Sample : VW1111SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 12 03:44:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW1111SBSD01

**Manual Integrations APPROVED**

Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



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



# Manual Integration Report

| Sequence: | VW111025 | Instrument | MSVOA_w |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDICC005 | VW032406.D | 1,2,3-Trichloropropane | Amit | 11/11/2025 9:30:31 AM | sam | 11/11/2025 12:29:21 PM | Peak Integrated by Software |
| VSTDICC005 | VW032406.D | Dichlorodifluoromethane | Amit | 11/11/2025 9:30:31 AM | sam | 11/11/2025 12:29:21 PM | Peak Integrated by Software |
| VSTDICC010 | VW032407.D | 1,2,3-Trichloropropane | Amit | 11/11/2025 9:30:35 AM | sam | 11/11/2025 12:29:25 PM | Peak Integrated by Software |
| VSTDICC010 | VW032407.D | Dichlorodifluoromethane | Amit | 11/11/2025 9:30:35 AM | sam | 11/11/2025 12:29:25 PM | Peak Integrated by Software |
| VSTDICC020 | VW032408.D | 1,2,3-Trichloropropane | Amit | 11/11/2025 9:30:39 AM | sam | 11/11/2025 12:30:15 PM | Peak Integrated by Software |
| VSTDICCC050 | VW032409.D | 1,2,3-Trichloropropane | Amit | 11/11/2025 9:30:43 AM | sam | 11/11/2025 12:29:38 PM | Peak Integrated by Software |
| VSTDICC100 | VW032410.D | 1,2,3-Trichloropropane | Amit | 11/11/2025 9:30:48 AM | sam | 11/11/2025 12:30:21 PM | Peak Integrated by Software |
| VSTDICC150 | VW032411.D | 1,2,3-Trichloropropane | Amit | 11/11/2025 9:30:52 AM | sam | 11/11/2025 12:29:30 PM | Peak Integrated by Software |
| VSTDICV050 | VW032413.D | 1,2,3-Trichloropropane | Amit | 11/11/2025 9:30:57 AM | sam | 11/11/2025 12:29:34 PM | Peak Integrated by Software |

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



# Manual Integration Report

| Sequence: | VW111125 | Instrument | MSVOA_w |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDCCC050 | VW032415.D | 1,2,3-Trichloropropane | Amit | 11/12/2025 3:51:57 PM | MMDadoda | 11/12/2025 3:52:24 PM | Peak Integrated by Software |
| VW1111SBS01 | VW032417.D | 1,2,3-Trichloropropane | Amit | 11/12/2025 3:52:00 PM | MMDadoda | 11/12/2025 3:52:27 PM | Peak Integrated by Software |
| VW1111SBS01 | VW032417.D | Tert butyl alcohol | Amit | 11/12/2025 3:52:00 PM | MMDadoda | 11/12/2025 3:52:27 PM | Peak Integrated by Software |
| VW1111SBSD01 | VW032418.D | 1,2,3-Trichloropropane | Amit | 11/12/2025 3:52:04 PM | MMDadoda | 11/12/2025 3:52:32 PM | Peak Integrated by Software |
| Q3586-01 | VW032427.D | Tert butyl alcohol | Amit | 11/12/2025 3:52:19 PM | MMDadoda | 11/12/2025 3:53:27 PM | Peak Integrated by Software |
| VSTDCCC050 | VW032435.D | 1,2,3-Trichloropropane | Amit | 11/12/2025 3:52:30 PM | MMDadoda | 11/12/2025 3:53:39 PM | Peak Integrated by Software |

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



# Manual Integration Report

| Sequence: | VY110425 | Instrument | MSVOA_y |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDICC005 | VY023661.D | 1,2,3-Trichloropropane | Amit | 11/5/2025 2:39:41 PM | MMDadoda | 11/5/2025 2:42:20 PM | Peak Integrated by Software |
| VSTDICC010 | VY023662.D | 1,2,3-Trichloropropane | Amit | 11/5/2025 2:39:45 PM | MMDadoda | 11/5/2025 2:42:23 PM | Peak Integrated by Software |
| VSTDICC010 | VY023662.D | Methacrylonitrile | Amit | 11/5/2025 2:39:45 PM | MMDadoda | 11/5/2025 2:42:23 PM | Peak Integrated by Software |
| VSTDICC020 | VY023663.D | 1,2,3-Trichloropropane | Amit | 11/5/2025 2:39:50 PM | MMDadoda | 11/5/2025 2:42:26 PM | Peak Integrated by Software |
| VSTDICC020 | VY023663.D | Methacrylonitrile | Amit | 11/5/2025 2:39:50 PM | MMDadoda | 11/5/2025 2:42:26 PM | Peak Integrated by Software |
| VSTDICCC050 | VY023664.D | 1,2,3-Trichloropropane | Amit | 11/5/2025 2:39:54 PM | MMDadoda | 11/5/2025 2:42:29 PM | Peak Integrated by Software |
| VSTDICC100 | VY023665.D | 1,2,3-Trichloropropane | Amit | 11/5/2025 2:41:22 PM | MMDadoda | 11/5/2025 2:42:32 PM | Peak Integrated by Software |
| VSTDICC150 | VY023666.D | 1,2,3-Trichloropropane | Amit | 11/5/2025 2:39:59 PM | MMDadoda | 11/5/2025 2:42:36 PM | Peak Integrated by Software |
| VSTDICV050 | VY023668.D | 1,2,3-Trichloropropane | Amit | 11/5/2025 2:40:02 PM | MMDadoda | 11/5/2025 2:42:40 PM | Peak Integrated by Software |
| VSTDCCC050 | VY023677.D | 1,2,3-Trichloropropane | Amit | 11/5/2025 2:41:12 PM | MMDadoda | 11/5/2025 2:42:58 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | VY111225 | Instrument | MSVOA_y |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDCCC050 | VY023752.D | 1,2,3-Trichloropropane | Amit | 11/14/2025 9:57:17 AM | MMDadoda | 11/14/2025 10:52:53 AM | Peak Integrated by Software |
| VSTDCCC050 | VY023752.D | Methacrylonitrile | Amit | 11/14/2025 9:57:17 AM | MMDadoda | 11/14/2025 10:52:53 AM | Peak Integrated by Software |
| VY1112SBS01 | VY023754.D | 1,2,3-Trichloropropane | Amit | 11/14/2025 9:57:20 AM | MMDadoda | 11/14/2025 10:52:56 AM | Peak Integrated by Software |
| Q3586-01RE | VY023759.D | Acetone | Amit | 11/14/2025 9:57:26 AM | MMDadoda | 11/14/2025 10:53:03 AM | Peak Integrated by Software |
| VSTDCCC050 | VY023772.D | 1,2,3-Trichloropropane | Amit | 11/14/2025 9:57:30 AM | MMDadoda | 11/14/2025 10:53:06 AM | Peak Integrated by Software |
| VSTDCCC050 | VY023772.D | Methacrylonitrile | Amit | 11/14/2025 9:57:30 AM | MMDadoda | 11/14/2025 10:53:06 AM | Peak Integrated by Software |

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**Instrument ID: MSVOA_W**

## Daily Analysis Runlog For Sequence/QCBatch ID # VW111025

| | | | | | |
|---|---|---|---|---|---|
| Review By | Amit Patel | Review On | 11/11/2025 7:21:42 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 11/17/2025 1:37:22 PM | | |
| SubDirectory | VW111025 | HP Acquire Method | VP134934 | HP Processing Method | 82w111025s.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP136122 |
| Initial Calibration Stds | VP136123,VP136124,VP136125,VP136126,VP136127,VP136128 |
| CCC | |
| Internal Standard/PEM | VP133934 |
| ICV/I.BLK | VP136129 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VW032405.D | 10 Nov 2025 14:20 | SY/MD | Ok |
| 2 | VSTDICC005 | VW032406.D | 10 Nov 2025 15:11 | SY/MD | Ok,M |
| 3 | VSTDICC010 | VW032407.D | 10 Nov 2025 15:33 | SY/MD | Ok,M |
| 4 | VSTDICC020 | VW032408.D | 10 Nov 2025 15:55 | SY/MD | Ok,M |
| 5 | VSTDICCC050 | VW032409.D | 10 Nov 2025 16:17 | SY/MD | Ok,M |
| 6 | VSTDICC100 | VW032410.D | 10 Nov 2025 16:39 | SY/MD | Ok,M |
| 7 | VSTDICC150 | VW032411.D | 10 Nov 2025 17:00 | SY/MD | Ok,M |
| 8 | VIBLK | VW032412.D | 10 Nov 2025 17:22 | SY/MD | Ok |
| 9 | VSTDICV050 | VW032413.D | 10 Nov 2025 17:44 | SY/MD | Ok,M |

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**Instrument ID: MSVOA_W**

## Daily Analysis Runlog For Sequence/QCBatch ID # VW111125

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Amit Patel | Review On | 11/13/2025 1:51:53 PM | | | | |
| Supervise By | Mahesh Dadoda | Supervise On | 11/13/2025 1:52:16 PM | | | | |
| SubDirectory | VW111125 | HP Acquire Method | MSVOA_W | | HP Processing Method | 82w111025s.m | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP136131 |
| Initial Calibration Stds | |
| CCC | VP136134,VP136135,LOD VP136136,VP136137,LOQ VP136138 |
| Internal Standard/PEM | VP133934 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VW032414.D | 11 Nov 2025 07:26 | SY/MD | Ok |
| 2 | VSTDCCC050 | VW032415.D | 11 Nov 2025 08:31 | SY/MD | Ok,M |
| 3 | VW1111SBL01 | VW032416.D | 11 Nov 2025 09:34 | SY/MD | Ok |
| 4 | VW1111SBS01 | VW032417.D | 11 Nov 2025 10:00 | SY/MD | Ok,M |
| 5 | VW1111SBSD01 | VW032418.D | 11 Nov 2025 10:21 | SY/MD | Ok,M |
| 6 | Q3483-23 | VW032419.D | 11 Nov 2025 11:01 | SY/MD | Not Ok |
| 7 | VIBLK | VW032420.D | 11 Nov 2025 11:22 | SY/MD | Ok |
| 8 | Q3483-23DL | VW032421.D | 11 Nov 2025 11:44 | SY/MD | Not Ok |
| 9 | Q3530-01 | VW032422.D | 11 Nov 2025 12:06 | SY/MD | Ok,M |
| 10 | Q3530-01 | VW032423.D | 11 Nov 2025 12:28 | SY/MD | Ok,M |
| 11 | Q3530-02 | VW032424.D | 11 Nov 2025 12:49 | SY/MD | Ok,M |
| 12 | Q3583-04 | VW032425.D | 11 Nov 2025 13:11 | SY/MD | Ok |
| 13 | Q3582-04 | VW032426.D | 11 Nov 2025 13:32 | SY/MD | ReRun |
| 14 | Q3586-01 | VW032427.D | 11 Nov 2025 13:54 | SY/MD | ReRun |
| 15 | Q3586-02 | VW032428.D | 11 Nov 2025 14:15 | SY/MD | ReRun |
| 16 | Q3586-03 | VW032429.D | 11 Nov 2025 14:37 | SY/MD | ReRun |
| 17 | Q3590-02 | VW032430.D | 11 Nov 2025 14:59 | SY/MD | Dilution |
| 18 | Q3599-01 | VW032431.D | 11 Nov 2025 15:21 | SY/MD | ReRun |
| 19 | Q3600-01 | VW032432.D | 11 Nov 2025 15:43 | SY/MD | ReRun |
| 20 | Q3598-01 | VW032433.D | 11 Nov 2025 16:05 | SY/MD | ReRun |
| 21 | VIBLK | VW032434.D | 11 Nov 2025 16:27 | SY/MD | Ok |

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**Instrument ID: MSVOA_W**

## Daily Analysis Runlog For Sequence/QCBatch ID # VW111125

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Amit Patel | Review On | 11/13/2025 1:51:53 PM | | | | |
| Supervise By | Mahesh Dadoda | Supervise On | 11/13/2025 1:52:16 PM | | | | |
| SubDirectory | VW111125 | HP Acquire Method | MSVOA_W | HP Processing Method | 82w111025s.m | | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP136131 |
| Initial Calibration Stds | |
| CCC | VP136134,VP136135,LOD VP136136,VP136137,LOQ VP136138 |
| Internal Standard/PEM | VP133934 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | VSTDCCC050 | VW032435.D | 11 Nov 2025 16:49 | SY/MD | Ok,M |

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**Instrument ID: MSVOA_Y**

## Daily Analysis Runlog For Sequence/QCBatch ID # VY110425

| | | | | | |
|---|---|---|---|---|---|
| Review By | Amit Patel | Review On | 11/5/2025 2:42:53 PM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 11/6/2025 8:39:21 AM | | |
| SubDirectory | VY110425 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y110425s.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP136031 |
| Initial Calibration Stds | VP136032,VP136033,VP136034,VP136035,VP136036,VP136037 |
| CCC | VP136050,LOD VP136051,VP136052,LOQ VP136053 |
| Internal Standard/PEM | VP133934 |
| ICV/I.BLK | VP136038 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VY023660.D | 04 Nov 2025 08:11 | SY/MD | Ok |
| 2 | VSTDICC005 | VY023661.D | 04 Nov 2025 09:19 | SY/MD | Ok,M |
| 3 | VSTDICC010 | VY023662.D | 04 Nov 2025 09:42 | SY/MD | Ok,M |
| 4 | VSTDICC020 | VY023663.D | 04 Nov 2025 10:19 | SY/MD | Ok,M |
| 5 | VSTDICCC050 | VY023664.D | 04 Nov 2025 10:42 | SY/MD | Ok,M |
| 6 | VSTDICC100 | VY023665.D | 04 Nov 2025 11:05 | SY/MD | Ok,M |
| 7 | VSTDICC150 | VY023666.D | 04 Nov 2025 11:27 | SY/MD | Ok,M |
| 8 | VIBLK | VY023667.D | 04 Nov 2025 11:51 | SY/MD | Ok |
| 9 | VSTDICV050 | VY023668.D | 04 Nov 2025 12:14 | SY/MD | Ok,M |
| 10 | VY1104SBL01 | VY023669.D | 04 Nov 2025 12:37 | SY/MD | Ok |
| 11 | VY1104SBS01 | VY023670.D | 04 Nov 2025 13:14 | SY/MD | Ok,M |
| 12 | VY1104SBSD01 | VY023671.D | 04 Nov 2025 13:37 | SY/MD | Ok,M |
| 13 | Q3530-01 | VY023672.D | 04 Nov 2025 14:08 | SY/MD | Ok,M |
| 14 | Q3530-01 | VY023673.D | 04 Nov 2025 14:31 | SY/MD | Ok,M |
| 15 | Q3530-02 | VY023674.D | 04 Nov 2025 14:53 | SY/MD | Ok,M |
| 16 | Q3532-03 | VY023675.D | 04 Nov 2025 15:16 | SY/MD | Ok |
| 17 | Q3532-07 | VY023676.D | 04 Nov 2025 15:40 | SY/MD | Ok |
| 18 | VSTDCCC050 | VY023677.D | 04 Nov 2025 16:26 | SY/MD | Ok,M |

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**Instrument ID: MSVOA_Y**

## Daily Analysis Runlog For Sequence/QCBatch ID # VY111225

| | | | | | |
|---|---|---|---|---|---|
| Review By | Amit Patel | Review On | 11/14/2025 12:33:40 PM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 11/17/2025 9:25:17 AM | | |
| SubDirectory | VY111225 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y110425s.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP136179 |
| Initial Calibration Stds | |
| CCC | VP136182,VP136183 |
| Internal Standard/PEM | VP136146 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VY023751.D | 12 Nov 2025 09:23 | SY/MD | Ok |
| 2 | VSTDCCC050 | VY023752.D | 12 Nov 2025 10:01 | SY/MD | Ok,M |
| 3 | VY1112SBL01 | VY023753.D | 12 Nov 2025 10:37 | SY/MD | Ok |
| 4 | VY1112SBS01 | VY023754.D | 12 Nov 2025 11:04 | SY/MD | Ok,M |
| 5 | VY1112SBSD01 | VY023755.D | 12 Nov 2025 11:27 | SY/MD | Ok,M |
| 6 | Q3599-01 | VY023756.D | 12 Nov 2025 12:04 | SY/MD | Ok,M |
| 7 | Q3598-01 | VY023757.D | 12 Nov 2025 12:27 | SY/MD | Ok |
| 8 | Q3582-04RE | VY023758.D | 12 Nov 2025 12:51 | SY/MD | Confirms |
| 9 | Q3586-01RE | VY023759.D | 12 Nov 2025 13:14 | SY/MD | Confirms |
| 10 | Q3586-02RE | VY023760.D | 12 Nov 2025 13:38 | SY/MD | Confirms |
| 11 | Q3586-03 | VY023761.D | 12 Nov 2025 14:01 | SY/MD | Ok |
| 12 | Q3600-01 | VY023762.D | 12 Nov 2025 14:24 | SY/MD | Ok |
| 13 | Q3609-02 | VY023763.D | 12 Nov 2025 14:57 | SY/MD | Ok |
| 14 | Q3609-05 | VY023764.D | 12 Nov 2025 15:21 | SY/MD | Ok |
| 15 | Q3609-08 | VY023765.D | 12 Nov 2025 15:44 | SY/MD | Ok |
| 16 | Q3609-11 | VY023766.D | 12 Nov 2025 16:08 | SY/MD | Ok |
| 17 | Q3609-14 | VY023767.D | 12 Nov 2025 16:31 | SY/MD | Ok |
| 18 | Q3614-01 | VY023768.D | 12 Nov 2025 16:55 | SY/MD | Ok |
| 19 | Q3614-02 | VY023769.D | 12 Nov 2025 17:18 | SY/MD | Ok |
| 20 | Q3614-03 | VY023770.D | 12 Nov 2025 17:42 | SY/MD | Ok |
| 21 | VIBLK | VY023771.D | 12 Nov 2025 18:05 | SY/MD | Ok |

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**Instrument ID: MSVOA_Y**

## Daily Analysis Runlog For Sequence/QCBatch ID # VY111225

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Amit Patel | Review On | 11/14/2025 12:33:40 PM | | | | |
| Supervise By | Mahesh Dadoda | Supervise On | 11/17/2025 9:25:17 AM | | | | |
| SubDirectory | VY111225 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y110425s.m | | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP136179 |
| Initial Calibration Stds | |
| CCC | VP136182,VP136183 |
| Internal Standard/PEM | VP136146 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | VSTDCCC050 | VY023772.D | 12 Nov 2025 18:28 | SY/MD | Ok,M |

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**Instrument ID:** MSVOA_W

## Daily Analysis Runlog For Sequence/QCBatch ID # VW111025

| | | | | | |
|---|---|---|---|---|---|
| Review By | Amit Patel | Review On | 11/11/2025 7:21:42 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 11/17/2025 1:37:22 PM | | |
| SubDirectory | VW111025 | HP Acquire Method | VP134934 | HP Processing Method | 82w111025s.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP136122 |
| Initial Calibration Stds | VP136123,VP136124,VP136125,VP136126,VP136127,VP136128 |
| CCC | |
| Internal Standard/PEM | VP133934 |
| ICV/I.BLK | VP136129 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VW032405.D | 10 Nov 2025 14:20 | | SY/MD | Ok |
| 2 | VSTDICC005 | VSTDICC005 | VW032406.D | 10 Nov 2025 15:11 | | SY/MD | Ok,M |
| 3 | VSTDICC010 | VSTDICC010 | VW032407.D | 10 Nov 2025 15:33 | | SY/MD | Ok,M |
| 4 | VSTDICC020 | VSTDICC020 | VW032408.D | 10 Nov 2025 15:55 | | SY/MD | Ok,M |
| 5 | VSTDICCC050 | VSTDICCC050 | VW032409.D | 10 Nov 2025 16:17 | | SY/MD | Ok,M |
| 6 | VSTDICC100 | VSTDICC100 | VW032410.D | 10 Nov 2025 16:39 | | SY/MD | Ok,M |
| 7 | VSTDICC150 | VSTDICC150 | VW032411.D | 10 Nov 2025 17:00 | | SY/MD | Ok,M |
| 8 | VIBLK | VIBLK | VW032412.D | 10 Nov 2025 17:22 | | SY/MD | Ok |
| 9 | VSTDICV050 | ICVVW111025 | VW032413.D | 10 Nov 2025 17:44 | | SY/MD | Ok,M |

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**Instrument ID:** MSVOA_W

## Daily Analysis Runlog For Sequence/QCBatch ID # VW111125

| | | | | | | |
|---|---|---|---|---|---|---|
| Review By | Amit Patel | Review On | 11/13/2025 1:51:53 PM | | | |
| Supervise By | Mahesh Dadoda | Supervise On | 11/13/2025 1:52:16 PM | | | |
| SubDirectory | VW111125 | HP Acquire Method | MSVOA_W | HP Processing Method | 82w111025s.m | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP136131 |
| Initial Calibration Stds | |
| CCC | VP136134,VP136135,LOD VP136136,VP136137,LOQ VP136138 |
| Internal Standard/PEM | VP133934 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VW032414.D | 11 Nov 2025 07:26 | | SY/MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VW032415.D | 11 Nov 2025 08:31 | | SY/MD | Ok,M |
| 3 | VW1111SBL01 | VW1111SBL01 | VW032416.D | 11 Nov 2025 09:34 | | SY/MD | Ok |
| 4 | VW1111SBS01 | VW1111SBS01 | VW032417.D | 11 Nov 2025 10:00 | | SY/MD | Ok,M |
| 5 | VW1111SBSD01 | VW1111SBSD01 | VW032418.D | 11 Nov 2025 10:21 | | SY/MD | Ok,M |
| 6 | Q3483-23 | HW1025-PT-VOA-SOIL | VW032419.D | 11 Nov 2025 11:01 | Need 4X;Already analyzed | SY/MD | Not Ok |
| 7 | VIBLK | VIBLK | VW032420.D | 11 Nov 2025 11:22 | | SY/MD | Ok |
| 8 | Q3483-23DL | HW1025-PT-VOA-SOIL | VW032421.D | 11 Nov 2025 11:44 | Already analyzed | SY/MD | Not Ok |
| 9 | Q3530-01 | LOD-MDL-SOIL-01-QT | VW032422.D | 11 Nov 2025 12:06 | | SY/MD | Ok,M |
| 10 | Q3530-01 | LOD-MDL-SOIL-01-QT | VW032423.D | 11 Nov 2025 12:28 | | SY/MD | Ok,M |
| 11 | Q3530-02 | LOQ-SOIL-02-QT4-202 | VW032424.D | 11 Nov 2025 12:49 | | SY/MD | Ok,M |
| 12 | Q3583-04 | CHRT27080 | VW032425.D | 11 Nov 2025 13:11 | vial-A | SY/MD | Ok |
| 13 | Q3582-04 | RT4912 | VW032426.D | 11 Nov 2025 13:32 | vial-A Internal Standard Fail | SY/MD | ReRun |
| 14 | Q3586-01 | SED-1 | VW032427.D | 11 Nov 2025 13:54 | vial-A Surrogate Fail | SY/MD | ReRun |
| 15 | Q3586-02 | SED-2 | VW032428.D | 11 Nov 2025 14:15 | vial-A Surrogate Fail | SY/MD | ReRun |
| 16 | Q3586-03 | SED-3 | VW032429.D | 11 Nov 2025 14:37 | vial-A Surrogate Fail | SY/MD | ReRun |
| 17 | Q3590-02 | MOO-25-0314-0316-CC | VW032430.D | 11 Nov 2025 14:59 | vial-A Internal Standard Fail;Need MeOH | SY/MD | Dilution |

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**Instrument ID:** MSVOA_W

## Daily Analysis Runlog For Sequence/QCBatch ID # VW111125

| | | | | | |
|---|---|---|---|---|---|
| Review By | Amit Patel | Review On | 11/13/2025 1:51:53 PM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 11/13/2025 1:52:16 PM | | |
| SubDirectory | VW111125 | HP Acquire Method | MSVOA_W | HP Processing Method | 82w111025s.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP136131 |
| Initial Calibration Stds | |
| CCC | VP136134,VP136135,LOD VP136136,VP136137,LOQ VP136138 |
| Internal Standard/PEM | VP133934 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Q3599-01 | LIVINGSTON-SOIL | VW032431.D | 11 Nov 2025 15:21 | vial-A Surrogate Fail | SY/MD | ReRun |
| 19 | Q3600-01 | CENTRAL-ROW-CONC | VW032432.D | 11 Nov 2025 15:43 | vial-A Surrogate Fail | SY/MD | ReRun |
| 20 | Q3598-01 | EO-CONCRETE | VW032433.D | 11 Nov 2025 16:05 | vial-A Surrogate Fail | SY/MD | ReRun |
| 21 | VIBLK | VIBLK | VW032434.D | 11 Nov 2025 16:27 | | SY/MD | Ok |
| 22 | VSTDCCC050 | VSTDCCC050EC | VW032435.D | 11 Nov 2025 16:49 | | SY/MD | Ok,M |

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**Instrument ID:** MSVOA_Y

## Daily Analysis Runlog For Sequence/QCBatch ID # VY110425

| | | | | | |
|---|---|---|---|---|---|
| Review By | Amit Patel | Review On | 11/5/2025 2:42:53 PM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 11/6/2025 8:39:21 AM | | |
| SubDirectory | VY110425 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y110425s.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP136031 |
| Initial Calibration Stds | VP136032,VP136033,VP136034,VP136035,VP136036,VP136037 |
| CCC | VP136050,LOD VP136051,VP136052,LOQ VP136053 |
| Internal Standard/PEM | VP133934 |
| ICV/I.BLK | VP136038 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VY023660.D | 04 Nov 2025 08:11 | | SY/MD | Ok |
| 2 | VSTDICC005 | VSTDICC005 | VY023661.D | 04 Nov 2025 09:19 | | SY/MD | Ok,M |
| 3 | VSTDICC010 | VSTDICC010 | VY023662.D | 04 Nov 2025 09:42 | | SY/MD | Ok,M |
| 4 | VSTDICC020 | VSTDICC020 | VY023663.D | 04 Nov 2025 10:19 | | SY/MD | Ok,M |
| 5 | VSTDICCC050 | VSTDICCC050 | VY023664.D | 04 Nov 2025 10:42 | Comp. #95 on Linear Regression | SY/MD | Ok,M |
| 6 | VSTDICC100 | VSTDICC100 | VY023665.D | 04 Nov 2025 11:05 | | SY/MD | Ok,M |
| 7 | VSTDICC150 | VSTDICC150 | VY023666.D | 04 Nov 2025 11:27 | | SY/MD | Ok,M |
| 8 | VIBLK | VIBLK | VY023667.D | 04 Nov 2025 11:51 | | SY/MD | Ok |
| 9 | VSTDICV050 | ICVVY110425 | VY023668.D | 04 Nov 2025 12:14 | | SY/MD | Ok,M |
| 10 | VY1104SBL01 | VY1104SBL01 | VY023669.D | 04 Nov 2025 12:37 | | SY/MD | Ok |
| 11 | VY1104SBS01 | VY1104SBS01 | VY023670.D | 04 Nov 2025 13:14 | | SY/MD | Ok,M |
| 12 | VY1104SBSD01 | VY1104SBSD01 | VY023671.D | 04 Nov 2025 13:37 | | SY/MD | Ok,M |
| 13 | Q3530-01 | LOD-MDL-SOIL-01-QT | VY023672.D | 04 Nov 2025 14:08 | | SY/MD | Ok,M |
| 14 | Q3530-01 | LOD-MDL-SOIL-01-QT | VY023673.D | 04 Nov 2025 14:31 | | SY/MD | Ok,M |
| 15 | Q3530-02 | LOQ-SOIL-02-QT4-202 | VY023674.D | 04 Nov 2025 14:53 | | SY/MD | Ok,M |
| 16 | Q3532-03 | TP-1-VOC | VY023675.D | 04 Nov 2025 15:16 | vial-A | SY/MD | Ok |
| 17 | Q3532-07 | TP-2-VOC | VY023676.D | 04 Nov 2025 15:40 | vial-A | SY/MD | Ok |
| 18 | VSTDCCC050 | VSTDCCC050EC | VY023677.D | 04 Nov 2025 16:26 | | SY/MD | Ok,M |

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Fax : 908 789 8922



**Instrument ID:** MSVOA_Y

## Daily Analysis Runlog For Sequence/QCBatch ID # VY110425

| | | | | | |
|---|---|---|---|---|---|
| Review By | Amit Patel | Review On | 11/5/2025 2:42:53 PM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 11/6/2025 8:39:21 AM | | |
| SubDirectory | VY110425 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y110425s.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP136031 |
| Initial Calibration Stds | VP136032,VP136033,VP136034,VP136035,VP136036,VP136037 |
| CCC | VP136050,LOD VP136051,VP136052,LOQ VP136053 |
| Internal Standard/PEM | VP133934 |
| ICV/I.BLK | VP136038 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

M : Manual Integration

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**Instrument ID:** MSVOA_Y

## Daily Analysis Runlog For Sequence/QCBatch ID # VY111225

| | | | | | |
|---|---|---|---|---|---|
| Review By | Amit Patel | Review On | 11/14/2025 12:33:40 PM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 11/17/2025 9:25:17 AM | | |
| SubDirectory | VY111225 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y110425s.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP136179 |
| Initial Calibration Stds | |
| CCC | VP136182,VP136183 |
| Internal Standard/PEM | VP136146 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VY023751.D | 12 Nov 2025 09:23 | | SY/MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VY023752.D | 12 Nov 2025 10:01 | | SY/MD | Ok,M |
| 3 | VY1112SBL01 | VY1112SBL01 | VY023753.D | 12 Nov 2025 10:37 | | SY/MD | Ok |
| 4 | VY1112SBS01 | VY1112SBS01 | VY023754.D | 12 Nov 2025 11:04 | | SY/MD | Ok,M |
| 5 | VY1112SBSD01 | VY1112SBSD01 | VY023755.D | 12 Nov 2025 11:27 | | SY/MD | Ok,M |
| 6 | Q3599-01 | LIVINGSTON-SOIL | VY023756.D | 12 Nov 2025 12:04 | vial-B | SY/MD | Ok,M |
| 7 | Q3598-01 | EO-CONCRETE | VY023757.D | 12 Nov 2025 12:27 | vial-B | SY/MD | Ok |
| 8 | Q3582-04RE | RT4912RE | VY023758.D | 12 Nov 2025 12:51 | vial-B Surrogate Fail;Internal Standard Fail | SY/MD | Confirms |
| 9 | Q3586-01RE | SED-1RE | VY023759.D | 12 Nov 2025 13:14 | vial-B Internal Standard Fail | SY/MD | Confirms |
| 10 | Q3586-02RE | SED-2RE | VY023760.D | 12 Nov 2025 13:38 | vial-B Surrogate Fail;Internal Standard Fail | SY/MD | Confirms |
| 11 | Q3586-03 | SED-3 | VY023761.D | 12 Nov 2025 14:01 | vial-B | SY/MD | Ok |
| 12 | Q3600-01 | CENTRAL-ROW-CONC | VY023762.D | 12 Nov 2025 14:24 | vial-B | SY/MD | Ok |
| 13 | Q3609-02 | AU-713-VOC-01 | VY023763.D | 12 Nov 2025 14:57 | vial-A | SY/MD | Ok |
| 14 | Q3609-05 | AU-713-VOC-02 | VY023764.D | 12 Nov 2025 15:21 | vial-A | SY/MD | Ok |
| 15 | Q3609-08 | AU-713-VOC-03 | VY023765.D | 12 Nov 2025 15:44 | vial-A | SY/MD | Ok |
| 16 | Q3609-11 | AU-713-VOC-04 | VY023766.D | 12 Nov 2025 16:08 | vial-A | SY/MD | Ok |
| 17 | Q3609-14 | AU-713-VOC-05 | VY023767.D | 12 Nov 2025 16:31 | vial-A | SY/MD | Ok |

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**Instrument ID:** MSVOA_Y

## Daily Analysis Runlog For Sequence/QCBatch ID # VY111225

| | | | | | |
|---|---|---|---|---|---|
| Review By | Amit Patel | Review On | 11/14/2025 12:33:40 PM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 11/17/2025 9:25:17 AM | | |
| SubDirectory | VY111225 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y110425s.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP136179 |
| Initial Calibration Stds | |
| CCC | VP136182,VP136183 |
| Internal Standard/PEM | VP136146 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Q3614-01 | COMP-1 | VY023768.D | 12 Nov 2025 16:55 | vial-A | SY/MD | Ok |
| 19 | Q3614-02 | COMP-2 | VY023769.D | 12 Nov 2025 17:18 | vial-A | SY/MD | Ok |
| 20 | Q3614-03 | COMP-3 | VY023770.D | 12 Nov 2025 17:42 | vial-A | SY/MD | Ok |
| 21 | VIBLK | VIBLK | VY023771.D | 12 Nov 2025 18:05 | | SY/MD | Ok |
| 22 | VSTDCCC050 | VSTDCCC050EC | VY023772.D | 12 Nov 2025 18:28 | | SY/MD | Ok,M |

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q3586 | **OrderDate:** | 11/7/2025 3:20:00 PM |
| **Client:** | Remington & Vernick Engineers | **Project:** | Edison Landfill |
| **Contact:** | Kyle Carlson | **Location:** | D31 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q3586-01** | **SED-1** | **SOIL** | | | **11/06/25** | | | **11/07/25** |
| | | | VOC-TCLVOA-10 | 8260D | | | 11/11/25 | |
| **Q3586-01RE** | **SED-1RE** | **SOIL** | | | **11/06/25** | | | **11/07/25** |
| | | | VOC-TCLVOA-10 | 8260D | | | 11/12/25 | |
| **Q3586-02** | **SED-2** | **SOIL** | | | **11/06/25** | | | **11/07/25** |
| | | | VOC-TCLVOA-10 | 8260D | | | 11/11/25 | |
| **Q3586-02RE** | **SED-2RE** | **SOIL** | | | **11/06/25** | | | **11/07/25** |
| | | | VOC-TCLVOA-10 | 8260D | | | 11/12/25 | |
| **Q3586-03** | **SED-3** | **SOIL** | | | **11/06/25** | | | **11/07/25** |
| | | | VOC-TCLVOA-10 | 8260D | | | 11/12/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q3586

**Client:** Remington & Vernick Engineers

| Sample ID | Client ID | Matrix | Parameter | | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID : SED-1** | | | | | | | | | |
| Q3586-01 | SED-1 | SOIL | Benzophenone | * | 340.000 | J | 0 | 0 | ug/Kg |
| Q3586-01 | SED-1 | SOIL | Butyl tetracosyl ether | * | 250.000 | J | 0 | 0 | ug/Kg |
| Q3586-01 | SED-1 | SOIL | n-Hexadecanoic acid | * | 360.000 | J | 0 | 0 | ug/Kg |
| | | | **Total Tics :** | | **950.00** | | | | |
| | | | **Total Concentration:** | | **950.00** | | | | |
| **Client ID : SED-2** | | | | | | | | | |
| Q3586-02 | SED-2 | SOIL | Bis(2-ethylhexyl)phthalate | | 270.000 | J | 140 | 410 | ug/Kg |
| | | | **Total Svoc :** | | **270.00** | | | | |
| Q3586-02 | SED-2 | SOIL | 1-Tricosene | * | 270.000 | J | 0 | 0 | ug/Kg |
| Q3586-02 | SED-2 | SOIL | Benzophenone | * | 910.000 | J | 0 | 0 | ug/Kg |
| Q3586-02 | SED-2 | SOIL | Docosane | * | 240.000 | J | 0 | 0 | ug/Kg |
| Q3586-02 | SED-2 | SOIL | Docosane, 11-butyl- | * | 1,200.000 | J | 0 | 0 | ug/Kg |
| Q3586-02 | SED-2 | SOIL | n-Hexadecanoic acid | * | 490.000 | J | 0 | 0 | ug/Kg |
| Q3586-02 | SED-2 | SOIL | Octadecane | * | 200.000 | J | 0 | 0 | ug/Kg |
| Q3586-02 | SED-2 | SOIL | Tetracosane | * | 240.000 | J | 0 | 0 | ug/Kg |
| Q3586-02 | SED-2 | SOIL | Triacontane | * | 460.000 | J | 0 | 0 | ug/Kg |
| | | | **Total Tics :** | | **4,010.00** | | | | |
| | | | **Total Concentration:** | | **4,280.00** | | | | |
| **Client ID : SED-3** | | | | | | | | | |
| Q3586-03 | SED-3 | SOIL | Bis(2-ethylhexyl)phthalate | | 200.000 | J | 120 | 330 | ug/Kg |
| | | | **Total Svoc :** | | **200.00** | | | | |
| Q3586-03 | SED-3 | SOIL | n-Hexadecanoic acid | * | 640.000 | J | 0 | 0 | ug/Kg |
| Q3586-03 | SED-3 | SOIL | Octadecanoic acid | * | 130.000 | J | 0 | 0 | ug/Kg |
| Q3586-03 | SED-3 | SOIL | 1-Heneicosyl formate | * | 350.000 | J | 0 | 0 | ug/Kg |
| Q3586-03 | SED-3 | SOIL | Benzophenone | * | 420.000 | J | 0 | 0 | ug/Kg |
| | | | **Total Tics :** | | **1,540.00** | | | | |
| | | | **Total Concentration:** | | **1,740.00** | | | | |

# SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-1 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-01 | Matrix: | SOIL |
| Analytical Method: | 8270E Level: LOW | % Solid: | 62.9 |
| Sample Wt/Vol: | 30.01 g Final Vol: 1000 uL | Test: | SVOC-TCL BNA -20 |
| Prep Method : | SW3541 Prep Date: 11/11/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 100-52-7 | Benzaldehyde | 250 | U | 1 | 250 | 520 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 108-95-2 | Phenol | 35.1 | U | 1 | 35.1 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 111-44-4 | bis(2-Chloroethyl)ether | 38.6 | U | 1 | 38.6 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 95-57-8 | 2-Chlorophenol | 38.8 | U | 1 | 38.8 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 95-48-7 | 2-Methylphenol | 47.5 | U | 1 | 47.5 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 59.6 | U | 1 | 59.6 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 98-86-2 | Acetophenone | 46.9 | U | 1 | 46.9 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 65794-96-9 | 3+4-Methylphenols | 65.3 | U | 1 | 65.3 | 520 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 621-64-7 | n-Nitroso-di-n-propylamine | 75.3 | U | 1 | 75.3 | 130 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 67-72-1 | Hexachloroethane | 28.0 | U | 1 | 28.0 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 98-95-3 | Nitrobenzene | 29.1 | U | 1 | 29.1 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 78-59-1 | Isophorone | 52.1 | U | 1 | 52.1 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 88-75-5 | 2-Nitrophenol | 92.5 | U | 1 | 92.5 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 105-67-9 | 2,4-Dimethylphenol | 100 | U | 1 | 100 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 111-91-1 | bis(2-Chloroethoxy)methane | 49.0 | U | 1 | 49.0 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 120-83-2 | 2,4-Dichlorophenol | 45.0 | U | 1 | 45.0 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 91-20-3 | Naphthalene | 36.1 | U | 1 | 36.1 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 106-47-8 | 4-Chloroaniline | 56.3 | UQ | 1 | 56.3 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 87-68-3 | Hexachlorobutadiene | 40.2 | U | 1 | 40.2 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 105-60-2 | Caprolactam | 82.8 | U | 1 | 82.8 | 520 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 59-50-7 | 4-Chloro-3-methylphenol | 45.6 | U | 1 | 45.6 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 91-57-6 | 2-Methylnaphthalene | 40.7 | U | 1 | 40.7 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 77-47-4 | Hexachlorocyclopentadiene | 180 | U | 1 | 180 | 520 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 88-06-2 | 2,4,6-Trichlorophenol | 31.5 | U | 1 | 31.5 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 95-95-4 | 2,4,5-Trichlorophenol | 46.2 | U | 1 | 46.2 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 92-52-4 | 1,1-Biphenyl | 34.6 | U | 1 | 34.6 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 91-58-7 | 2-Chloronaphthalene | 35.8 | U | 1 | 35.8 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 88-74-4 | 2-Nitroaniline | 76.4 | U | 1 | 76.4 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 131-11-3 | Dimethylphthalate | 43.1 | U | 1 | 43.1 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 208-96-8 | Acenaphthylene | 45.9 | U | 1 | 45.9 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 606-20-2 | 2,6-Dinitrotoluene | 53.4 | U | 1 | 53.4 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 99-09-2 | 3-Nitroaniline | 73.1 | UQ | 1 | 73.1 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 83-32-9 | Acenaphthene | 33.9 | U | 1 | 33.9 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 51-28-5 | 2,4-Dinitrophenol | 360 | U | 1 | 360 | 520 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 100-02-7 | 4-Nitrophenol | 170 | U | 1 | 170 | 520 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 132-64-9 | Dibenzofuran | 36.1 | U | 1 | 36.1 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 121-14-2 | 2,4-Dinitrotoluene | 79.6 | U | 1 | 79.6 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 84-66-2 | Diethylphthalate | 45.0 | U | 1 | 45.0 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 42.4 | U | 1 | 42.4 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 86-73-7 | Fluorene | 40.2 | U | 1 | 40.2 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 100-01-6 | 4-Nitroaniline | 100 | U | 1 | 100 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 160 | U | 1 | 160 | 520 | ug/Kg | 11/11/25 14:09 | PB170478 |

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



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-1 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-01 | Matrix: | SOIL |
| Analytical Method: | 8270E Level: LOW | % Solid: | 62.9 |
| Sample Wt/Vol: | 30.01 g Final Vol: 1000 uL | Test: | SVOC-TCL BNA -20 |
| Prep Method : | SW3541 Prep Date: 11/11/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 86-30-6 | n-Nitrosodiphenylamine | 52.3 | U | 1 | 52.3 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 101-55-3 | 4-Bromophenyl-phenylether | 44.2 | U | 1 | 44.2 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 118-74-1 | Hexachlorobenzene | 40.2 | U | 1 | 40.2 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 1912-24-9 | Atrazine | 54.0 | U | 1 | 54.0 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 87-86-5 | Pentachlorophenol | 81.5 | U | 1 | 81.5 | 520 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 85-01-8 | Phenanthrene | 33.2 | U | 1 | 33.2 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 120-12-7 | Anthracene | 52.9 | U | 1 | 52.9 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 86-74-8 | Carbazole | 49.6 | U | 1 | 49.6 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 84-74-2 | Di-n-butylphthalate | 76.1 | U | 1 | 76.1 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 206-44-0 | Fluoranthene | 47.7 | U | 1 | 47.7 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 129-00-0 | Pyrene | 57.2 | U | 1 | 57.2 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 85-68-7 | Butylbenzylphthalate | 110 | U | 1 | 110 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 91-94-1 | 3,3-Dichlorobenzidine | 58.3 | U | 1 | 58.3 | 520 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 56-55-3 | Benzo(a)anthracene | 36.6 | U | 1 | 36.6 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 218-01-9 | Chrysene | 31.6 | U | 1 | 31.6 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 94.1 | U | 1 | 94.1 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 117-84-0 | Di-n-octyl phthalate | 140 | U | 1 | 140 | 520 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 205-99-2 | Benzo(b)fluoranthene | 30.2 | U | 1 | 30.2 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 207-08-9 | Benzo(k)fluoranthene | 35.6 | U | 1 | 35.6 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 50-32-8 | Benzo(a)pyrene | 46.9 | U | 1 | 46.9 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 46.2 | U | 1 | 46.2 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 53-70-3 | Dibenzo(a,h)anthracene | 43.5 | U | 1 | 43.5 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 191-24-2 | Benzo(g,h,i)perylene | 40.8 | U | 1 | 40.8 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 40.7 | U | 1 | 40.7 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 123-91-1 | 1,4-Dioxane | 71.8 | U | 1 | 71.8 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 43.5 | U | 1 | 43.5 | 270 | ug/Kg | 11/11/25 14:09 | PB170478 |
| **SURROGATES** | | | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 118 | | | 30 (10) - 130 (105) | 78% | SPK: 150 | | |
| 13127-88-3 | Phenol-d6 | 120 | | | 30 (10) - 130 (103) | 80% | SPK: 150 | | |
| 4165-60-0 | Nitrobenzene-d5 | 86.3 | | | 30 (10) - 130 (108) | 86% | SPK: 100 | | |
| 321-60-8 | 2-Fluorobiphenyl | 84.3 | | | 30 (10) - 130 (108) | 84% | SPK: 100 | | |
| 118-79-6 | 2,4,6-Tribromophenol | 126 | | | 30 (10) - 130 (116) | 84% | SPK: 150 | | |
| 1718-51-0 | Terphenyl-d14 | 70.3 | | | 30 (10) - 130 (109) | 70% | SPK: 100 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 66900 | | | | | | | |
| 1146-65-2 | Naphthalene-d8 | 249000 | | | | | | | |
| 15067-26-2 | Acenaphthene-d10 | 133000 | | | | | | | |
| 1517-22-2 | Phenanthrene-d10 | 221000 | | | | | | | |
| 1719-03-5 | Chrysene-d12 | 168000 | | | | | | | |
| 1520-96-3 | Perylene-d12 | 214000 | | | | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | | | |
| 000119-61-9 | Benzophenone | 340 | J | | | 10.6 | ug/Kg | | |
| 000057-10-3 | n-Hexadecanoic acid | 360 | J | | | 11.9 | ug/Kg | | |

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Remington & Vernick Engineers | | | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | | | Date Received: | 11/07/25 |
| Client Sample ID: | SED-1 | | | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-01 | | | Matrix: | SOIL |
| Analytical Method: | 8270E | Level: | LOW | % Solid: | 62.9 |
| Sample Wt/Vol: | 30.01 g | Final Vol: | 1000 uL | Test: | SVOC-TCL BNA -20 |
| Prep Method : | SW3541 | Prep Date: | 11/11/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 1000406-40-9 | Butyl tetracosyl ether | 250 | J | | | 13.9 | 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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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-2 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-02 | Matrix: | SOIL |
| Analytical Method: | 8270E Level: LOW | % Solid: | 41.4 |
| Sample Wt/Vol: | 30.06 g Final Vol: 1000 uL | Test: | SVOC-TCL BNA -20 |
| Prep Method : | SW3541 Prep Date: 11/11/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 100-52-7 | Benzaldehyde | 380 | U | 1 | 380 | 800 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 108-95-2 | Phenol | 53.3 | U | 1 | 53.3 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 111-44-4 | bis(2-Chloroethyl)ether | 58.6 | U | 1 | 58.6 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 95-57-8 | 2-Chlorophenol | 58.8 | U | 1 | 58.8 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 95-48-7 | 2-Methylphenol | 72.1 | U | 1 | 72.1 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 90.4 | U | 1 | 90.4 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 98-86-2 | Acetophenone | 71.1 | U | 1 | 71.1 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 65794-96-9 | 3+4-Methylphenols | 99.1 | U | 1 | 99.1 | 800 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 621-64-7 | n-Nitroso-di-n-propylamine | 110 | U | 1 | 110 | 190 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 67-72-1 | Hexachloroethane | 42.4 | U | 1 | 42.4 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 98-95-3 | Nitrobenzene | 44.1 | U | 1 | 44.1 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 78-59-1 | Isophorone | 79.1 | U | 1 | 79.1 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 88-75-5 | 2-Nitrophenol | 140 | U | 1 | 140 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 105-67-9 | 2,4-Dimethylphenol | 160 | U | 1 | 160 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 111-91-1 | bis(2-Chloroethoxy)methane | 74.2 | U | 1 | 74.2 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 120-83-2 | 2,4-Dichlorophenol | 68.2 | U | 1 | 68.2 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 91-20-3 | Naphthalene | 54.7 | U | 1 | 54.7 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 106-47-8 | 4-Chloroaniline | 85.3 | UQ | 1 | 85.3 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 87-68-3 | Hexachlorobutadiene | 61.0 | U | 1 | 61.0 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 105-60-2 | Caprolactam | 130 | U | 1 | 130 | 800 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 59-50-7 | 4-Chloro-3-methylphenol | 69.2 | U | 1 | 69.2 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 91-57-6 | 2-Methylnaphthalene | 61.7 | U | 1 | 61.7 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 77-47-4 | Hexachlorocyclopentadiene | 280 | U | 1 | 280 | 800 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 88-06-2 | 2,4,6-Trichlorophenol | 47.7 | U | 1 | 47.7 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 95-95-4 | 2,4,5-Trichlorophenol | 70.1 | U | 1 | 70.1 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 92-52-4 | 1,1-Biphenyl | 52.6 | U | 1 | 52.6 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 91-58-7 | 2-Chloronaphthalene | 54.2 | U | 1 | 54.2 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 88-74-4 | 2-Nitroaniline | 120 | U | 1 | 120 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 131-11-3 | Dimethylphthalate | 65.3 | U | 1 | 65.3 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 208-96-8 | Acenaphthylene | 69.7 | U | 1 | 69.7 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 606-20-2 | 2,6-Dinitrotoluene | 81.0 | U | 1 | 81.0 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 99-09-2 | 3-Nitroaniline | 110 | UQ | 1 | 110 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 83-32-9 | Acenaphthene | 51.3 | U | 1 | 51.3 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 51-28-5 | 2,4-Dinitrophenol | 550 | U | 1 | 550 | 800 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 100-02-7 | 4-Nitrophenol | 260 | U | 1 | 260 | 800 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 132-64-9 | Dibenzofuran | 54.7 | U | 1 | 54.7 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 121-14-2 | 2,4-Dinitrotoluene | 120 | U | 1 | 120 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 84-66-2 | Diethylphthalate | 68.2 | U | 1 | 68.2 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 64.4 | U | 1 | 64.4 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 86-73-7 | Fluorene | 61.0 | U | 1 | 61.0 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 100-01-6 | 4-Nitroaniline | 150 | U | 1 | 150 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 250 | U | 1 | 250 | 800 | ug/Kg | 11/11/25 20:18 | PB170478 |

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-2 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-02 | Matrix: | SOIL |
| Analytical Method: | 8270E Level: LOW | % Solid: | 41.4 |
| Sample Wt/Vol: | 30.06 g Final Vol: 1000 uL | Test: | SVOC-TCL BNA -20 |
| Prep Method : | SW3541 Prep Date: 11/11/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 86-30-6 | n-Nitrosodiphenylamine | 79.3 | U | 1 | 79.3 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 101-55-3 | 4-Bromophenyl-phenylether | 67.0 | U | 1 | 67.0 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 118-74-1 | Hexachlorobenzene | 61.0 | U | 1 | 61.0 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 1912-24-9 | Atrazine | 82.0 | U | 1 | 82.0 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 87-86-5 | Pentachlorophenol | 120 | U | 1 | 120 | 800 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 85-01-8 | Phenanthrene | 50.4 | U | 1 | 50.4 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 120-12-7 | Anthracene | 80.3 | U | 1 | 80.3 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 86-74-8 | Carbazole | 75.2 | U | 1 | 75.2 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 84-74-2 | Di-n-butylphthalate | 120 | U | 1 | 120 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 206-44-0 | Fluoranthene | 72.3 | U | 1 | 72.3 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 129-00-0 | Pyrene | 86.8 | U | 1 | 86.8 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 85-68-7 | Butylbenzylphthalate | 170 | U | 1 | 170 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 91-94-1 | 3,3-Dichlorobenzidine | 88.5 | U | 1 | 88.5 | 800 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 56-55-3 | Benzo(a)anthracene | 55.4 | U | 1 | 55.4 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 218-01-9 | Chrysene | 48.0 | U | 1 | 48.0 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 270 | J | 1 | 140 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 117-84-0 | Di-n-octyl phthalate | 210 | U | 1 | 210 | 800 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 205-99-2 | Benzo(b)fluoranthene | 45.8 | U | 1 | 45.8 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 207-08-9 | Benzo(k)fluoranthene | 54.0 | U | 1 | 54.0 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 50-32-8 | Benzo(a)pyrene | 71.1 | U | 1 | 71.1 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 70.1 | U | 1 | 70.1 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 53-70-3 | Dibenzo(a,h)anthracene | 66.1 | U | 1 | 66.1 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 191-24-2 | Benzo(g,h,i)perylene | 62.0 | U | 1 | 62.0 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 61.7 | U | 1 | 61.7 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 123-91-1 | 1,4-Dioxane | 110 | U | 1 | 110 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 66.1 | U | 1 | 66.1 | 410 | ug/Kg | 11/11/25 20:18 | PB170478 |
| **SURROGATES** | | | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 137 | | | 30 (10) - 130 (105) | 91% | SPK: 150 | | |
| 13127-88-3 | Phenol-d6 | 135 | | | 30 (10) - 130 (103) | 90% | SPK: 150 | | |
| 4165-60-0 | Nitrobenzene-d5 | 91.4 | | | 30 (10) - 130 (108) | 91% | SPK: 100 | | |
| 321-60-8 | 2-Fluorobiphenyl | 79.1 | | | 30 (10) - 130 (108) | 79% | SPK: 100 | | |
| 118-79-6 | 2,4,6-Tribromophenol | 166 | | | 30 (10) - 130 (116) | 111% | SPK: 150 | | |
| 1718-51-0 | Terphenyl-d14 | 75.5 | | | 30 (10) - 130 (109) | 75% | SPK: 100 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 250000 | | | | | | | |
| 1146-65-2 | Naphthalene-d8 | 984000 | | | | | | | |
| 15067-26-2 | Acenaphthene-d10 | 623000 | | | | | | | |
| 1517-22-2 | Phenanthrene-d10 | 1350000 | | | | | | | |
| 1719-03-5 | Chrysene-d12 | 1640000 | | | | | | | |
| 1520-96-3 | Perylene-d12 | 1940000 | | | | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | | | |
| 000119-61-9 | Benzophenone | 910 | J | | | 15.7 | ug/Kg | | |
| 000057-10-3 | n-Hexadecanoic acid | 490 | J | | | 18.1 | ug/Kg | | |

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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Remington & Vernick Engineers | | | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | | | Date Received: | 11/07/25 |
| Client Sample ID: | SED-2 | | | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-02 | | | Matrix: | SOIL |
| Analytical Method: | 8270E | Level: | LOW | % Solid: | 41.4 |
| Sample Wt/Vol: | 30.06 g | Final Vol: | 1000 uL | Test: | SVOC-TCL BNA -20 |
| Prep Method : | SW3541 | Prep Date: | 11/11/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 018835-32-0 | 1-Tricosene | 270 | J | | | 21.3 | ug/Kg | | |
| 000593-45-3 | Octadecane | 200 | J | | | 22.5 | ug/Kg | | |
| 000629-97-0 | Docosane | 240 | J | | | 23.3 | ug/Kg | | |
| 000638-68-6 | Triacontane | 460 | J | | | 25.2 | ug/Kg | | |
| 013475-76-8 | Docosane, 11-butyl- | 1200 | J | | | 29.6 | ug/Kg | | |
| 000646-31-1 | Tetracosane | 240 | J | | | 31.7 | ug/Kg | | |

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

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

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-3 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03 | Matrix: | SOIL |
| Analytical Method: | 8270E Level: LOW | % Solid: | 50.9 |
| Sample Wt/Vol: | 30.03 g Final Vol: 1000 uL | Test: | SVOC-TCL BNA -20 |
| Prep Method : | SW3541 Prep Date: 11/11/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 100-52-7 | Benzaldehyde | 310 | U | 1 | 310 | 650 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 108-95-2 | Phenol | 43.4 | U | 1 | 43.4 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 111-44-4 | bis(2-Chloroethyl)ether | 47.7 | U | 1 | 47.7 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 95-57-8 | 2-Chlorophenol | 47.9 | U | 1 | 47.9 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 95-48-7 | 2-Methylphenol | 58.7 | U | 1 | 58.7 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 73.6 | U | 1 | 73.6 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 98-86-2 | Acetophenone | 57.9 | U | 1 | 57.9 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 65794-96-9 | 3+4-Methylphenols | 80.7 | U | 1 | 80.7 | 650 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 621-64-7 | n-Nitroso-di-n-propylamine | 93.0 | U | 1 | 93.0 | 160 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 67-72-1 | Hexachloroethane | 34.5 | U | 1 | 34.5 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 98-95-3 | Nitrobenzene | 35.9 | U | 1 | 35.9 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 78-59-1 | Isophorone | 64.4 | U | 1 | 64.4 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 88-75-5 | 2-Nitrophenol | 110 | U | 1 | 110 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 105-67-9 | 2,4-Dimethylphenol | 130 | U | 1 | 130 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 111-91-1 | bis(2-Chloroethoxy)methane | 60.5 | U | 1 | 60.5 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 120-83-2 | 2,4-Dichlorophenol | 55.5 | U | 1 | 55.5 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 91-20-3 | Naphthalene | 44.6 | U | 1 | 44.6 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 106-47-8 | 4-Chloroaniline | 69.5 | UQ | 1 | 69.5 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 87-68-3 | Hexachlorobutadiene | 49.7 | U | 1 | 49.7 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 105-60-2 | Caprolactam | 100 | U | 1 | 100 | 650 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 59-50-7 | 4-Chloro-3-methylphenol | 56.3 | U | 1 | 56.3 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 91-57-6 | 2-Methylnaphthalene | 50.2 | U | 1 | 50.2 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 77-47-4 | Hexachlorocyclopentadiene | 230 | U | 1 | 230 | 650 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 88-06-2 | 2,4,6-Trichlorophenol | 38.9 | U | 1 | 38.9 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 95-95-4 | 2,4,5-Trichlorophenol | 57.1 | U | 1 | 57.1 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 92-52-4 | 1,1-Biphenyl | 42.8 | U | 1 | 42.8 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 91-58-7 | 2-Chloronaphthalene | 44.2 | U | 1 | 44.2 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 88-74-4 | 2-Nitroaniline | 94.4 | U | 1 | 94.4 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 131-11-3 | Dimethylphthalate | 53.2 | U | 1 | 53.2 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 208-96-8 | Acenaphthylene | 56.7 | U | 1 | 56.7 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 606-20-2 | 2,6-Dinitrotoluene | 65.9 | U | 1 | 65.9 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 99-09-2 | 3-Nitroaniline | 90.3 | UQ | 1 | 90.3 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 83-32-9 | Acenaphthene | 41.8 | U | 1 | 41.8 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 51-28-5 | 2,4-Dinitrophenol | 450 | U | 1 | 450 | 650 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 100-02-7 | 4-Nitrophenol | 210 | U | 1 | 210 | 650 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 132-64-9 | Dibenzofuran | 44.6 | U | 1 | 44.6 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 121-14-2 | 2,4-Dinitrotoluene | 98.3 | U | 1 | 98.3 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 84-66-2 | Diethylphthalate | 55.5 | U | 1 | 55.5 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 52.4 | U | 1 | 52.4 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 86-73-7 | Fluorene | 49.7 | U | 1 | 49.7 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 100-01-6 | 4-Nitroaniline | 130 | U | 1 | 130 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 200 | U | 1 | 200 | 650 | ug/Kg | 11/11/25 16:11 | PB170478 |

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-3 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03 | Matrix: | SOIL |
| Analytical Method: | 8270E Level: LOW | % Solid: | 50.9 |
| Sample Wt/Vol: | 30.03 g Final Vol: 1000 uL | Test: | SVOC-TCL BNA -20 |
| Prep Method : | SW3541 Prep Date: 11/11/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 86-30-6 | n-Nitrosodiphenylamine | 64.6 | U | 1 | 64.6 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 101-55-3 | 4-Bromophenyl-phenylether | 54.6 | U | 1 | 54.6 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 118-74-1 | Hexachlorobenzene | 49.7 | U | 1 | 49.7 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 1912-24-9 | Atrazine | 66.7 | U | 1 | 66.7 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 87-86-5 | Pentachlorophenol | 100 | U | 1 | 100 | 650 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 85-01-8 | Phenanthrene | 41.0 | U | 1 | 41.0 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 120-12-7 | Anthracene | 65.4 | U | 1 | 65.4 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 86-74-8 | Carbazole | 61.2 | U | 1 | 61.2 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 84-74-2 | Di-n-butylphthalate | 94.0 | U | 1 | 94.0 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 206-44-0 | Fluoranthene | 58.9 | U | 1 | 58.9 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 129-00-0 | Pyrene | 70.7 | U | 1 | 70.7 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 85-68-7 | Butylbenzylphthalate | 140 | U | 1 | 140 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 91-94-1 | 3,3-Dichlorobenzidine | 72.0 | U | 1 | 72.0 | 650 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 56-55-3 | Benzo(a)anthracene | 45.1 | U | 1 | 45.1 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 218-01-9 | Chrysene | 39.1 | U | 1 | 39.1 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 200 | J | 1 | 120 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 117-84-0 | Di-n-octyl phthalate | 170 | U | 1 | 170 | 650 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 205-99-2 | Benzo(b)fluoranthene | 37.3 | U | 1 | 37.3 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 207-08-9 | Benzo(k)fluoranthene | 44.0 | U | 1 | 44.0 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 50-32-8 | Benzo(a)pyrene | 57.9 | U | 1 | 57.9 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 57.1 | U | 1 | 57.1 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 53-70-3 | Dibenzo(a,h)anthracene | 53.8 | U | 1 | 53.8 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 191-24-2 | Benzo(g,h,i)perylene | 50.4 | U | 1 | 50.4 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 50.2 | U | 1 | 50.2 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 123-91-1 | 1,4-Dioxane | 88.7 | U | 1 | 88.7 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 53.8 | U | 1 | 53.8 | 330 | ug/Kg | 11/11/25 16:11 | PB170478 |
| **SURROGATES** | | | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 120 | | | 30 (10) - 130 (105) | 80% | SPK: 150 | | |
| 13127-88-3 | Phenol-d6 | 117 | | | 30 (10) - 130 (103) | 78% | SPK: 150 | | |
| 4165-60-0 | Nitrobenzene-d5 | 83.7 | | | 30 (10) - 130 (108) | 84% | SPK: 100 | | |
| 321-60-8 | 2-Fluorobiphenyl | 75.2 | | | 30 (10) - 130 (108) | 75% | SPK: 100 | | |
| 118-79-6 | 2,4,6-Tribromophenol | 146 | | | 30 (10) - 130 (116) | 98% | SPK: 150 | | |
| 1718-51-0 | Terphenyl-d14 | 73.9 | | | 30 (10) - 130 (109) | 74% | SPK: 100 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 318000 | | | | | | | |
| 1146-65-2 | Naphthalene-d8 | 1210000 | | | | | | | |
| 15067-26-2 | Acenaphthene-d10 | 729000 | | | | | | | |
| 1517-22-2 | Phenanthrene-d10 | 1510000 | | | | | | | |
| 1719-03-5 | Chrysene-d12 | 1770000 | | | | | | | |
| 1520-96-3 | Perylene-d12 | 2180000 | | | | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | | | |
| 000119-61-9 | Benzophenone | 420 | J | | | 15.7 | ug/Kg | | |
| 000057-10-3 | n-Hexadecanoic acid | 640 | J | | | 18.1 | ug/Kg | | |

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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Remington & Vernick Engineers | | | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | | | Date Received: | 11/07/25 |
| Client Sample ID: | SED-3 | | | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03 | | | Matrix: | SOIL |
| Analytical Method: | 8270E | Level: | LOW | % Solid: | 50.9 |
| Sample Wt/Vol: | 30.03 g | Final Vol: | 1000 uL | Test: | SVOC-TCL BNA -20 |
| Prep Method : | SW3541 | Prep Date: | 11/11/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 000057-11-4 | Octadecanoic acid | 130 | J | | | 19.4 | ug/Kg | | |
| 077899-03-7 | 1-Heneicosyl formate | 350 | J | | | 21.3 | 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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Fax : 908 789 8922



# Surrogate Summary

**SW-846**

**SDG No.:** Q3586

**Client:** Remington & Vernick Engineers

**Analytical Method:** 8270E

| Lab Sample ID | Client ID | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|
| PB170478BL | PB170478BL | 2-Fluorophenol | 150 | 115 | 77 | | 30 (10) | 130 (105) |
| | | Phenol-d6 | 150 | 118 | 79 | | 30 (10) | 130 (103) |
| | | Nitrobenzene-d5 | 100 | 83.0 | 83 | | 30 (10) | 130 (108) |
| | | 2-Fluorobiphenyl | 100 | 79.8 | 80 | | 30 (10) | 130 (108) |
| | | 2,4,6-Tribromophenol | 150 | 126 | 84 | | 30 (10) | 130 (116) |
| | | Terphenyl-d14 | 100 | 84.5 | 85 | | 30 (10) | 130 (109) |
| PB170478BS | PB170478BS | 2-Fluorophenol | 150 | 115 | 76 | | 30 (10) | 130 (105) |
| | | Phenol-d6 | 150 | 112 | 75 | | 30 (10) | 130 (103) |
| | | Nitrobenzene-d5 | 100 | 83.4 | 83 | | 30 (10) | 130 (108) |
| | | 2-Fluorobiphenyl | 100 | 79.0 | 79 | | 30 (10) | 130 (108) |
| | | 2,4,6-Tribromophenol | 150 | 121 | 81 | | 30 (10) | 130 (116) |
| | | Terphenyl-d14 | 100 | 82.9 | 83 | | 30 (10) | 130 (109) |
| Q3586-01 | SED-1 | 2-Fluorophenol | 150 | 118 | 78 | | 30 (10) | 130 (105) |
| | | Phenol-d6 | 150 | 120 | 80 | | 30 (10) | 130 (103) |
| | | Nitrobenzene-d5 | 100 | 86.3 | 86 | | 30 (10) | 130 (108) |
| | | 2-Fluorobiphenyl | 100 | 84.3 | 84 | | 30 (10) | 130 (108) |
| | | 2,4,6-Tribromophenol | 150 | 126 | 84 | | 30 (10) | 130 (116) |
| | | Terphenyl-d14 | 100 | 70.3 | 70 | | 30 (10) | 130 (109) |
| Q3586-02 | SED-2 | 2-Fluorophenol | 150 | 137 | 91 | | 30 (10) | 130 (105) |
| | | Phenol-d6 | 150 | 135 | 90 | | 30 (10) | 130 (103) |
| | | Nitrobenzene-d5 | 100 | 91.4 | 91 | | 30 (10) | 130 (108) |
| | | 2-Fluorobiphenyl | 100 | 79.1 | 79 | | 30 (10) | 130 (108) |
| | | 2,4,6-Tribromophenol | 150 | 166 | 111 | | 30 (10) | 130 (116) |
| | | Terphenyl-d14 | 100 | 75.5 | 75 | | 30 (10) | 130 (109) |
| Q3586-03 | SED-3 | 2-Fluorophenol | 150 | 120 | 80 | | 30 (10) | 130 (105) |
| | | Phenol-d6 | 150 | 117 | 78 | | 30 (10) | 130 (103) |
| | | Nitrobenzene-d5 | 100 | 83.7 | 84 | | 30 (10) | 130 (108) |
| | | 2-Fluorobiphenyl | 100 | 75.2 | 75 | | 30 (10) | 130 (108) |
| | | 2,4,6-Tribromophenol | 150 | 146 | 98 | | 30 (10) | 130 (116) |
| | | Terphenyl-d14 | 100 | 73.9 | 74 | | 30 (10) | 130 (109) |
| Q3586-03MS | SED-3MS | 2-Fluorophenol | 150 | 99.1 | 66 | | 30 (10) | 130 (105) |
| | | Phenol-d6 | 150 | 98.9 | 66 | | 30 (10) | 130 (103) |
| | | Nitrobenzene-d5 | 100 | 66.8 | 67 | | 30 (10) | 130 (108) |
| | | 2-Fluorobiphenyl | 100 | 58.7 | 59 | | 30 (10) | 130 (108) |
| | | 2,4,6-Tribromophenol | 150 | 117 | 78 | | 30 (10) | 130 (116) |
| | | Terphenyl-d14 | 100 | 60.4 | 60 | | 30 (10) | 130 (109) |
| Q3586-03MSD | SED-3MSD | 2-Fluorophenol | 150 | 105 | 70 | | 30 (10) | 130 (105) |
| | | Phenol-d6 | 150 | 106 | 71 | | 30 (10) | 130 (103) |
| | | Nitrobenzene-d5 | 100 | 68.1 | 68 | | 30 (10) | 130 (108) |
| | | 2-Fluorobiphenyl | 100 | 61.7 | 62 | | 30 (10) | 130 (108) |
| | | 2,4,6-Tribromophenol | 150 | 119 | 79 | | 30 (10) | 130 (116) |
| | | Terphenyl-d14 | 100 | 62.3 | 62 | | 30 (10) | 130 (109) |

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Fax : 908 789 8922



## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q3586 **Analytical Method:** SW8270E

**Client:** Remington & Vernick Engineers **DataFile:** BP026093.D

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: Q3586-03MS** | | **Client Sample ID: SED-3MS** | | | | | | | | | |
| Benzaldehyde | 3300 | 0 | 2600 | ug/Kg | 79 | | | | 20 (20) | 160 (111) | |
| Phenol | 3300 | 0 | 3000 | ug/Kg | 91 | | | | 20 (51) | 160 (122) | |
| bis(2-Chloroethyl)ether | 3300 | 0 | 2700 | ug/Kg | 82 | | | | 70 (67) | 130 (110) | |
| 2-Chlorophenol | 3300 | 0 | 3100 | ug/Kg | 94 | | | | 70 (67) | 130 (119) | |
| 2-Methylphenol | 3300 | 0 | 3000 | ug/Kg | 91 | | | | 70 (68) | 130 (116) | |
| 2,2-oxybis(1-Chloropropane) | 3300 | 0 | 2500 | ug/Kg | 76 | | | | 70 (59) | 130 (113) | |
| Acetophenone | 3300 | 0 | 2900 | ug/Kg | 88 | | | | 70 (55) | 130 (128) | |
| 3+4-Methylphenols | 3300 | 0 | 2900 | ug/Kg | 88 | | | | 20 (70) | 160 (111) | |
| N-Nitroso-di-n-propylamine | 3300 | 0 | 2800 | ug/Kg | 85 | | | | 70 (59) | 130 (119) | |
| Hexachloroethane | 3300 | 0 | 2900 | ug/Kg | 88 | | | | 20 (65) | 160 (115) | |
| Nitrobenzene | 3300 | 0 | 3000 | ug/Kg | 91 | | | | 70 (66) | 130 (120) | |
| Isophorone | 3300 | 0 | 2800 | ug/Kg | 85 | | | | 70 (67) | 130 (113) | |
| 2-Nitrophenol | 3300 | 0 | 4100 | ug/Kg | 124 | | | | 70 (69) | 130 (135) | |
| 2,4-Dimethylphenol | 3300 | 0 | 3300 | ug/Kg | 100 | | | | 70 (63) | 130 (151) | |
| bis(2-Chloroethoxy)methane | 3300 | 0 | 2800 | ug/Kg | 85 | | | | 70 (70) | 130 (112) | |
| 2,4-Dichlorophenol | 3300 | 0 | 3200 | ug/Kg | 97 | | | | 70 (70) | 130 (121) | |
| Naphthalene | 3300 | 0 | 2800 | ug/Kg | 85 | | | | 70 (66) | 130 (113) | |
| 4-Chloroaniline | 3300 | 0 | 1300 | ug/Kg | 39 | * | | | 70 (10) | 130 (100) | |
| Hexachlorobutadiene | 3300 | 0 | 2900 | ug/Kg | 88 | | | | 70 (67) | 130 (118) | |
| Caprolactam | 3300 | 0 | 3200 | ug/Kg | 97 | | | | 20 (51) | 160 (134) | |
| 4-Chloro-3-methylphenol | 3300 | 0 | 3200 | ug/Kg | 97 | | | | 70 (71) | 130 (118) | |
| 2-Methylnaphthalene | 3300 | 0 | 2600 | ug/Kg | 79 | | | | 70 (59) | 130 (123) | |
| Hexachlorocyclopentadiene | 6500 | 0 | 8600 | ug/Kg | 132 | | | | 20 (16) | 160 (175) | |
| 2,4,6-Trichlorophenol | 3300 | 0 | 3400 | ug/Kg | 103 | | | | 70 (67) | 130 (128) | |
| 2,4,5-Trichlorophenol | 3300 | 0 | 3300 | ug/Kg | 100 | | | | 70 (69) | 130 (123) | |
| 1,1-Biphenyl | 3300 | 0 | 2800 | ug/Kg | 85 | | | | 70 (69) | 130 (126) | |
| 2-Chloronaphthalene | 3300 | 0 | 2800 | ug/Kg | 85 | | | | 70 (71) | 130 (113) | |
| 2-Nitroaniline | 3300 | 0 | 3100 | ug/Kg | 94 | | | | 70 (73) | 130 (125) | |
| Dimethylphthalate | 3300 | 0 | 2900 | ug/Kg | 88 | | | | 70 (72) | 130 (116) | |
| Acenaphthylene | 3300 | 0 | 3300 | ug/Kg | 100 | | | | 70 (69) | 130 (128) | |
| 2,6-Dinitrotoluene | 3300 | 0 | 3400 | ug/Kg | 103 | | | | 70 (67) | 130 (141) | |
| 3-Nitroaniline | 3300 | 0 | 1900 | ug/Kg | 58 | * | | | 70 (28) | 130 (102) | |
| Acenaphthene | 3300 | 0 | 2700 | ug/Kg | 82 | | | | 70 (70) | 130 (121) | |
| 2,4-Dinitrophenol | 6500 | 0 | 7200 | ug/Kg | 111 | | | | 20 (10) | 160 (164) | |
| 4-Nitrophenol | 6500 | 0 | 6800 | ug/Kg | 105 | | | | 20 (49) | 160 (133) | |
| Dibenzofuran | 3300 | 0 | 2800 | ug/Kg | 85 | | | | 70 (71) | 130 (111) | |
| 2,4-Dinitrotoluene | 3300 | 0 | 3400 | ug/Kg | 103 | | | | 70 (73) | 130 (130) | |
| Diethylphthalate | 3300 | 0 | 3000 | ug/Kg | 91 | | | | 70 (73) | 130 (116) | |
| 4-Chlorophenyl-phenylether | 3300 | 0 | 2800 | ug/Kg | 85 | | | | 70 (72) | 130 (112) | |
| Fluorene | 3300 | 0 | 2900 | ug/Kg | 88 | | | | 70 (67) | 130 (114) | |
| 4-Nitroaniline | 3300 | 0 | 3400 | ug/Kg | 103 | | | | 70 (61) | 130 (128) | |
| 4,6-Dinitro-2-methylphenol | 3300 | 0 | 4000 | ug/Kg | 121 | | | | 70 (25) | 130 (163) | |
| N-Nitrosodiphenylamine | 3300 | 0 | 2900 | ug/Kg | 88 | | | | 70 (73) | 130 (118) | |
| 4-Bromophenyl-phenylether | 3300 | 0 | 2900 | ug/Kg | 88 | | | | 70 (65) | 130 (121) | |
| Hexachlorobenzene | 3300 | 0 | 2900 | ug/Kg | 88 | | | | 70 (67) | 130 (118) | |
| Atrazine | 3300 | 0 | 3300 | ug/Kg | 100 | | | | 70 (79) | 130 (127) | |

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



## Matrix Spike/Matrix Spike Duplicate Summary

### SW-846

**SDG No.:** Q3586 **Analytical Method:** SW8270E

**Client:** Remington & Vernick Engineers **DataFile:** BP026093.D

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Pentachlorophenol | 6500 | 0 | 6900 | ug/Kg | 106 | | | | 20 (39) | 160 (145) | |
| Phenanthrene | 3300 | 0 | 2800 | ug/Kg | 85 | | | | 70 (52) | 130 (128) | |
| Anthracene | 3300 | 0 | 2900 | ug/Kg | 88 | | | | 70 (62) | 130 (124) | |
| Carbazole | 3300 | 0 | 3000 | ug/Kg | 91 | | | | 70 (73) | 130 (115) | |
| Di-n-butylphthalate | 3300 | 0 | 3200 | ug/Kg | 97 | | | | 70 (72) | 130 (129) | |
| Fluoranthene | 3300 | 0 | 3000 | ug/Kg | 91 | | | | 70 (31) | 130 (152) | |
| Pyrene | 3300 | 0 | 2800 | ug/Kg | 85 | | | | 70 (37) | 130 (122) | |
| Butylbenzylphthalate | 3300 | 0 | 3300 | ug/Kg | 100 | | | | 70 (59) | 130 (151) | |
| 3,3-Dichlorobenzidine | 3300 | 0 | 2200 | ug/Kg | 67 | * | | | 70 (10) | 130 (116) | |
| Benzo(a)anthracene | 3300 | 0 | 2900 | ug/Kg | 88 | | | | 70 (53) | 130 (119) | |
| Chrysene | 3300 | 0 | 2900 | ug/Kg | 88 | | | | 70 (57) | 130 (121) | |
| bis(2-Ethylhexyl)phthalate | 3300 | 200 | 3100 | ug/Kg | 88 | | | | 70 (64) | 130 (139) | |
| Di-n-octyl phthalate | 3300 | 0 | 3700 | ug/Kg | 112 | | | | 70 (51) | 130 (156) | |
| Benzo(b)fluoranthene | 3300 | 0 | 2800 | ug/Kg | 85 | | | | 70 (52) | 130 (117) | |
| Benzo(k)fluoranthene | 3300 | 0 | 2800 | ug/Kg | 85 | | | | 70 (57) | 130 (134) | |
| Benzo(a)pyrene | 3300 | 0 | 3000 | ug/Kg | 91 | | | | 70 (70) | 130 (142) | |
| Indeno(1,2,3-cd)pyrene | 3300 | 0 | 3000 | ug/Kg | 91 | | | | 70 (48) | 130 (129) | |
| Dibenz(a,h)anthracene | 3300 | 0 | 3000 | ug/Kg | 91 | | | | 70 (43) | 130 (123) | |
| Benzo(g,h,i)perylene | 3300 | 0 | 3100 | ug/Kg | 94 | | | | 70 (40) | 130 (133) | |
| 1,2,4,5-Tetrachlorobenzene | 3300 | 0 | 2800 | ug/Kg | 85 | | | | 70 (65) | 130 (132) | |
| 1,4-Dioxane | 3300 | 0 | 2500 | ug/Kg | 76 | | | | 20 (46) | 160 (112) | |
| 2,3,4,6-Tetrachlorophenol | 3300 | 0 | 3700 | ug/Kg | 112 | | | | 70 (56) | 130 (141) | |

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



## Matrix Spike/Matrix Spike Duplicate Summary

### SW-846

**SDG No.:** Q3586 **Analytical Method:** SW8270E

**Client:** Remington & Vernick Engineers **DataFile:** BP026094.D

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: Q3586-03MSD** | | **Client Sample ID: SED-3MSD** | | | | | | | | | |
| Benzaldehyde | 3300 | 0 | 2700 | ug/Kg | 82 | | 4 | | 20 (20) | 160 (111) | 30 (20) |
| Phenol | 3300 | 0 | 3200 | ug/Kg | 97 | | 6 | | 20 (51) | 160 (122) | 30 (20) |
| bis(2-Chloroethyl)ether | 3300 | 0 | 2900 | ug/Kg | 88 | | 7 | | 70 (67) | 130 (110) | 30 (20) |
| 2-Chlorophenol | 3300 | 0 | 3300 | ug/Kg | 100 | | 6 | | 70 (67) | 130 (119) | 30 (20) |
| 2-Methylphenol | 3300 | 0 | 3200 | ug/Kg | 97 | | 6 | | 70 (68) | 130 (116) | 30 (20) |
| 2,2-oxybis(1-Chloropropane) | 3300 | 0 | 2600 | ug/Kg | 79 | | 4 | | 70 (59) | 130 (113) | 30 (20) |
| Acetophenone | 3300 | 0 | 3000 | ug/Kg | 91 | | 3 | | 70 (55) | 130 (128) | 30 (20) |
| 3+4-Methylphenols | 3300 | 0 | 3200 | ug/Kg | 97 | | 10 | | 20 (70) | 160 (111) | 30 (20) |
| N-Nitroso-di-n-propylamine | 3300 | 0 | 3000 | ug/Kg | 91 | | 7 | | 70 (59) | 130 (119) | 30 (20) |
| Hexachloroethane | 3300 | 0 | 3100 | ug/Kg | 94 | | 7 | | 20 (65) | 160 (115) | 30 (20) |
| Nitrobenzene | 3300 | 0 | 3100 | ug/Kg | 94 | | 3 | | 70 (66) | 130 (120) | 30 (20) |
| Isophorone | 3300 | 0 | 2900 | ug/Kg | 88 | | 3 | | 70 (67) | 130 (113) | 30 (20) |
| 2-Nitrophenol | 3300 | 0 | 4200 | ug/Kg | 127 | | 2 | | 70 (69) | 130 (135) | 30 (16) |
| 2,4-Dimethylphenol | 3300 | 0 | 3400 | ug/Kg | 103 | | 3 | | 70 (63) | 130 (151) | 30 (20) |
| bis(2-Chloroethoxy)methane | 3300 | 0 | 2900 | ug/Kg | 88 | | 3 | | 70 (70) | 130 (112) | 30 (20) |
| 2,4-Dichlorophenol | 3300 | 0 | 3300 | ug/Kg | 100 | | 3 | | 70 (70) | 130 (121) | 30 (20) |
| Naphthalene | 3300 | 0 | 2900 | ug/Kg | 88 | | 3 | | 70 (66) | 130 (113) | 30 (20) |
| 4-Chloroaniline | 3300 | 0 | 1200 | ug/Kg | 36 | * | 8 | | 70 (10) | 130 (100) | 30 (25) |
| Hexachlorobutadiene | 3300 | 0 | 3000 | ug/Kg | 91 | | 3 | | 70 (67) | 130 (118) | 30 (16) |
| Caprolactam | 3300 | 0 | 3300 | ug/Kg | 100 | | 3 | | 20 (51) | 160 (134) | 30 (25) |
| 4-Chloro-3-methylphenol | 3300 | 0 | 3300 | ug/Kg | 100 | | 3 | | 70 (71) | 130 (118) | 30 (20) |
| 2-Methylnaphthalene | 3300 | 0 | 2700 | ug/Kg | 82 | | 4 | | 70 (59) | 130 (123) | 30 (20) |
| Hexachlorocyclopentadiene | 6500 | 0 | 9200 | ug/Kg | 142 | | 7 | | 20 (16) | 160 (175) | 30 (20) |
| 2,4,6-Trichlorophenol | 3300 | 0 | 3500 | ug/Kg | 106 | | 3 | | 70 (67) | 130 (128) | 30 (16) |
| 2,4,5-Trichlorophenol | 3300 | 0 | 3400 | ug/Kg | 103 | | 3 | | 70 (69) | 130 (123) | 30 (16) |
| 1,1-Biphenyl | 3300 | 0 | 2900 | ug/Kg | 88 | | 3 | | 70 (69) | 130 (126) | 30 (20) |
| 2-Chloronaphthalene | 3300 | 0 | 2900 | ug/Kg | 88 | | 3 | | 70 (71) | 130 (113) | 30 (20) |
| 2-Nitroaniline | 3300 | 0 | 3300 | ug/Kg | 100 | | 6 | | 70 (73) | 130 (125) | 30 (16) |
| Dimethylphthalate | 3300 | 0 | 3000 | ug/Kg | 91 | | 3 | | 70 (72) | 130 (116) | 30 (20) |
| Acenaphthylene | 3300 | 0 | 3400 | ug/Kg | 103 | | 3 | | 70 (69) | 130 (128) | 30 (15) |
| 2,6-Dinitrotoluene | 3300 | 0 | 3500 | ug/Kg | 106 | | 3 | | 70 (67) | 130 (141) | 30 (20) |
| 3-Nitroaniline | 3300 | 0 | 1900 | ug/Kg | 58 | * | 0 | | 70 (28) | 130 (102) | 30 (20) |
| Acenaphthene | 3300 | 0 | 3300 | ug/Kg | 100 | | 20 | | 70 (70) | 130 (121) | 30 (16) |
| 2,4-Dinitrophenol | 6500 | 0 | 7200 | ug/Kg | 111 | | 0 | | 20 (10) | 160 (164) | 30 (30) |
| 4-Nitrophenol | 6500 | 0 | 6700 | ug/Kg | 103 | | 2 | | 20 (49) | 160 (133) | 30 (20) |
| Dibenzofuran | 3300 | 0 | 2900 | ug/Kg | 88 | | 3 | | 70 (71) | 130 (111) | 30 (20) |
| 2,4-Dinitrotoluene | 3300 | 0 | 3400 | ug/Kg | 103 | | 0 | | 70 (73) | 130 (130) | 30 (20) |
| Diethylphthalate | 3300 | 0 | 3000 | ug/Kg | 91 | | 0 | | 70 (73) | 130 (116) | 30 (20) |
| 4-Chlorophenyl-phenylether | 3300 | 0 | 2900 | ug/Kg | 88 | | 3 | | 70 (72) | 130 (112) | 30 (20) |
| Fluorene | 3300 | 0 | 3000 | ug/Kg | 91 | | 3 | | 70 (67) | 130 (114) | 30 (20) |
| 4-Nitroaniline | 3300 | 0 | 3400 | ug/Kg | 103 | | 0 | | 70 (61) | 130 (128) | 30 (20) |
| 4,6-Dinitro-2-methylphenol | 3300 | 0 | 4100 | ug/Kg | 124 | | 2 | | 70 (25) | 130 (163) | 30 (30) |
| N-Nitrosodiphenylamine | 3300 | 0 | 3000 | ug/Kg | 91 | | 3 | | 70 (73) | 130 (118) | 30 (20) |
| 4-Bromophenyl-phenylether | 3300 | 0 | 3100 | ug/Kg | 94 | | 7 | | 70 (65) | 130 (121) | 30 (20) |
| Hexachlorobenzene | 3300 | 0 | 3100 | ug/Kg | 94 | | 7 | | 70 (67) | 130 (118) | 30 (20) |
| Atrazine | 3300 | 0 | 3400 | ug/Kg | 103 | | 3 | | 70 (79) | 130 (127) | 30 (20) |

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Alliance TECHNICAL GROUP
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Fax : 908 789 8922



## Matrix Spike/Matrix Spike Duplicate Summary

### SW-846

**SDG No.:** Q3586 **Analytical Method:** SW8270E

**Client:** Remington & Vernick Engineers **DataFile:** BP026094.D

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Pentachlorophenol | 6500 | 0 | 7100 | ug/Kg | 109 | | 3 | | 20 (39) | 160 (145) | 30 (20) |
| Phenanthrene | 3300 | 0 | 2900 | ug/Kg | 88 | | 3 | | 70 (52) | 130 (128) | 30 (20) |
| Anthracene | 3300 | 0 | 3000 | ug/Kg | 91 | | 3 | | 70 (62) | 130 (124) | 30 (20) |
| Carbazole | 3300 | 0 | 3000 | ug/Kg | 91 | | 0 | | 70 (73) | 130 (115) | 30 (20) |
| Di-n-butylphthalate | 3300 | 0 | 3200 | ug/Kg | 97 | | 0 | | 70 (72) | 130 (129) | 30 (20) |
| Fluoranthene | 3300 | 0 | 3000 | ug/Kg | 91 | | 0 | | 70 (31) | 130 (152) | 30 (20) |
| Pyrene | 3300 | 0 | 2900 | ug/Kg | 88 | | 3 | | 70 (37) | 130 (122) | 30 (27) |
| Butylbenzylphthalate | 3300 | 0 | 3400 | ug/Kg | 103 | | 3 | | 70 (59) | 130 (151) | 30 (20) |
| 3,3-Dichlorobenzidine | 3300 | 0 | 2400 | ug/Kg | 73 | | 9 | | 70 (10) | 130 (116) | 30 (20) |
| Benzo(a)anthracene | 3300 | 0 | 3000 | ug/Kg | 91 | | 3 | | 70 (53) | 130 (119) | 30 (20) |
| Chrysene | 3300 | 0 | 2900 | ug/Kg | 88 | | 0 | | 70 (57) | 130 (121) | 30 (20) |
| bis(2-Ethylhexyl)phthalate | 3300 | 200 | 3100 | ug/Kg | 88 | | 0 | | 70 (64) | 130 (139) | 30 (20) |
| Di-n-octyl phthalate | 3300 | 0 | 3900 | ug/Kg | 118 | | 5 | | 70 (51) | 130 (156) | 30 (20) |
| Benzo(b)fluoranthene | 3300 | 0 | 3000 | ug/Kg | 91 | | 7 | | 70 (52) | 130 (117) | 30 (20) |
| Benzo(k)fluoranthene | 3300 | 0 | 2900 | ug/Kg | 88 | | 3 | | 70 (57) | 130 (134) | 30 (20) |
| Benzo(a)pyrene | 3300 | 0 | 3100 | ug/Kg | 94 | | 3 | | 70 (70) | 130 (142) | 30 (20) |
| Indeno(1,2,3-cd)pyrene | 3300 | 0 | 3100 | ug/Kg | 94 | | 3 | | 70 (48) | 130 (129) | 30 (20) |
| Dibenz(a,h)anthracene | 3300 | 0 | 3100 | ug/Kg | 94 | | 3 | | 70 (43) | 130 (123) | 30 (20) |
| Benzo(g,h,i)perylene | 3300 | 0 | 3200 | ug/Kg | 97 | | 3 | | 70 (40) | 130 (133) | 30 (20) |
| 1,2,4,5-Tetrachlorobenzene | 3300 | 0 | 2900 | ug/Kg | 88 | | 3 | | 70 (65) | 130 (132) | 30 (20) |
| 1,4-Dioxane | 3300 | 0 | 2500 | ug/Kg | 76 | | 0 | | 20 (46) | 160 (112) | 30 (20) |
| 2,3,4,6-Tetrachlorophenol | 3300 | 0 | 3800 | ug/Kg | 115 | | 3 | | 70 (56) | 130 (141) | 30 (20) |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q3586 **Analytical Method:** 8270E

**Client:** Remington & Vernick Engineers **DataFile:** BF144200.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB170478BS | Benzaldehyde | 1700 | 1100 | ug/Kg | 65 | | | | 20 (10) | 160 (133) | |
| | Phenol | 1700 | 1400 | ug/Kg | 82 | | | | 20 (62) | 160 (112) | |
| | bis(2-Chloroethyl)ether | 1700 | 1400 | ug/Kg | 82 | | | | 70 (60) | 130 (101) | |
| | 2-Chlorophenol | 1700 | 1400 | ug/Kg | 82 | | | | 70 (65) | 130 (112) | |
| | 2-Methylphenol | 1700 | 1400 | ug/Kg | 82 | | | | 70 (74) | 130 (105) | |
| | 2,2-oxybis(1-Chloropropane) | 1700 | 1500 | ug/Kg | 88 | | | | 70 (51) | 130 (100) | |
| | Acetophenone | 1700 | 1600 | ug/Kg | 94 | | | | 70 (66) | 130 (98) | |
| | 3+4-Methylphenols | 1700 | 1400 | ug/Kg | 82 | | | | 20 (58) | 160 (111) | |
| | N-Nitroso-di-n-propylamine | 1700 | 1400 | ug/Kg | 82 | | | | 70 (63) | 130 (95) | |
| | Hexachloroethane | 1700 | 1400 | ug/Kg | 82 | | | | 20 (72) | 160 (108) | |
| | Nitrobenzene | 1700 | 1500 | ug/Kg | 88 | | | | 70 (75) | 130 (100) | |
| | Isophorone | 1700 | 1500 | ug/Kg | 88 | | | | 70 (59) | 130 (99) | |
| | 2-Nitrophenol | 1700 | 1500 | ug/Kg | 88 | | | | 70 (75) | 130 (113) | |
| | 2,4-Dimethylphenol | 1700 | 1600 | ug/Kg | 94 | | | | 70 (61) | 130 (130) | |
| | bis(2-Chloroethoxy)methane | 1700 | 1500 | ug/Kg | 88 | | | | 70 (66) | 130 (97) | |
| | 2,4-Dichlorophenol | 1700 | 1400 | ug/Kg | 82 | | | | 70 (62) | 130 (107) | |
| | Naphthalene | 1700 | 1500 | ug/Kg | 88 | | | | 70 (62) | 130 (100) | |
| | 4-Chloroaniline | 1700 | 850 | ug/Kg | 50 | | * | | 70 (16) | 130 (100) | |
| | Hexachlorobutadiene | 1700 | 1500 | ug/Kg | 88 | | | | 70 (68) | 130 (108) | |
| | Caprolactam | 1700 | 1500 | ug/Kg | 88 | | | | 20 (67) | 160 (110) | |
| | 4-Chloro-3-methylphenol | 1700 | 1500 | ug/Kg | 88 | | | | 70 (74) | 130 (106) | |
| | 2-Methylnaphthalene | 1700 | 1300 | ug/Kg | 76 | | | | 70 (60) | 130 (104) | |
| | Hexachlorocyclopentadiene | 3300 | 3000 | ug/Kg | 91 | | | | 20 (45) | 160 (165) | |
| | 2,4,6-Trichlorophenol | 1700 | 1400 | ug/Kg | 82 | | | | 70 (59) | 130 (102) | |
| | 2,4,5-Trichlorophenol | 1700 | 1400 | ug/Kg | 82 | | | | 70 (74) | 130 (110) | |
| | 1,1-Biphenyl | 1700 | 1600 | ug/Kg | 94 | | | | 70 (71) | 130 (110) | |
| | 2-Chloronaphthalene | 1700 | 1400 | ug/Kg | 82 | | | | 70 (70) | 130 (103) | |
| | 2-Nitroaniline | 1700 | 1500 | ug/Kg | 88 | | | | 70 (66) | 130 (101) | |
| | Dimethylphthalate | 1700 | 1500 | ug/Kg | 88 | | | | 70 (76) | 130 (101) | |
| | Acenaphthylene | 1700 | 1600 | ug/Kg | 94 | | | | 70 (76) | 130 (111) | |
| | 2,6-Dinitrotoluene | 1700 | 1600 | ug/Kg | 94 | | | | 70 (78) | 130 (116) | |
| | 3-Nitroaniline | 1700 | 1000 | ug/Kg | 59 | | * | | 70 (28) | 130 (100) | |
| | Acenaphthene | 1700 | 1300 | ug/Kg | 76 | | | | 70 (73) | 130 (105) | |
| | 2,4-Dinitrophenol | 3300 | 2900 | ug/Kg | 88 | | | | 20 (59) | 160 (137) | |
| | 4-Nitrophenol | 3300 | 2600 | ug/Kg | 79 | | | | 20 (60) | 160 (124) | |
| | Dibenzofuran | 1700 | 1400 | ug/Kg | 82 | | | | 70 (63) | 130 (99) | |
| | 2,4-Dinitrotoluene | 1700 | 1500 | ug/Kg | 88 | | | | 70 (78) | 130 (115) | |
| | Diethylphthalate | 1700 | 1500 | ug/Kg | 88 | | | | 70 (76) | 130 (104) | |
| | 4-Chlorophenyl-phenylether | 1700 | 1400 | ug/Kg | 82 | | | | 70 (73) | 130 (101) | |
| | Fluorene | 1700 | 1500 | ug/Kg | 88 | | | | 70 (75) | 130 (99) | |
| | 4-Nitroaniline | 1700 | 1500 | ug/Kg | 88 | | | | 70 (64) | 130 (103) | |
| | 4,6-Dinitro-2-methylphenol | 1700 | 1400 | ug/Kg | 82 | | | | 70 (76) | 130 (113) | |
| | N-Nitrosodiphenylamine | 1700 | 1500 | ug/Kg | 88 | | | | 70 (71) | 130 (99) | |
| | 4-Bromophenyl-phenylether | 1700 | 1500 | ug/Kg | 88 | | | | 70 (66) | 130 (102) | |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q3586 **Analytical Method:** 8270E

**Client:** Remington & Vernick Engineers **DataFile:** BF144200.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB170478BS | Hexachlorobenzene | 1700 | 1500 | ug/Kg | 88 | | | | 70 (64) | 130 (98) | |
| | Atrazine | 1700 | 1600 | ug/Kg | 94 | | | | 70 (71) | 130 (122) | |
| | Pentachlorophenol | 3300 | 3100 | ug/Kg | 94 | | | | 20 (56) | 160 (129) | |
| | Phenanthrene | 1700 | 1500 | ug/Kg | 88 | | | | 70 (75) | 130 (100) | |
| | Anthracene | 1700 | 1500 | ug/Kg | 88 | | | | 70 (75) | 130 (103) | |
| | Carbazole | 1700 | 1500 | ug/Kg | 88 | | | | 70 (76) | 130 (103) | |
| | Di-n-butylphthalate | 1700 | 1500 | ug/Kg | 88 | | | | 70 (76) | 130 (110) | |
| | Fluoranthene | 1700 | 1400 | ug/Kg | 82 | | | | 70 (73) | 130 (105) | |
| | Pyrene | 1700 | 1500 | ug/Kg | 88 | | | | 70 (59) | 130 (103) | |
| | Butylbenzylphthalate | 1700 | 1600 | ug/Kg | 94 | | | | 70 (75) | 130 (120) | |
| | 3,3-Dichlorobenzidine | 1700 | 1200 | ug/Kg | 71 | | | | 70 (31) | 130 (94) | |
| | Benzo(a)anthracene | 1700 | 1500 | ug/Kg | 88 | | | | 70 (75) | 130 (104) | |
| | Chrysene | 1700 | 1500 | ug/Kg | 88 | | | | 70 (75) | 130 (103) | |
| | bis(2-Ethylhexyl)phthalate | 1700 | 1500 | ug/Kg | 88 | | | | 70 (77) | 130 (113) | |
| | Di-n-octyl phthalate | 1700 | 1500 | ug/Kg | 88 | | | | 70 (76) | 130 (110) | |
| | Benzo(b)fluoranthene | 1700 | 1700 | ug/Kg | 100 | | | | 70 (62) | 130 (109) | |
| | Benzo(k)fluoranthene | 1700 | 1400 | ug/Kg | 82 | | | | 70 (75) | 130 (108) | |
| | Benzo(a)pyrene | 1700 | 1600 | ug/Kg | 94 | | | | 70 (79) | 130 (109) | |
| | Indeno(1,2,3-cd)pyrene | 1700 | 1500 | ug/Kg | 88 | | | | 70 (63) | 130 (101) | |
| | Dibenz(a,h)anthracene | 1700 | 1600 | ug/Kg | 94 | | | | 70 (61) | 130 (112) | |
| | Benzo(g,h,i)perylene | 1700 | 1600 | ug/Kg | 94 | | | | 70 (70) | 130 (108) | |
| | 1,2,4,5-Tetrachlorobenzene | 1700 | 1600 | ug/Kg | 94 | | | | 70 (53) | 130 (101) | |
| | 1,4-Dioxane | 1700 | 1200 | ug/Kg | 71 | | | | 20 (50) | 160 (96) | |
| | 2,3,4,6-Tetrachlorophenol | 1700 | 1500 | ug/Kg | 88 | | | | 70 (71) | 130 (118) | |

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170478BL

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG NO.: Q3586

Lab File ID: BF144199.D | Lab Sample ID: PB170478BL

Instrument ID: BNA_F | Date Extracted: 11/11/2025

Matrix: (soil/water) SOIL | Date Analyzed: 11/11/2025

Level: (low/med) LOW | Time Analyzed: 13:07

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| PB170478BS | PB170478BS | BF144200.D | 11/11/2025 |
| SED-1 | Q3586-01 | BF144201.D | 11/11/2025 |
| SED-3 | Q3586-03 | BP026092.D | 11/11/2025 |
| SED-3MS | Q3586-03MS | BP026093.D | 11/11/2025 |
| SED-2 | Q3586-02 | BP026098.D | 11/11/2025 |
| SED-3MSD | Q3586-03MSD | BP026094.D | 11/11/2025 |

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3586

Lab File ID: BF144168.D DFTPP Injection Date: 11/05/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:21

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 68 | Less than 2.0% of mass 69 | 0.4 ( 1.8 ) 1 |
| 69 | Mass 69 relative abundance | 24.5 |
| 70 | Less than 2.0% of mass 69 | 0.1 ( 0.6 ) 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 | 5.2 |
| 365 | Greater than 1% of mass 198 | 2.6 |
| 441 | Present, but less than mass 443 | 15.9 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 19.3 (19.3) 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 | BF144169.D | 11/05/2025 | 12:50 |
| SSTDICC005 | SSTDICC005 | BF144170.D | 11/05/2025 | 13:20 |
| SSTDICC010 | SSTDICC010 | BF144171.D | 11/05/2025 | 13:50 |
| SSTDICC020 | SSTDICC020 | BF144172.D | 11/05/2025 | 14:20 |
| SSTDICCC040 | SSTDICCC040 | BF144173.D | 11/05/2025 | 14:50 |
| SSTDICC050 | SSTDICC050 | BF144174.D | 11/05/2025 | 15:49 |
| SSTDICC060 | SSTDICC060 | BF144175.D | 11/05/2025 | 16:19 |
| SSTDICC080 | SSTDICC080 | BF144176.D | 11/05/2025 | 16:49 |

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3586

Lab File ID: BF144197.D DFTPP Injection Date: 11/11/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:40

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 68 | Less than 2.0% of mass 69 | 0.3 ( 1.2 ) 1 |
| 69 | Mass 69 relative abundance | 23.5 |
| 70 | Less than 2.0% of mass 69 | 0.0 ( 0.0 ) 1 |
| 197 | Less than 2.0% of mass 198 | 0.1 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 4.8 |
| 365 | Greater than 1% of mass 198 | 3 |
| 441 | Present, but less than mass 443 | 15.4 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 18.7 (18.7) 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 | BF144198.D | 11/11/2025 | 10:09 |
| PB170478BL | PB170478BL | BF144199.D | 11/11/2025 | 13:07 |
| PB170478BS | PB170478BS | BF144200.D | 11/11/2025 | 13:36 |
| SED-1 | Q3586-01 | BF144201.D | 11/11/2025 | 14:09 |

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3586

Lab File ID: BP026027.D DFTPP Injection Date: 10/29/2025

Instrument ID: BNA_P DFTPP Injection Time: 08:45

| 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 | 32.9 |
| 70 | Less than 2.0% of mass 69 | 0.1 ( 0.4 ) 1 |
| 197 | Less than 2.0% of mass 198 | 0.4 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 6.6 |
| 365 | Greater than 1% of mass 198 | 3.1 |
| 441 | Present, but less than mass 443 | 11.5 |
| 442 | Greater than 50% of mass 198 | 75 |
| 443 | 15.0 - 24.0% of mass 442 | 14.4 (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 | BP026028.D | 10/29/2025 | 09:26 |
| SSTDICC005 | SSTDICC005 | BP026029.D | 10/29/2025 | 10:07 |
| SSTDICC010 | SSTDICC010 | BP026030.D | 10/29/2025 | 10:48 |
| SSTDICC020 | SSTDICC020 | BP026031.D | 10/29/2025 | 11:29 |
| SSTDICCC040 | SSTDICCC040 | BP026032.D | 10/29/2025 | 12:10 |
| SSTDICC050 | SSTDICC050 | BP026033.D | 10/29/2025 | 12:51 |
| SSTDICC060 | SSTDICC060 | BP026034.D | 10/29/2025 | 13:32 |
| SSTDICC080 | SSTDICC080 | BP026035.D | 10/29/2025 | 14:13 |

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3586

Lab File ID: BP026089.D DFTPP Injection Date: 11/11/2025

Instrument ID: BNA_P DFTPP Injection Time: 14:03

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 68 | Less than 2.0% of mass 69 | 0.4 ( 1.5 ) 1 |
| 69 | Mass 69 relative abundance | 29.8 |
| 70 | Less than 2.0% of mass 69 | 0.1 ( 0.3 ) 1 |
| 197 | Less than 2.0% of mass 198 | 0.3 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 6.9 |
| 365 | Greater than 1% of mass 198 | 3.5 |
| 441 | Present, but less than mass 443 | 14.2 |
| 442 | Greater than 50% of mass 198 | 91.8 |
| 443 | 15.0 - 24.0% of mass 442 | 17.6 (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 |
|---|---|---|---|---|
| SSTDCCC040 | SSTDCCC040 | BP026090.D | 11/11/2025 | 14:44 |
| SED-3 | Q3586-03 | BP026092.D | 11/11/2025 | 16:11 |
| SED-3MS | Q3586-03MS | BP026093.D | 11/11/2025 | 16:52 |
| SED-3MSD | Q3586-03MSD | BP026094.D | 11/11/2025 | 17:33 |
| SED-2 | Q3586-02 | BP026098.D | 11/11/2025 | 20:18 |

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3586

Client ID : SSTDCCC040 Date Analyzed: 11/11/2025

Lab File ID: BF144198.D Time Analyzed: 10:09

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 | 73404 | 6.875 | 271454 | 8.16 | 150816 | 9.92 |
| | UPPER LIMIT | 146808 | 7.375 | 542908 | 8.657 | 301632 | 10.416 |
| | LOWER LIMIT | 36702 | 6.375 | 135727 | 7.657 | 75408 | 9.416 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB170478BL | 80148 | 6.88 | 308933 | 8.16 | 180668 | 9.92 |
| 02 | PB170478BS | 75320 | 6.88 | 282587 | 8.16 | 160149 | 9.92 |
| 03 | SED-1 | 66900 | 6.88 | 248822 | 8.16 | 132870 | 9.92 |

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.: Q3586

Client ID: SSTDCCC040 Date Analyzed: 11/11/2025

Lab File ID: BF144198.D Time Analyzed: 10:09

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 | 253608 | 11.41 | 166330 | 14.057 | 229506 | 15.545 |
| | UPPER LIMIT | 507216 | 11.91 | 332660 | 14.557 | 459012 | 16.045 |
| | LOWER LIMIT | 126804 | 10.91 | 83165 | 13.557 | 114753 | 15.045 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB170478BL | 336603 | 11.41 | 225293 | 14.06 | 226985 | 15.55 |
| 02 | PB170478BS | 268017 | 11.41 | 166103 | 14.06 | 208533 | 15.55 |
| 03 | SED-1 | 221346 | 11.40 | 167727 | 14.06 | 213949 | 15.54 |

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.: Q3586

Client ID : SSTDCCC040 Date Analyzed: 11/11/2025

Lab File ID: BP026090.D Time Analyzed: 14:44

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 | 341127 | 7.678 | 1393560 | 10.45 | 901803 | 14.32 |
| | UPPER LIMIT | 682254 | 8.178 | 2787120 | 10.949 | 1803610 | 14.819 |
| | LOWER LIMIT | 170564 | 7.178 | 696780 | 9.949 | 450902 | 13.819 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | SED-2 | 249884 | 7.68 | 984033 | 10.44 | 622887 | 14.31 |
| 02 | SED-3 | 318405 | 7.68 | 1214570 | 10.46 | 729423 | 14.32 |
| 03 | SED-3MS | 296222 | 7.68 | 1166340 | 10.45 | 745428 | 14.31 |
| 04 | SED-3MSD | 270854 | 7.67 | 1115780 | 10.44 | 711326 | 14.32 |

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.: Q3586

Client ID: SSTDCCC040 Date Analyzed: 11/11/2025

Lab File ID: BP026090.D Time Analyzed: 14:44

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 | 1845190 | 17.131 | 1927460 | 21.589 | 2191180 | 24.924 |
| | UPPER LIMIT | 3690380 | 17.631 | 3854920 | 22.089 | 4382360 | 25.424 |
| | LOWER LIMIT | 922595 | 16.631 | 963730 | 21.089 | 1095590 | 24.424 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | SED-2 | 1353620 | 17.13 | 1635330 | 21.58 | 1941020 | 24.91 |
| 02 | SED-3 | 1507920 | 17.13 | 1773560 | 21.58 | 2177400 | 24.92 |
| 03 | SED-3MS | 1549760 | 17.13 | 1762340 | 21.58 | 2068060 | 24.92 |
| 04 | SED-3MSD | 1435440 | 17.13 | 1558560 | 21.58 | 1925500 | 24.92 |

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: | Remington & Vernick Engineers | | | Date Collected: | |
| Project: | Edison Landfill | | | Date Received: | |
| Client Sample ID: | PB170478BL | | | SDG No.: | Q3586 |
| Lab Sample ID: | PB170478BL | | | Matrix: | SOIL |
| Analytical Method: | 8270E | Level: | LOW | % Solid: | 100 |
| Sample Wt/Vol: | 30.01 g | Final Vol: | 1000 uL | Test: | SVOC-TCL BNA -20 |
| Prep Method : | SW3541 | Prep Date: | 11/11/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 100-52-7 | Benzaldehyde | 160 | U | 1 | 160 | 330 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 108-95-2 | Phenol | 22.1 | U | 1 | 22.1 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 111-44-4 | bis(2-Chloroethyl)ether | 24.3 | U | 1 | 24.3 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 95-57-8 | 2-Chlorophenol | 24.4 | U | 1 | 24.4 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 95-48-7 | 2-Methylphenol | 29.9 | U | 1 | 29.9 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 37.5 | U | 1 | 37.5 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 98-86-2 | Acetophenone | 29.5 | U | 1 | 29.5 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 65794-96-9 | 3+4-Methylphenols | 41.1 | U | 1 | 41.1 | 330 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 621-64-7 | n-Nitroso-di-n-propylamine | 47.4 | U | 1 | 47.4 | 80.0 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 67-72-1 | Hexachloroethane | 17.6 | U | 1 | 17.6 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 98-95-3 | Nitrobenzene | 18.3 | U | 1 | 18.3 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 78-59-1 | Isophorone | 32.8 | U | 1 | 32.8 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 88-75-5 | 2-Nitrophenol | 58.2 | U | 1 | 58.2 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 105-67-9 | 2,4-Dimethylphenol | 64.8 | U | 1 | 64.8 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 111-91-1 | bis(2-Chloroethoxy)methane | 30.8 | U | 1 | 30.8 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 120-83-2 | 2,4-Dichlorophenol | 28.3 | U | 1 | 28.3 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 91-20-3 | Naphthalene | 22.7 | U | 1 | 22.7 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 106-47-8 | 4-Chloroaniline | 35.4 | U | 1 | 35.4 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 87-68-3 | Hexachlorobutadiene | 25.3 | U | 1 | 25.3 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 105-60-2 | Caprolactam | 52.1 | U | 1 | 52.1 | 330 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 59-50-7 | 4-Chloro-3-methylphenol | 28.7 | U | 1 | 28.7 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 91-57-6 | 2-Methylnaphthalene | 25.6 | U | 1 | 25.6 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 77-47-4 | Hexachlorocyclopentadiene | 120 | U | 1 | 120 | 330 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 88-06-2 | 2,4,6-Trichlorophenol | 19.8 | U | 1 | 19.8 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 95-95-4 | 2,4,5-Trichlorophenol | 29.1 | U | 1 | 29.1 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 92-52-4 | 1,1-Biphenyl | 21.8 | U | 1 | 21.8 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 91-58-7 | 2-Chloronaphthalene | 22.5 | U | 1 | 22.5 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 88-74-4 | 2-Nitroaniline | 48.1 | U | 1 | 48.1 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 131-11-3 | Dimethylphthalate | 27.1 | U | 1 | 27.1 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 208-96-8 | Acenaphthylene | 28.9 | U | 1 | 28.9 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 606-20-2 | 2,6-Dinitrotoluene | 33.6 | U | 1 | 33.6 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 99-09-2 | 3-Nitroaniline | 46.0 | U | 1 | 46.0 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 83-32-9 | Acenaphthene | 21.3 | U | 1 | 21.3 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 51-28-5 | 2,4-Dinitrophenol | 230 | U | 1 | 230 | 330 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 100-02-7 | 4-Nitrophenol | 110 | U | 1 | 110 | 330 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 132-64-9 | Dibenzofuran | 22.7 | U | 1 | 22.7 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 121-14-2 | 2,4-Dinitrotoluene | 50.1 | U | 1 | 50.1 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 84-66-2 | Diethylphthalate | 28.3 | U | 1 | 28.3 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 26.7 | U | 1 | 26.7 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 86-73-7 | Fluorene | 25.3 | U | 1 | 25.3 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 100-01-6 | 4-Nitroaniline | 64.2 | U | 1 | 64.2 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 100 | U | 1 | 100 | 330 | ug/Kg | 11/11/25 13:07 | PB170478 |

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | |
| Project: | Edison Landfill | Date Received: | |
| Client Sample ID: | PB170478BL | SDG No.: | Q3586 |
| Lab Sample ID: | PB170478BL | Matrix: | SOIL |
| Analytical Method: | 8270E Level: LOW | % Solid: | 100 |
| Sample Wt/Vol: | 30.01 g Final Vol: 1000 uL | Test: | SVOC-TCL BNA -20 |
| Prep Method : | SW3541 Prep Date: 11/11/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 86-30-6 | n-Nitrosodiphenylamine | 32.9 | U | 1 | 32.9 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 101-55-3 | 4-Bromophenyl-phenylether | 27.8 | U | 1 | 27.8 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 118-74-1 | Hexachlorobenzene | 25.3 | U | 1 | 25.3 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 1912-24-9 | Atrazine | 34.0 | U | 1 | 34.0 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 87-86-5 | Pentachlorophenol | 51.3 | U | 1 | 51.3 | 330 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 85-01-8 | Phenanthrene | 20.9 | U | 1 | 20.9 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 120-12-7 | Anthracene | 33.3 | U | 1 | 33.3 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 86-74-8 | Carbazole | 31.2 | U | 1 | 31.2 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 84-74-2 | Di-n-butylphthalate | 47.9 | U | 1 | 47.9 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 206-44-0 | Fluoranthene | 30.0 | U | 1 | 30.0 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 129-00-0 | Pyrene | 36.0 | U | 1 | 36.0 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 85-68-7 | Butylbenzylphthalate | 71.4 | U | 1 | 71.4 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 91-94-1 | 3,3-Dichlorobenzidine | 36.7 | U | 1 | 36.7 | 330 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 56-55-3 | Benzo(a)anthracene | 23.0 | U | 1 | 23.0 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 218-01-9 | Chrysene | 19.9 | U | 1 | 19.9 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 59.2 | U | 1 | 59.2 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 117-84-0 | Di-n-octyl phthalate | 86.8 | U | 1 | 86.8 | 330 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 205-99-2 | Benzo(b)fluoranthene | 19.0 | U | 1 | 19.0 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 207-08-9 | Benzo(k)fluoranthene | 22.4 | U | 1 | 22.4 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 50-32-8 | Benzo(a)pyrene | 29.5 | U | 1 | 29.5 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 29.1 | U | 1 | 29.1 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 53-70-3 | Dibenzo(a,h)anthracene | 27.4 | U | 1 | 27.4 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 191-24-2 | Benzo(g,h,i)perylene | 25.7 | U | 1 | 25.7 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 25.6 | U | 1 | 25.6 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 123-91-1 | 1,4-Dioxane | 45.2 | U | 1 | 45.2 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 27.4 | U | 1 | 27.4 | 170 | ug/Kg | 11/11/25 13:07 | PB170478 |
| **SURROGATES** | | | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 115 | | | 30 (10) - 130 (105) | 77% | SPK: 150 | | |
| 13127-88-3 | Phenol-d6 | 118 | | | 30 (10) - 130 (103) | 79% | SPK: 150 | | |
| 4165-60-0 | Nitrobenzene-d5 | 83.0 | | | 30 (10) - 130 (108) | 83% | SPK: 100 | | |
| 321-60-8 | 2-Fluorobiphenyl | 79.8 | | | 30 (10) - 130 (108) | 80% | SPK: 100 | | |
| 118-79-6 | 2,4,6-Tribromophenol | 126 | | | 30 (10) - 130 (116) | 84% | SPK: 150 | | |
| 1718-51-0 | Terphenyl-d14 | 84.5 | | | 30 (10) - 130 (109) | 85% | SPK: 100 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 80100 | | | | | | | |
| 1146-65-2 | Naphthalene-d8 | 309000 | | | | | | | |
| 15067-26-2 | Acenaphthene-d10 | 181000 | | | | | | | |
| 1517-22-2 | Phenanthrene-d10 | 337000 | | | | | | | |
| 1719-03-5 | Chrysene-d12 | 225000 | | | | | | | |
| 1520-96-3 | Perylene-d12 | 227000 | | | | | | | |

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Fax : 908 789 8922



# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Remington & Vernick Engineers | | | Date Collected: | |
| Project: | Edison Landfill | | | Date Received: | |
| Client Sample ID: | PB170478BL | | | SDG No.: | Q3586 |
| Lab Sample ID: | PB170478BL | | | Matrix: | SOIL |
| Analytical Method: | 8270E | Level: | LOW | % Solid: | 100 |
| Sample Wt/Vol: | 30.01 g | Final Vol: | 1000 uL | Test: | SVOC-TCL BNA -20 |
| Prep Method : | SW3541 | Prep Date: | 11/11/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|

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

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

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



# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Remington & Vernick Engineers | | | Date Collected: | |
| Project: | Edison Landfill | | | Date Received: | |
| Client Sample ID: | PB170478BS | | | SDG No.: | Q3586 |
| Lab Sample ID: | PB170478BS | | | Matrix: | SOIL |
| Analytical Method: | 8270E | Level: | LOW | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 g | Final Vol: | 1000 uL | Test: | SVOC-TCL BNA -20 |
| Prep Method : | SW3541 | Prep Date: | 11/11/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 100-52-7 | Benzaldehyde | 1100 | | 1 | 160 | 330 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 108-95-2 | Phenol | 1400 | | 1 | 22.1 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 111-44-4 | bis(2-Chloroethyl)ether | 1400 | | 1 | 24.3 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 95-57-8 | 2-Chlorophenol | 1400 | | 1 | 24.4 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 95-48-7 | 2-Methylphenol | 1400 | | 1 | 29.9 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 1500 | | 1 | 37.5 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 98-86-2 | Acetophenone | 1600 | | 1 | 29.5 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 65794-96-9 | 3+4-Methylphenols | 1400 | | 1 | 41.1 | 330 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1400 | | 1 | 47.4 | 79.9 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 67-72-1 | Hexachloroethane | 1400 | | 1 | 17.6 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 98-95-3 | Nitrobenzene | 1500 | | 1 | 18.3 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 78-59-1 | Isophorone | 1500 | | 1 | 32.8 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 88-75-5 | 2-Nitrophenol | 1500 | | 1 | 58.2 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 105-67-9 | 2,4-Dimethylphenol | 1600 | | 1 | 64.8 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1500 | | 1 | 30.8 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 120-83-2 | 2,4-Dichlorophenol | 1400 | | 1 | 28.3 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 91-20-3 | Naphthalene | 1500 | | 1 | 22.7 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 106-47-8 | 4-Chloroaniline | 850 | | 1 | 35.4 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 87-68-3 | Hexachlorobutadiene | 1500 | | 1 | 25.3 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 105-60-2 | Caprolactam | 1500 | | 1 | 52.1 | 330 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 59-50-7 | 4-Chloro-3-methylphenol | 1500 | | 1 | 28.7 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 91-57-6 | 2-Methylnaphthalene | 1300 | | 1 | 25.6 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 77-47-4 | Hexachlorocyclopentadiene | 3000 | E | 1 | 120 | 330 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 88-06-2 | 2,4,6-Trichlorophenol | 1400 | | 1 | 19.8 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 95-95-4 | 2,4,5-Trichlorophenol | 1400 | | 1 | 29.1 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 92-52-4 | 1,1-Biphenyl | 1600 | | 1 | 21.8 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 91-58-7 | 2-Chloronaphthalene | 1400 | | 1 | 22.5 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 88-74-4 | 2-Nitroaniline | 1500 | | 1 | 48.1 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 131-11-3 | Dimethylphthalate | 1500 | | 1 | 27.1 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 208-96-8 | Acenaphthylene | 1600 | | 1 | 28.9 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 606-20-2 | 2,6-Dinitrotoluene | 1600 | | 1 | 33.6 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 99-09-2 | 3-Nitroaniline | 1000 | | 1 | 46.0 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 83-32-9 | Acenaphthene | 1300 | | 1 | 21.3 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 51-28-5 | 2,4-Dinitrophenol | 2900 | E | 1 | 230 | 330 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 100-02-7 | 4-Nitrophenol | 2600 | | 1 | 110 | 330 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 132-64-9 | Dibenzofuran | 1400 | | 1 | 22.7 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 121-14-2 | 2,4-Dinitrotoluene | 1500 | | 1 | 50.1 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 84-66-2 | Diethylphthalate | 1500 | | 1 | 28.3 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1400 | | 1 | 26.7 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 86-73-7 | Fluorene | 1500 | | 1 | 25.3 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 100-01-6 | 4-Nitroaniline | 1500 | | 1 | 64.2 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1400 | | 1 | 100 | 330 | ug/Kg | 11/11/25 13:36 | PB170478 |

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



# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Remington & Vernick Engineers | | | Date Collected: | |
| Project: | Edison Landfill | | | Date Received: | |
| Client Sample ID: | PB170478BS | | | SDG No.: | Q3586 |
| Lab Sample ID: | PB170478BS | | | Matrix: | SOIL |
| Analytical Method: | 8270E | Level: | LOW | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 g | Final Vol: | 1000 uL | Test: | SVOC-TCL BNA -20 |
| Prep Method : | SW3541 | Prep Date: | 11/11/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 86-30-6 | n-Nitrosodiphenylamine | 1500 | | 1 | 32.9 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 101-55-3 | 4-Bromophenyl-phenylether | 1500 | | 1 | 27.8 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 118-74-1 | Hexachlorobenzene | 1500 | | 1 | 25.3 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 1912-24-9 | Atrazine | 1600 | | 1 | 34.0 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 87-86-5 | Pentachlorophenol | 3100 | E | 1 | 51.3 | 330 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 85-01-8 | Phenanthrene | 1500 | | 1 | 20.9 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 120-12-7 | Anthracene | 1500 | | 1 | 33.3 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 86-74-8 | Carbazole | 1500 | | 1 | 31.2 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 84-74-2 | Di-n-butylphthalate | 1500 | | 1 | 47.9 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 206-44-0 | Fluoranthene | 1400 | | 1 | 30.0 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 129-00-0 | Pyrene | 1500 | | 1 | 36.0 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 85-68-7 | Butylbenzylphthalate | 1600 | | 1 | 71.4 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 91-94-1 | 3,3-Dichlorobenzidine | 1200 | | 1 | 36.7 | 330 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 56-55-3 | Benzo(a)anthracene | 1500 | | 1 | 23.0 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 218-01-9 | Chrysene | 1500 | | 1 | 19.9 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 1500 | | 1 | 59.2 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 117-84-0 | Di-n-octyl phthalate | 1500 | | 1 | 86.7 | 330 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 205-99-2 | Benzo(b)fluoranthene | 1700 | | 1 | 19.0 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 207-08-9 | Benzo(k)fluoranthene | 1400 | | 1 | 22.4 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 50-32-8 | Benzo(a)pyrene | 1600 | | 1 | 29.5 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1500 | | 1 | 29.1 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 53-70-3 | Dibenzo(a,h)anthracene | 1600 | | 1 | 27.4 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 191-24-2 | Benzo(g,h,i)perylene | 1600 | | 1 | 25.7 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 1600 | | 1 | 25.6 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 123-91-1 | 1,4-Dioxane | 1200 | | 1 | 45.2 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 1500 | | 1 | 27.4 | 170 | ug/Kg | 11/11/25 13:36 | PB170478 |
| **SURROGATES** | | | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 115 | | | 30 (10) - 130 (105) | 76% | SPK: 150 | | |
| 13127-88-3 | Phenol-d6 | 112 | | | 30 (10) - 130 (103) | 75% | SPK: 150 | | |
| 4165-60-0 | Nitrobenzene-d5 | 83.4 | | | 30 (10) - 130 (108) | 83% | SPK: 100 | | |
| 321-60-8 | 2-Fluorobiphenyl | 79.0 | | | 30 (10) - 130 (108) | 79% | SPK: 100 | | |
| 118-79-6 | 2,4,6-Tribromophenol | 121 | | | 30 (10) - 130 (116) | 81% | SPK: 150 | | |
| 1718-51-0 | Terphenyl-d14 | 82.9 | | | 30 (10) - 130 (109) | 83% | SPK: 100 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 75300 | | | | | | | |
| 1146-65-2 | Naphthalene-d8 | 283000 | | | | | | | |
| 15067-26-2 | Acenaphthene-d10 | 160000 | | | | | | | |
| 1517-22-2 | Phenanthrene-d10 | 268000 | | | | | | | |
| 1719-03-5 | Chrysene-d12 | 166000 | | | | | | | |
| 1520-96-3 | Perylene-d12 | 209000 | | | | | | | |

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



# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Remington & Vernick Engineers | | | Date Collected: | |
| Project: | Edison Landfill | | | Date Received: | |
| Client Sample ID: | PB170478BS | | | SDG No.: | Q3586 |
| Lab Sample ID: | PB170478BS | | | Matrix: | SOIL |
| Analytical Method: | 8270E | Level: | LOW | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 g | Final Vol: | 1000 uL | Test: | SVOC-TCL BNA -20 |
| Prep Method : | SW3541 | Prep Date: | 11/11/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|

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

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

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



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-3MS | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03MS | Matrix: | SOIL |
| Analytical Method: | 8270E Level: LOW | % Solid: | 50.9 |
| Sample Wt/Vol: | 30.05 g Final Vol: 1000 uL | Test: | SVOC-TCL BNA -20 |
| Prep Method : | SW3541 Prep Date: 11/11/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 100-52-7 | Benzaldehyde | 2600 | | 1 | 310 | 650 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 108-95-2 | Phenol | 3000 | | 1 | 43.3 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 111-44-4 | bis(2-Chloroethyl)ether | 2700 | | 1 | 47.7 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 95-57-8 | 2-Chlorophenol | 3100 | | 1 | 47.9 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 95-48-7 | 2-Methylphenol | 3000 | | 1 | 58.6 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 2500 | | 1 | 73.6 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 98-86-2 | Acetophenone | 2900 | | 1 | 57.9 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 65794-96-9 | 3+4-Methylphenols | 2900 | | 1 | 80.6 | 650 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 621-64-7 | n-Nitroso-di-n-propylamine | 2800 | | 1 | 93.0 | 160 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 67-72-1 | Hexachloroethane | 2900 | | 1 | 34.5 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 98-95-3 | Nitrobenzene | 3000 | | 1 | 35.9 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 78-59-1 | Isophorone | 2800 | | 1 | 64.3 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 88-75-5 | 2-Nitrophenol | 4100 | | 1 | 110 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 105-67-9 | 2,4-Dimethylphenol | 3300 | | 1 | 130 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 111-91-1 | bis(2-Chloroethoxy)methane | 2800 | | 1 | 60.4 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 120-83-2 | 2,4-Dichlorophenol | 3200 | | 1 | 55.5 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 91-20-3 | Naphthalene | 2800 | | 1 | 44.5 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 106-47-8 | 4-Chloroaniline | 1300 | | 1 | 69.4 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 87-68-3 | Hexachlorobutadiene | 2900 | | 1 | 49.6 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 105-60-2 | Caprolactam | 3200 | | 1 | 100 | 650 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 59-50-7 | 4-Chloro-3-methylphenol | 3200 | | 1 | 56.3 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 91-57-6 | 2-Methylnaphthalene | 2600 | | 1 | 50.2 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 77-47-4 | Hexachlorocyclopentadiene | 8600 | E | 1 | 230 | 650 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 88-06-2 | 2,4,6-Trichlorophenol | 3400 | | 1 | 38.8 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 95-95-4 | 2,4,5-Trichlorophenol | 3300 | | 1 | 57.1 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 92-52-4 | 1,1-Biphenyl | 2800 | | 1 | 42.8 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 91-58-7 | 2-Chloronaphthalene | 2800 | | 1 | 44.1 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 88-74-4 | 2-Nitroaniline | 3100 | | 1 | 94.3 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 131-11-3 | Dimethylphthalate | 2900 | | 1 | 53.2 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 208-96-8 | Acenaphthylene | 3300 | | 1 | 56.7 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 606-20-2 | 2,6-Dinitrotoluene | 3400 | | 1 | 65.9 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 99-09-2 | 3-Nitroaniline | 1900 | | 1 | 90.2 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 83-32-9 | Acenaphthene | 2700 | | 1 | 41.8 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 51-28-5 | 2,4-Dinitrophenol | 7200 | E | 1 | 450 | 650 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 100-02-7 | 4-Nitrophenol | 6800 | E | 1 | 210 | 650 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 132-64-9 | Dibenzofuran | 2800 | | 1 | 44.5 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 121-14-2 | 2,4-Dinitrotoluene | 3400 | | 1 | 98.3 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 84-66-2 | Diethylphthalate | 3000 | | 1 | 55.5 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 2800 | | 1 | 52.4 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 86-73-7 | Fluorene | 2900 | | 1 | 49.6 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 100-01-6 | 4-Nitroaniline | 3400 | | 1 | 130 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 4000 | | 1 | 200 | 650 | ug/Kg | 11/11/25 16:52 | PB170478 |

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



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-3MS | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03MS | Matrix: | SOIL |
| Analytical Method: | 8270E Level: LOW | % Solid: | 50.9 |
| Sample Wt/Vol: | 30.05 g Final Vol: 1000 uL | Test: | SVOC-TCL BNA -20 |
| Prep Method : | SW3541 Prep Date: 11/11/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 86-30-6 | n-Nitrosodiphenylamine | 2900 | | 1 | 64.5 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 101-55-3 | 4-Bromophenyl-phenylether | 2900 | | 1 | 54.5 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 118-74-1 | Hexachlorobenzene | 2900 | | 1 | 49.6 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 1912-24-9 | Atrazine | 3300 | | 1 | 66.7 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 87-86-5 | Pentachlorophenol | 6900 | E | 1 | 100 | 650 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 85-01-8 | Phenanthrene | 2800 | | 1 | 41.0 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 120-12-7 | Anthracene | 2900 | | 1 | 65.3 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 86-74-8 | Carbazole | 3000 | | 1 | 61.2 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 84-74-2 | Di-n-butylphthalate | 3200 | | 1 | 93.9 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 206-44-0 | Fluoranthene | 3000 | | 1 | 58.8 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 129-00-0 | Pyrene | 2800 | | 1 | 70.6 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 85-68-7 | Butylbenzylphthalate | 3300 | | 1 | 140 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 91-94-1 | 3,3-Dichlorobenzidine | 2200 | | 1 | 72.0 | 650 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 56-55-3 | Benzo(a)anthracene | 2900 | | 1 | 45.1 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 218-01-9 | Chrysene | 2900 | | 1 | 39.0 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 3100 | | 1 | 120 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 117-84-0 | Di-n-octyl phthalate | 3700 | | 1 | 170 | 650 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 205-99-2 | Benzo(b)fluoranthene | 2800 | | 1 | 37.3 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 207-08-9 | Benzo(k)fluoranthene | 2800 | | 1 | 43.9 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 50-32-8 | Benzo(a)pyrene | 3000 | | 1 | 57.9 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 3000 | | 1 | 57.1 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 53-70-3 | Dibenzo(a,h)anthracene | 3000 | | 1 | 53.7 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 191-24-2 | Benzo(g,h,i)perylene | 3100 | | 1 | 50.4 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 2800 | | 1 | 50.2 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 123-91-1 | 1,4-Dioxane | 2500 | | 1 | 88.7 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 3700 | | 1 | 53.7 | 330 | ug/Kg | 11/11/25 16:52 | PB170478 |
| **SURROGATES** | | | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 99.1 | | | 30 (10) - 130 (105) | 66% | SPK: 150 | | |
| 13127-88-3 | Phenol-d6 | 98.9 | | | 30 (10) - 130 (103) | 66% | SPK: 150 | | |
| 4165-60-0 | Nitrobenzene-d5 | 66.8 | | | 30 (10) - 130 (108) | 67% | SPK: 100 | | |
| 321-60-8 | 2-Fluorobiphenyl | 58.7 | | | 30 (10) - 130 (108) | 59% | SPK: 100 | | |
| 118-79-6 | 2,4,6-Tribromophenol | 117 | | | 30 (10) - 130 (116) | 78% | SPK: 150 | | |
| 1718-51-0 | Terphenyl-d14 | 60.4 | | | 30 (10) - 130 (109) | 60% | SPK: 100 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 296000 | | | | | | | |
| 1146-65-2 | Naphthalene-d8 | 1170000 | | | | | | | |
| 15067-26-2 | Acenaphthene-d10 | 745000 | | | | | | | |
| 1517-22-2 | Phenanthrene-d10 | 1550000 | | | | | | | |
| 1719-03-5 | Chrysene-d12 | 1760000 | | | | | | | |
| 1520-96-3 | Perylene-d12 | 2070000 | | | | | | | |

Alliance TECHNICAL GROUP
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Fax : 908 789 8922



# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Remington & Vernick Engineers | | | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | | | Date Received: | 11/07/25 |
| Client Sample ID: | SED-3MS | | | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03MS | | | Matrix: | SOIL |
| Analytical Method: | 8270E | Level: | LOW | % Solid: | 50.9 |
| Sample Wt/Vol: | 30.05 g | Final Vol: | 1000 uL | Test: | SVOC-TCL BNA -20 |
| Prep Method : | SW3541 | Prep Date: | 11/11/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|

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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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-3MSD | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03MSD | Matrix: | SOIL |
| Analytical Method: | 8270E Level: LOW | % Solid: | 50.9 |
| Sample Wt/Vol: | 30.01 g Final Vol: 1000 uL | Test: | SVOC-TCL BNA -20 |
| Prep Method : | SW3541 Prep Date: 11/11/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 100-52-7 | Benzaldehyde | 2700 | | 1 | 310 | 650 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 108-95-2 | Phenol | 3200 | | 1 | 43.4 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 111-44-4 | bis(2-Chloroethyl)ether | 2900 | | 1 | 47.7 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 95-57-8 | 2-Chlorophenol | 3300 | | 1 | 47.9 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 95-48-7 | 2-Methylphenol | 3200 | | 1 | 58.7 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 2600 | | 1 | 73.6 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 98-86-2 | Acetophenone | 3000 | | 1 | 57.9 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 65794-96-9 | 3+4-Methylphenols | 3200 | | 1 | 80.7 | 650 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 621-64-7 | n-Nitroso-di-n-propylamine | 3000 | | 1 | 93.1 | 160 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 67-72-1 | Hexachloroethane | 3100 | | 1 | 34.6 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 98-95-3 | Nitrobenzene | 3100 | | 1 | 35.9 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 78-59-1 | Isophorone | 2900 | | 1 | 64.4 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 88-75-5 | 2-Nitrophenol | 4200 | | 1 | 110 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 105-67-9 | 2,4-Dimethylphenol | 3400 | | 1 | 130 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 111-91-1 | bis(2-Chloroethoxy)methane | 2900 | | 1 | 60.5 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 120-83-2 | 2,4-Dichlorophenol | 3300 | | 1 | 55.6 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 91-20-3 | Naphthalene | 2900 | | 1 | 44.6 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 106-47-8 | 4-Chloroaniline | 1200 | | 1 | 69.5 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 87-68-3 | Hexachlorobutadiene | 3000 | | 1 | 49.7 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 105-60-2 | Caprolactam | 3300 | | 1 | 100 | 650 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 59-50-7 | 4-Chloro-3-methylphenol | 3300 | | 1 | 56.4 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 91-57-6 | 2-Methylnaphthalene | 2700 | | 1 | 50.3 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 77-47-4 | Hexachlorocyclopentadiene | 9200 | E | 1 | 230 | 650 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 88-06-2 | 2,4,6-Trichlorophenol | 3500 | | 1 | 38.9 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 95-95-4 | 2,4,5-Trichlorophenol | 3400 | | 1 | 57.2 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 92-52-4 | 1,1-Biphenyl | 2900 | | 1 | 42.8 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 91-58-7 | 2-Chloronaphthalene | 2900 | | 1 | 44.2 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 88-74-4 | 2-Nitroaniline | 3300 | | 1 | 94.5 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 131-11-3 | Dimethylphthalate | 3000 | | 1 | 53.2 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 208-96-8 | Acenaphthylene | 3400 | | 1 | 56.8 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 606-20-2 | 2,6-Dinitrotoluene | 3500 | | 1 | 66.0 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 99-09-2 | 3-Nitroaniline | 1900 | | 1 | 90.3 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 83-32-9 | Acenaphthene | 3300 | | 1 | 41.8 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 51-28-5 | 2,4-Dinitrophenol | 7200 | E | 1 | 450 | 650 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 100-02-7 | 4-Nitrophenol | 6700 | E | 1 | 210 | 650 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 132-64-9 | Dibenzofuran | 2900 | | 1 | 44.6 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 121-14-2 | 2,4-Dinitrotoluene | 3400 | | 1 | 98.4 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 84-66-2 | Diethylphthalate | 3000 | | 1 | 55.6 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 2900 | | 1 | 52.4 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 86-73-7 | Fluorene | 3000 | | 1 | 49.7 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 100-01-6 | 4-Nitroaniline | 3400 | | 1 | 130 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 4100 | | 1 | 200 | 650 | ug/Kg | 11/11/25 17:33 | PB170478 |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Remington & Vernick Engineers | | | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | | | Date Received: | 11/07/25 |
| Client Sample ID: | SED-3MSD | | | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03MSD | | | Matrix: | SOIL |
| Analytical Method: | 8270E | Level: | LOW | % Solid: | 50.9 |
| Sample Wt/Vol: | 30.01 g | Final Vol: | 1000 uL | Test: | SVOC-TCL BNA -20 |
| Prep Method : | SW3541 | Prep Date: | 11/11/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| 86-30-6 | n-Nitrosodiphenylamine | 3000 | | 1 | 64.6 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 101-55-3 | 4-Bromophenyl-phenylether | 3100 | | 1 | 54.6 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 118-74-1 | Hexachlorobenzene | 3100 | | 1 | 49.7 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 1912-24-9 | Atrazine | 3400 | | 1 | 66.8 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 87-86-5 | Pentachlorophenol | 7100 | E | 1 | 100 | 650 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 85-01-8 | Phenanthrene | 2900 | | 1 | 41.0 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 120-12-7 | Anthracene | 3000 | | 1 | 65.4 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 86-74-8 | Carbazole | 3000 | | 1 | 61.3 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 84-74-2 | Di-n-butylphthalate | 3200 | | 1 | 94.1 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 206-44-0 | Fluoranthene | 3000 | | 1 | 58.9 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 129-00-0 | Pyrene | 2900 | | 1 | 70.7 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 85-68-7 | Butylbenzylphthalate | 3400 | | 1 | 140 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 91-94-1 | 3,3-Dichlorobenzidine | 2400 | | 1 | 72.1 | 650 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 56-55-3 | Benzo(a)anthracene | 3000 | | 1 | 45.2 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 218-01-9 | Chrysene | 2900 | | 1 | 39.1 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 3100 | | 1 | 120 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 117-84-0 | Di-n-octyl phthalate | 3900 | | 1 | 170 | 650 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 205-99-2 | Benzo(b)fluoranthene | 3000 | | 1 | 37.3 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 207-08-9 | Benzo(k)fluoranthene | 2900 | | 1 | 44.0 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 50-32-8 | Benzo(a)pyrene | 3100 | | 1 | 57.9 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 3100 | | 1 | 57.2 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 53-70-3 | Dibenzo(a,h)anthracene | 3100 | | 1 | 53.8 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 191-24-2 | Benzo(g,h,i)perylene | 3200 | | 1 | 50.5 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 2900 | | 1 | 50.3 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 123-91-1 | 1,4-Dioxane | 2500 | | 1 | 88.8 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 3800 | | 1 | 53.8 | 330 | ug/Kg | 11/11/25 17:33 | PB170478 |
| **SURROGATES** | | | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 105 | | | 30 (10) - 130 (105) | 70% | SPK: 150 | | |
| 13127-88-3 | Phenol-d6 | 106 | | | 30 (10) - 130 (103) | 71% | SPK: 150 | | |
| 4165-60-0 | Nitrobenzene-d5 | 68.1 | | | 30 (10) - 130 (108) | 68% | SPK: 100 | | |
| 321-60-8 | 2-Fluorobiphenyl | 61.7 | | | 30 (10) - 130 (108) | 62% | SPK: 100 | | |
| 118-79-6 | 2,4,6-Tribromophenol | 119 | | | 30 (10) - 130 (116) | 79% | SPK: 150 | | |
| 1718-51-0 | Terphenyl-d14 | 62.3 | | | 30 (10) - 130 (109) | 62% | SPK: 100 | | |
| **INTERNAL STANDARDS** | | **Area Count** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 271000 | | | | | | | |
| 1146-65-2 | Naphthalene-d8 | 1120000 | | | | | | | |
| 15067-26-2 | Acenaphthene-d10 | 711000 | | | | | | | |
| 1517-22-2 | Phenanthrene-d10 | 1440000 | | | | | | | |
| 1719-03-5 | Chrysene-d12 | 1560000 | | | | | | | |
| 1520-96-3 | Perylene-d12 | 1930000 | | | | | | | |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Remington & Vernick Engineers | | | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | | | Date Received: | 11/07/25 |
| Client Sample ID: | SED-3MSD | | | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03MSD | | | Matrix: | SOIL |
| Analytical Method: | 8270E | Level: | LOW | % Solid: | 50.9 |
| Sample Wt/Vol: | 30.01 g | Final Vol: | 1000 uL | Test: | SVOC-TCL BNA -20 |
| Prep Method : | SW3541 | Prep Date: | 11/11/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|

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-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 05 18:37:33 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF144169.D 5 =BF144170.D 10 =BF144171.D 20 =BF144172.D 40 =BF144173.D 50 =BF144174.D 60 =BF144175.D 80 =BF1441
76.D

| | | Compound | 2.5 | 5 | 10 | 20 | 40 | 50 | 60 | 80 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzen... | ---------- | ISTD | ---------- | | | | | | | |
| 2) | | 1,4-Dioxane | | 0.526 | 0.487 | 0.518 | 0.554 | 0.500 | 0.573 | 0.540 | 0.528 | 5.68 |
| 3) | | Pyridine | | 1.374 | 1.406 | 1.491 | 1.520 | 1.378 | 1.607 | 1.543 | 1.474 | 6.12 |
| 4) | | n-Nitrosodimet... | | | 0.719 | 0.726 | 0.775 | 0.723 | 0.868 | 0.810 | 0.770 | 7.79 |
| 5) | S | 2-Fluorophenol | | 1.332 | 1.303 | 1.316 | 1.315 | 1.157 | 1.330 | 1.193 | 1.278 | 5.62 |
| 6) | | Aniline | | 2.194 | 2.169 | 2.114 | 2.067 | 1.841 | 2.139 | 1.920 | 2.063 | 6.46 |
| 7) | S | Phenol-d6 | | 1.566 | 1.518 | 1.511 | 1.460 | 1.281 | 1.461 | 1.339 | 1.448 | 7.08 |
| 8) | | 2-Chlorophenol | | 1.242 | 1.309 | 1.292 | 1.281 | 1.152 | 1.293 | 1.204 | 1.253 | 4.59 |
| 9) | | Benzaldehyde | | | 1.033 | 0.917 | 0.816 | 0.672 | 0.786 | 0.683 | 0.818 | 16.99 |
| 10) | C | Phenol | | 1.845 | 1.896 | 1.840 | 1.858 | 1.562 | 1.790 | 1.594 | 1.769 | 7.60 |
| 11) | | bis(2-Chloroet... | | 1.278 | 1.333 | 1.342 | 1.316 | 1.155 | 1.341 | 1.259 | 1.289 | 5.22 |
| 12) | | 1,3-Dichlorobe... | | 1.677 | 1.573 | 1.583 | 1.541 | 1.397 | 1.586 | 1.468 | 1.547 | 5.86 |
| 13) | C | 1,4-Dichlorobe... | | 1.669 | 1.563 | 1.583 | 1.591 | 1.372 | 1.604 | 1.464 | 1.549 | 6.40 |
| 14) | | 1,2-Dichlorobe... | | 1.651 | 1.510 | 1.488 | 1.485 | 1.325 | 1.533 | 1.404 | 1.485 | 6.88 |
| 15) | | Benzyl Alcohol | | | 1.140 | 1.188 | 1.161 | 1.050 | 1.197 | 1.145 | 1.147 | 4.61 |
| 16) | | 2,2'-oxybis(1-... | | 2.408 | 2.470 | 2.496 | 2.418 | 2.147 | 2.442 | 2.238 | 2.374 | 5.50 |
| 17) | | 2-Methylphenol | | 1.031 | 1.054 | 1.007 | 1.033 | 0.895 | 1.002 | 0.958 | 0.997 | 5.44 |
| 18) | | Hexachloroethane | | 0.512 | 0.513 | 0.532 | 0.532 | 0.467 | 0.543 | 0.504 | 0.515 | 4.90 |
| 19) | P | n-Nitroso-di-n... | 0.998 | 1.010 | 1.023 | 0.996 | 0.950 | 0.813 | 0.937 | 0.900 | 0.953 | 7.38 |
| 20) | | 3+4-Methylphenols | | | 1.330 | 1.223 | 1.215 | 1.030 | 1.175 | 1.080 | 1.175 | 9.16 |
| 21) | I | Naphthalene-d8 | ---------- | ISTD | ---------- | | | | | | | |
| 22) | | Acetophenone | | 0.479 | 0.464 | 0.434 | 0.434 | 0.380 | 0.421 | 0.391 | 0.429 | 8.34 |
| 23) | S | Nitrobenzene-d5 | | 0.343 | 0.352 | 0.349 | 0.360 | 0.321 | 0.361 | 0.338 | 0.346 | 4.07 |
| 24) | | Nitrobenzene | | 0.370 | 0.390 | 0.376 | 0.388 | 0.342 | 0.398 | 0.368 | 0.376 | 4.90 |
| 25) | | Isophorone | | 0.659 | 0.668 | 0.669 | 0.673 | 0.581 | 0.675 | 0.659 | 0.655 | 5.05 |
| 26) | C | 2-Nitrophenol | | 0.167 | 0.187 | 0.191 | 0.197 | 0.174 | 0.200 | 0.186 | 0.186 | 6.47 |
| 27) | | 2,4-Dimethylph... | | 0.281 | 0.278 | 0.265 | 0.298 | 0.260 | 0.295 | 0.275 | 0.279 | 5.08 |
| 28) | | bis(2-Chloroet... | | 0.426 | 0.417 | 0.412 | 0.423 | 0.372 | 0.423 | 0.390 | 0.409 | 5.02 |
| 29) | C | 2,4-Dichloroph... | | 0.334 | 0.342 | 0.330 | 0.331 | 0.289 | 0.326 | 0.297 | 0.322 | 6.20 |
| 30) | | 1,2,4-Trichlor... | | 0.350 | 0.349 | 0.332 | 0.337 | 0.296 | 0.335 | 0.312 | 0.330 | 5.96 |
| 31) | | Naphthalene | | 1.019 | 1.008 | 0.982 | 0.969 | 0.850 | 0.952 | 0.880 | 0.951 | 6.71 |
| 32) | | Benzoic acid | | | 0.268 | 0.220 | 0.180 | 0.165 | 0.190 | 0.204 | 0.204 | 17.90 |
| 33) | | 4-Chloroaniline | | 0.358 | 0.364 | 0.355 | 0.362 | 0.309 | 0.355 | 0.326 | 0.347 | 6.07 |
| 34) | C | Hexachlorobuta... | | 0.256 | 0.250 | 0.252 | 0.259 | 0.232 | 0.254 | 0.238 | 0.249 | 4.03 |
| 35) | | Caprolactam | | | 0.094 | 0.093 | 0.092 | 0.075 | 0.087 | 0.088 | 0.088 | 8.10 |
| 36) | C | 4-Chloro-3-met... | | 0.283 | 0.307 | 0.304 | 0.297 | 0.259 | 0.290 | 0.277 | 0.288 | 5.77 |
| 37) | | 2-Methylnaphth... | | 0.702 | 0.672 | 0.665 | 0.647 | 0.559 | 0.623 | 0.583 | 0.636 | 7.98 |
| 38) | | 1-Methylnaphth... | | 0.667 | 0.681 | 0.632 | 0.620 | 0.536 | 0.600 | 0.561 | 0.614 | 8.61 |

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110525.M

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 39) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 40) | | 1,2,4,5-Tetrac... | 0.677 | 0.662 | 0.659 | 0.675 | 0.588 | 0.716 | 0.611 | 0.655 | 6.57 |
| 41) | P | Hexachlorocycl... | | 0.121 | 0.142 | 0.200 | 0.204 | 0.253 | 0.248 | 0.195 | 27.78 |
| 42) | S | 2,4,6-Tribromo... | 0.242 | 0.257 | 0.257 | 0.265 | 0.227 | 0.261 | 0.249 | 0.251 | 5.27 |
| 43) | C | 2,4,6-Trichlor... | 0.440 | 0.449 | 0.449 | 0.456 | 0.409 | 0.489 | 0.431 | 0.446 | 5.49 |
| 44) | | 2,4,5-Trichlor... | 0.497 | 0.489 | 0.497 | 0.489 | 0.438 | 0.502 | 0.456 | 0.481 | 5.05 |
| 45) | S | 2-Fluorobiphenyl | 1.598 | 1.428 | 1.361 | 1.350 | 1.177 | 1.381 | 1.183 | 1.354 | 10.72 |
| 46) | | 1,1'-Biphenyl | 1.535 | 1.446 | 1.425 | 1.408 | 1.239 | 1.450 | 1.270 | 1.396 | 7.52 |
| 47) | | 2-Chloronaphth... | 1.303 | 1.216 | 1.206 | 1.204 | 1.068 | 1.252 | 1.087 | 1.191 | 7.12 |
| 48) | | 2-Nitroaniline | 0.302 | 0.347 | 0.349 | 0.361 | 0.326 | 0.374 | 0.345 | 0.344 | 6.84 |
| 49) | | Acenaphthylene | 1.727 | 1.686 | 1.677 | 1.645 | 1.440 | 1.678 | 1.506 | 1.623 | 6.57 |
| 50) | | Dimethylphthalate | 1.437 | 1.343 | 1.359 | 1.345 | 1.168 | 1.375 | 1.247 | 1.325 | 6.71 |
| 51) | | 2,6-Dinitrotol... | 0.251 | 0.271 | 0.271 | 0.276 | 0.252 | 0.290 | 0.266 | 0.268 | 5.16 |
| 52) | C | Acenaphthene | 1.138 | 1.162 | 1.120 | 1.096 | 0.956 | 1.117 | 1.007 | 1.085 | 6.90 |
| 53) | | 3-Nitroaniline | 0.271 | 0.301 | 0.302 | 0.315 | 0.264 | 0.316 | 0.283 | 0.293 | 7.07 |
| 54) | P | 2,4-Dinitrophenol | | 0.202 | 0.166 | 0.140 | 0.133 | 0.168 | 0.164 | 0.162 | 14.99 |
| 55) | | Dibenzofuran | 1.644 | 1.600 | 1.586 | 1.551 | 1.337 | 1.562 | 1.359 | 1.520 | 7.99 |
| 56) | P | 4-Nitrophenol | | 0.273 | 0.202 | 0.204 | 0.185 | 0.211 | 0.198 | 0.212 | 14.64 |
| 57) | | 2,4-Dinitrotol... | 0.322 | 0.377 | 0.372 | 0.385 | 0.328 | 0.377 | 0.353 | 0.359 | 7.07 |
| 58) | | Fluorene | 1.295 | 1.223 | 1.197 | 1.180 | 0.997 | 1.149 | 1.048 | 1.156 | 8.88 |
| 59) | | 2,3,4,6-Tetrac... | 0.308 | 0.347 | 0.336 | 0.358 | 0.316 | 0.372 | 0.345 | 0.340 | 6.58 |
| 60) | | Diethylphthalate | 1.294 | 1.273 | 1.254 | 1.254 | 1.075 | 1.237 | 1.163 | 1.221 | 6.27 |
| 61) | | 4-Chlorophenyl... | 0.711 | 0.701 | 0.678 | 0.685 | 0.570 | 0.659 | 0.605 | 0.658 | 7.92 |
| 62) | | 4-Nitroaniline | 0.273 | 0.290 | 0.293 | 0.288 | 0.254 | 0.288 | 0.268 | 0.279 | 5.10 |
| 63) | | Azobenzene | 1.157 | 1.203 | 1.145 | 1.164 | 0.995 | 1.197 | 1.096 | 1.137 | 6.33 |
| 64) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 65) | | 4,6-Dinitro-2-... | | 0.147 | 0.138 | 0.130 | 0.120 | 0.142 | 0.138 | 0.136 | 6.99 |
| 66) | c | n-Nitrosodiphe... | 0.695 | 0.676 | 0.635 | 0.646 | 0.577 | 0.660 | 0.614 | 0.643 | 6.12 |
| 67) | | 4-Bromophenyl-... | 0.264 | 0.260 | 0.255 | 0.263 | 0.228 | 0.266 | 0.252 | 0.255 | 5.18 |
| 68) | | Hexachlorobenzene | 0.306 | 0.306 | 0.305 | 0.300 | 0.273 | 0.319 | 0.296 | 0.301 | 4.74 |
| 69) | | Atrazine | 0.215 | 0.211 | 0.215 | 0.206 | 0.180 | 0.210 | 0.196 | 0.205 | 6.26 |
| 70) | C | Pentachlorophenol | | 0.135 | 0.144 | 0.156 | 0.137 | 0.162 | 0.165 | 0.150 | 8.76 |
| 71) | | Phenanthrene | 1.103 | 1.042 | 0.986 | 1.009 | 0.892 | 1.003 | 0.937 | 0.996 | 6.87 |
| 72) | | Anthracene | 1.120 | 1.059 | 1.027 | 1.022 | 0.897 | 1.027 | 0.936 | 1.013 | 7.37 |
| 73) | | Carbazole | 0.938 | 0.917 | 0.882 | 0.878 | 0.762 | 0.854 | 0.794 | 0.861 | 7.36 |
| 74) | | Di-n-butylphth... | 1.075 | 1.101 | 1.077 | 1.070 | 0.917 | 1.059 | 0.986 | 1.041 | 6.27 |
| 75) | C | Fluoranthene | 1.117 | 1.066 | 1.053 | 1.054 | 0.910 | 1.043 | 0.958 | 1.029 | 6.84 |
| 76) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 77) | | Benzidine | | 0.707 | 0.519 | 0.624 | 0.512 | 0.635 | 0.553 | 0.592 | 12.98 |
| 78) | | Pyrene | 1.763 | 1.745 | 1.631 | 1.704 | 1.372 | 1.569 | 1.504 | 1.613 | 8.79 |
| 79) | S | Terphenyl-d14 | 1.403 | 1.415 | 1.274 | 1.317 | 1.042 | 1.208 | 1.155 | 1.259 | 10.71 |
| 80) | | Butylbenzylpht... | 0.565 | 0.590 | 0.550 | 0.590 | 0.499 | 0.570 | 0.549 | 0.559 | 5.60 |
| 81) | | Benzo(a)anthra... | 1.455 | 1.340 | 1.330 | 1.430 | 1.290 | 1.493 | 1.366 | 1.386 | 5.37 |
| 82) | | 3,3'-Dichlorob... | | 0.453 | 0.461 | 0.482 | 0.441 | 0.532 | 0.481 | 0.475 | 6.77 |
| 83) | | Chrysene | 1.276 | 1.245 | 1.279 | 1.403 | 1.164 | 1.326 | 1.263 | 1.280 | 5.72 |
| 84) | | Bis(2-ethylhex... | 0.773 | 0.739 | 0.755 | 0.816 | 0.705 | 0.803 | 0.764 | 0.765 | 4.92 |
| 85) | c | Di-n-octyl pht... | | 1.163 | 1.272 | 1.410 | 1.269 | 1.442 | 1.364 | 1.320 | 7.91 |

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110525.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 86) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | |
| 87) | | Indeno(1,2,3-c... | 1.450 | 1.411 | 1.447 | 1.485 | 1.311 | 1.521 | 1.425 | 1.436 | 4.62 |
| 88) | | Benzo(b)fluora... | 1.199 | 1.133 | 1.114 | 1.233 | 1.002 | 1.134 | 1.143 | 1.137 | 6.40 |
| 89) | | Benzo(k)fluora... | 1.077 | 1.094 | 1.083 | 1.041 | 0.999 | 1.134 | 1.021 | 1.064 | 4.36 |
| 90) | C | Benzo(a)pyrene | 1.064 | 1.050 | 1.058 | 1.077 | 0.963 | 1.103 | 1.029 | 1.049 | 4.23 |
| 91) | | Dibenzo(a,h)an... | 1.155 | 1.155 | 1.175 | 1.198 | 1.040 | 1.209 | 1.138 | 1.153 | 4.85 |
| 92) | | Benzo(g,h,i)pe... | 1.095 | 1.125 | 1.153 | 1.191 | 1.028 | 1.228 | 1.150 | 1.139 | 5.70 |

(#) = Out of Range

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP102925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 30 11:51:34 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP026028.D 5 =BP026029.D 10 =BP026030.D 20 =BP026031.D 40 =BP026032.D 50 =BP026033.D 60 =BP026034.D 80 =BP0260
35.D

| | | Compound | 2.5 | 5 | 10 | 20 | 40 | 50 | 60 | 80 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzen... | ---------- | ISTD | ---------- | | | | | | | |
| 2) | | 1,4-Dioxane | | 0.472 | 0.567 | 0.519 | 0.515 | 0.453 | 0.541 | 0.510 | 0.511 | 7.57 |
| 3) | | Pyridine | | 1.330 | 1.538 | 1.488 | 1.481 | 1.304 | 1.552 | 1.475 | 1.453 | 6.69 |
| 4) | | n-Nitrosodimet... | | | 0.601 | 0.591 | 0.584 | 0.522 | 0.611 | 0.584 | 0.582 | 5.39 |
| 5) | S | 2-Fluorophenol | | 1.055 | 1.255 | 1.234 | 1.249 | 1.123 | 1.318 | 1.250 | 1.212 | 7.44 |
| 6) | | Aniline | | 1.893 | 2.157 | 2.117 | 2.112 | 1.885 | 2.158 | 2.091 | 2.059 | 5.76 |
| 7) | S | Phenol-d6 | | 1.366 | 1.580 | 1.574 | 1.606 | 1.425 | 1.644 | 1.604 | 1.543 | 6.77 |
| 8) | | 2-Chlorophenol | | 1.116 | 1.354 | 1.356 | 1.403 | 1.262 | 1.478 | 1.426 | 1.342 | 8.97 |
| 9) | | Benzaldehyde | | | 0.856 | 0.937 | 0.809 | 0.670 | 0.796 | 0.744 | 0.802 | 11.45 |
| 10) | C | Phenol | | 1.542 | 1.771 | 1.750 | 1.773 | 1.568 | 1.823 | 1.761 | 1.713 | 6.44 |
| 11) | | bis(2-Chloroet... | | 1.271 | 1.434 | 1.372 | 1.373 | 1.228 | 1.419 | 1.363 | 1.352 | 5.57 |
| 12) | | 1,3-Dichlorobe... | | 1.466 | 1.660 | 1.572 | 1.573 | 1.385 | 1.610 | 1.524 | 1.541 | 6.00 |
| 13) | C | 1,4-Dichlorobe... | | 1.491 | 1.681 | 1.585 | 1.578 | 1.399 | 1.633 | 1.542 | 1.558 | 5.97 |
| 14) | | 1,2-Dichlorobe... | | 1.412 | 1.595 | 1.517 | 1.515 | 1.338 | 1.550 | 1.481 | 1.487 | 5.83 |
| 15) | | Benzyl Alcohol | | | 1.070 | 1.099 | 1.140 | 1.020 | 1.179 | 1.165 | 1.112 | 5.47 |
| 16) | | 2,2'-oxybis(1-... | | 1.978 | 2.210 | 2.102 | 2.099 | 1.846 | 2.083 | 1.982 | 2.043 | 5.75 |
| 17) | | 2-Methylphenol | | 0.958 | 1.129 | 1.145 | 1.175 | 1.057 | 1.210 | 1.176 | 1.121 | 7.75 |
| 18) | | Hexachloroethane | | 0.481 | 0.562 | 0.535 | 0.552 | 0.490 | 0.568 | 0.546 | 0.533 | 6.49 |
| 19) | P | n-Nitroso-di-n... | 0.795 | 0.894 | 1.013 | 1.016 | 1.027 | 0.904 | 1.025 | 0.986 | 0.958 | 8.83 |
| 20) | | 3+4-Methylphenols | | | 1.521 | 1.557 | 1.613 | 1.430 | 1.646 | 1.595 | 1.560 | 4.96 |
| 21) | I | Naphthalene-d8 | ---------- | ISTD | ---------- | | | | | | | |
| 22) | | Acetophenone | | 0.481 | 0.548 | 0.519 | 0.518 | 0.455 | 0.525 | 0.494 | 0.506 | 6.14 |
| 23) | S | Nitrobenzene-d5 | | 0.256 | 0.317 | 0.327 | 0.338 | 0.306 | 0.359 | 0.343 | 0.321 | 10.34 |
| 24) | | Nitrobenzene | | 0.282 | 0.345 | 0.346 | 0.357 | 0.317 | 0.371 | 0.354 | 0.339 | 8.83 |
| 25) | | Isophorone | | 0.606 | 0.721 | 0.705 | 0.720 | 0.632 | 0.730 | 0.693 | 0.687 | 7.03 |
| 26) | C | 2-Nitrophenol | | 0.069 | 0.092 | 0.107 | 0.128 | 0.124 | | | 0.104 | 23.21 |
| 27) | | 2,4-Dimethylph... | | 0.243 | 0.306 | 0.281 | 0.302 | 0.269 | 0.315 | 0.305 | 0.289 | 8.90 |
| 28) | | bis(2-Chloroet... | | 0.406 | 0.466 | 0.436 | 0.447 | 0.396 | 0.451 | 0.427 | 0.433 | 5.79 |
| 29) | C | 2,4-Dichloroph... | | 0.241 | 0.302 | 0.308 | 0.327 | 0.292 | 0.340 | 0.324 | 0.305 | 10.75 |
| 30) | | 1,2,4-Trichlor... | | 0.306 | 0.361 | 0.337 | 0.339 | 0.301 | 0.347 | 0.328 | 0.331 | 6.52 |
| 31) | | Naphthalene | | 1.039 | 1.181 | 1.121 | 1.115 | 0.978 | 1.137 | 1.063 | 1.091 | 6.28 |
| 32) | | Benzoic acid | | | 0.100 | 0.127 | 0.168 | 0.162 | 0.206 | 0.213 | 0.163 | 26.84 |
| 33) | | 4-Chloroaniline | | 0.374 | 0.440 | 0.427 | 0.437 | 0.384 | 0.445 | 0.427 | 0.419 | 6.80 |
| 34) | C | Hexachlorobuta... | | 0.198 | 0.231 | 0.209 | 0.216 | 0.190 | 0.222 | 0.207 | 0.211 | 6.70 |
| 35) | | Caprolactam | | | 0.099 | 0.103 | 0.113 | 0.099 | 0.116 | 0.112 | 0.107 | 6.98 |
| 36) | C | 4-Chloro-3-met... | | 0.257 | 0.314 | 0.325 | 0.345 | 0.303 | 0.356 | 0.337 | 0.320 | 10.33 |
| 37) | | 2-Methylnaphth... | | 0.717 | 0.823 | 0.771 | 0.795 | 0.694 | 0.793 | 0.750 | 0.763 | 6.02 |
| 38) | | 1-Methylnaphth... | | 0.709 | 0.801 | 0.754 | 0.768 | 0.663 | 0.770 | 0.726 | 0.742 | 6.19 |

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP102925.M

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 39) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 40) | | 1,2,4,5-Tetrac... | 0.574 | 0.670 | 0.637 | 0.632 | 0.565 | 0.654 | 0.619 | 0.621 | 6.33 |
| 41) | P | Hexachlorocycl... | | 0.200 | 0.198 | 0.237 | 0.218 | 0.260 | 0.251 | 0.227 | 11.46 |
| 42) | S | 2,4,6-Tribromo... | 0.155 | 0.211 | 0.218 | 0.236 | 0.209 | 0.250 | 0.234 | 0.216 | 14.19 |
| 43) | C | 2,4,6-Trichlor... | 0.256 | 0.342 | 0.372 | 0.402 | 0.360 | 0.427 | 0.413 | 0.367 | 15.70 |
| 44) | | 2,4,5-Trichlor... | 0.309 | 0.414 | 0.425 | 0.456 | 0.405 | 0.469 | 0.456 | 0.419 | 12.90 |
| 45) | S | 2-Fluorobiphenyl | 1.350 | 1.549 | 1.454 | 1.421 | 1.231 | 1.432 | 1.307 | 1.392 | 7.53 |
| 46) | | 1,1'-Biphenyl | 1.454 | 1.673 | 1.577 | 1.560 | 1.378 | 1.585 | 1.493 | 1.531 | 6.36 |
| 47) | | 2-Chloronaphth... | 1.130 | 1.304 | 1.248 | 1.229 | 1.090 | 1.253 | 1.180 | 1.205 | 6.23 |
| 48) | | 2-Nitroaniline | 0.166 | 0.226 | 0.269 | 0.304 | 0.277 | 0.332 | 0.329 | 0.272 | 21.95 |
| 49) | | Acenaphthylene | 1.547 | 1.845 | 1.832 | 1.832 | 1.618 | 1.876 | 1.742 | 1.756 | 7.23 |
| 50) | | Dimethylphthalate | 1.282 | 1.574 | 1.491 | 1.522 | 1.323 | 1.554 | 1.438 | 1.455 | 7.81 |
| 51) | | 2,6-Dinitrotol... | 0.142 | 0.196 | 0.234 | 0.264 | 0.245 | 0.294 | 0.287 | 0.237 | 22.61 |
| 52) | C | Acenaphthene | 1.101 | 1.285 | 1.247 | 1.249 | 1.089 | 1.278 | 1.192 | 1.206 | 6.77 |
| 53) | | 3-Nitroaniline | 0.177 | 0.254 | 0.296 | 0.324 | 0.295 | 0.351 | 0.342 | 0.291 | 20.65 |
| 54) | P | 2,4-Dinitrophenol | | 0.069 | 0.082 | 0.100 | 0.096 | 0.123 | 0.126 | 0.100 | 22.44 |
| 55) | | Dibenzofuran | 1.725 | 1.997 | 1.886 | 1.869 | 1.614 | 1.884 | 1.776 | 1.822 | 6.94 |
| 56) | P | 4-Nitrophenol | | 0.277 | 0.309 | 0.285 | 0.258 | 0.310 | 0.301 | 0.290 | 7.04 |
| 57) | | 2,4-Dinitrotol... | 0.195 | 0.288 | 0.340 | 0.393 | 0.360 | 0.433 | 0.418 | 0.347 | 23.95 |
| 58) | | Fluorene | 1.347 | 1.621 | 1.501 | 1.450 | 1.260 | 1.492 | 1.319 | 1.427 | 8.77 |
| 59) | | 2,3,4,6-Tetrac... | 0.223 | 0.303 | 0.332 | 0.364 | 0.328 | 0.386 | 0.370 | 0.330 | 16.67 |
| 60) | | Diethylphthalate | 1.240 | 1.570 | 1.484 | 1.549 | 1.350 | 1.591 | 1.454 | 1.463 | 8.74 |
| 61) | | 4-Chlorophenyl... | 0.699 | 0.803 | 0.736 | 0.731 | 0.623 | 0.739 | 0.658 | 0.713 | 8.29 |
| 62) | | 4-Nitroaniline | 0.207 | 0.294 | 0.328 | 0.342 | 0.298 | 0.368 | 0.339 | 0.311 | 16.92 |
| 63) | | Azobenzene | 1.206 | 1.475 | 1.365 | 1.379 | 1.188 | 1.387 | 1.279 | 1.325 | 7.90 |
| 64) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 65) | | 4,6-Dinitro-2-... | | 0.053 | 0.065 | 0.076 | 0.075 | 0.096 | 0.096 | 0.077 | 22.06 |
| 66) | c | n-Nitrosodiphe... | 0.574 | 0.678 | 0.641 | 0.647 | 0.567 | 0.659 | 0.611 | 0.625 | 6.80 |
| 67) | | 4-Bromophenyl-... | 0.206 | 0.234 | 0.222 | 0.228 | 0.204 | 0.237 | 0.222 | 0.222 | 5.77 |
| 68) | | Hexachlorobenzene | 0.239 | 0.273 | 0.256 | 0.258 | 0.226 | 0.268 | 0.247 | 0.253 | 6.53 |
| 69) | | Atrazine | 0.177 | 0.213 | 0.221 | 0.219 | 0.193 | 0.239 | 0.216 | 0.211 | 9.57 |
| 70) | C | Pentachlorophenol | | 0.126 | 0.143 | 0.161 | 0.148 | 0.178 | 0.170 | 0.154 | 12.39 |
| 71) | | Phenanthrene | 1.133 | 1.288 | 1.209 | 1.189 | 1.031 | 1.195 | 1.105 | 1.164 | 7.12 |
| 72) | | Anthracene | 1.064 | 1.262 | 1.195 | 1.177 | 1.044 | 1.220 | 1.115 | 1.154 | 7.09 |
| 73) | | Carbazole | 0.985 | 1.172 | 1.164 | 1.129 | 0.969 | 1.148 | 1.078 | 1.092 | 7.74 |
| 74) | | Di-n-butylphth... | 0.937 | 1.219 | 1.241 | 1.333 | 1.196 | 1.378 | 1.252 | 1.222 | 11.57 |
| 75) | C | Fluoranthene | 1.259 | 1.469 | 1.426 | 1.411 | 1.224 | 1.422 | 1.295 | 1.358 | 7.09 |
| 76) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 77) | | Benzidine | | 0.411 | 0.508 | 0.517 | 0.451 | 0.598 | 0.560 | 0.508 | 13.50 |
| 78) | | Pyrene | 1.201 | 1.488 | 1.395 | 1.427 | 1.217 | 1.431 | 1.310 | 1.353 | 8.25 |
| 79) | S | Terphenyl-d14 | 0.953 | 1.125 | 1.013 | 1.014 | 0.860 | 1.019 | 0.908 | 0.984 | 8.77 |
| 80) | | Butylbenzylpht... | 0.235 | 0.337 | 0.407 | 0.496 | 0.468 | 0.559 | 0.520 | 0.432 | 26.44 |
| 81) | | Benzo(a)anthra... | 1.279 | 1.497 | 1.407 | 1.420 | 1.224 | 1.443 | 1.350 | 1.374 | 6.97 |
| 82) | | 3,3'-Dichlorob... | | 0.390 | 0.424 | 0.462 | 0.416 | 0.497 | 0.467 | 0.443 | 8.87 |
| 83) | | Chrysene | 1.210 | 1.424 | 1.348 | 1.345 | 1.169 | 1.349 | 1.268 | 1.302 | 6.92 |
| 84) | | Bis(2-ethylhex... | 0.453 | 0.613 | 0.690 | 0.829 | 0.768 | 0.866 | 0.808 | 0.718 | 20.27 |
| 85) | c | Di-n-octyl pht... | | 0.822 | 1.025 | 1.287 | 1.238 | 1.407 | 1.364 | 1.191 | 18.86 |

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP102925.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 86) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | |
| 87) | | Indeno(1,2,3-c... | 1.190 | 1.491 | 1.538 | 1.563 | 1.369 | 1.629 | 1.555 | 1.477 | 10.15 |
| 88) | | Benzo(b)fluora... | 1.074 | 1.277 | 1.278 | 1.306 | 1.149 | 1.345 | 1.262 | 1.242 | 7.67 |
| 89) | | Benzo(k)fluora... | 1.119 | 1.365 | 1.306 | 1.331 | 1.141 | 1.347 | 1.267 | 1.268 | 7.86 |
| 90) | C | Benzo(a)pyrene | 0.941 | 1.169 | 1.171 | 1.210 | 1.054 | 1.253 | 1.186 | 1.141 | 9.38 |
| 91) | | Dibenzo(a,h)an... | 0.978 | 1.219 | 1.249 | 1.274 | 1.117 | 1.320 | 1.255 | 1.202 | 9.72 |
| 92) | | Benzo(g,h,i)pe... | 0.966 | 1.167 | 1.219 | 1.212 | 1.068 | 1.259 | 1.204 | 1.156 | 8.92 |

(#) = Out of Range

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



7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3586

Instrument ID: BNA_F Calibration Date/Time: 11/11/2025 10:09

Lab File ID: BF144198.D Init. Calib. Date(s): 11/05/2025 11/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:50 16:49

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.278 | 1.343 | | 5.1 | |
| Benzaldehyde | 0.818 | 1.141 | | 39.5 | |
| Phenol-d6 | 1.448 | 1.461 | | 0.9 | |
| Phenol | 1.769 | 1.799 | | 1.7 | 20.0 |
| bis(2-Chloroethyl)ether | 1.289 | 1.325 | | 2.8 | |
| 2-Chlorophenol | 1.253 | 1.308 | | 4.4 | |
| 2-Methylphenol | 0.997 | 1.026 | | 2.9 | |
| 2,2-oxybis(1-Chloropropane) | 2.374 | 2.513 | | 5.9 | |
| Acetophenone | 0.429 | 0.431 | | 0.5 | |
| 3+4-Methylphenols | 1.175 | 1.170 | | -0.4 | |
| n-Nitroso-di-n-propylamine | 0.953 | 0.933 | 0.050 | -2.1 | |
| Nitrobenzene-d5 | 0.346 | 0.361 | | 4.3 | |
| Hexachloroethane | 0.515 | 0.537 | | 4.3 | |
| Nitrobenzene | 0.376 | 0.395 | | 5.1 | |
| Isophorone | 0.655 | 0.684 | | 4.4 | |
| 2-Nitrophenol | 0.186 | 0.194 | | 4.3 | 20.0 |
| 2,4-Dimethylphenol | 0.279 | 0.291 | | 4.3 | |
| bis(2-Chloroethoxy)methane | 0.409 | 0.435 | | 6.4 | |
| 2,4-Dichlorophenol | 0.322 | 0.330 | | 2.5 | 20.0 |
| Naphthalene | 0.951 | 0.984 | | 3.5 | |
| 4-Chloroaniline | 0.347 | 0.357 | | 2.9 | |
| Hexachlorobutadiene | 0.249 | 0.256 | | 2.8 | 20.0 |
| Caprolactam | 0.088 | 0.087 | | -1.1 | |
| 4-Chloro-3-methylphenol | 0.288 | 0.299 | | 3.8 | 20.0 |
| 2-Methylnaphthalene | 0.636 | 0.648 | | 1.9 | |
| Hexachlorocyclopentadiene | 0.195 | 0.194 | 0.050 | -0.5 | |
| 2,4,6-Trichlorophenol | 0.446 | 0.456 | | 2.2 | 20.0 |
| 2-Fluorobiphenyl | 1.354 | 1.339 | | -1.1 | |
| 2,4,5-Trichlorophenol | 0.481 | 0.474 | | -1.5 | |
| 1,1-Biphenyl | 1.396 | 1.427 | | 2.2 | |
| 2-Chloronaphthalene | 1.191 | 1.218 | | 2.3 | |
| 2-Nitroaniline | 0.344 | 0.376 | | 9.3 | |
| Dimethylphthalate | 1.325 | 1.353 | | 2.1 | |
| Acenaphthylene | 1.623 | 1.647 | | 1.5 | |
| 2,6-Dinitrotoluene | 0.268 | 0.287 | | 7.1 | |
| 3-Nitroaniline | 0.293 | 0.295 | | 0.7 | |
| Acenaphthene | 1.085 | 1.099 | | 1.3 | 20.0 |
| 2,4-Dinitrophenol | 0.162 | 0.138 | 0.050 | -14.8 | |
| 4-Nitrophenol | 0.212 | 0.184 | 0.050 | -13.2 | |

Form VII SV-1

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Fax : 908 789 8922



7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3586

Instrument ID: BNA_F Calibration Date/Time: 11/11/2025 10:09

Lab File ID: BF144198.D Init. Calib. Date(s): 11/05/2025 11/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:50 16:49

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dibenzofuran | 1.520 | 1.519 | | -0.1 | |
| 2,4-Dinitrotoluene | 0.359 | 0.366 | | 2.0 | |
| Diethylphthalate | 1.221 | 1.241 | | 1.6 | |
| 4-Chlorophenyl-phenylether | 0.658 | 0.656 | | -0.3 | |
| Fluorene | 1.156 | 1.167 | | 1.0 | |
| 4-Nitroaniline | 0.279 | 0.287 | | 2.9 | |
| 4,6-Dinitro-2-methylphenol | 0.136 | 0.126 | | -7.4 | |
| n-Nitrosodiphenylamine | 0.643 | 0.657 | | 2.2 | 20.0 |
| 2,4,6-Tribromophenol | 0.251 | 0.243 | | -3.2 | |
| 4-Bromophenyl-phenylether | 0.255 | 0.262 | | 2.7 | |
| Hexachlorobenzene | 0.301 | 0.309 | | 2.7 | |
| Atrazine | 0.205 | 0.205 | | 0.0 | |
| Pentachlorophenol | 0.150 | 0.138 | | -8.0 | 20.0 |
| Phenanthrene | 0.996 | 0.987 | | -0.9 | |
| Anthracene | 1.013 | 1.019 | | 0.6 | |
| Carbazole | 0.861 | 0.852 | | -1.0 | |
| Di-n-butylphthalate | 1.041 | 1.049 | | 0.8 | |
| Fluoranthene | 1.029 | 1.014 | | -1.5 | 20.0 |
| Pyrene | 1.613 | 1.566 | | -2.9 | |
| Terphenyl-d14 | 1.259 | 1.207 | | -4.1 | |
| Butylbenzylphthalate | 0.559 | 0.578 | | 3.4 | |
| 3,3-Dichlorobenzidine | 0.475 | 0.493 | | 3.8 | |
| Benzo(a)anthracene | 1.386 | 1.437 | | 3.6 | |
| Chrysene | 1.280 | 1.280 | | 0.0 | |
| Bis(2-ethylhexyl)phthalate | 0.765 | 0.811 | | 6.0 | |
| Di-n-octyl phthalate | 1.320 | 1.415 | | 7.2 | 20.0 |
| Benzo(b)fluoranthene | 1.137 | 1.103 | | -3.0 | |
| Benzo(k)fluoranthene | 1.064 | 1.090 | | 2.4 | |
| Benzo(a)pyrene | 1.049 | 1.050 | | 0.1 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.436 | 1.464 | | 2.0 | |
| Dibenzo(a,h)anthracene | 1.153 | 1.177 | | 2.1 | |
| Benzo(g,h,i)perylene | 1.139 | 1.175 | | 3.1 | |
| 1,2,4,5-Tetrachlorobenzene | 0.655 | 0.671 | | 2.4 | |
| 1,4-Dioxane | 0.528 | 0.547 | | 3.6 | 20.0 |
| 2,3,4,6-Tetrachlorophenol | 0.340 | 0.347 | | 2.1 | |

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3586

Instrument ID: BNA_P Calibration Date/Time: 11/11/2025 14:44

Lab File ID: BP026090.D Init. Calib. Date(s): 10/29/2025 10/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:26 14:13

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.212 | 1.264 | | 4.3 | |
| Benzaldehyde | 0.802 | 0.731 | | -8.9 | |
| Phenol-d6 | 1.543 | 1.614 | | 4.6 | |
| Phenol | 1.713 | 1.746 | | 1.9 | 20.0 |
| bis(2-Chloroethyl)ether | 1.352 | 1.365 | | 1.0 | |
| 2-Chlorophenol | 1.342 | 1.449 | | 8.0 | |
| 2-Methylphenol | 1.121 | 1.171 | | 4.5 | |
| 2,2-oxybis(1-Chloropropane) | 2.043 | 1.910 | | -6.5 | |
| Acetophenone | 0.506 | 0.507 | | 0.2 | |
| 3+4-Methylphenols | 1.560 | 1.626 | | 4.2 | |
| n-Nitroso-di-n-propylamine | 0.958 | 0.999 | 0.050 | 4.3 | |
| Nitrobenzene-d5 | 0.321 | 0.350 | | 9.0 | |
| Hexachloroethane | 0.533 | 0.569 | | 6.8 | |
| Nitrobenzene | 0.339 | 0.359 | | 5.9 | |
| Isophorone | 0.687 | 0.710 | | 3.3 | |
| 2-Nitrophenol | 0.104 | 0.185 | | 77.9 | 20.0 |
| 2,4-Dimethylphenol | 0.289 | 0.300 | | 3.8 | |
| bis(2-Chloroethoxy)methane | 0.433 | 0.445 | | 2.8 | |
| 2,4-Dichlorophenol | 0.305 | 0.340 | | 11.5 | 20.0 |
| Naphthalene | 1.091 | 1.100 | | 0.8 | |
| 4-Chloroaniline | 0.419 | 0.430 | | 2.6 | |
| Hexachlorobutadiene | 0.211 | 0.223 | | 5.7 | 20.0 |
| Caprolactam | 0.107 | 0.117 | | 9.3 | |
| 4-Chloro-3-methylphenol | 0.320 | 0.353 | | 10.3 | 20.0 |
| 2-Methylnaphthalene | 0.763 | 0.781 | | 2.4 | |
| Hexachlorocyclopentadiene | 0.227 | 0.287 | 0.050 | 26.4 | |
| 2,4,6-Trichlorophenol | 0.367 | 0.434 | | 18.3 | 20.0 |
| 2-Fluorobiphenyl | 1.392 | 1.380 | | -0.9 | |
| 2,4,5-Trichlorophenol | 0.419 | 0.475 | | 13.4 | |
| 1,1-Biphenyl | 1.531 | 1.524 | | -0.5 | |
| 2-Chloronaphthalene | 1.205 | 1.209 | | 0.3 | |
| 2-Nitroaniline | 0.272 | 0.334 | | 22.8 | |
| Dimethylphthalate | 1.455 | 1.529 | | 5.1 | |
| Acenaphthylene | 1.756 | 1.763 | | 0.4 | |
| 2,6-Dinitrotoluene | 0.237 | 0.310 | | 30.8 | |
| 3-Nitroaniline | 0.291 | 0.359 | | 23.4 | |
| Acenaphthene | 1.206 | 1.180 | | -2.2 | 20.0 |
| 2,4-Dinitrophenol | 0.100 | 0.159 | 0.050 | 59.0 | |
| 4-Nitrophenol | 0.290 | 0.317 | 0.050 | 9.3 | |

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3586

Instrument ID: BNA_P Calibration Date/Time: 11/11/2025 14:44

Lab File ID: BP026090.D Init. Calib. Date(s): 10/29/2025 10/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:26 14:13

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dibenzofuran | 1.822 | 1.817 | | -0.3 | |
| 2,4-Dinitrotoluene | 0.347 | 0.459 | | 32.3 | |
| Diethylphthalate | 1.463 | 1.536 | | 5.0 | |
| 4-Chlorophenyl-phenylether | 0.713 | 0.734 | | 2.9 | |
| Fluorene | 1.427 | 1.432 | | 0.3 | |
| 4-Nitroaniline | 0.311 | 0.370 | | 19.0 | |
| 4,6-Dinitro-2-methylphenol | 0.077 | 0.116 | | 50.6 | |
| n-Nitrosodiphenylamine | 0.625 | 0.623 | | -0.3 | 20.0 |
| 2,4,6-Tribromophenol | 0.216 | 0.265 | | 22.7 | |
| 4-Bromophenyl-phenylether | 0.222 | 0.233 | | 5.0 | |
| Hexachlorobenzene | 0.253 | 0.264 | | 4.3 | |
| Atrazine | 0.211 | 0.223 | | 5.7 | |
| Pentachlorophenol | 0.154 | 0.182 | | 18.2 | 20.0 |
| Phenanthrene | 1.164 | 1.133 | | -2.7 | |
| Anthracene | 1.154 | 1.149 | | -0.4 | |
| Carbazole | 1.092 | 1.094 | | 0.2 | |
| Di-n-butylphthalate | 1.222 | 1.365 | | 11.7 | |
| Fluoranthene | 1.358 | 1.371 | | 1.0 | 20.0 |
| Pyrene | 1.353 | 1.374 | | 1.6 | |
| Terphenyl-d14 | 0.984 | 0.992 | | 0.8 | |
| Butylbenzylphthalate | 0.432 | 0.610 | | 41.2 | |
| 3,3-Dichlorobenzidine | 0.443 | 0.491 | | 10.8 | |
| Benzo(a)anthracene | 1.374 | 1.392 | | 1.3 | |
| Chrysene | 1.302 | 1.303 | | 0.1 | |
| Bis(2-ethylhexyl)phthalate | 0.718 | 0.915 | | 27.4 | |
| Di-n-octyl phthalate | 1.191 | 1.622 | | 36.2 | 20.0 |
| Benzo(b)fluoranthene | 1.242 | 1.261 | | 1.5 | |
| Benzo(k)fluoranthene | 1.268 | 1.232 | | -2.8 | |
| Benzo(a)pyrene | 1.141 | 1.172 | | 2.7 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.476 | 1.518 | | 2.8 | |
| Dibenzo(a,h)anthracene | 1.202 | 1.234 | | 2.7 | |
| Benzo(g,h,i)perylene | 1.156 | 1.176 | | 1.7 | |
| 1,2,4,5-Tetrachlorobenzene | 0.621 | 0.638 | | 2.7 | |
| 1,4-Dioxane | 0.511 | 0.508 | | -0.6 | 20.0 |
| 2,3,4,6-Tetrachlorophenol | 0.330 | 0.408 | | 23.6 | |

All other compounds must meet a minimum RRF of 0.010.

# SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144201.D
Acq On : 11 Nov 2025 14:09
Operator : RC/JU
Sample : Q3586-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SED-1

Quant Time: Nov 11 14:29:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

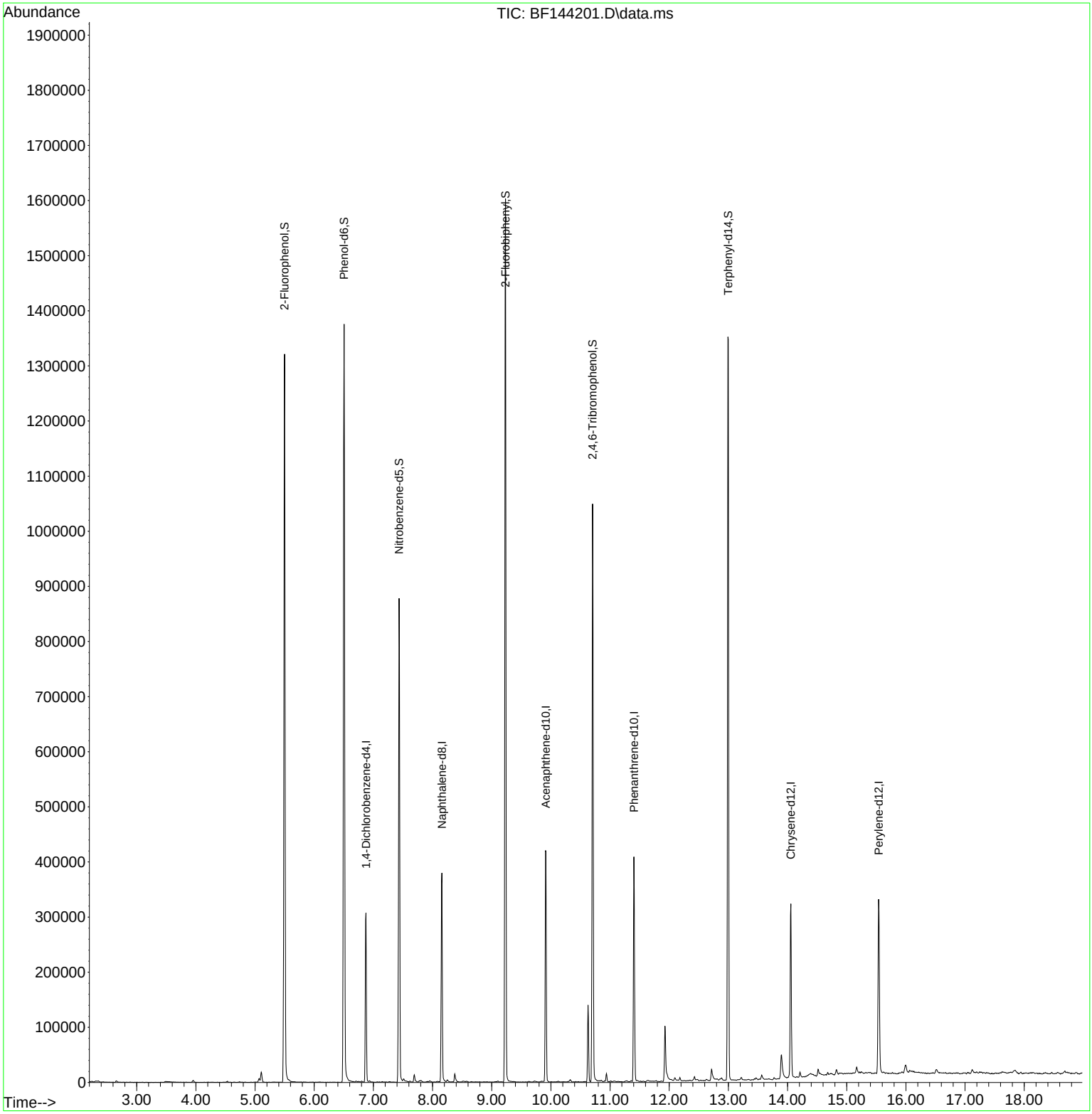
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 66900 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 248822 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 132870 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.404 | 188 | 221346 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.057 | 240 | 167727 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.539 | 264 | 213949 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.498 | 112 | 503087 | 117.678 | ng | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 582365 | 120.223 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.434 | 82 | 371885 | 86.320 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.704 | 330 | 210459 | 126.223 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.233 | 172 | 758037 | 84.261 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.998 | 244 | 741841 | 70.254 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |

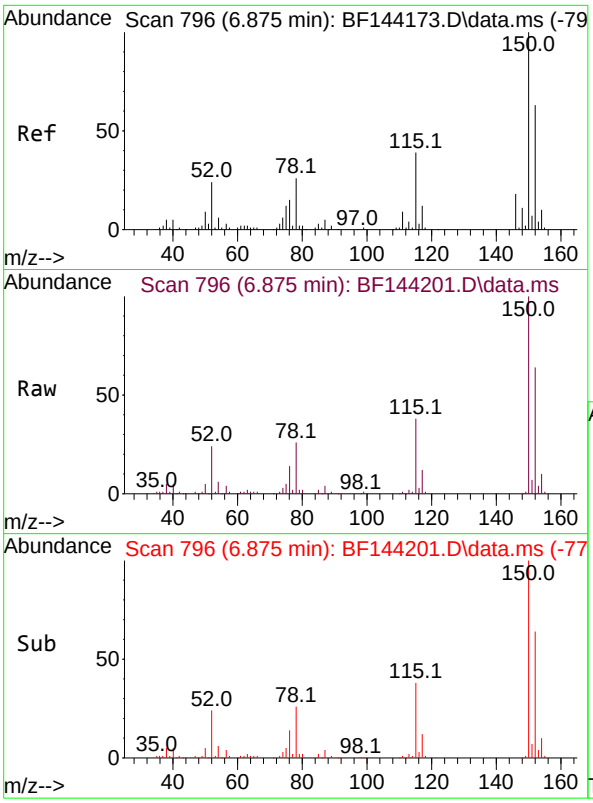
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144201.D
Acq On : 11 Nov 2025 14:09
Operator : RC/JU
Sample : Q3586-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SED-1

Quant Time: Nov 11 14:29:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



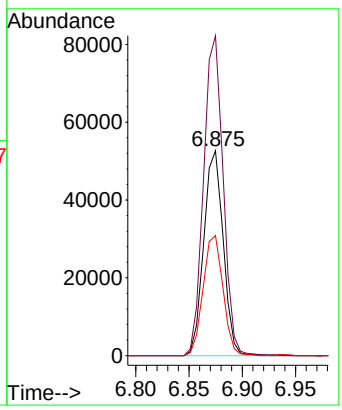


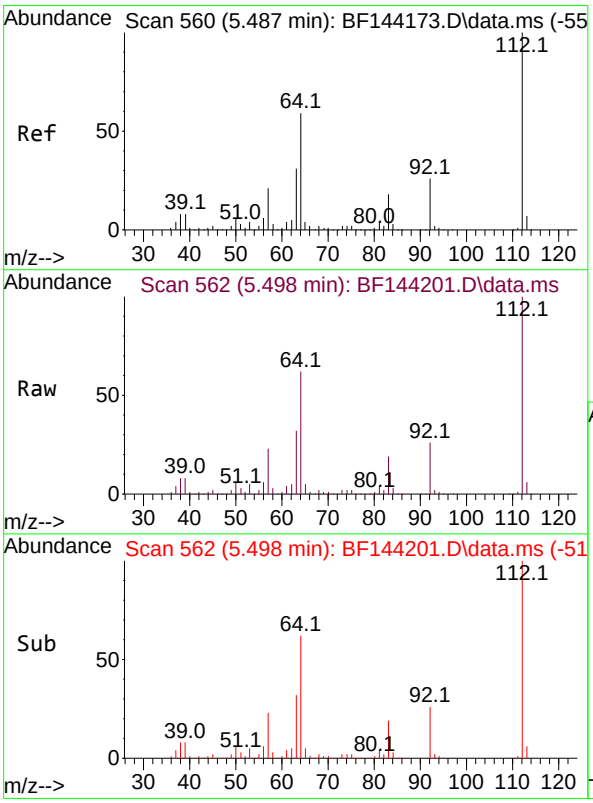

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144201.D
Acq: 11 Nov 2025 14:09

**Instrument :**
BNA_F
**ClientSampleId :**
SED-1

Tgt Ion:152 Resp: 66900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.2 | 127.4 | 191.0 |
| 115 | 58.6 | 49.5 | 74.3 |

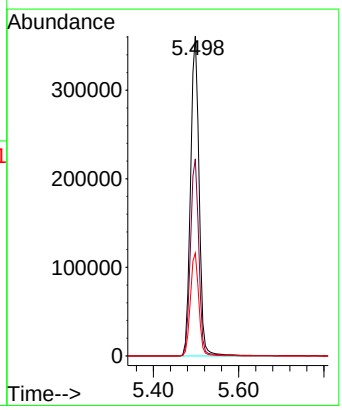


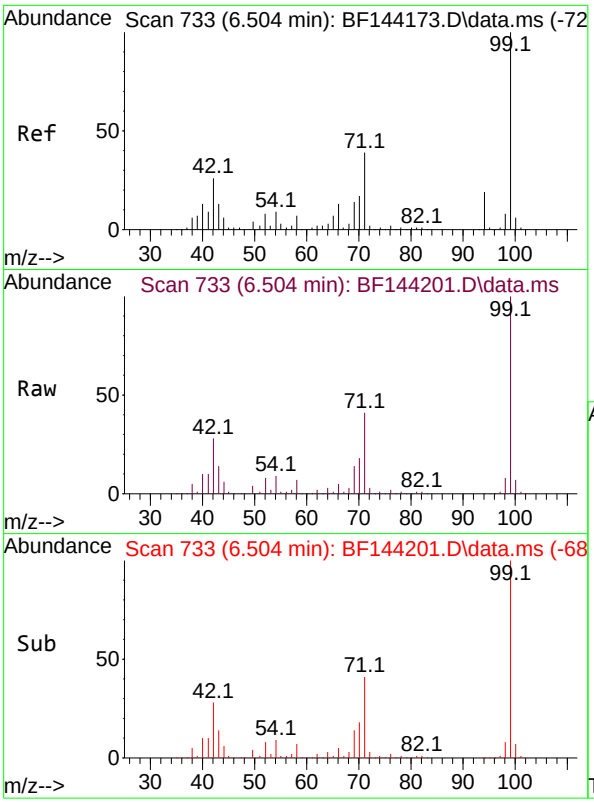




#5
2-Fluorophenol
Concen: 117.678 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF144201.D
Acq: 11 Nov 2025 14:09

Tgt Ion:112 Resp: 503087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.6 | 47.2 | 70.8 |
| 63 | 32.1 | 24.4 | 36.6 |



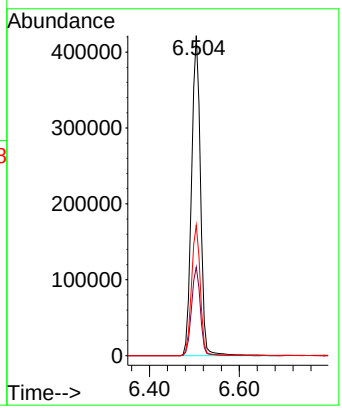


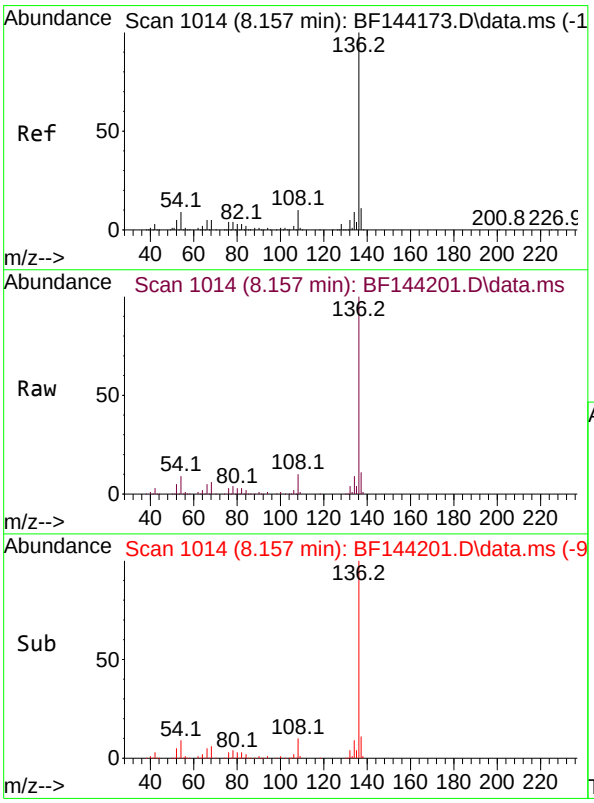

#7
Phenol-d6
Concen: 120.223 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF144201.D
Acq: 11 Nov 2025 14:09

**Instrument :**
BNA_F
**ClientSampleId :**
SED-1

Tgt Ion: 99 Resp: 582365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 27.7 | 20.9 | 31.3 |
| 71 | 40.8 | 31.4 | 47.2 |

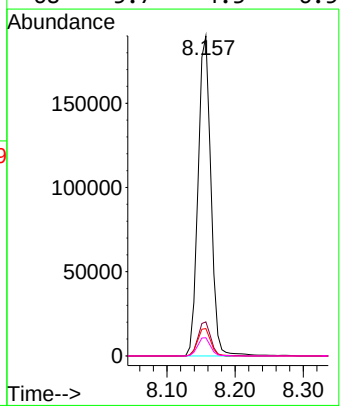


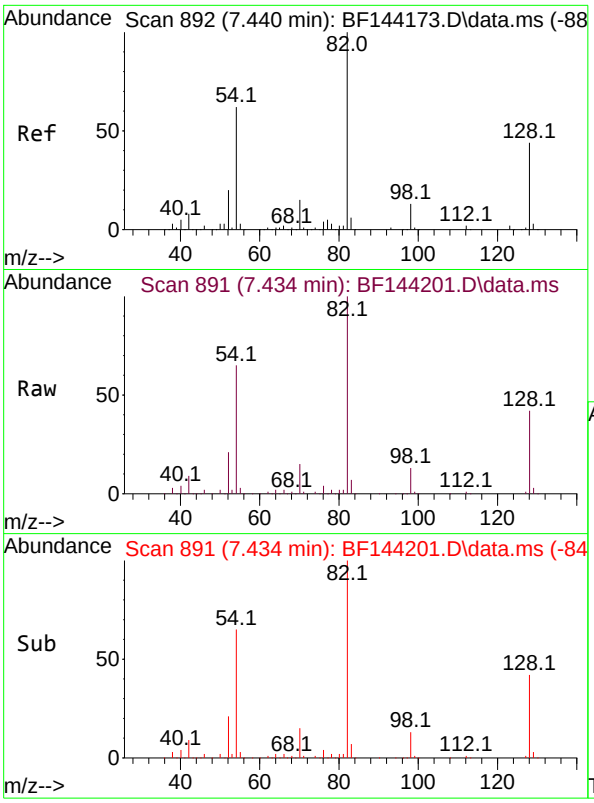




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF144201.D
Acq: 11 Nov 2025 14:09

Tgt Ion:136 Resp: 248822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.6 | 13.0 |
| 54 | 8.5 | 7.0 | 10.6 |
| 68 | 5.7 | 4.3 | 6.5 |



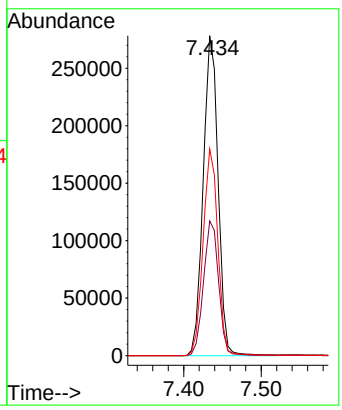


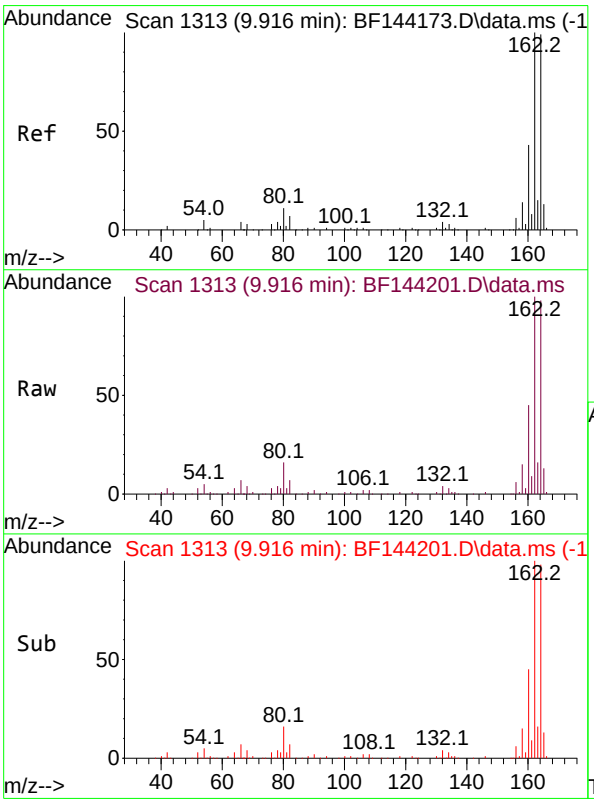

#23
Nitrobenzene-d5
Concen: 86.320 ng
RT: 7.434 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF144201.D
Acq: 11 Nov 2025 14:09

**Instrument :**
BNA_F
**ClientSampleId :**
SED-1

Tgt Ion: 82 Resp: 371885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.1 | 34.7 | 52.1 |
| 54 | 64.6 | 49.5 | 74.3 |

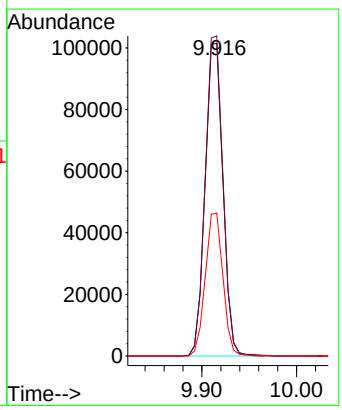


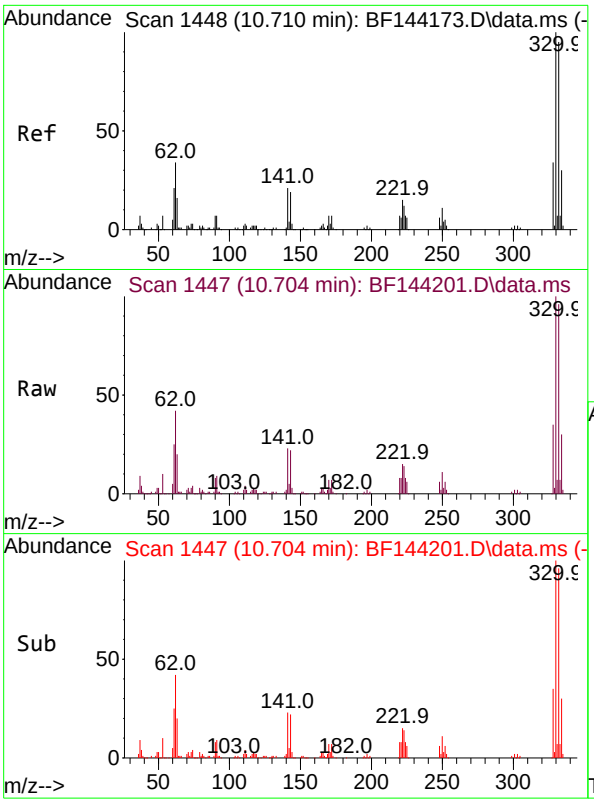




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BF144201.D
Acq: 11 Nov 2025 14:09

Tgt Ion:164 Resp: 132870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.4 | 81.1 | 121.7 |
| 160 | 45.7 | 34.5 | 51.7 |



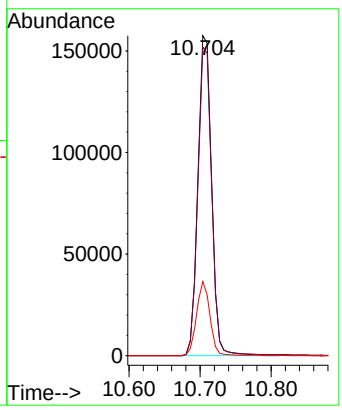


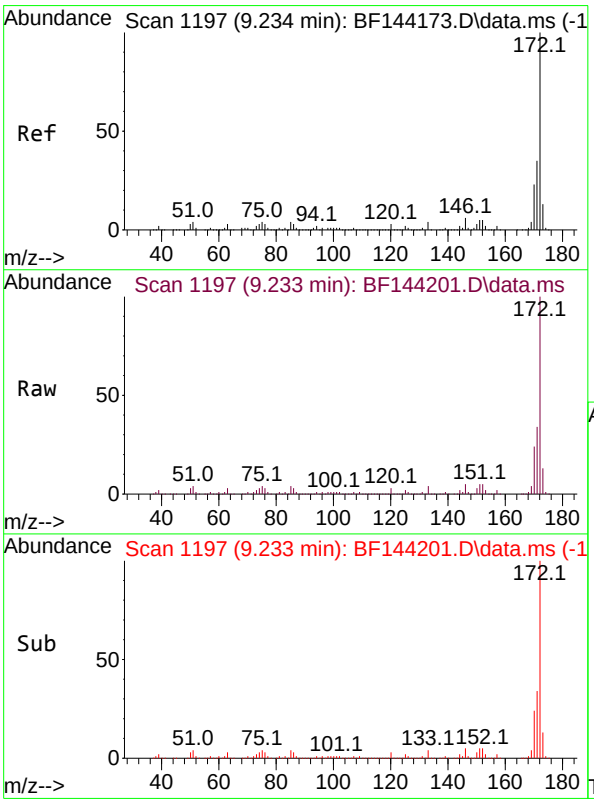

#42
2,4,6-Tribromophenol
Concen: 126.223 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144201.D
Acq: 11 Nov 2025 14:09

**Instrument :**
BNA_F
**ClientSampleId :**
SED-1

Tgt Ion:330 Resp: 210459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.1 | 76.7 | 115.1 |
| 141 | 22.5 | 17.8 | 26.8 |

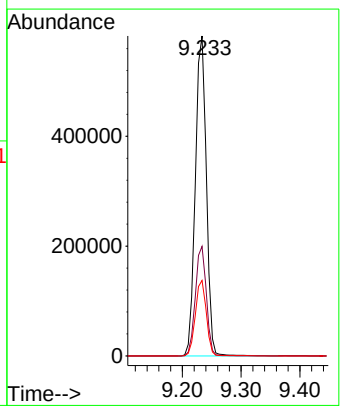


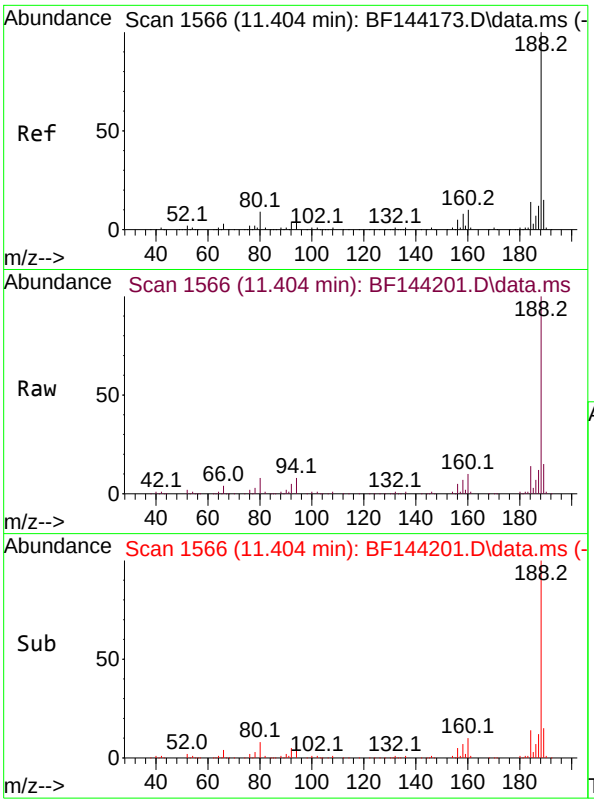




#45
2-Fluorobiphenyl
Concen: 84.261 ng
RT: 9.233 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF144201.D
Acq: 11 Nov 2025 14:09

Tgt Ion:172 Resp: 758037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.2 | 28.1 | 42.1 |
| 170 | 23.6 | 18.6 | 28.0 |



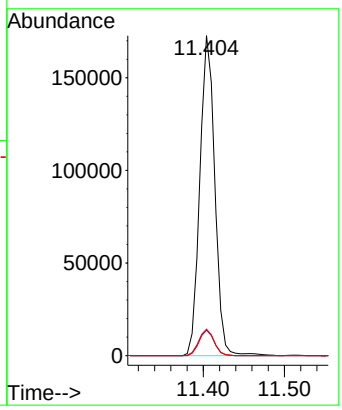


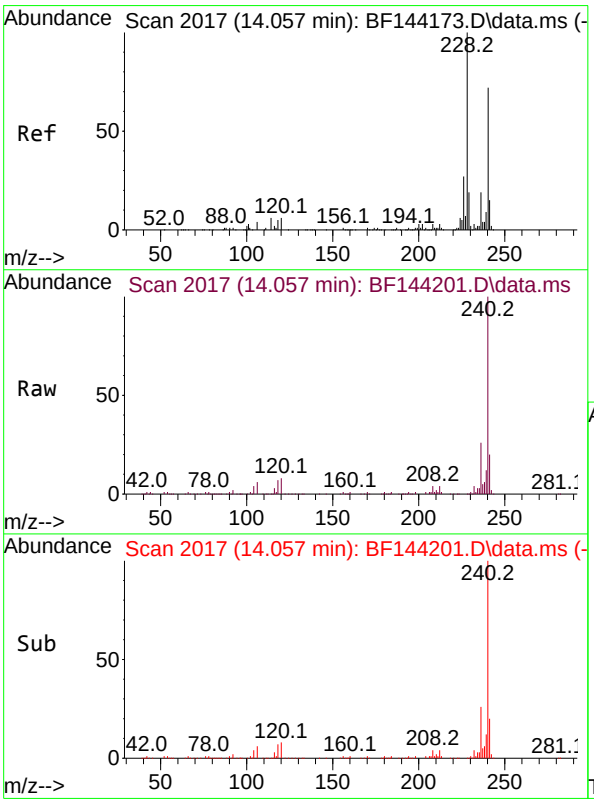

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144201.D
Acq: 11 Nov 2025 14:09

**Instrument :**
BNA_F
**ClientSampleId :**
SED-1

Tgt Ion:188 Resp: 221346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.0 | 6.2 | 9.2 |
| 80 | 8.3 | 6.9 | 10.3 |

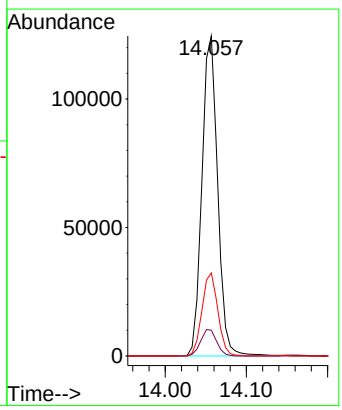


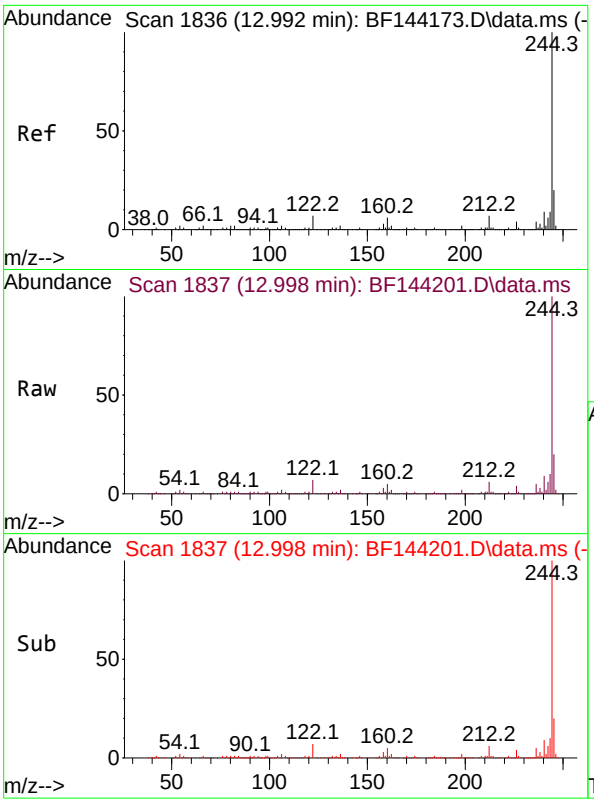




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF144201.D
Acq: 11 Nov 2025 14:09

Tgt Ion:240 Resp: 167727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.0 | 6.6 | 10.0 |
| 236 | 25.9 | 21.4 | 32.2 |



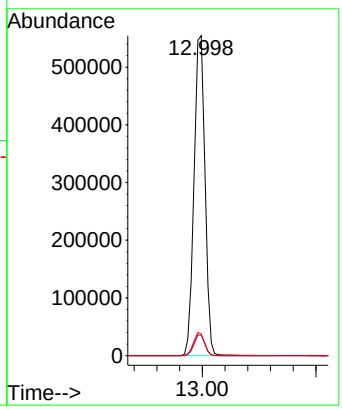


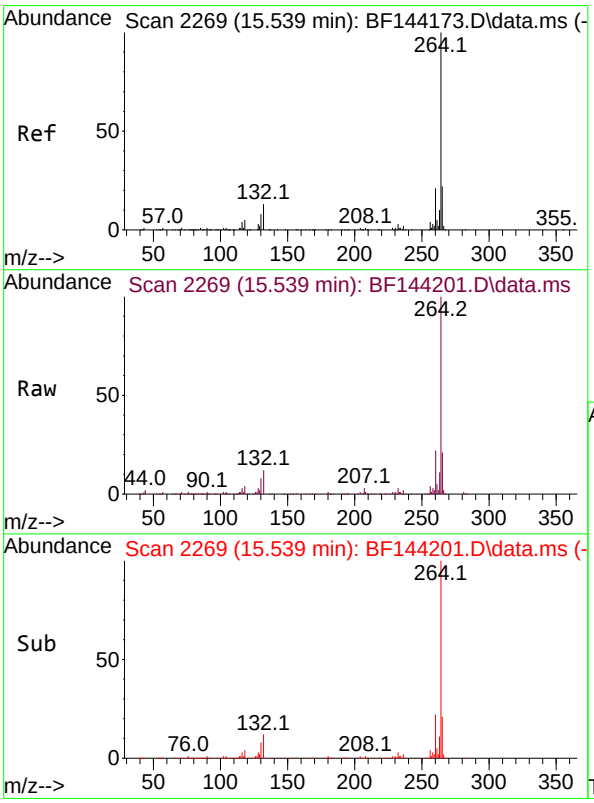

#79
Terphenyl-d14
Concen: 70.254 ng
RT: 12.998 min Scan# 18
Delta R.T. 0.006 min
Lab File: BF144201.D
Acq: 11 Nov 2025 14:09

**Instrument :**
BNA_F
**ClientSampleId :**
SED-1

Tgt Ion:244 Resp: 741841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.5 | 5.3 | 7.9 |
| 122 | 6.7 | 5.6 | 8.4 |

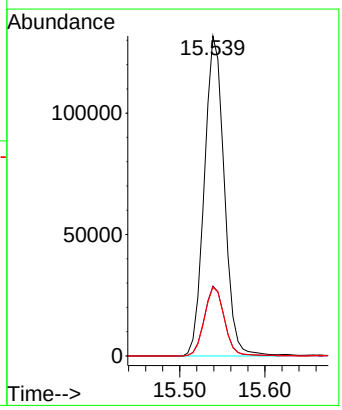



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF144201.D
Acq: 11 Nov 2025 14:09

Tgt Ion:264 Resp: 213949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 21.8 | 17.1 | 25.7 |
| 265 | 21.4 | 17.4 | 26.0 |



Sample Results: **BF144201.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144201.D
Acq On : 11 Nov 2025 14:09
Operator : RC/JU
Sample : Q3586-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SED-1

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144201.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.104 | 491 | 495 | 508 | rVB | 18289 | 30055 | 1.45% | 0.221% |
| 2 | 5.498 | 556 | 562 | 573 | rBV | 1320816 | 1804168 | 86.77% | 13.253% |
| 3 | 6.504 | 727 | 733 | 748 | rBV | 1375412 | 1890063 | 90.90% | 13.884% |
| 4 | 6.875 | 791 | 796 | 801 | rBV | 306814 | 394228 | 18.96% | 2.896% |
| 5 | 7.434 | 885 | 891 | 901 | rBV | 877668 | 1167863 | 56.16% | 8.579% |
| 6 | 7.692 | 930 | 935 | 945 | rVB | 13468 | 22000 | 1.06% | 0.162% |
| 7 | 8.157 | 1008 | 1014 | 1026 | rVB | 378523 | 493100 | 23.71% | 3.622% |
| 8 | 8.375 | 1047 | 1051 | 1059 | rBV2 | 14502 | 22747 | 1.09% | 0.167% |
| 9 | 9.233 | 1191 | 1197 | 1202 | rBV | 1602537 | 2079372 | 100.00% | 15.275% |
| 10 | 9.910 | 1307 | 1312 | 1318 | rBV | 418972 | 542355 | 26.08% | 3.984% |
| 11 | 10.627 | 1429 | 1434 | 1440 | rBV | 139438 | 173087 | 8.32% | 1.271% |
| 12 | 10.704 | 1442 | 1447 | 1463 | rBV | 1048293 | 1364866 | 65.64% | 10.026% |
| 13 | 11.404 | 1561 | 1566 | 1573 | rBV | 407684 | 515985 | 24.81% | 3.790% |
| 14 | 11.927 | 1650 | 1655 | 1670 | rBV2 | 100702 | 176581 | 8.49% | 1.297% |
| 15 | 12.716 | 1784 | 1789 | 1799 | rBV2 | 20252 | 42136 | 2.03% | 0.310% |
| 16 | 12.992 | 1831 | 1836 | 1842 | rBV | 1348239 | 1806935 | 86.90% | 13.274% |
| 17 | 13.898 | 1983 | 1990 | 2005 | rBV | 43443 | 103659 | 4.99% | 0.761% |
| 18 | 14.057 | 2009 | 2017 | 2030 | rVV | 315351 | 432879 | 20.82% | 3.180% |
| 19 | 15.539 | 2263 | 2269 | 2280 | rBV | 316307 | 520143 | 25.01% | 3.821% |
| 20 | 15.998 | 2341 | 2347 | 2354 | rBV4 | 13873 | 30847 | 1.48% | 0.227% |

Sum of corrected areas: 13613069

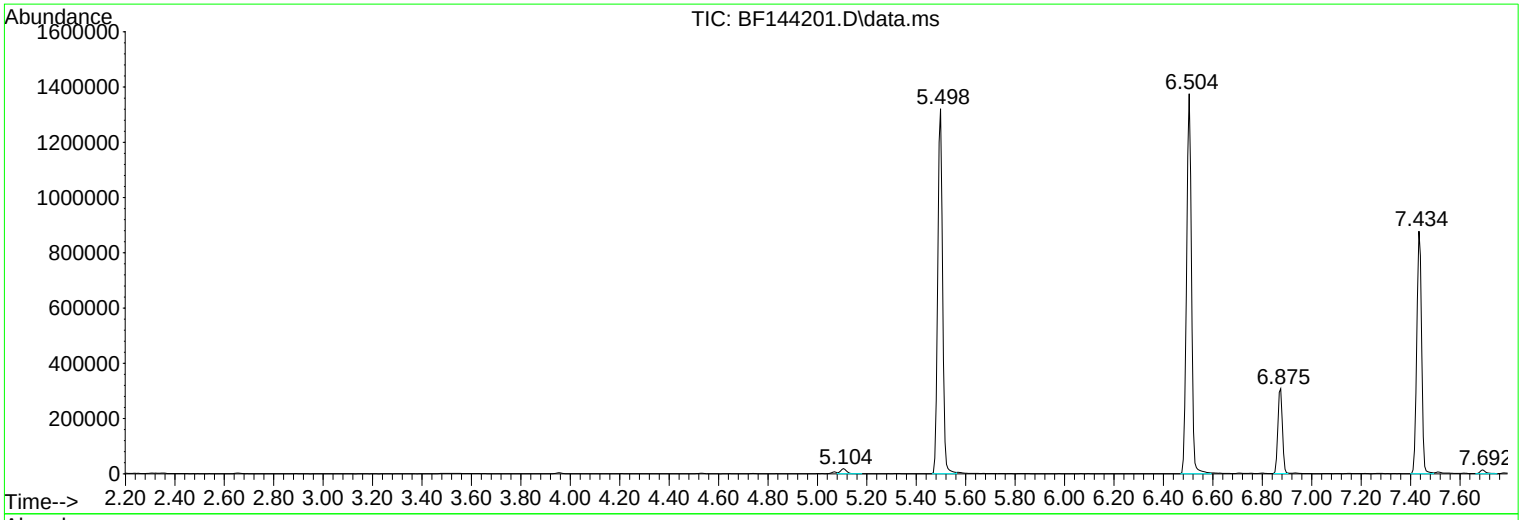
Sample Results: **BF144201.D**

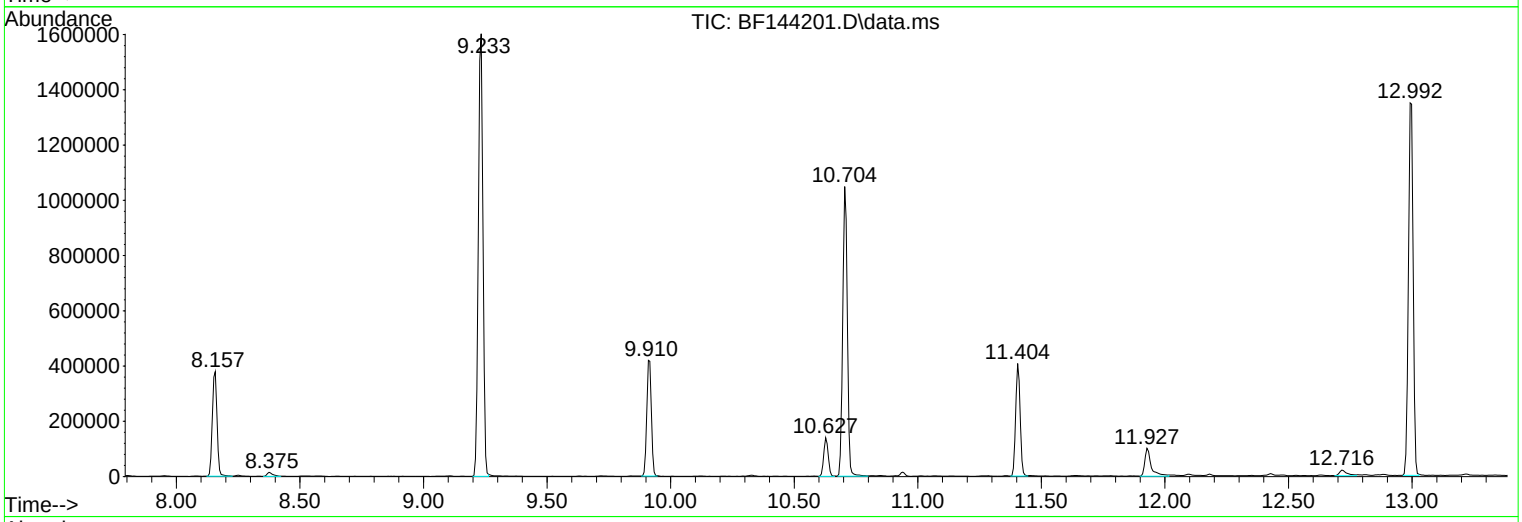
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144201.D
Acq On : 11 Nov 2025 14:09
Operator : RC/JU
Sample : Q3586-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

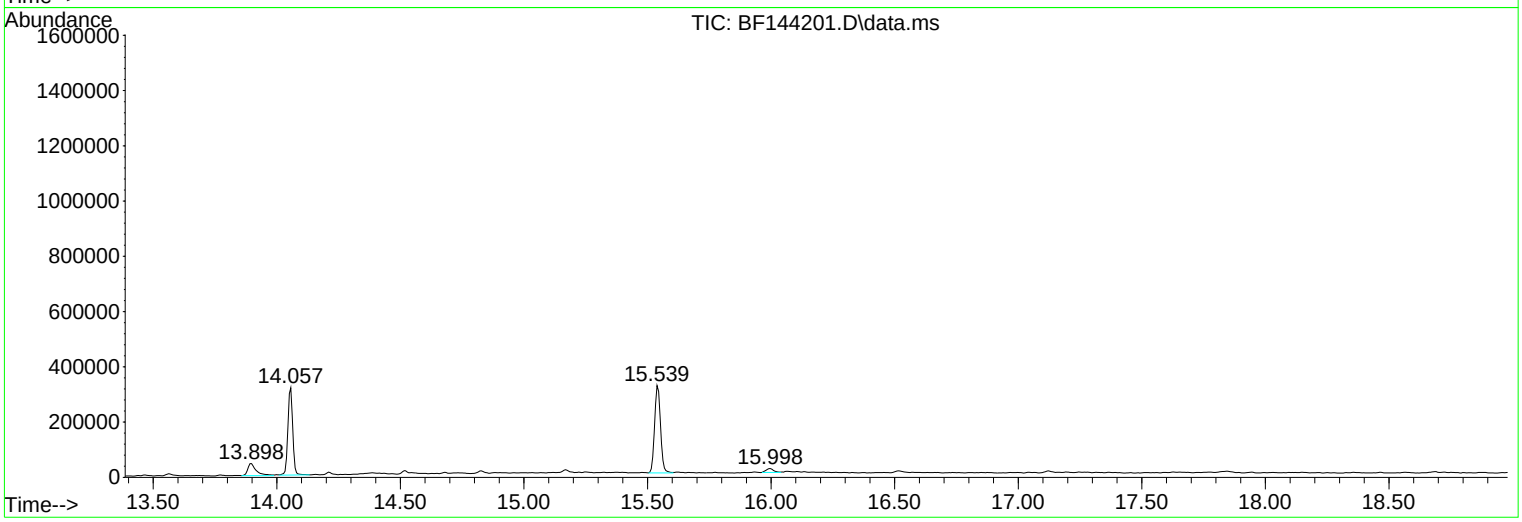
**Instrument :**
BNA_F
**ClientSampleId :**
SED-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144201.D
Acq On : 11 Nov 2025 14:09
Operator : RC/JU
Sample : Q3586-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SED-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

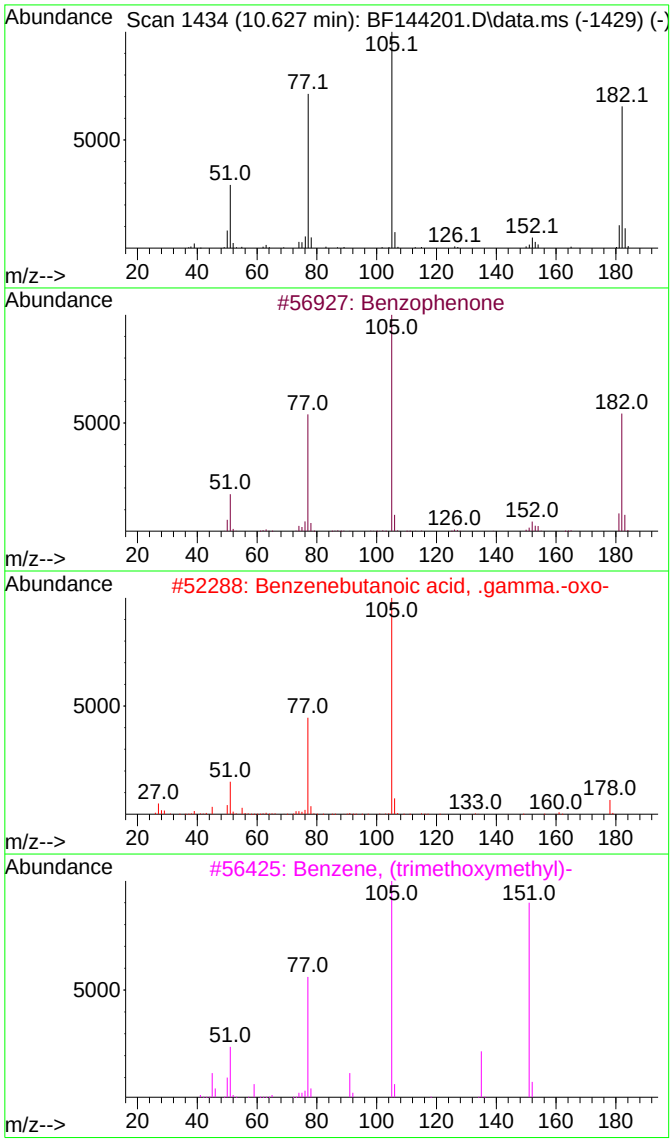
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

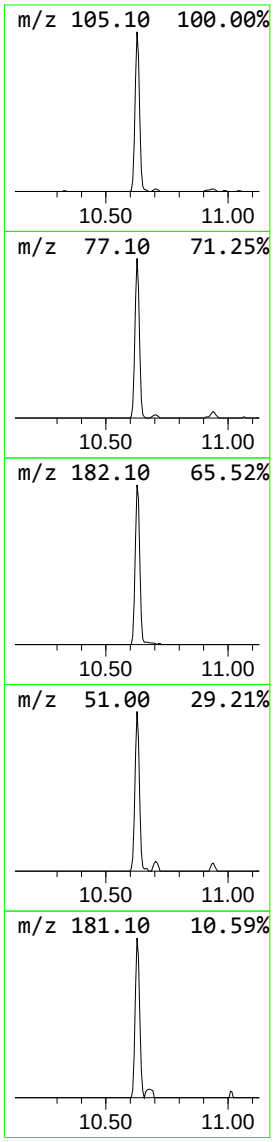
**********

Peak Number 1 Benzophenone Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.628 | 6.38 ng | 173087 | Acenaphthene-d10 | 9.916 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 97 |
| 2 | Benzenebutanoic acid, .gamma.-oxo- | 178 | C10H10O3 | 002051-95-8 | 43 |
| 3 | Benzene, (trimethoxymethyl)- | 182 | C10H14O3 | 000707-07-3 | 43 |
| 4 | Methyl 2-benzoyl-4-cyanobutanoate | 231 | C13H13NO3 | 1010486-83-8 | 43 |
| 5 | Pentafluoroethyl phenyl ketone | 224 | C9H5F5O | 000394-52-5 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144201.D
Acq On : 11 Nov 2025 14:09
Operator : RC/JU
Sample : Q3586-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SED-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

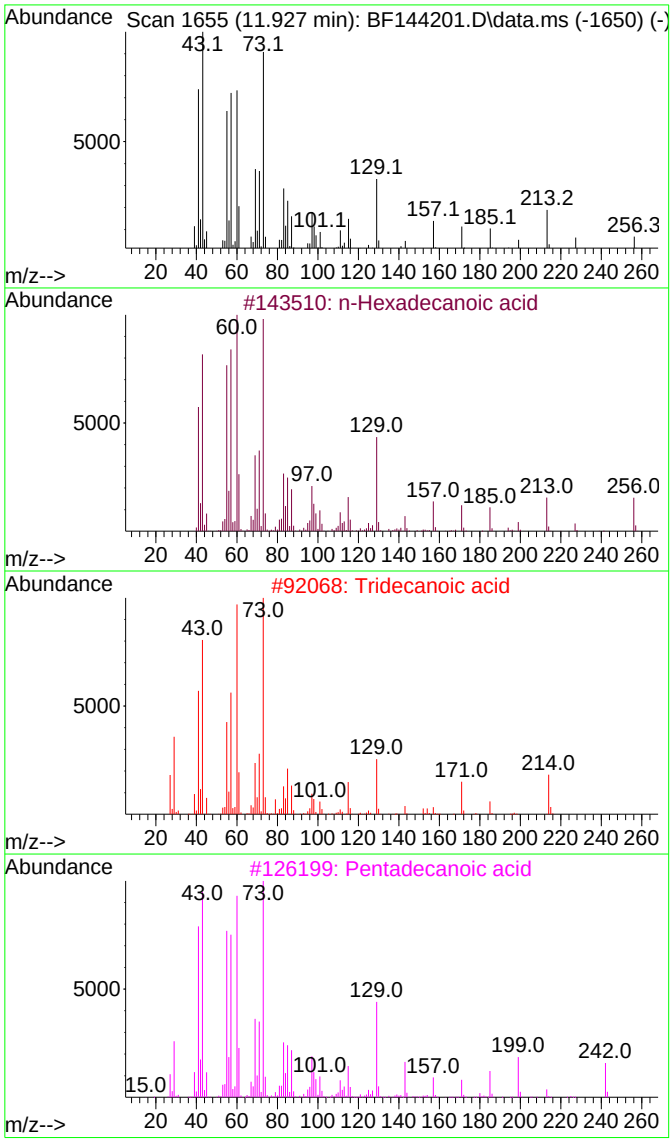
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

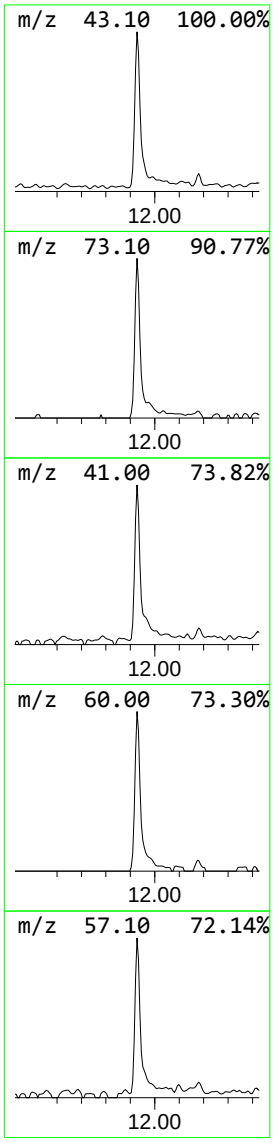
**********

Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.927 | 6.84 ng | 176581 | Phenanthrene-d10 | 11.404 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 95 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 59 |
| 5 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 59 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144201.D
Acq On : 11 Nov 2025 14:09
Operator : RC/JU
Sample : Q3586-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SED-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

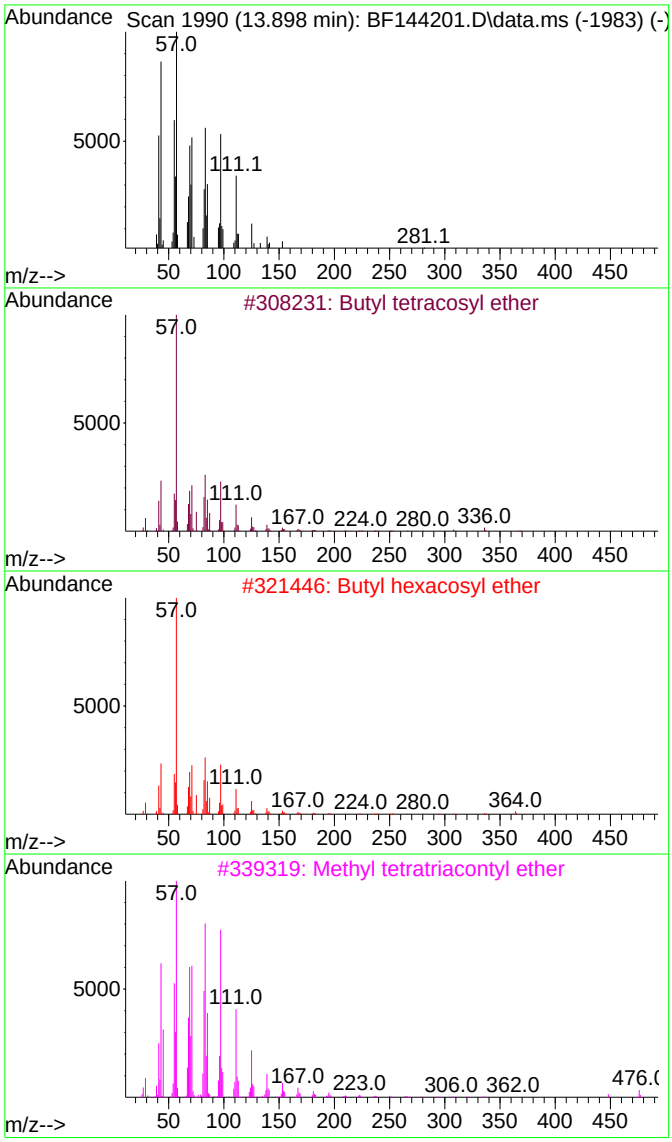
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

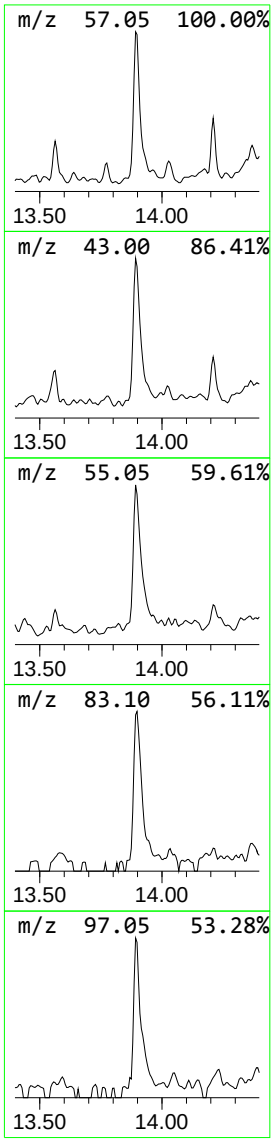
**********

Peak Number 3 Butyl tetracosyl ether Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.898 | 4.79 ng | 103659 | Chrysene-d12 | 14.057 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butyl tetracosyl ether | 410 | C28H58O | 1000406-40-9 | 91 |
| 2 | Butyl hexacosyl ether | 438 | C30H62O | 1000406-41-0 | 91 |
| 3 | Methyl tetratriacontyl ether | 509 | C35H72O | 1000406-30-1 | 91 |
| 4 | 1-Hexadecanesulfonyl chloride | 324 | C16H33ClO2S | 038775-38-1 | 91 |
| 5 | Octacosyl trifluoroacetate | 506 | C30H57F3O2 | 1000351-74-9 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144201.D
Acq On : 11 Nov 2025 14:09
Operator : RC/JU
Sample : Q3586-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SED-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.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 |
| Benzophenone | 10.628 | 6.4 | ng | 173087 | 3 | 9.916 | 542355 | 20.0 |
| n-Hexadecanoic ... | 11.927 | 6.8 | ng | 176581 | 4 | 11.404 | 515985 | 20.0 |
| Butyl tetracosy... | 13.898 | 4.8 | ng | 103659 | 5 | 14.057 | 432879 | 20.0 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026098.D
Acq On : 11 Nov 2025 20:18
Operator : RC/JU
Sample : Q3586-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SED-2

Quant Time: Nov 12 01:47:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

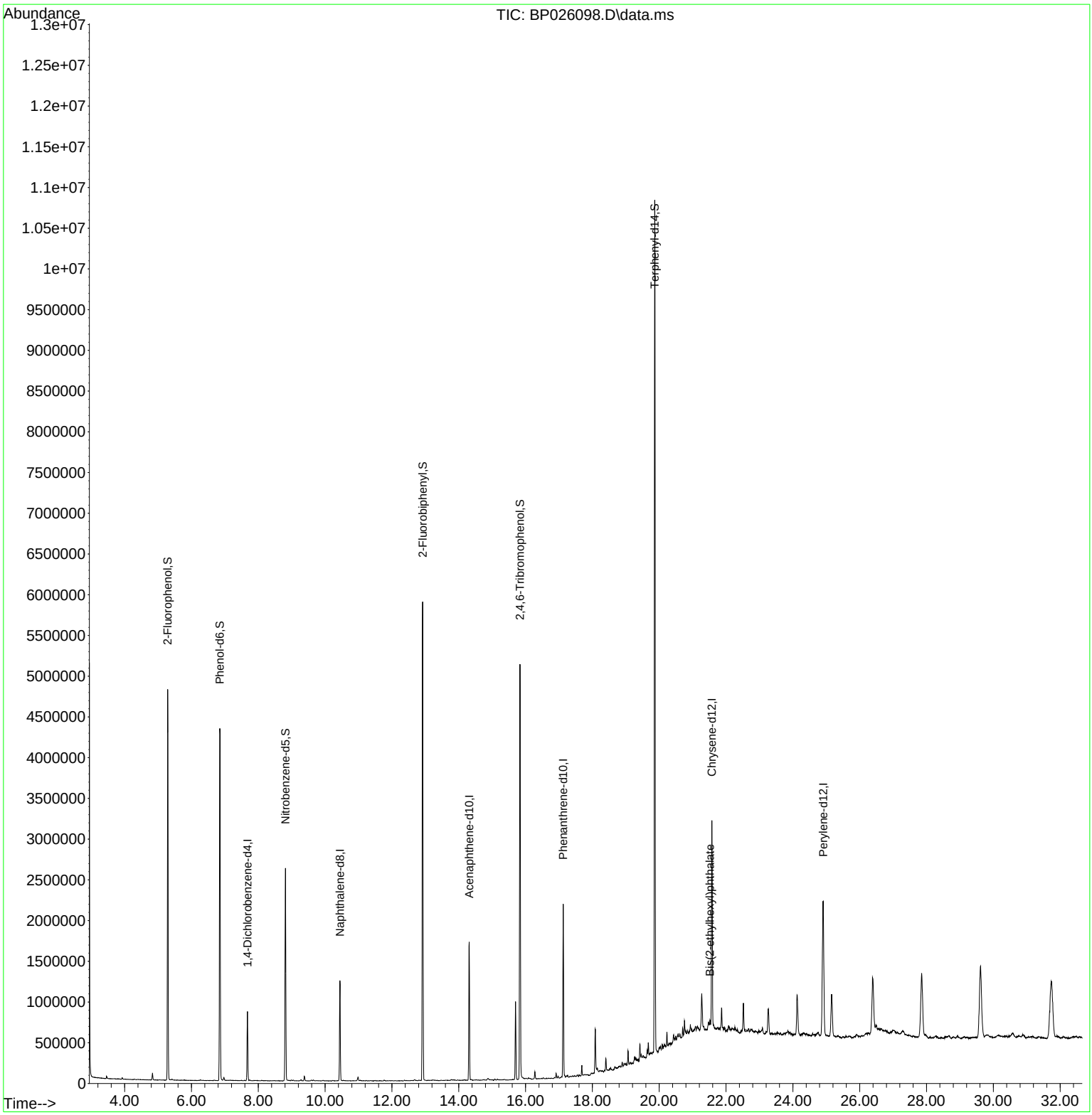
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.678 | 152 | 249884 | 20.000 | ng | -0.01 |
| 21) Naphthalene-d8 | 10.443 | 136 | 984033 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 14.313 | 164 | 622887 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.125 | 188 | 1353624 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.577 | 240 | 1635330 | 20.000 | ng | 0.01 |
| 86) Perylene-d12 | 24.907 | 264 | 1941015 | 20.000 | ng | 0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.290 | 112 | 2077906 | 137.214 | ng | 0.00 |
| 7) Phenol-d6 | 6.849 | 99 | 2598995 | 134.839 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.813 | 82 | 1442241 | 91.368 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.831 | 330 | 1120470 | 166.390 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 12.919 | 172 | 3428382 | 79.089 | ng | -0.01 |
| 79) Terphenyl-d14 | 19.866 | 244 | 6074059 | 75.462 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 84) Bis(2-ethylhexyl)phtha... | 21.519 | 149 | 51211 | 3.332 | ng | # 95 |

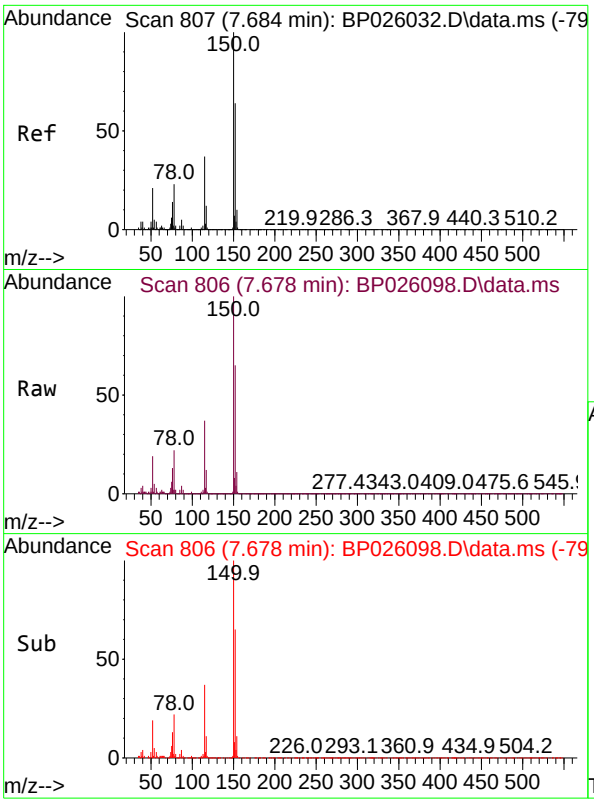
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026098.D
Acq On : 11 Nov 2025 20:18
Operator : RC/JU
Sample : Q3586-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SED-2

Quant Time: Nov 12 01:47:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration



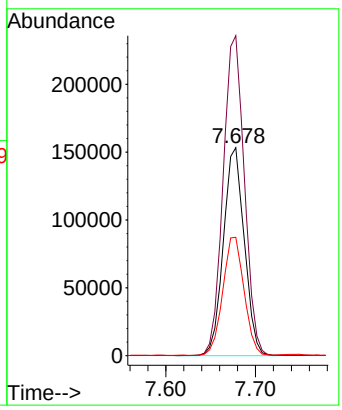


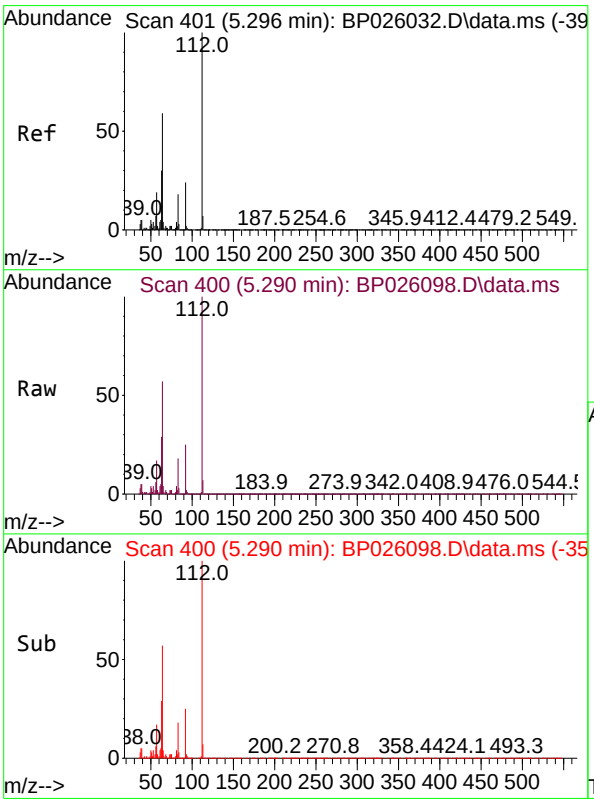

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.678 min Scan# 80
Delta R.T. -0.012 min
Lab File: BP026098.D
Acq: 11 Nov 2025 20:18

**Instrument :**
BNA_P
**ClientSampleId :**
SED-2

Tgt Ion:152 Resp: 249884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.9 | 125.7 | 188.5 |
| 115 | 56.9 | 46.4 | 69.6 |

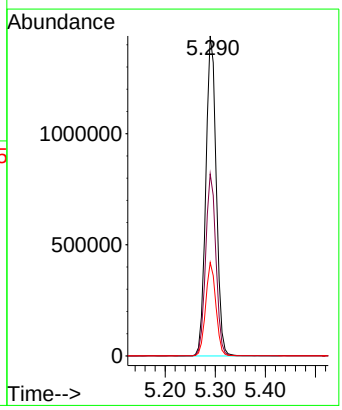


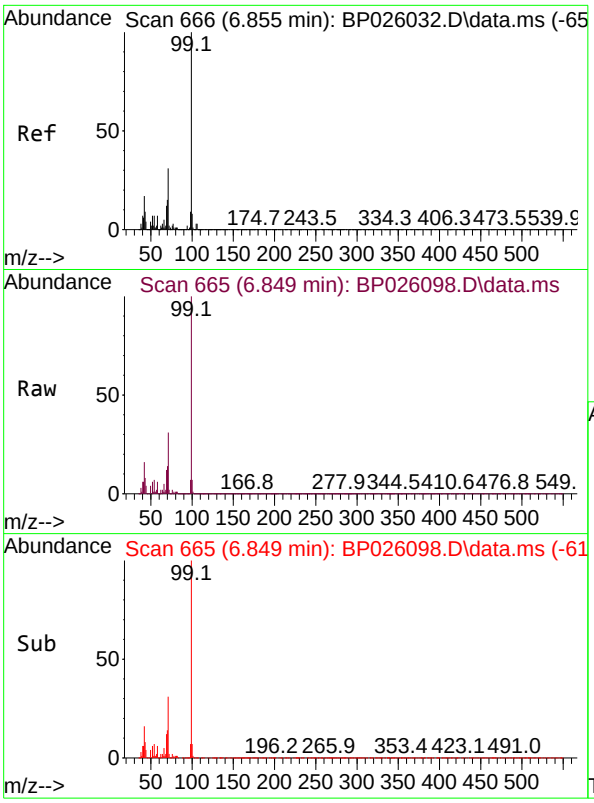




#5
2-Fluorophenol
Concen: 137.214 ng
RT: 5.290 min Scan# 400
Delta R.T. -0.006 min
Lab File: BP026098.D
Acq: 11 Nov 2025 20:18

Tgt Ion:112 Resp: 2077906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.9 | 47.4 | 71.2 |
| 63 | 29.2 | 24.2 | 36.4 |



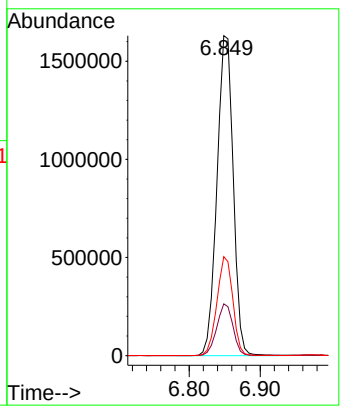


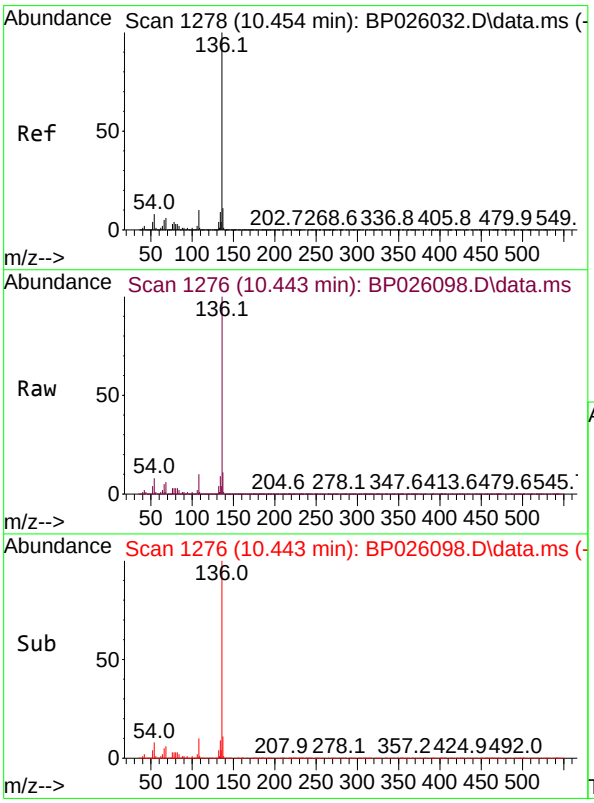

#7
Phenol-d6
Concen: 134.839 ng
RT: 6.849 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP026098.D
Acq: 11 Nov 2025 20:18

**Instrument :**
BNA_P
**ClientSampleId :**
SED-2

Tgt Ion: 99 Resp: 2598995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.2 | 13.7 | 20.5 |
| 71 | 30.9 | 24.4 | 36.6 |

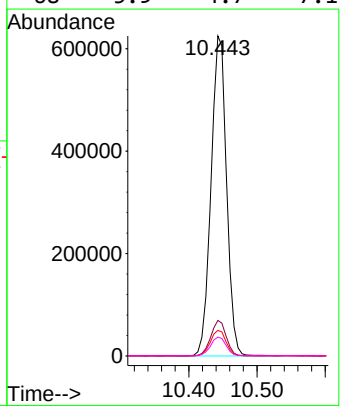


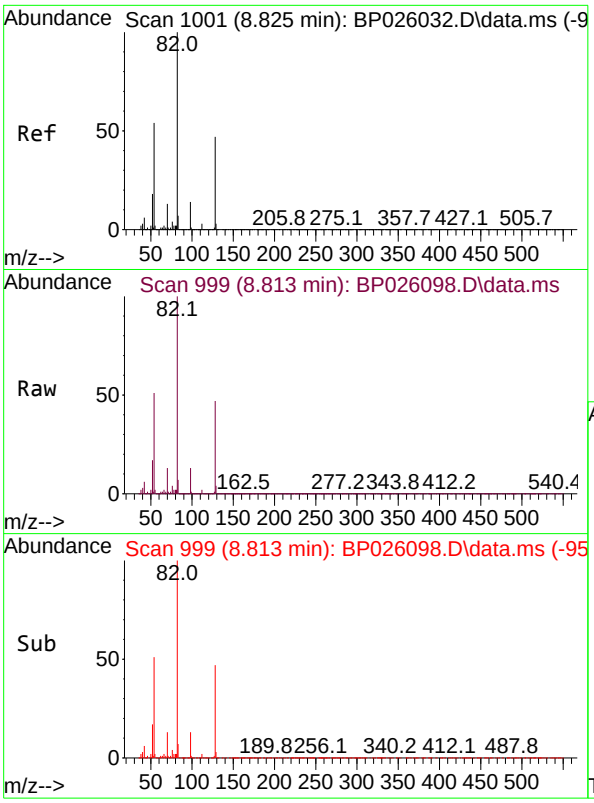




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.443 min Scan# 1276
Delta R.T. -0.011 min
Lab File: BP026098.D
Acq: 11 Nov 2025 20:18

Tgt Ion:136 Resp: 984033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.8 | 13.2 |
| 54 | 8.0 | 6.6 | 10.0 |
| 68 | 5.9 | 4.7 | 7.1 |



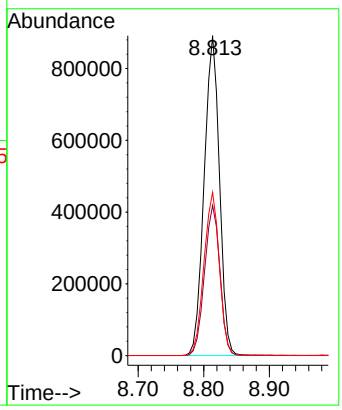


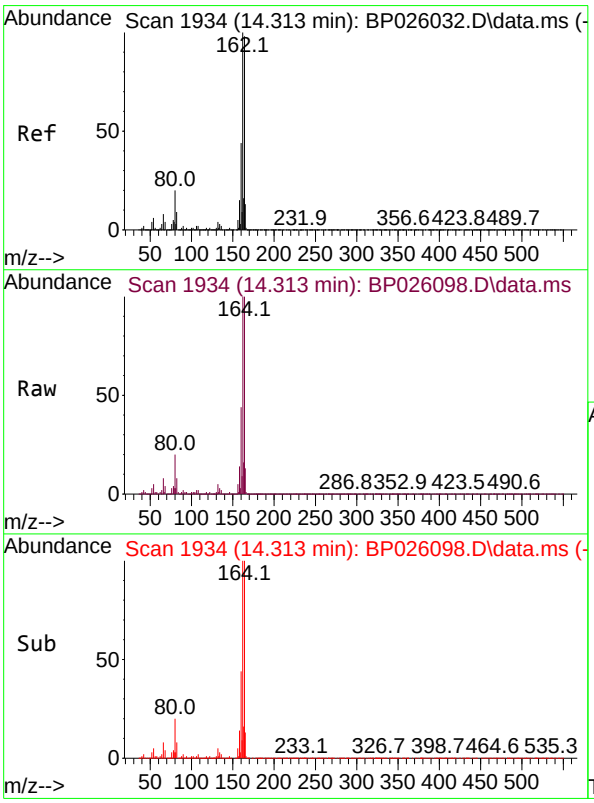

#23
Nitrobenzene-d5
Concen: 91.368 ng
RT: 8.813 min Scan# 99
Delta R.T. -0.012 min
Lab File: BP026098.D
Acq: 11 Nov 2025 20:18

**Instrument :**
BNA_P
**ClientSampleId :**
SED-2

Tgt Ion: 82 Resp: 1442241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.9 | 37.4 | 56.0 |
| 54 | 51.0 | 42.7 | 64.1 |

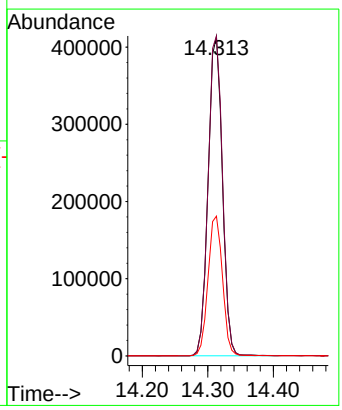


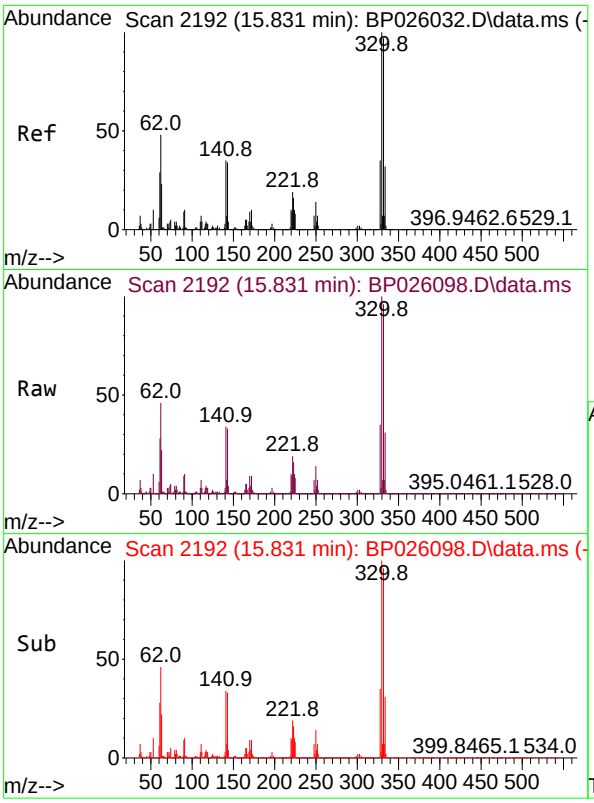




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.313 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BP026098.D
Acq: 11 Nov 2025 20:18

Tgt Ion:164 Resp: 622887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.3 | 81.5 | 122.3 |
| 160 | 43.8 | 36.2 | 54.4 |



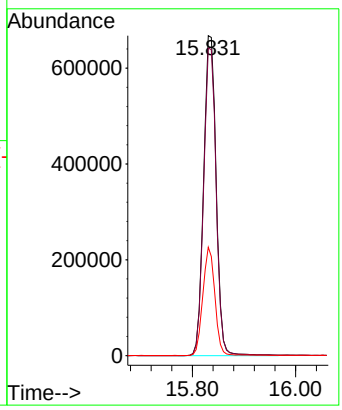


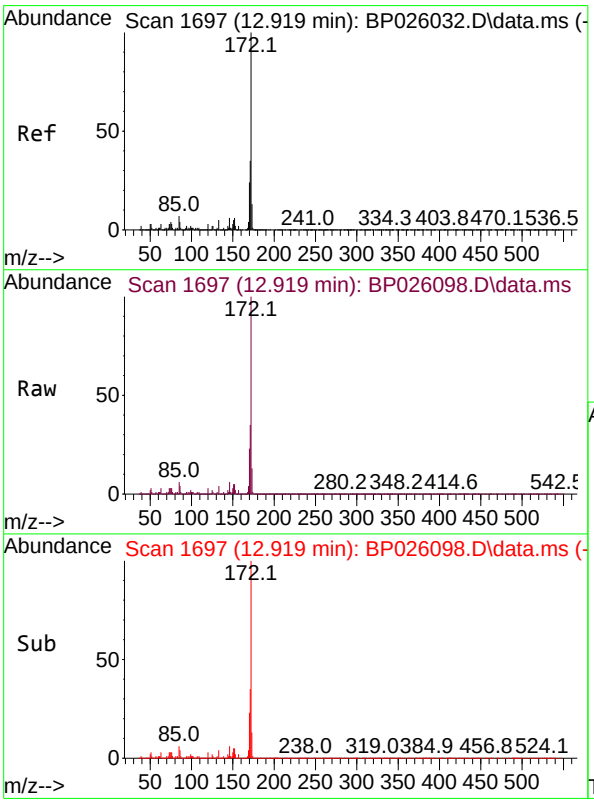

#42
2,4,6-Tribromophenol
Concen: 166.390 ng
RT: 15.831 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP026098.D
Acq: 11 Nov 2025 20:18

**Instrument :**
BNA_P
**ClientSampleId :**
SED-2

Tgt Ion:330 Resp: 1120470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.9 | 77.3 | 115.9 |
| 141 | 32.8 | 28.6 | 42.8 |

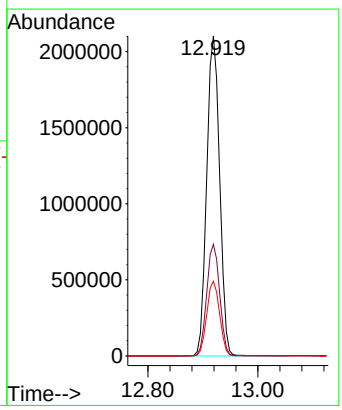


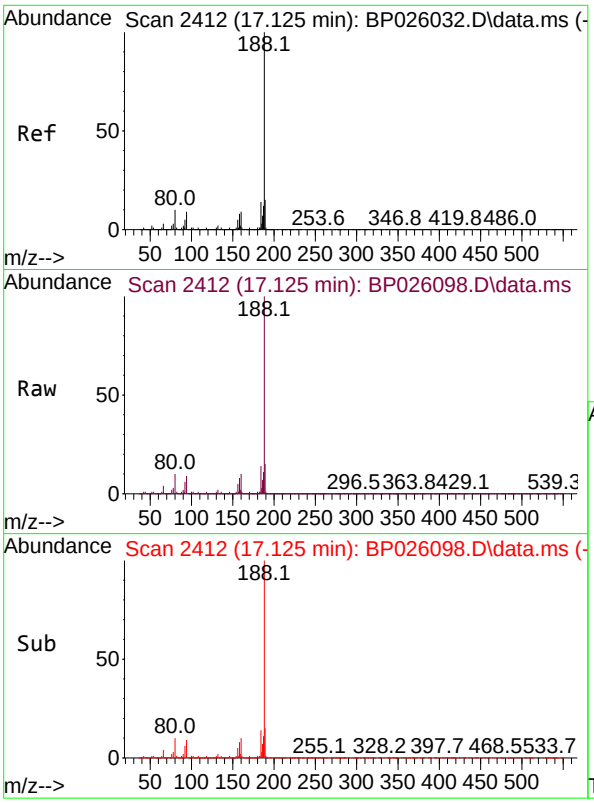




#45
2-Fluorobiphenyl
Concen: 79.089 ng
RT: 12.919 min Scan# 1697
Delta R.T. -0.012 min
Lab File: BP026098.D
Acq: 11 Nov 2025 20:18

Tgt Ion:172 Resp: 3428382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.9 | 27.9 | 41.9 |
| 170 | 23.3 | 19.0 | 28.4 |



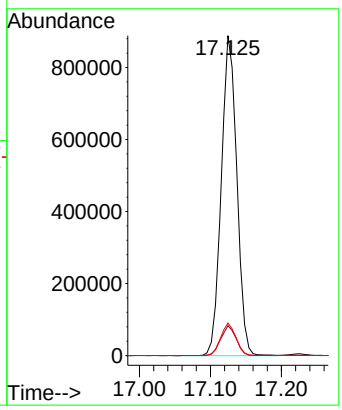


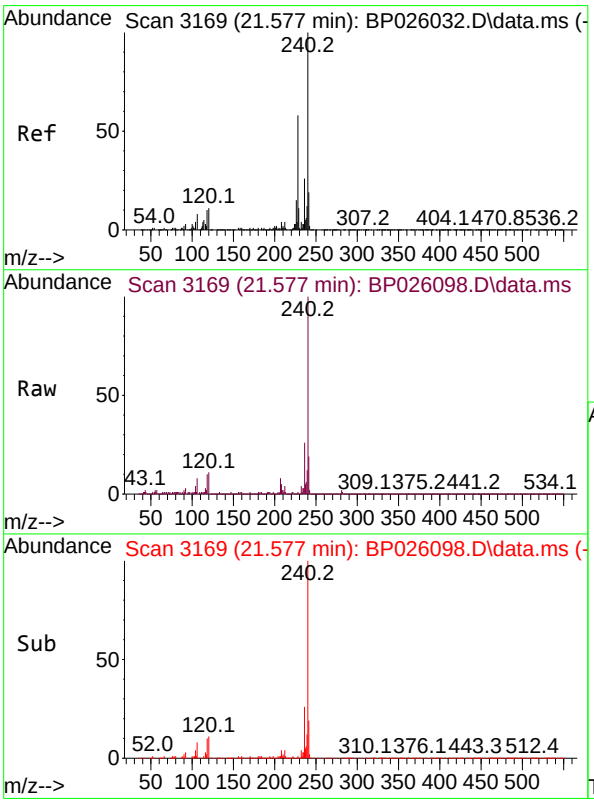

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP026098.D
Acq: 11 Nov 2025 20:18

**Instrument :**
BNA_P
**ClientSampleId :**
SED-2

Tgt Ion:188 Resp: 1353624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.4 | 7.1 | 10.7 |
| 80 | 10.2 | 7.9 | 11.9 |

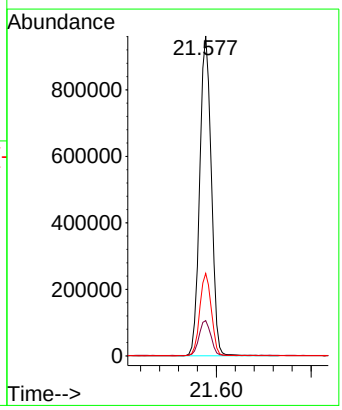


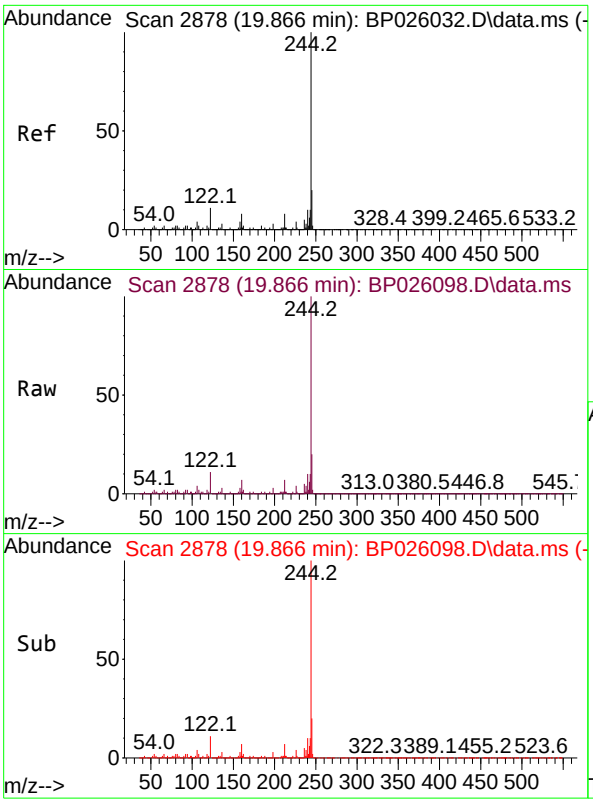




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 3169
Delta R.T. 0.012 min
Lab File: BP026098.D
Acq: 11 Nov 2025 20:18

Tgt Ion:240 Resp: 1635330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.1 | 8.9 | 13.3 |
| 236 | 25.8 | 20.6 | 31.0 |



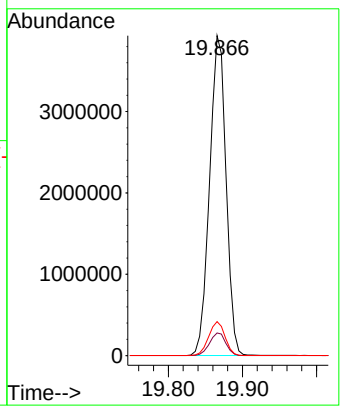


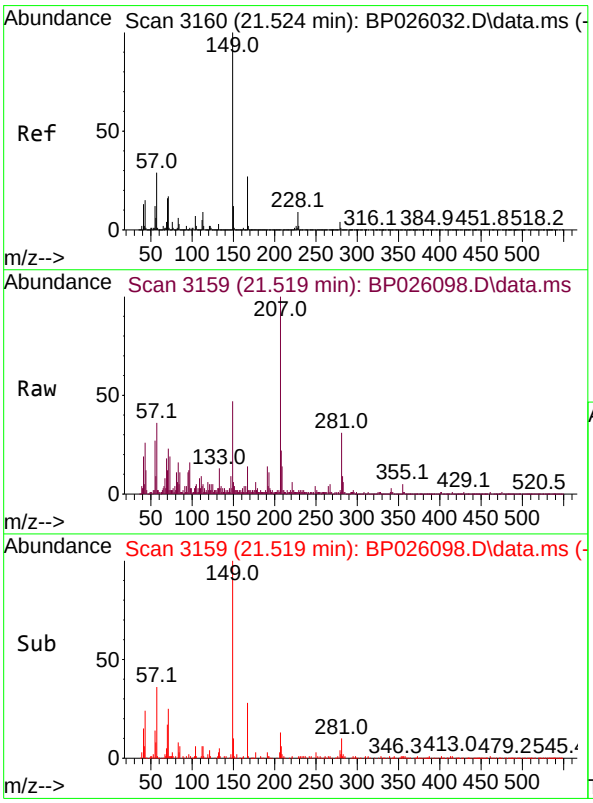

#79
Terphenyl-d14
Concen: 75.462 ng
RT: 19.866 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP026098.D
Acq: 11 Nov 2025 20:18

**Instrument :**
BNA_P
**ClientSampleId :**
SED-2

Tgt Ion:244 Resp: 6074059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 6.0 | 9.0 |
| 122 | 10.6 | 9.0 | 13.6 |

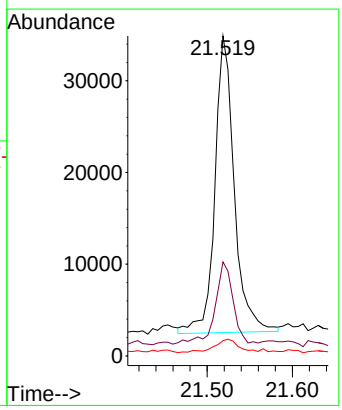


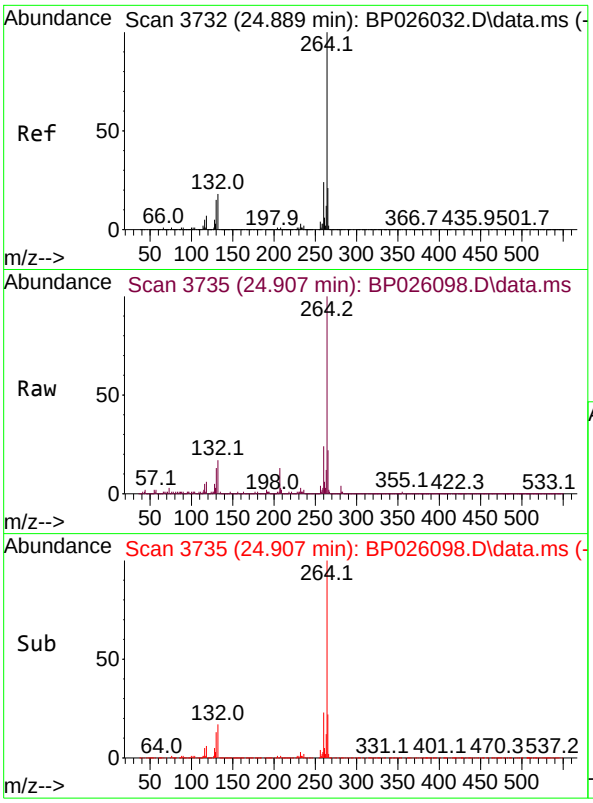




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.332 ng
RT: 21.519 min Scan# 3159
Delta R.T. 0.001 min
Lab File: BP026098.D
Acq: 11 Nov 2025 20:18

Tgt Ion:149 Resp: 51211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 29.4 | 21.5 | 32.3 |
| 279 | 4.7 | 3.0 | 4.6# |



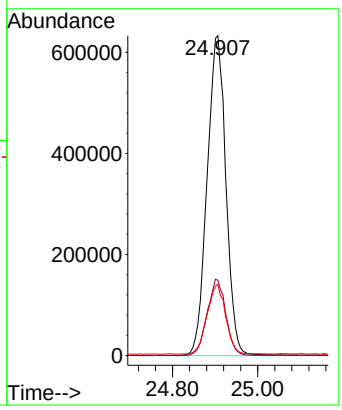



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.907 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP026098.D
Acq: 11 Nov 2025 20:18

**Instrument :**
BNA_P
**ClientSampleId :**
SED-2

Tgt Ion:264 Resp: 1941015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 19.1 | 28.7 |
| 265 | 22.3 | 17.2 | 25.8 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026098.D
Acq On : 11 Nov 2025 20:18
Operator : RC/JU
Sample : Q3586-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SED-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-BP102925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP026098.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.290 | 393 | 400 | 410 | rBV | 4796267 | 6856935 | 42.21% | 7.983% |
| 2 | 6.849 | 658 | 665 | 679 | rBV | 4321683 | 7007609 | 43.14% | 8.159% |
| 3 | 7.678 | 797 | 806 | 813 | rBV | 849971 | 1406428 | 8.66% | 1.637% |
| 4 | 8.813 | 990 | 999 | 1008 | rBV | 2609290 | 4273459 | 26.31% | 4.976% |
| 5 | 10.443 | 1267 | 1276 | 1284 | rBV | 1230486 | 1956144 | 12.04% | 2.278% |
| 6 | 12.919 | 1690 | 1697 | 1709 | rBV | 5877386 | 9569728 | 58.92% | 11.142% |
| 7 | 14.313 | 1927 | 1934 | 1940 | rBV | 1697096 | 2601192 | 16.01% | 3.029% |
| 8 | 15.701 | 2163 | 2170 | 2181 | rVB | 956790 | 1468175 | 9.04% | 1.709% |
| 9 | 15.831 | 2185 | 2192 | 2213 | rVV | 5092733 | 8390870 | 51.66% | 9.769% |
| 10 | 17.125 | 2406 | 2412 | 2419 | rBV2 | 2123496 | 3265517 | 20.10% | 3.802% |
| 11 | 18.083 | 2570 | 2575 | 2583 | rBV | 544202 | 990709 | 6.10% | 1.153% |
| 12 | 18.401 | 2625 | 2629 | 2636 | rBV | 151926 | 238261 | 1.47% | 0.277% |
| 13 | 19.066 | 2738 | 2742 | 2748 | rBV | 176701 | 250243 | 1.54% | 0.291% |
| 14 | 19.419 | 2799 | 2802 | 2806 | rBV | 205752 | 301730 | 1.86% | 0.351% |
| 15 | 19.866 | 2871 | 2878 | 2890 | rBV | 10467613 | 16242942 | 100.00% | 18.912% |
| 16 | 20.230 | 2937 | 2940 | 2945 | rVB2 | 173448 | 190846 | 1.17% | 0.222% |
| 17 | 20.754 | 3027 | 3029 | 3035 | rVB3 | 144089 | 166873 | 1.03% | 0.194% |
| 18 | 21.271 | 3113 | 3117 | 3124 | rVB3 | 399869 | 726774 | 4.47% | 0.846% |
| 19 | 21.577 | 3163 | 3169 | 3176 | rVB2 | 2512412 | 4255300 | 26.20% | 4.954% |
| 20 | 21.866 | 3216 | 3218 | 3223 | rVB | 244304 | 293203 | 1.81% | 0.341% |
| 21 | 22.518 | 3325 | 3329 | 3335 | rVB | 336048 | 541814 | 3.34% | 0.631% |
| 22 | 23.265 | 3451 | 3456 | 3465 | rVB2 | 313434 | 734319 | 4.52% | 0.855% |
| 23 | 24.124 | 3598 | 3602 | 3617 | rVB | 499847 | 1256497 | 7.74% | 1.463% |
| 24 | 24.907 | 3726 | 3735 | 3748 | rVB | 1646247 | 4991709 | 30.73% | 5.812% |
| 25 | 25.160 | 3772 | 3778 | 3789 | rVB | 513148 | 1424421 | 8.77% | 1.658% |
| 26 | 26.383 | 3982 | 3986 | 4000 | rVB2 | 618676 | 1910737 | 11.76% | 2.225% |
| 27 | 29.618 | 4525 | 4536 | 4554 | rVB | 871491 | 3824469 | 23.55% | 4.453% |
| 28 | 31.730 | 4888 | 4895 | 4896 | rBV | 371021 | 752100 | 4.63% | 0.876% |

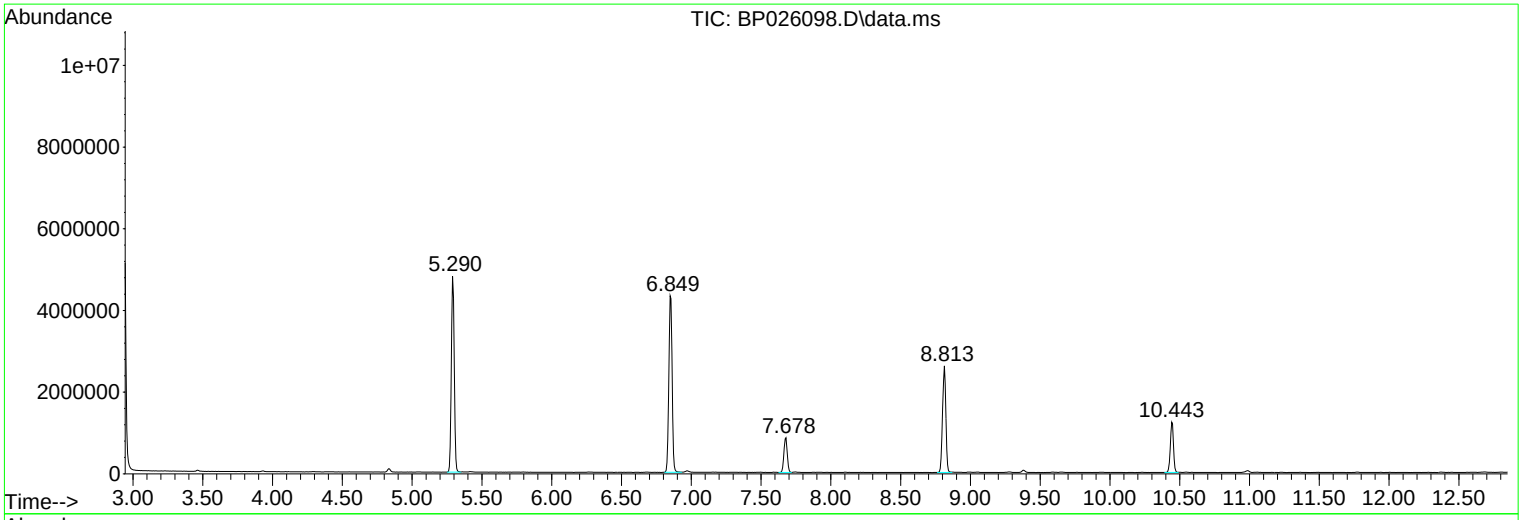
Sum of corrected areas: 85889004

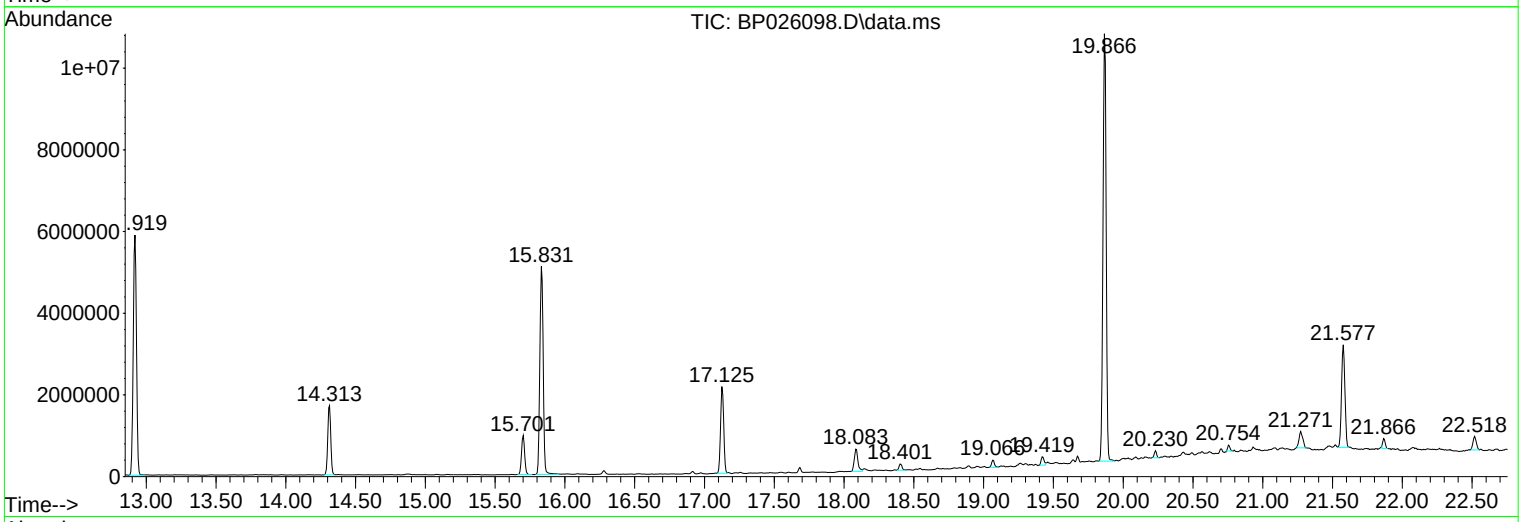
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026098.D
Acq On : 11 Nov 2025 20:18
Operator : RC/JU
Sample : Q3586-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

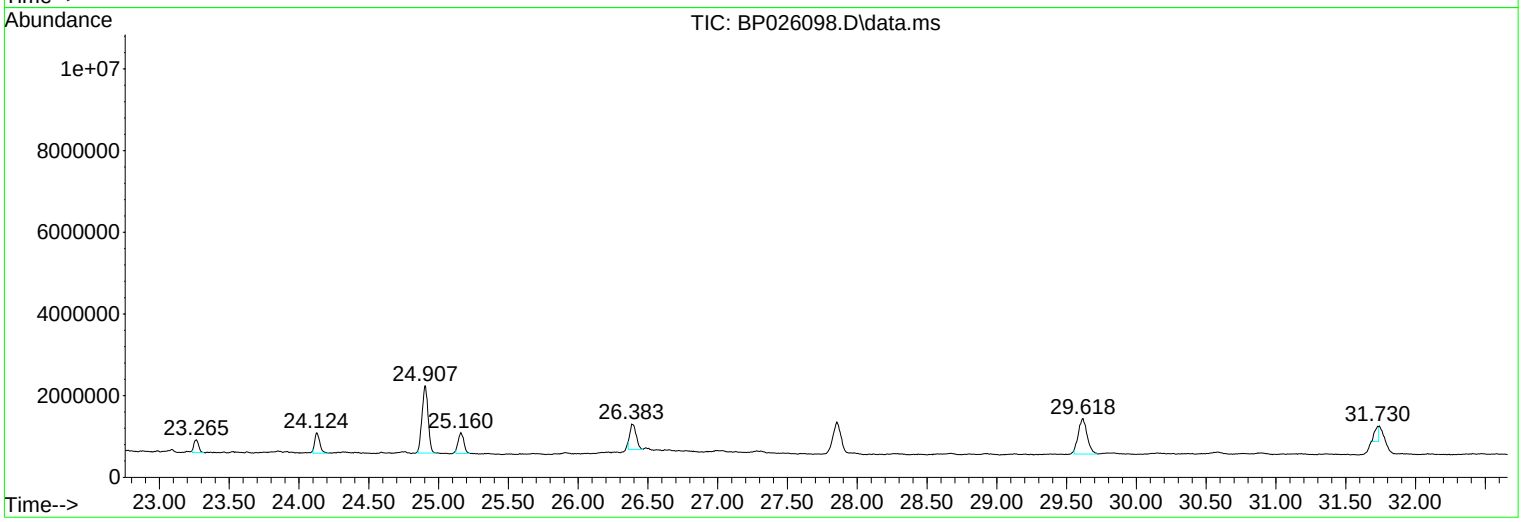
**Instrument :**
BNA_P
**ClientSampleId :**
SED-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.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\BP111125\
Data File : BP026098.D
Acq On : 11 Nov 2025 20:18
Operator : RC/JU
Sample : Q3586-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SED-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

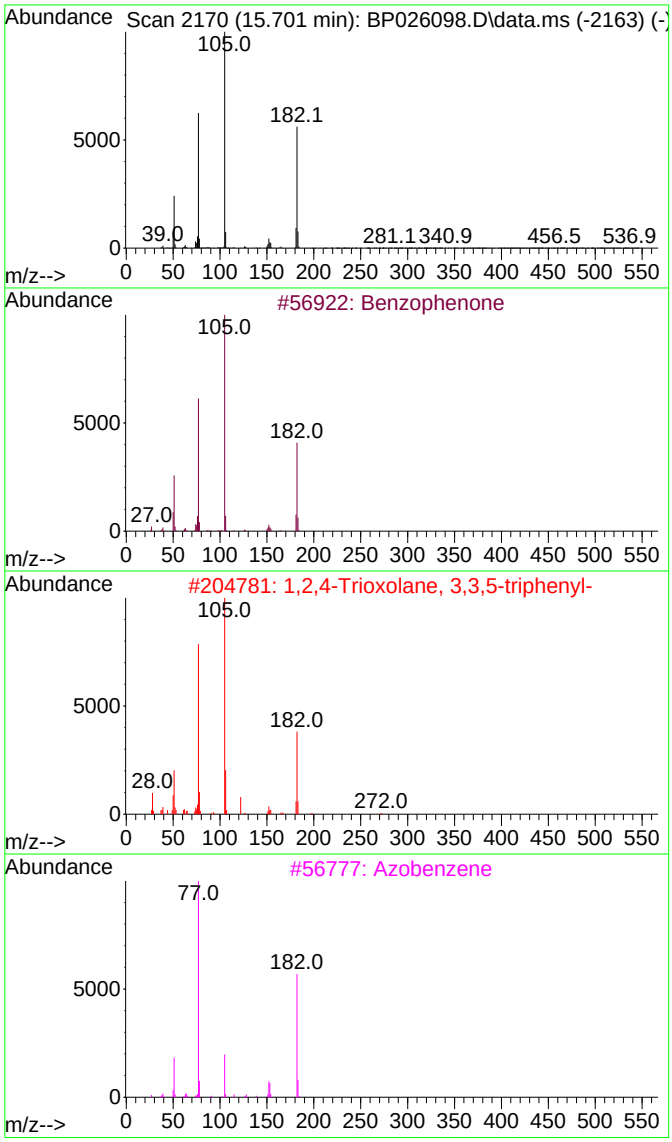
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TIC Integration Parameters: LSCINT.P

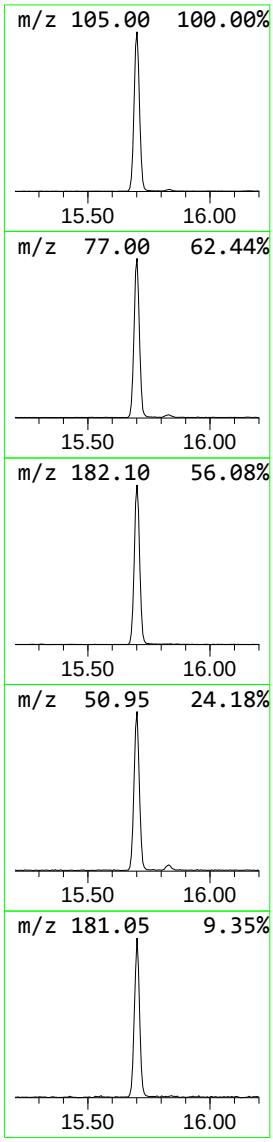
**********

Peak Number 1 Benzophenone Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.701 | 11.29 ng | 1468180 | Acenaphthene-d10 | 14.313 |

| 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 | 64 |
| 3 | Azobenzene | 182 | C12H10N2 | 000103-33-3 | 59 |
| 4 | Methanone, phenyl-2-pyridinyl- | 183 | C12H9NO | 000091-02-1 | 45 |
| 5 | Benzenamine, N-(3-pyridinylmethy... | 182 | C12H10N2 | 029722-97-2 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026098.D
Acq On : 11 Nov 2025 20:18
Operator : RC/JU
Sample : Q3586-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SED-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

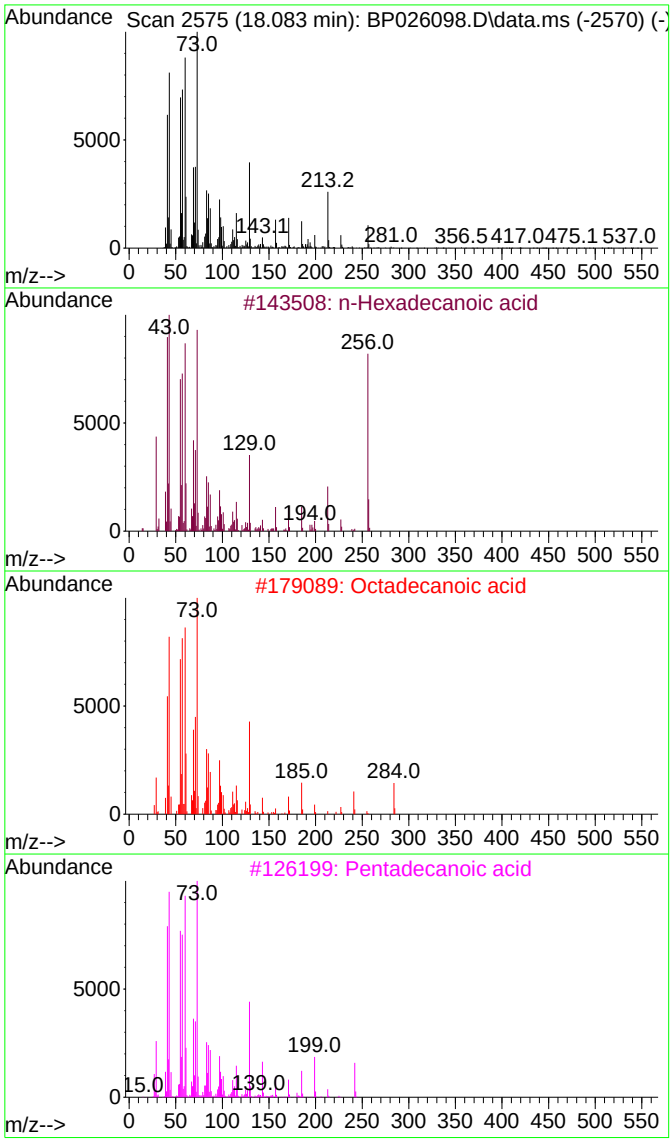
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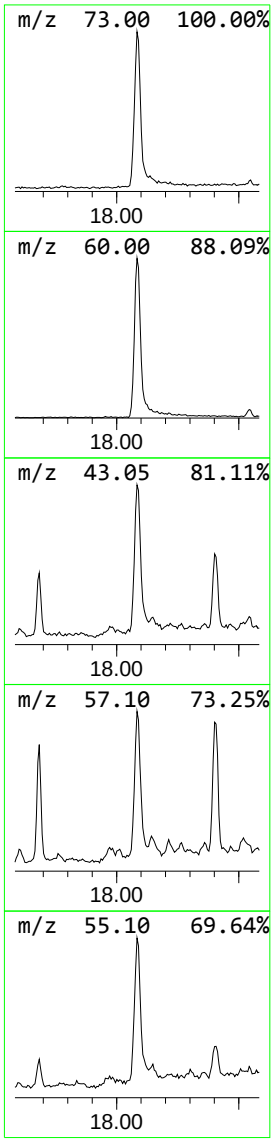
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Peak Number 2 n-Hexadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.083 | 6.07 ng | 990709 | Phenanthrene-d10 | 17.125 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 93 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 90 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 90 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026098.D
Acq On : 11 Nov 2025 20:18
Operator : RC/JU
Sample : Q3586-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SED-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

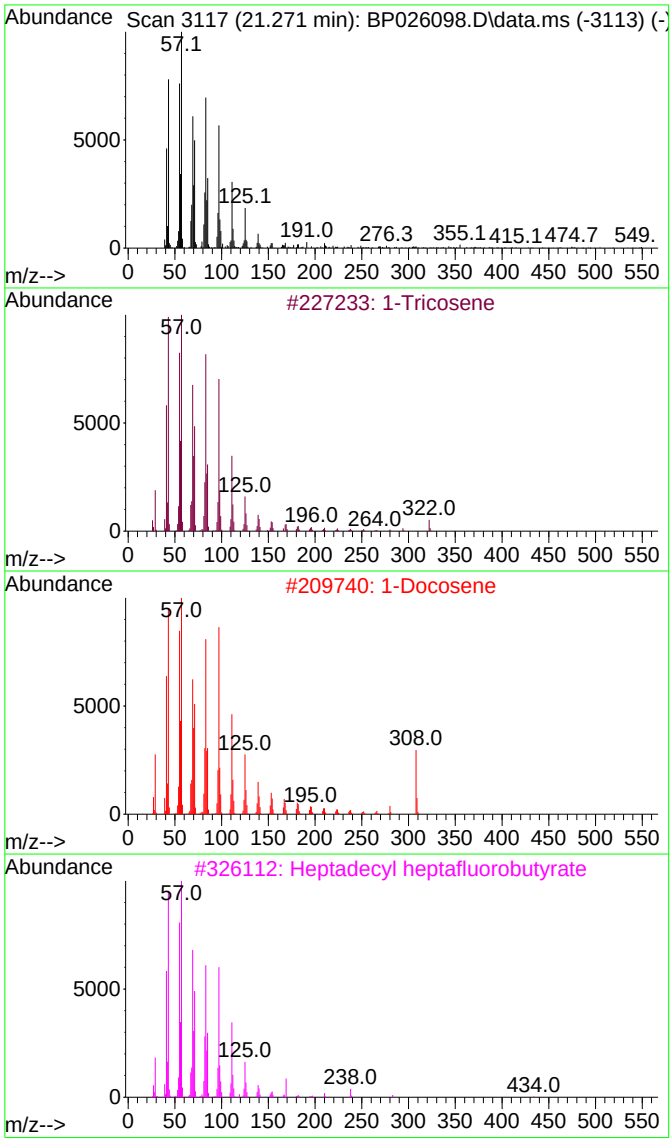
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TIC Integration Parameters: LSCINT.P

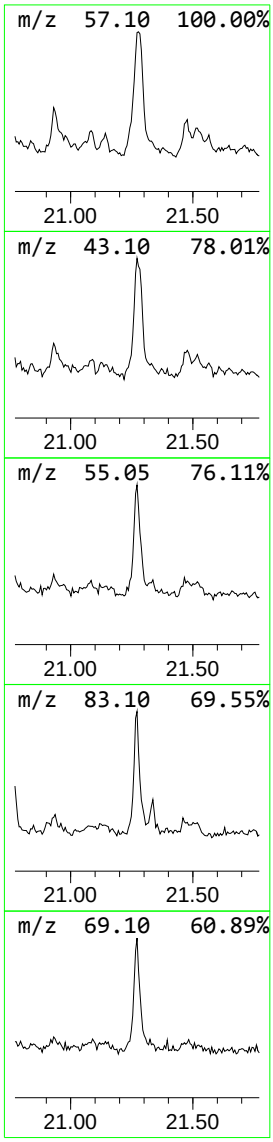
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Peak Number 3 1-Tricosene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.272 | 3.42 ng | 726774 | Chrysene-d12 | 21.577 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Tricosene | 322 | C23H46 | 018835-32-0 | 98 |
| 2 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 94 |
| 3 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 94 |
| 4 | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2 | 959218-78-1 | 94 |
| 5 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026098.D
Acq On : 11 Nov 2025 20:18
Operator : RC/JU
Sample : Q3586-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SED-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

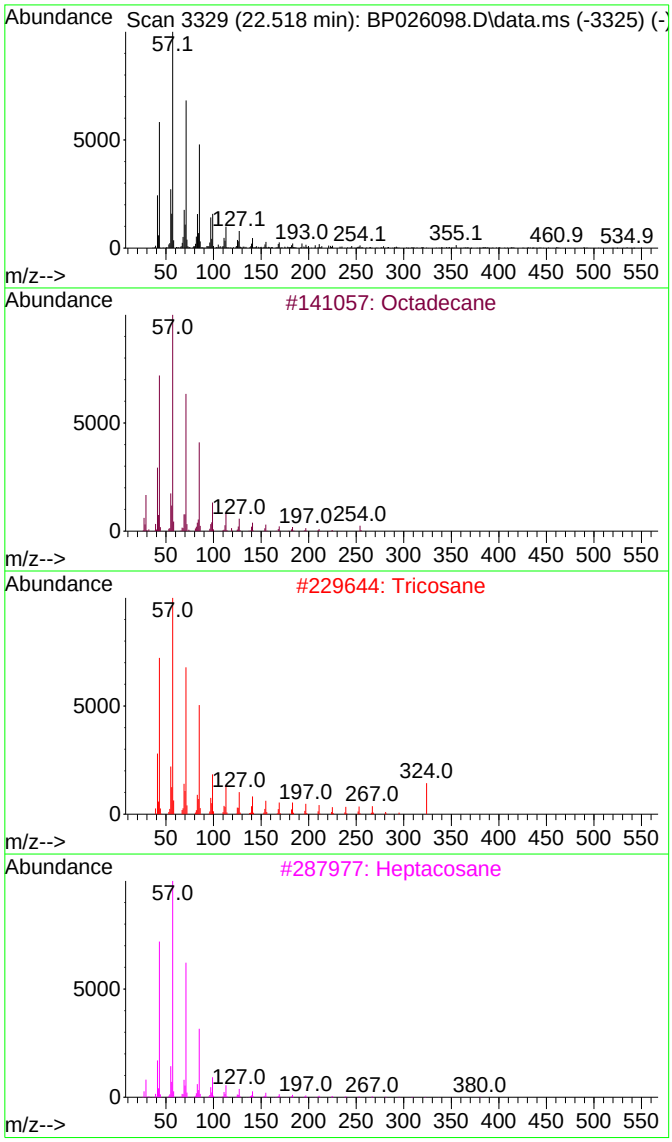
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TIC Integration Parameters: LSCINT.P

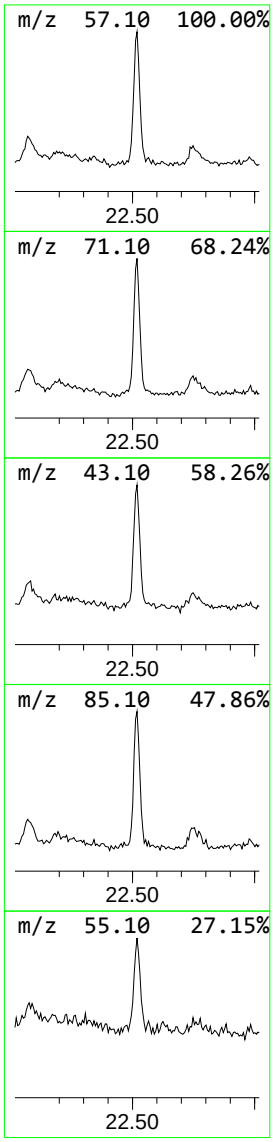
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Peak Number 4 Octadecane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.519 | 2.55 ng | 541814 | Chrysene-d12 | 21.577 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 95 |
| 2 | Tricosane | 324 | C23H48 | 000638-67-5 | 95 |
| 3 | Heptacosane | 380 | C27H56 | 000593-49-7 | 93 |
| 4 | Heptadecane, 9-hexyl- | 324 | C23H48 | 055124-79-3 | 93 |
| 5 | 2-Bromo dodecane | 248 | C12H25Br | 013187-99-0 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026098.D
Acq On : 11 Nov 2025 20:18
Operator : RC/JU
Sample : Q3586-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SED-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

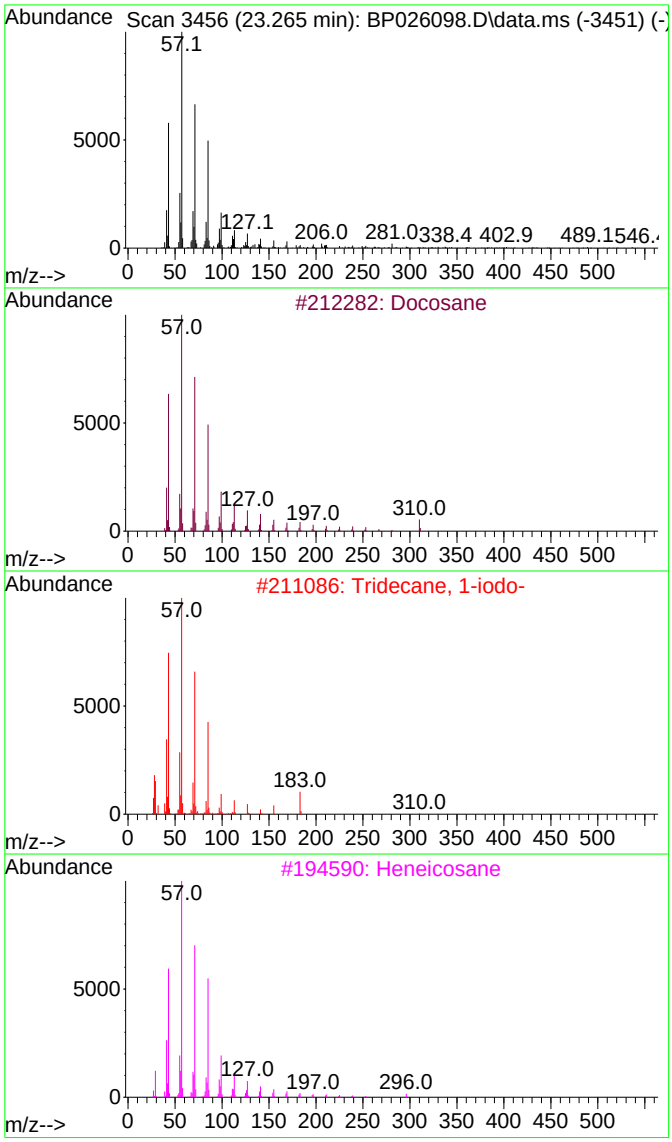
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

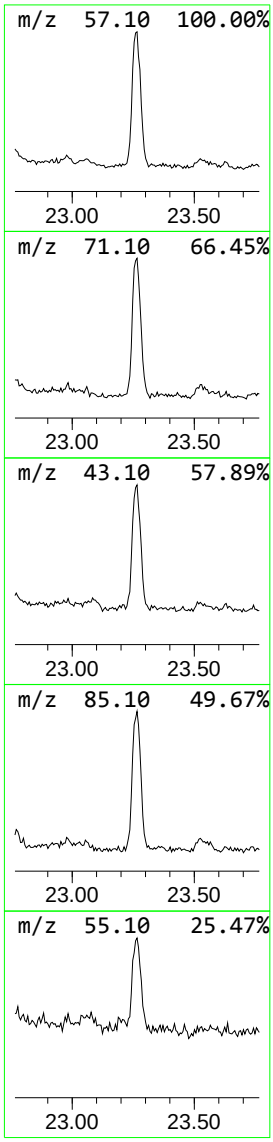
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Peak Number 5 Docosane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.265 | 2.94 ng | 734319 | Perylene-d12 | 24.907 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Docosane | 310 | C22H46 | 000629-97-0 | 93 |
| 2 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 91 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 90 |
| 5 | Triacontane | 422 | C30H62 | 000638-68-6 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026098.D
Acq On : 11 Nov 2025 20:18
Operator : RC/JU
Sample : Q3586-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SED-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

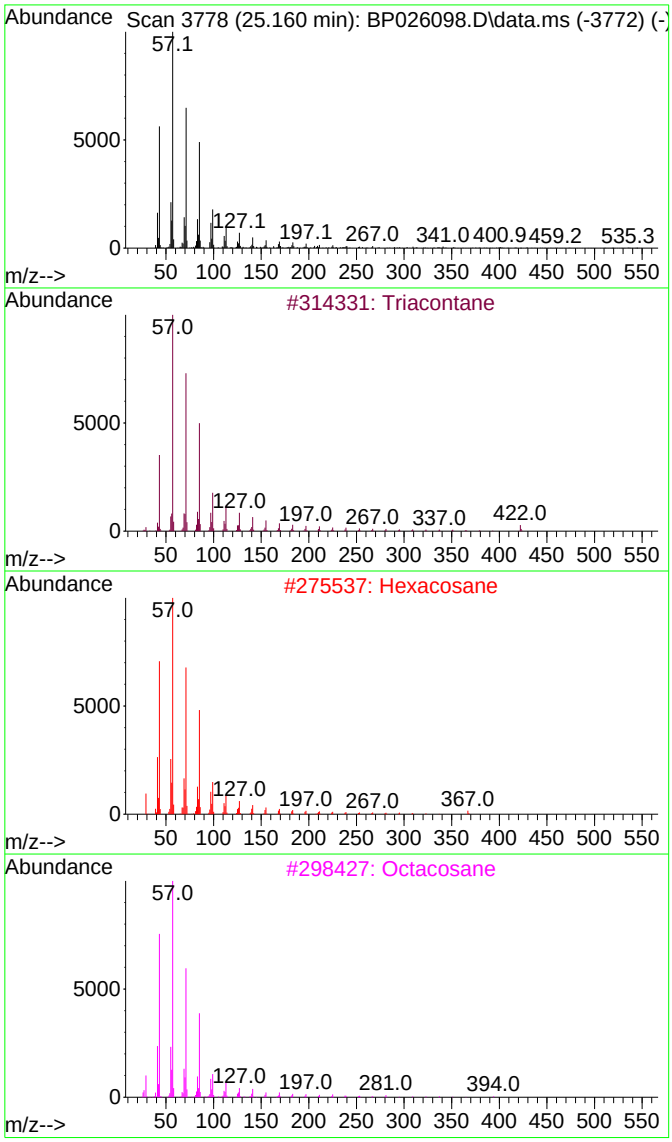
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TIC Integration Parameters: LSCINT.P

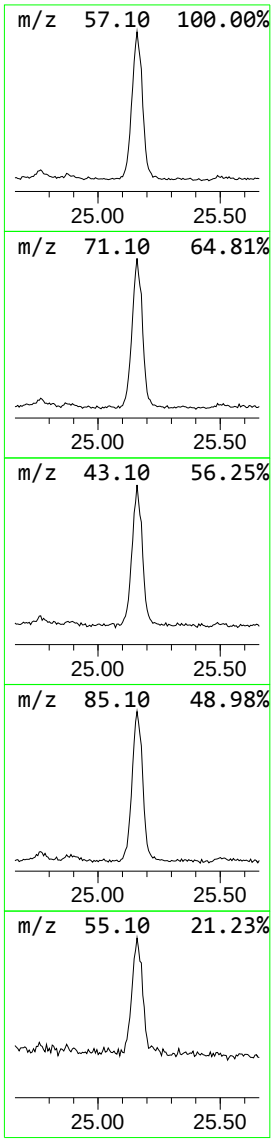
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Peak Number 7 Triacontane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.160 | 5.71 ng | 1424420 | Perylene-d12 | 24.907 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Triacontane | 422 | C30H62 | 000638-68-6 | 90 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 90 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 5 | Octacosane, 2-methyl- | 408 | C29H60 | 001560-98-1 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026098.D
Acq On : 11 Nov 2025 20:18
Operator : RC/JU
Sample : Q3586-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SED-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

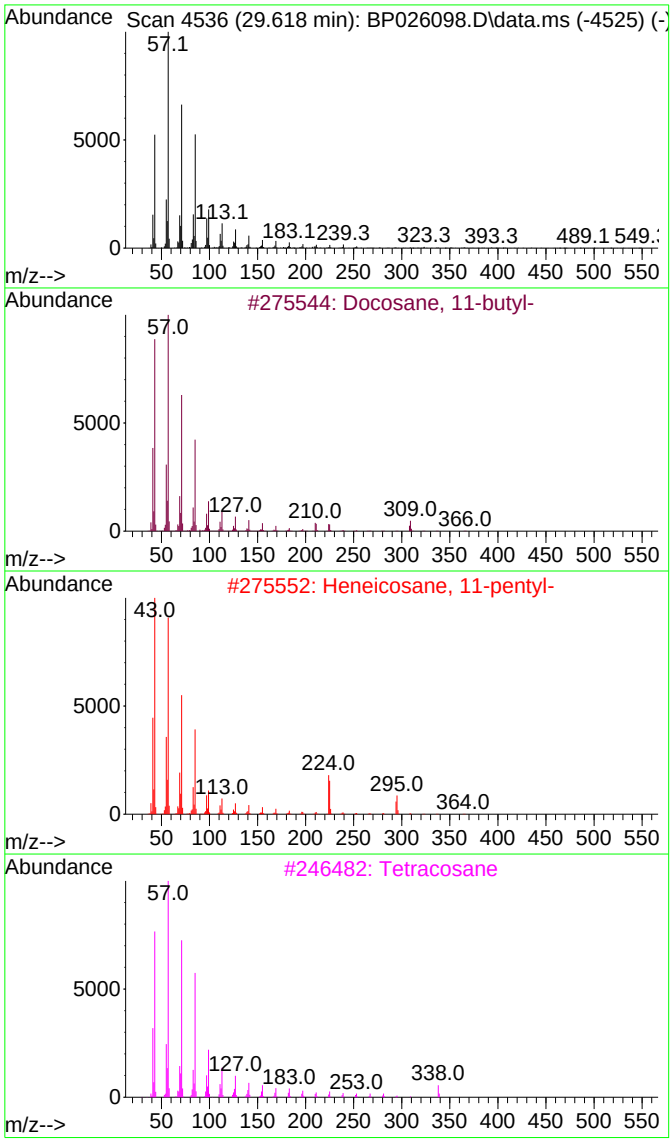
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TIC Integration Parameters: LSCINT.P

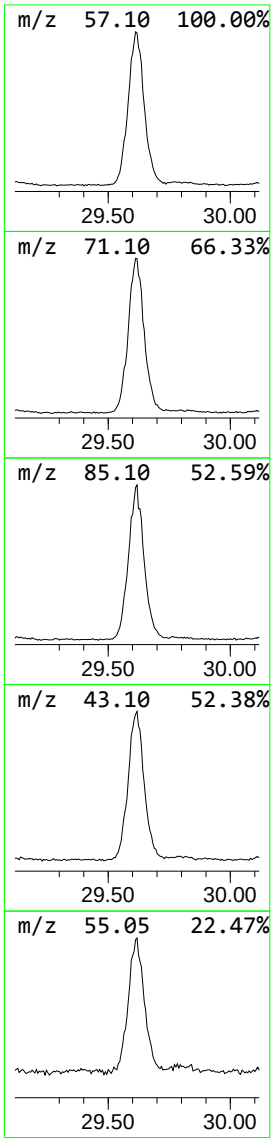
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Peak Number 9 Docosane, 11-butyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 29.618 | 15.32 ng | 3824470 | Perylene-d12 | 24.907 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 95 |
| 2 | Heneicosane, 11-pentyl- | 366 | C26H54 | 014739-72-1 | 94 |
| 3 | Tetracosane | 338 | C24H50 | 000646-31-1 | 93 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 5 | Docosane, 9-butyl- | 366 | C26H54 | 055282-14-9 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026098.D
Acq On : 11 Nov 2025 20:18
Operator : RC/JU
Sample : Q3586-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SED-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

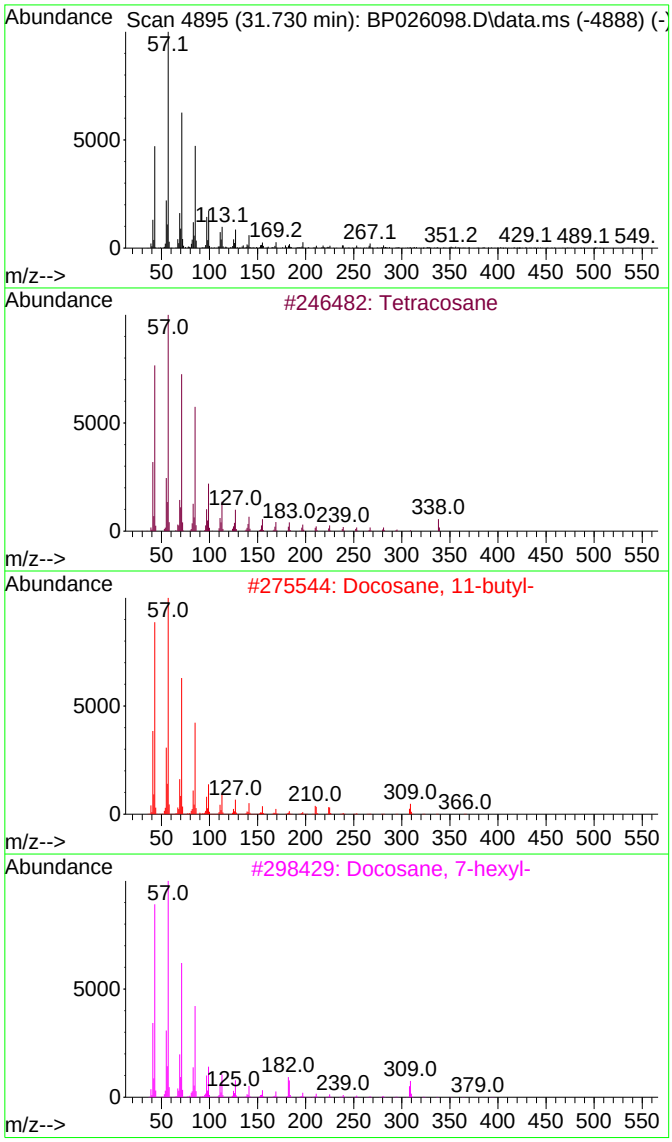
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

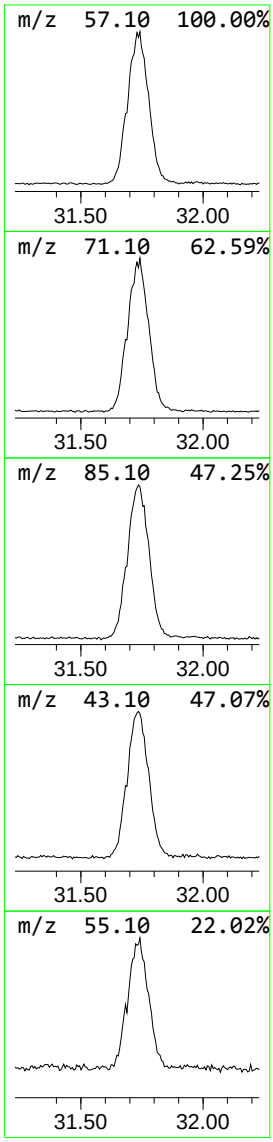
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Peak Number 10 Tetracosane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 31.730 | 3.01 ng | 752100 | Perylene-d12 | 24.907 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracosane | 338 | C24H50 | 000646-31-1 | 93 |
| 2 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 93 |
| 3 | Docosane, 7-hexyl- | 394 | C28H58 | 055373-86-9 | 93 |
| 4 | Hexadecane, 1-iodo- | 352 | C16H33I | 000544-77-4 | 93 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026098.D
Acq On : 11 Nov 2025 20:18
Operator : RC/JU
Sample : Q3586-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SED-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.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 |
| Benzophenone | 15.701 | 11.3 | ng | 1468180 | 3 | 14.313 | 2601190 | 20.0 |
| n-Hexadecanoic ... | 18.083 | 6.1 | ng | 990709 | 4 | 17.125 | 3265520 | 20.0 |
| 1-Tricosene | 21.272 | 3.4 | ng | 726774 | 5 | 21.577 | 4255300 | 20.0 |
| Octadecane | 22.519 | 2.5 | ng | 541814 | 5 | 21.577 | 4255300 | 20.0 |
| Docosane | 23.265 | 2.9 | ng | 734319 | 6 | 24.907 | 4991710 | 20.0 |
| Triacontane | 25.160 | 5.7 | ng | 1424420 | 6 | 24.907 | 4991710 | 20.0 |
| Docosane, 11-bu... | 29.618 | 15.3 | ng | 3824470 | 6 | 24.907 | 4991710 | 20.0 |
| Tetracosane | 31.730 | 3.0 | ng | 752100 | 6 | 24.907 | 4991710 | 20.0 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026092.D
Acq On : 11 Nov 2025 16:11
Operator : RC/JU
Sample : Q3586-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SED-3

Quant Time: Nov 11 16:33:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

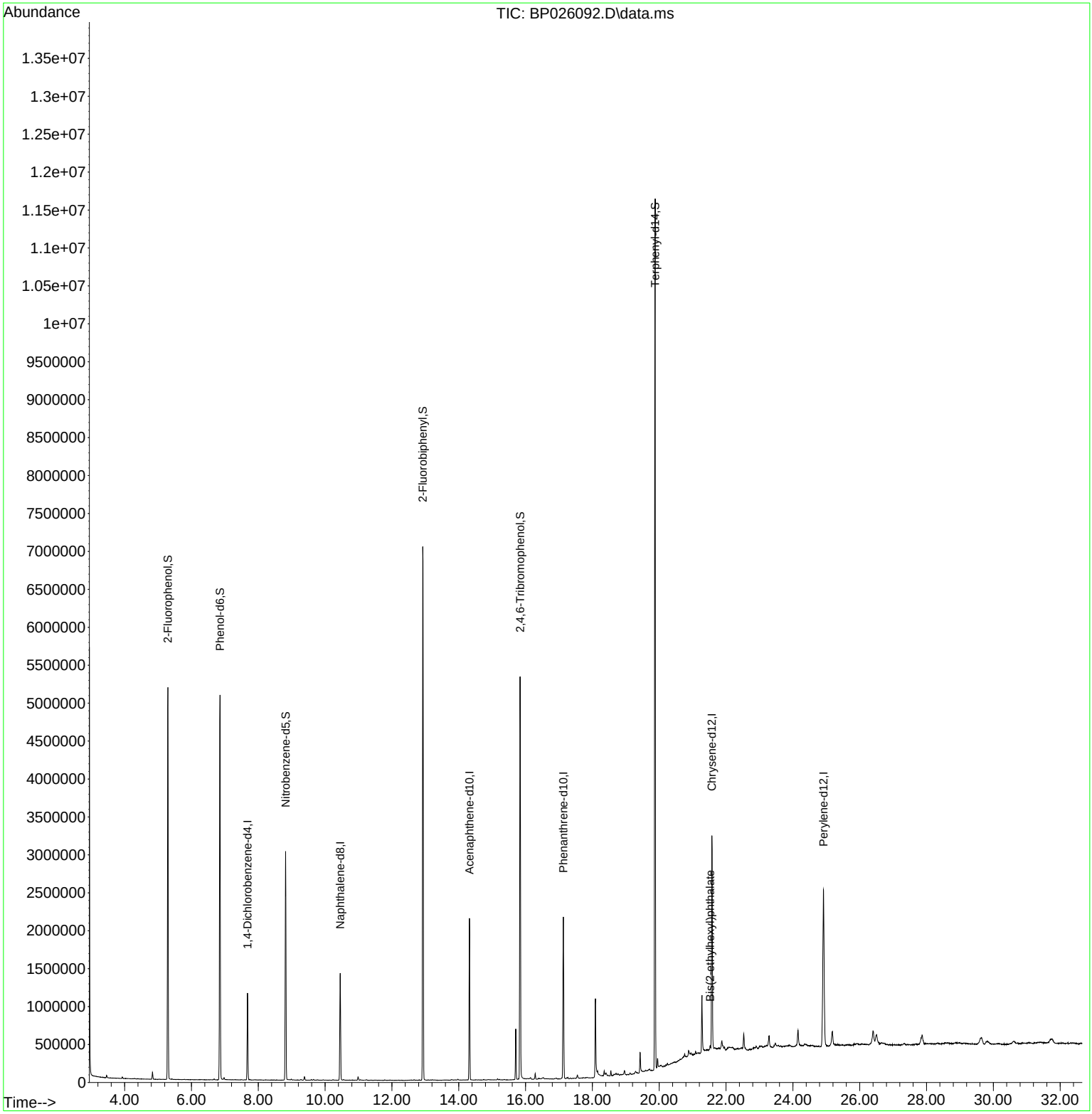
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.678 | 152 | 318405 | 20.000 | ng | -0.01 |
| 21) Naphthalene-d8 | 10.455 | 136 | 1214569 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.319 | 164 | 729423 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.131 | 188 | 1507921 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.577 | 240 | 1773559 | 20.000 | ng | 0.01 |
| 86) Perylene-d12 | 24.918 | 264 | 2177402 | 20.000 | ng | 0.04 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.296 | 112 | 2310855 | 119.757 | ng | 0.00 |
| 7) Phenol-d6 | 6.855 | 99 | 2883548 | 117.407 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.819 | 82 | 1631319 | 83.730 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.837 | 330 | 1155024 | 146.469 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 12.925 | 172 | 3817179 | 75.196 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.878 | 244 | 6447175 | 73.855 | ng | 0.01 |
| Target Compounds | | | | | | Qvalue |
| 84) Bis(2-ethylhexyl)phtha... | 21.525 | 149 | 34867 | 3.059 | ng | # 99 |

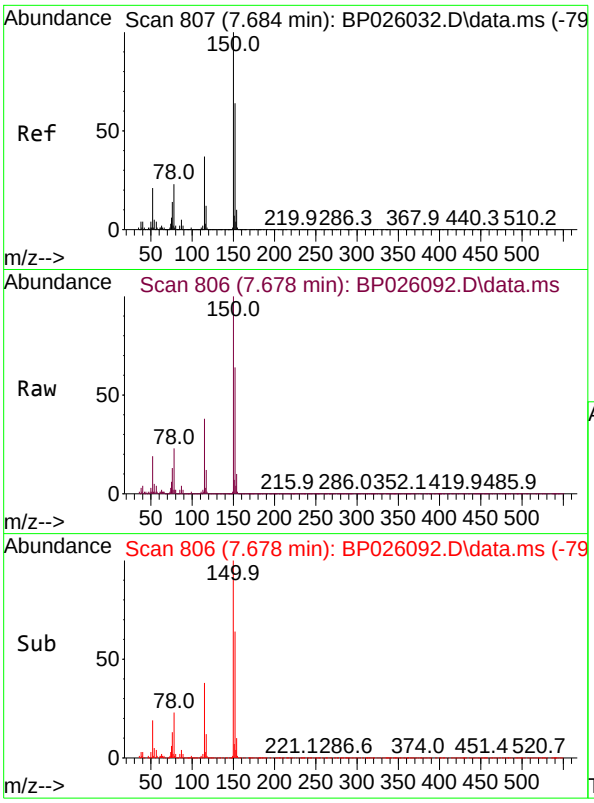
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026092.D
Acq On : 11 Nov 2025 16:11
Operator : RC/JU
Sample : Q3586-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SED-3

Quant Time: Nov 11 16:33:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration



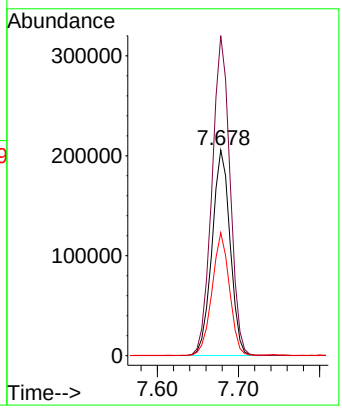


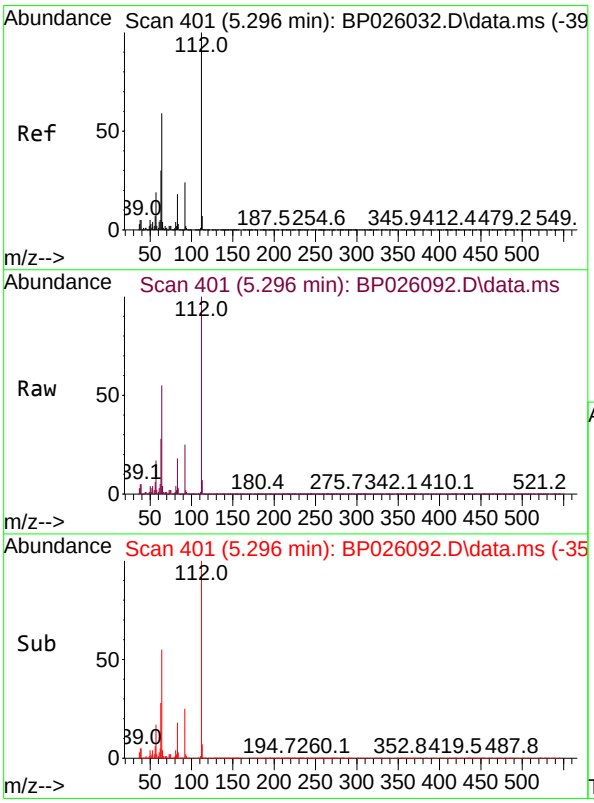

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.678 min Scan# 80
Delta R.T. -0.012 min
Lab File: BP026092.D
Acq: 11 Nov 2025 16:11

**Instrument :**
BNA_P
**ClientSampleId :**
SED-3

Tgt Ion:152 Resp: 318405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.6 | 125.7 | 188.5 |
| 115 | 59.8 | 46.4 | 69.6 |

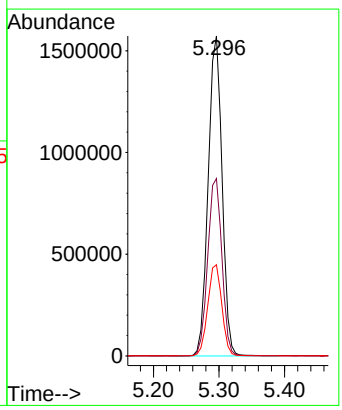


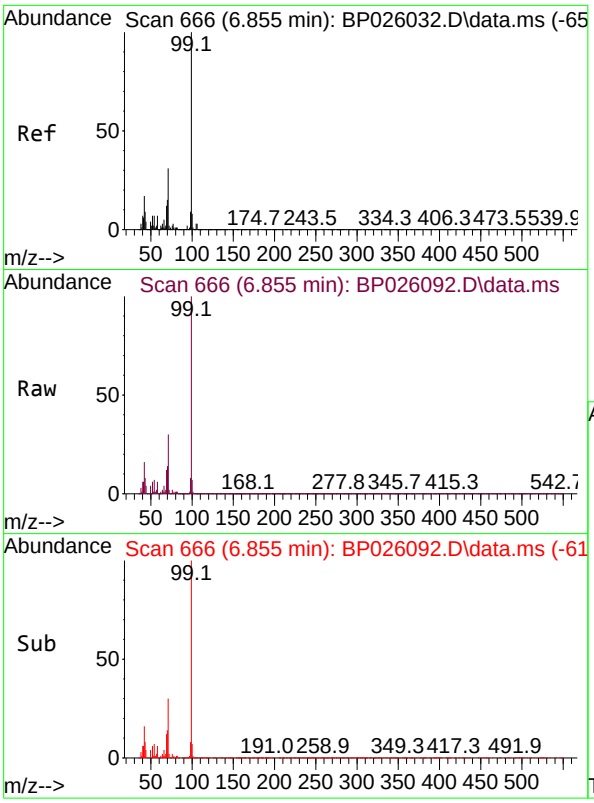




#5
2-Fluorophenol
Concen: 119.757 ng
RT: 5.296 min Scan# 401
Delta R.T. 0.000 min
Lab File: BP026092.D
Acq: 11 Nov 2025 16:11

Tgt Ion:112 Resp: 2310855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 55.4 | 47.4 | 71.2 |
| 63 | 28.5 | 24.2 | 36.4 |



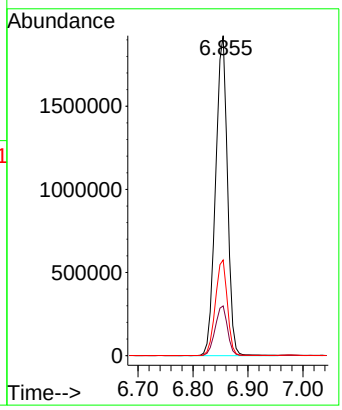


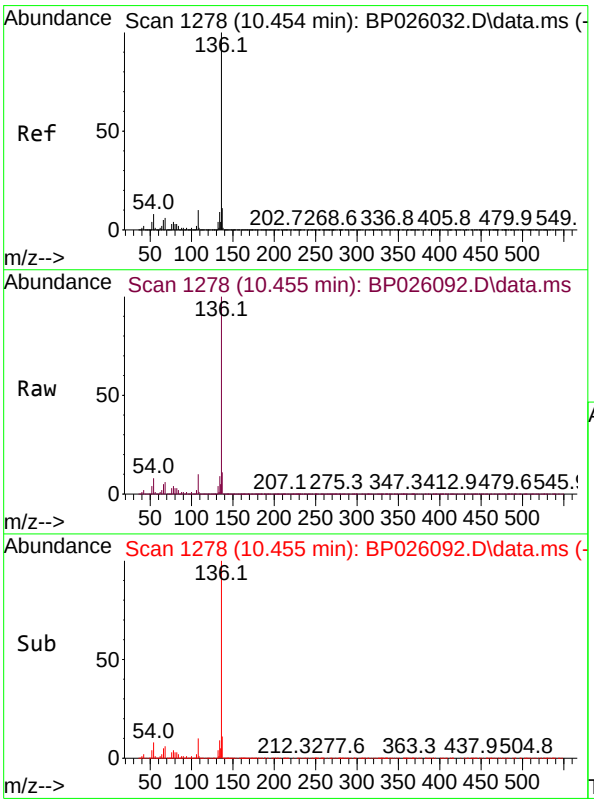

#7
Phenol-d6
Concen: 117.407 ng
RT: 6.855 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026092.D
Acq: 11 Nov 2025 16:11

**Instrument :**
BNA_P
**ClientSampleId :**
SED-3

Tgt Ion: 99 Resp: 2883548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.5 | 13.7 | 20.5 |
| 71 | 29.9 | 24.4 | 36.6 |

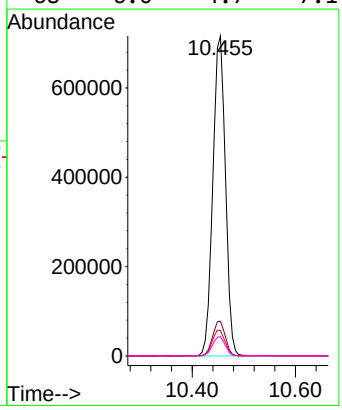


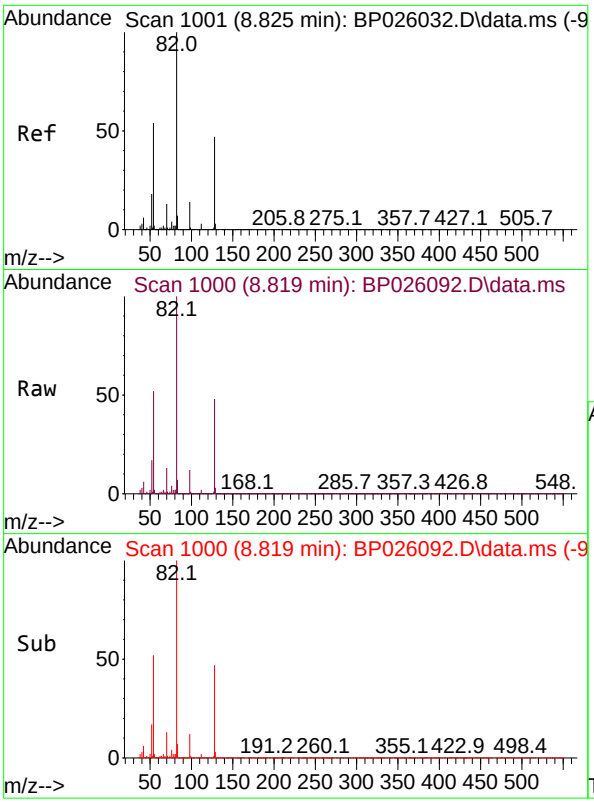




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.455 min Scan# 1278
Delta R.T. 0.001 min
Lab File: BP026092.D
Acq: 11 Nov 2025 16:11

Tgt Ion:136 Resp: 1214569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.8 | 13.2 |
| 54 | 7.9 | 6.6 | 10.0 |
| 68 | 6.0 | 4.7 | 7.1 |



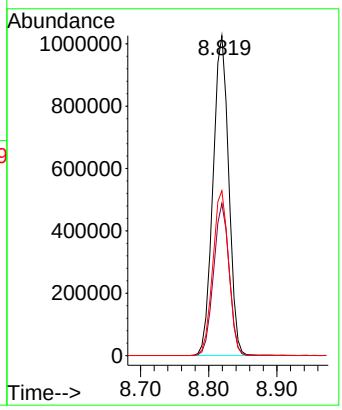


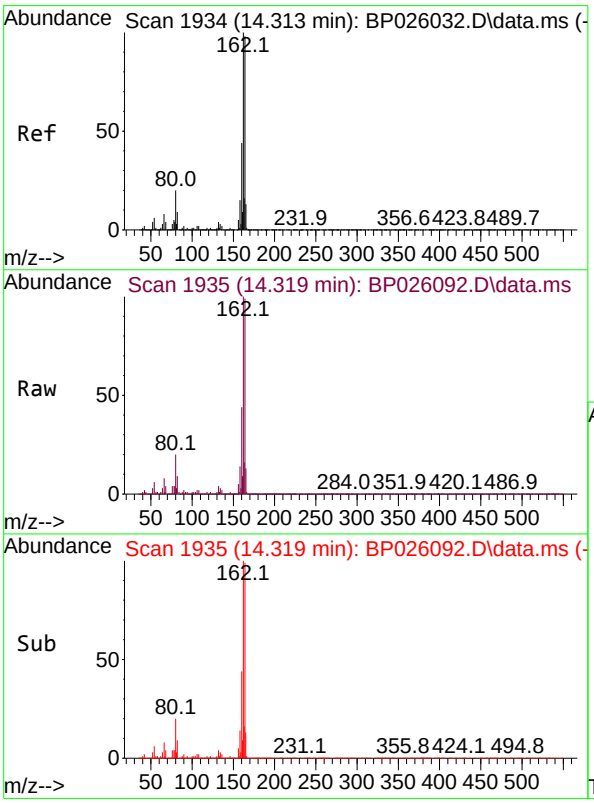

#23
Nitrobenzene-d5
Concen: 83.730 ng
RT: 8.819 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026092.D
Acq: 11 Nov 2025 16:11

**Instrument :**
BNA_P
**ClientSampleId :**
SED-3

Tgt Ion: 82 Resp: 1631319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.5 | 37.4 | 56.0 |
| 54 | 51.5 | 42.7 | 64.1 |

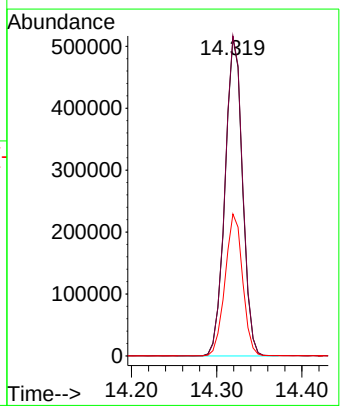


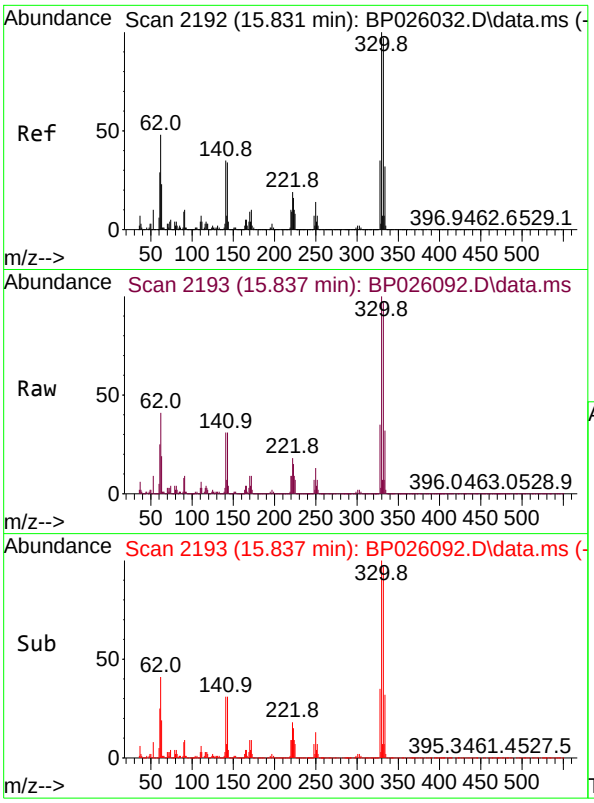




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.319 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP026092.D
Acq: 11 Nov 2025 16:11

Tgt Ion:164 Resp: 729423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.7 | 81.5 | 122.3 |
| 160 | 44.6 | 36.2 | 54.4 |



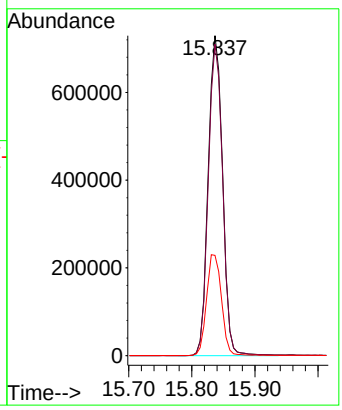


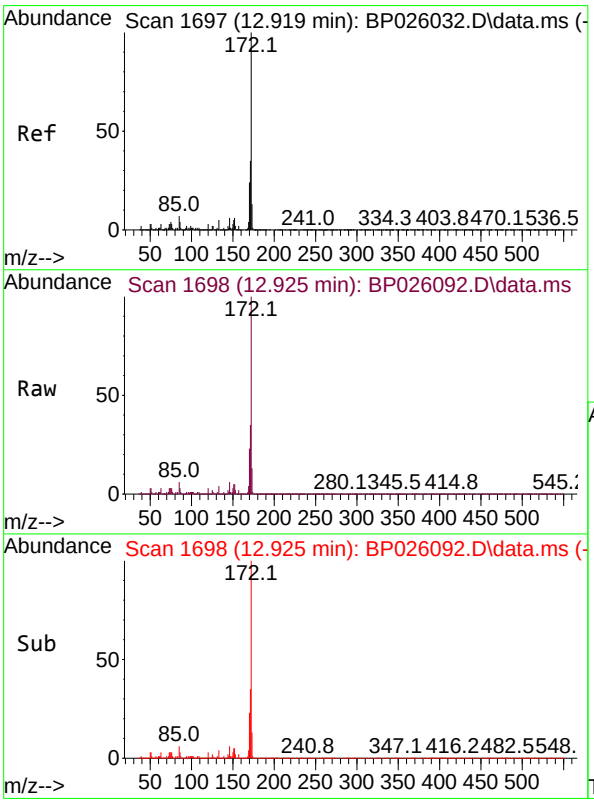

#42
2,4,6-Tribromophenol
Concen: 146.469 ng
RT: 15.837 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP026092.D
Acq: 11 Nov 2025 16:11

**Instrument :**
BNA_P
**ClientSampleId :**
SED-3

Tgt Ion:330 Resp: 1155024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.0 | 77.3 | 115.9 |
| 141 | 32.8 | 28.6 | 42.8 |

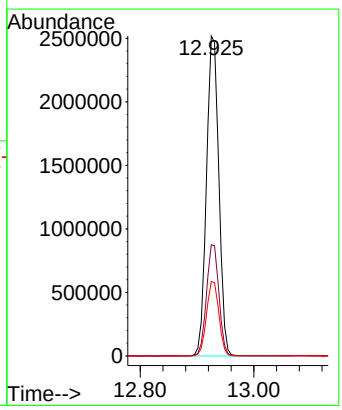


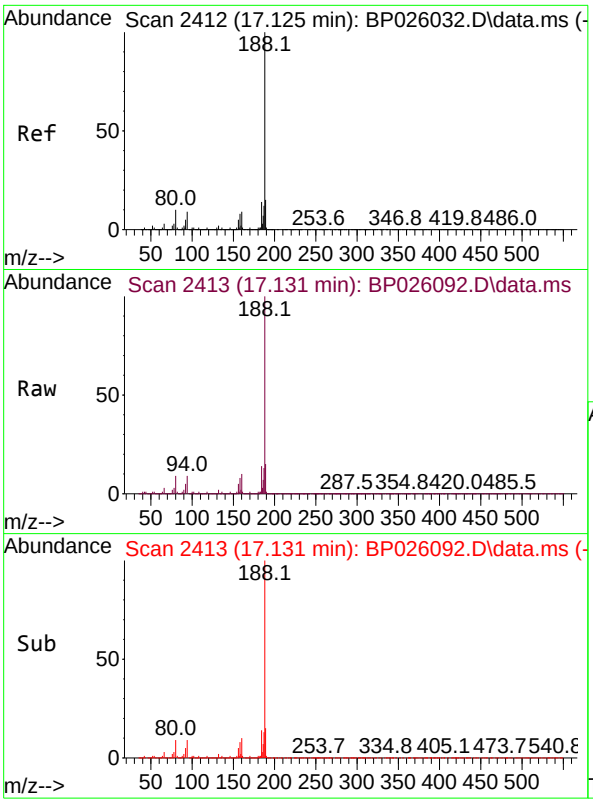




#45
2-Fluorobiphenyl
Concen: 75.196 ng
RT: 12.925 min Scan# 1698
Delta R.T. -0.006 min
Lab File: BP026092.D
Acq: 11 Nov 2025 16:11

Tgt Ion:172 Resp: 3817179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.7 | 27.9 | 41.9 |
| 170 | 23.3 | 19.0 | 28.4 |



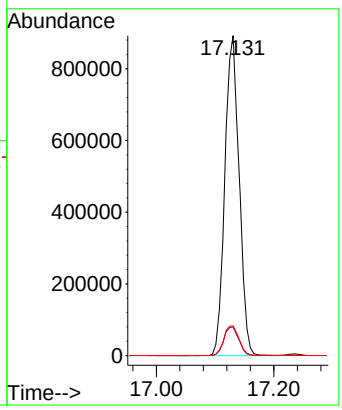


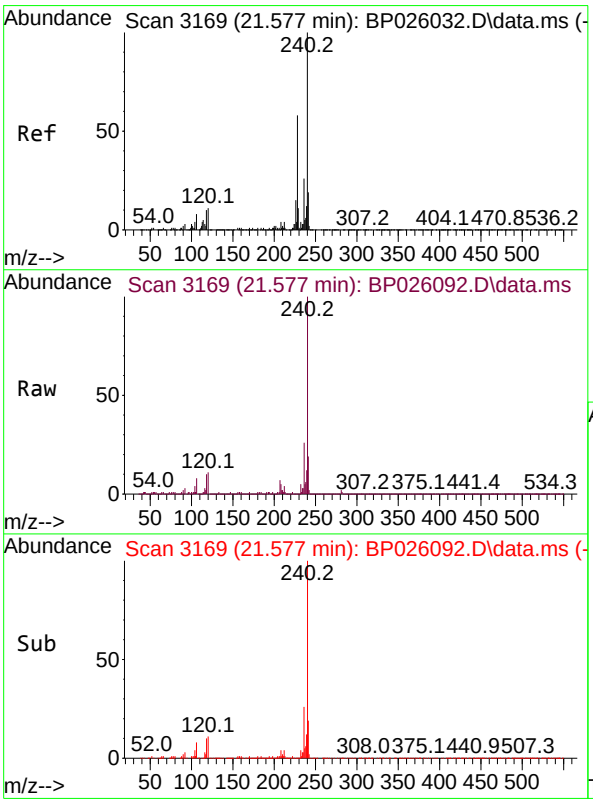

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.131 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP026092.D
Acq: 11 Nov 2025 16:11

**Instrument :**
BNA_P
**ClientSampleId :**
SED-3

Tgt Ion:188 Resp: 1507921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.0 | 7.1 | 10.7 |
| 80 | 9.3 | 7.9 | 11.9 |

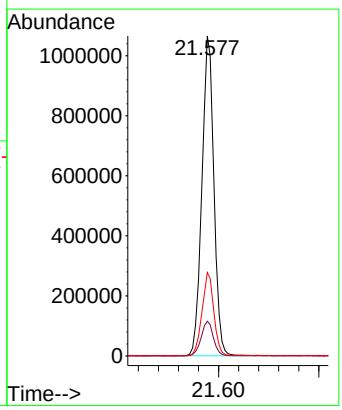


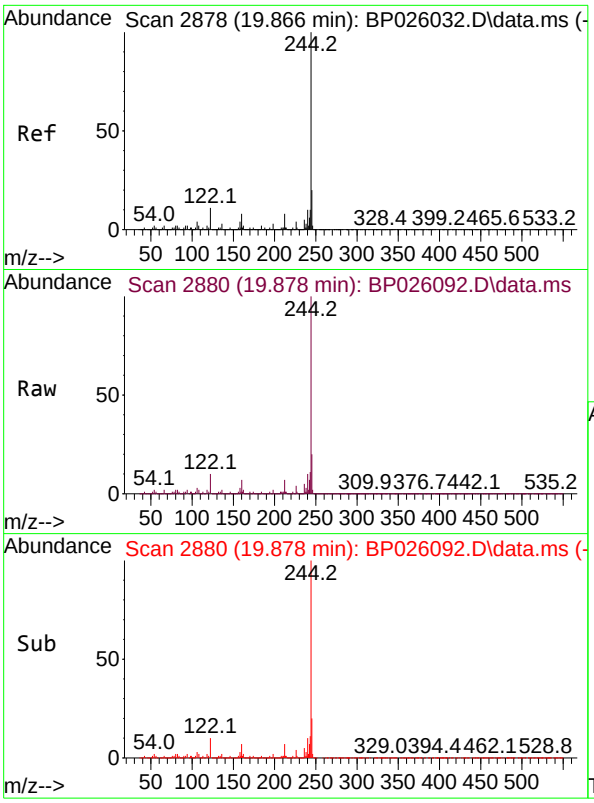




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 3169
Delta R.T. 0.012 min
Lab File: BP026092.D
Acq: 11 Nov 2025 16:11

Tgt Ion:240 Resp: 1773559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.8 | 8.9 | 13.3 |
| 236 | 26.0 | 20.6 | 31.0 |



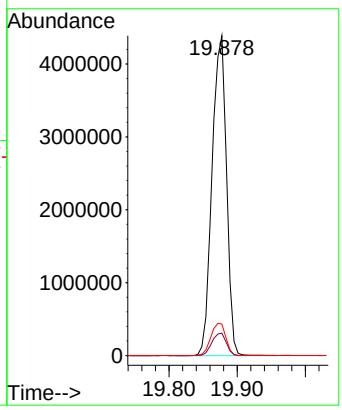


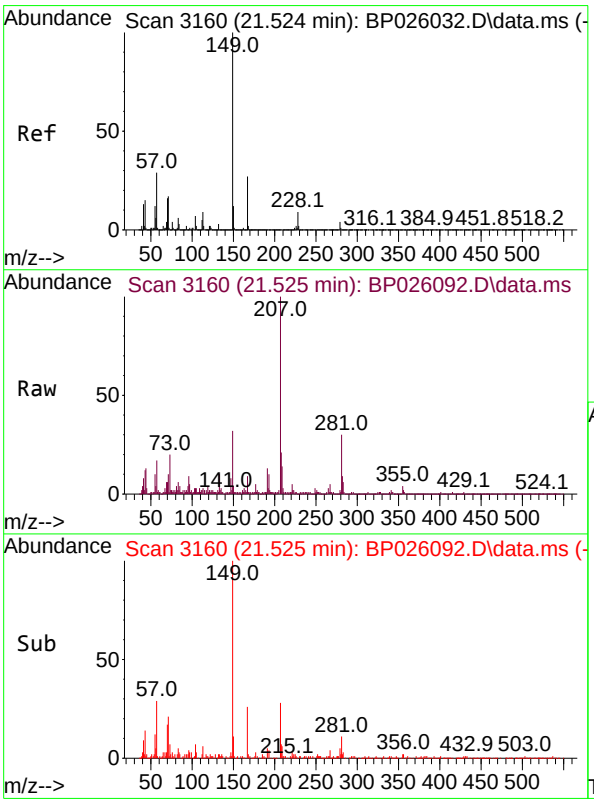

#79
Terphenyl-d14
Concen: 73.855 ng
RT: 19.878 min Scan# 28
Delta R.T. 0.012 min
Lab File: BP026092.D
Acq: 11 Nov 2025 16:11

**Instrument :**
BNA_P
**ClientSampleId :**
SED-3

Tgt Ion:244 Resp: 6447175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 6.0 | 9.0 |
| 122 | 9.9 | 9.0 | 13.6 |

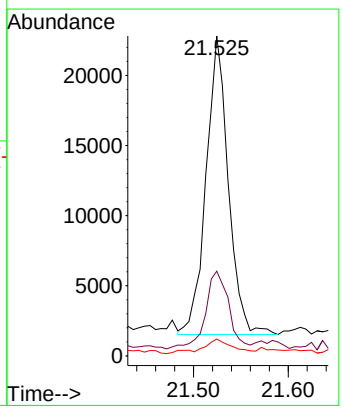


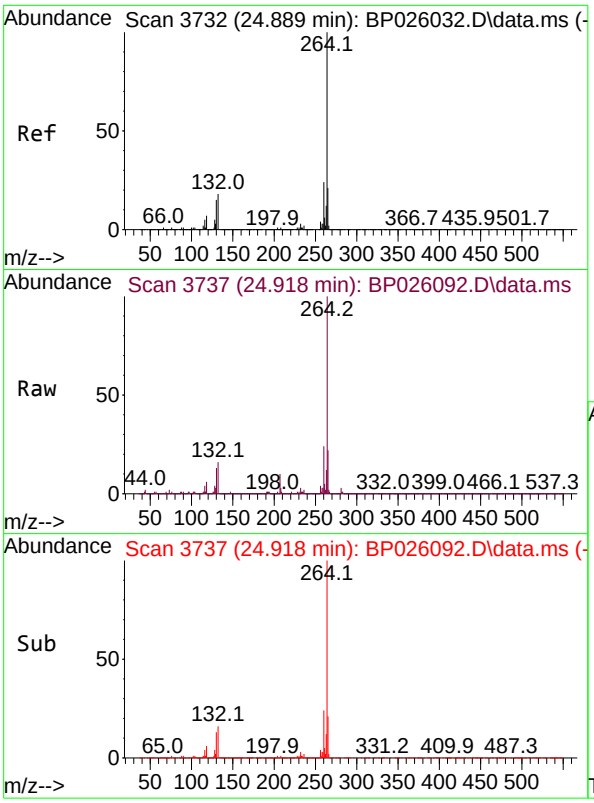




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.059 ng
RT: 21.525 min Scan# 3160
Delta R.T. 0.007 min
Lab File: BP026092.D
Acq: 11 Nov 2025 16:11

Tgt Ion:149 Resp: 34867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.5 | 21.5 | 32.3 |
| 279 | 5.3 | 3.0 | 4.6# |



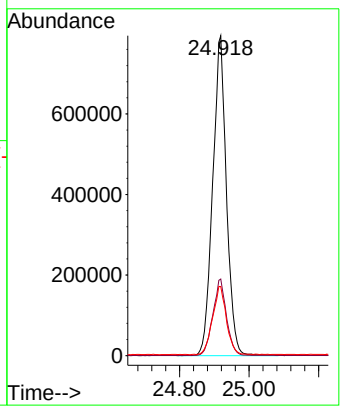



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.918 min Scan# 3
Delta R.T. 0.036 min
Lab File: BP026092.D
Acq: 11 Nov 2025 16:11

**Instrument :**
BNA_P
**ClientSampleId :**
SED-3

Tgt Ion:264 Resp: 2177402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 19.1 | 28.7 |
| 265 | 21.6 | 17.2 | 25.8 |



Sample Results: **BP026092.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026092.D
Acq On : 11 Nov 2025 16:11
Operator : RC/JU
Sample : Q3586-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SED-3

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP026092.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.296 | 394 | 401 | 415 | rVB | 5166648 | 7661635 | 44.94% | 9.263% |
| 2 | 6.855 | 656 | 666 | 678 | rBV | 5073753 | 7795845 | 45.72% | 9.425% |
| 3 | 7.678 | 799 | 806 | 814 | rVB | 1145545 | 1766955 | 10.36% | 2.136% |
| 4 | 8.819 | 992 | 1000 | 1012 | rBV | 3014196 | 4847308 | 28.43% | 5.860% |
| 5 | 10.455 | 1268 | 1278 | 1291 | rBV | 1413747 | 2416630 | 14.17% | 2.922% |
| 6 | 12.925 | 1691 | 1698 | 1711 | rBV | 7033784 | 10678637 | 62.63% | 12.911% |
| 7 | 14.319 | 1928 | 1935 | 1942 | rBV | 2131394 | 3048034 | 17.88% | 3.685% |
| 8 | 15.707 | 2165 | 2171 | 2180 | rBV | 668176 | 973975 | 5.71% | 1.178% |
| 9 | 15.837 | 2186 | 2193 | 2213 | rBV | 5304291 | 8632999 | 50.63% | 10.437% |
| 10 | 17.131 | 2406 | 2413 | 2421 | rVB | 2128467 | 3631314 | 21.30% | 4.390% |
| 11 | 18.089 | 2570 | 2576 | 2585 | rBV | 1033888 | 1779540 | 10.44% | 2.151% |
| 12 | 19.425 | 2799 | 2803 | 2814 | rBV | 266578 | 477858 | 2.80% | 0.578% |
| 13 | 19.878 | 2873 | 2880 | 2887 | rBV | 11482543 | 17050362 | 100.00% | 20.614% |
| 14 | 19.948 | 2889 | 2892 | 2900 | rVV | 116477 | 191616 | 1.12% | 0.232% |
| 15 | 21.278 | 3113 | 3118 | 3128 | rBV | 752373 | 1237108 | 7.26% | 1.496% |
| 16 | 21.577 | 3163 | 3169 | 3178 | rVB2 | 2806666 | 4656996 | 27.31% | 5.630% |
| 17 | 22.530 | 3327 | 3331 | 3337 | rVB | 189553 | 319865 | 1.88% | 0.387% |
| 18 | 24.913 | 3727 | 3736 | 3749 | rVB | 2042236 | 5546039 | 32.53% | 6.705% |

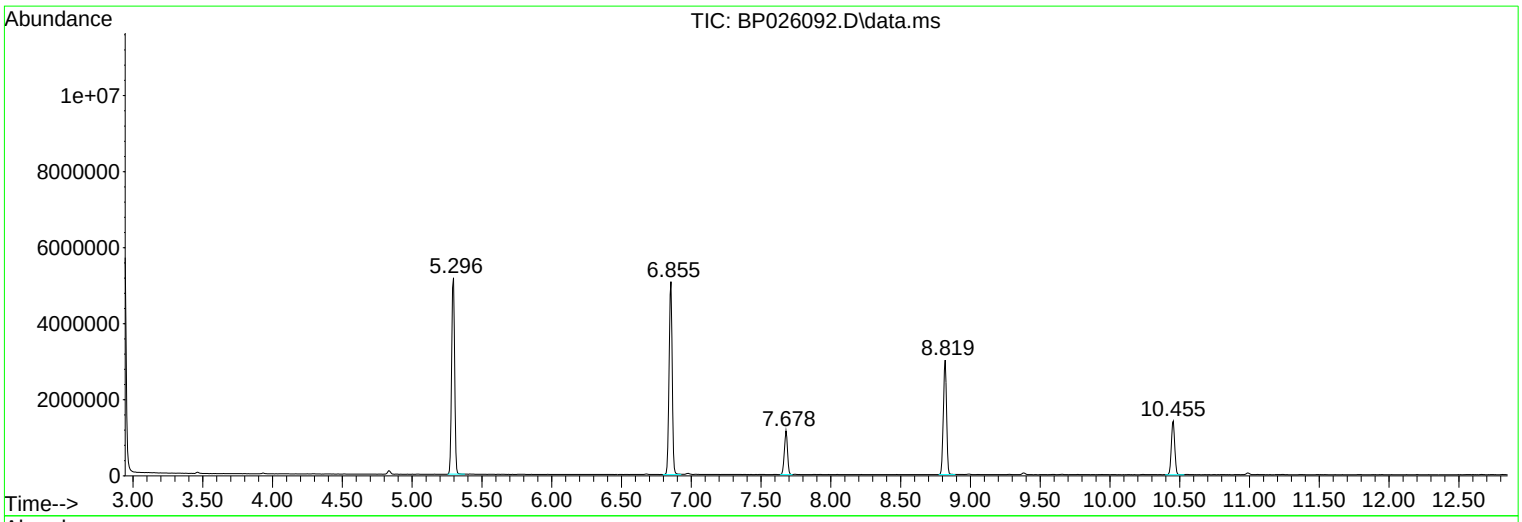
Sum of corrected areas: 82712716

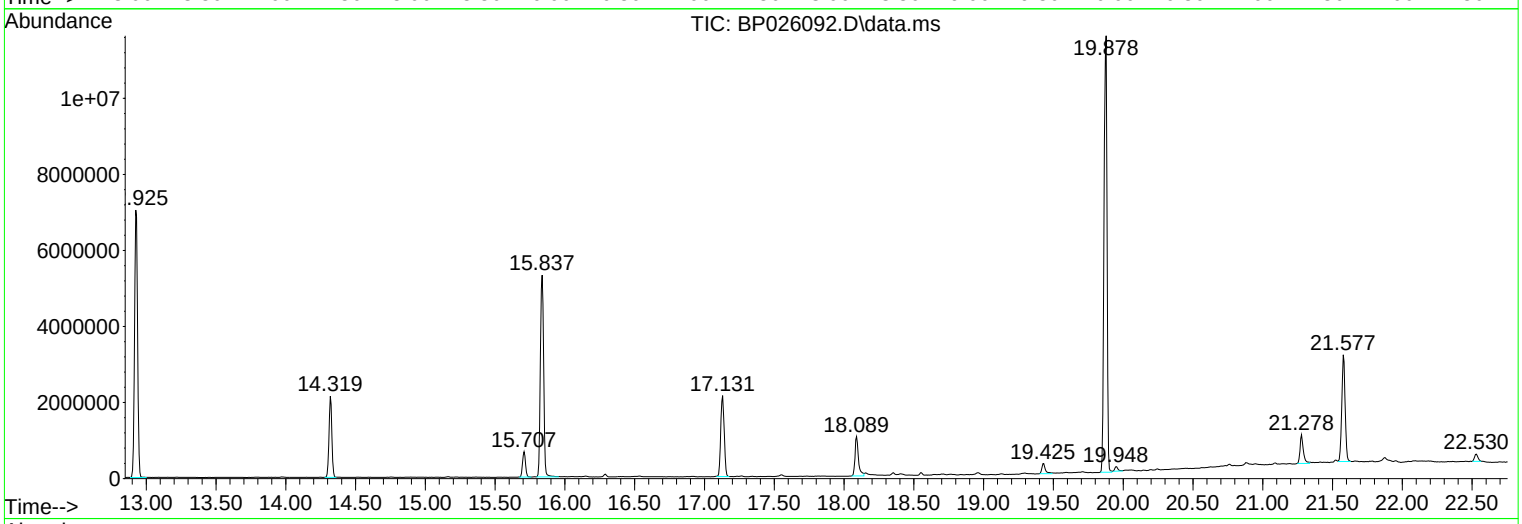
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026092.D
Acq On : 11 Nov 2025 16:11
Operator : RC/JU
Sample : Q3586-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

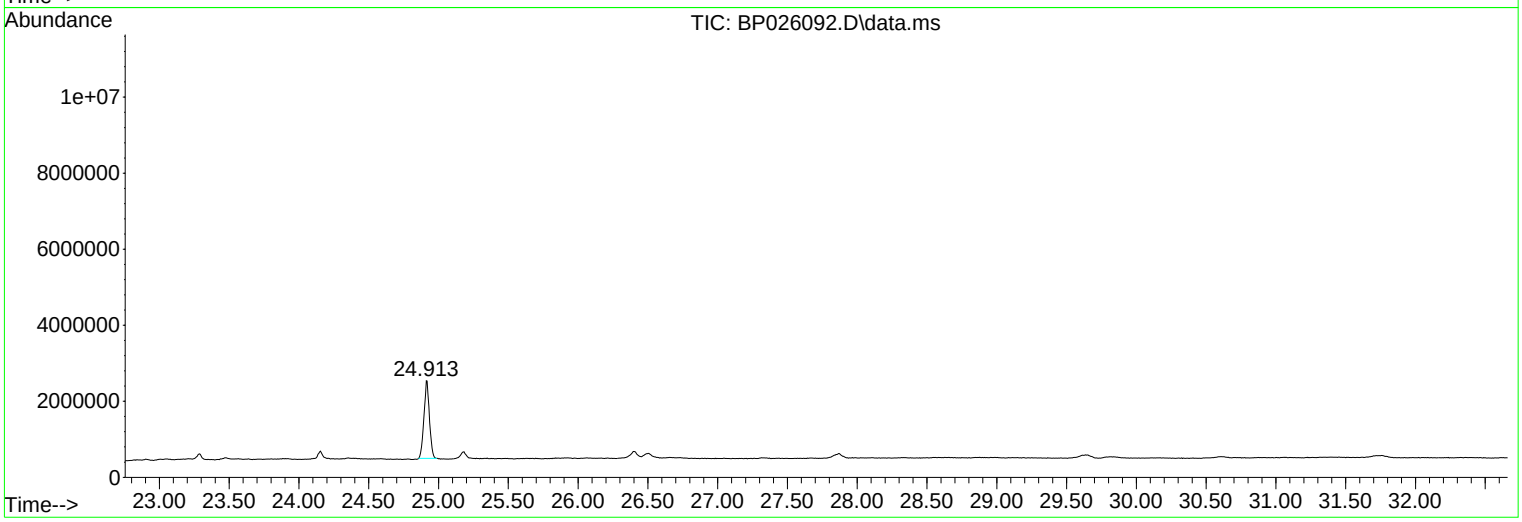
**Instrument :**
BNA_P
**ClientSampleId :**
SED-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.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\BP111125\
Data File : BP026092.D
Acq On : 11 Nov 2025 16:11
Operator : RC/JU
Sample : Q3586-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SED-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

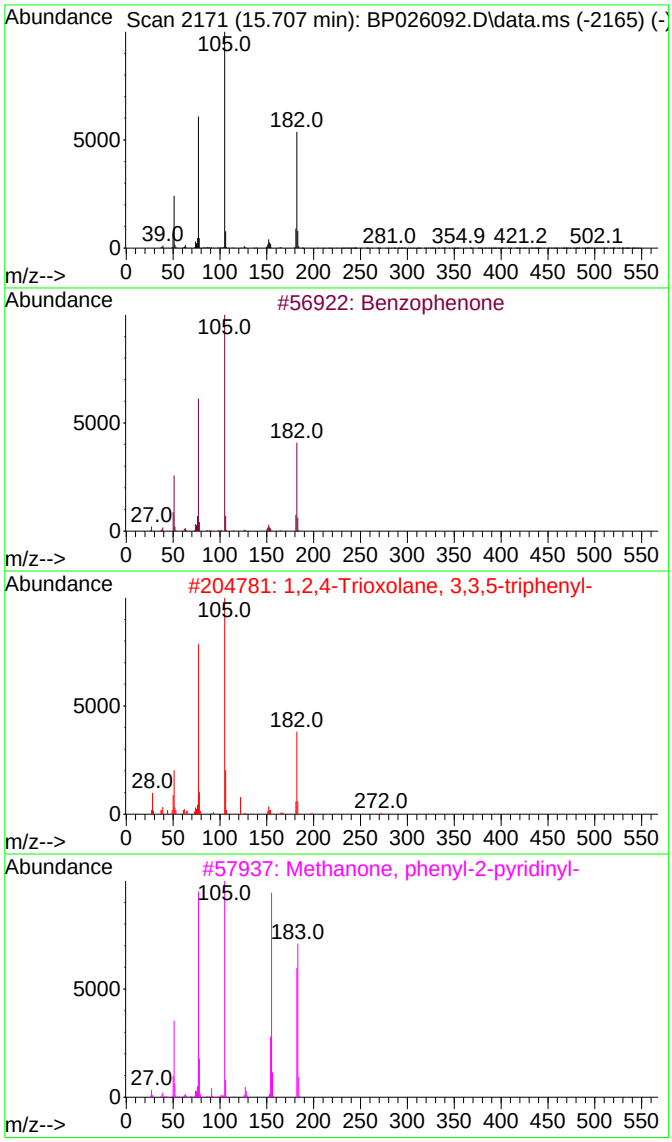
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

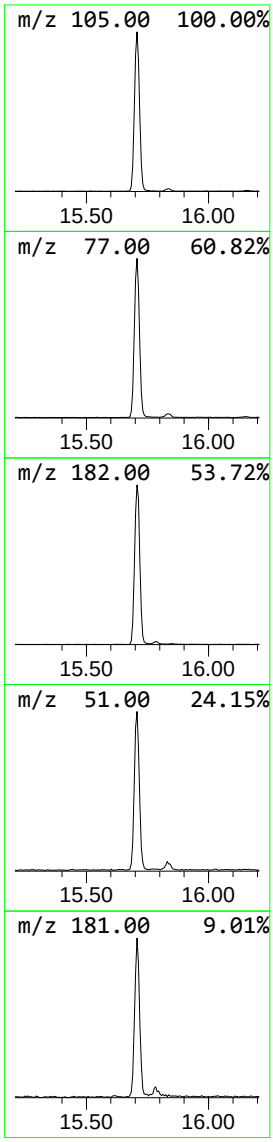
**********

Peak Number 1 Benzophenone Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.707 | 6.39 ng | 973975 | Acenaphthene-d10 | 14.319 |

| 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 | 45 |
| 3 | Methanone, phenyl-2-pyridinyl- | 183 | C12H9NO | 000091-02-1 | 45 |
| 4 | Azobenzene | 182 | C12H10N2 | 000103-33-3 | 42 |
| 5 | Benzenamine, N-(3-pyridinylmethy... | 182 | C12H10N2 | 029722-97-2 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026092.D
Acq On : 11 Nov 2025 16:11
Operator : RC/JU
Sample : Q3586-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SED-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

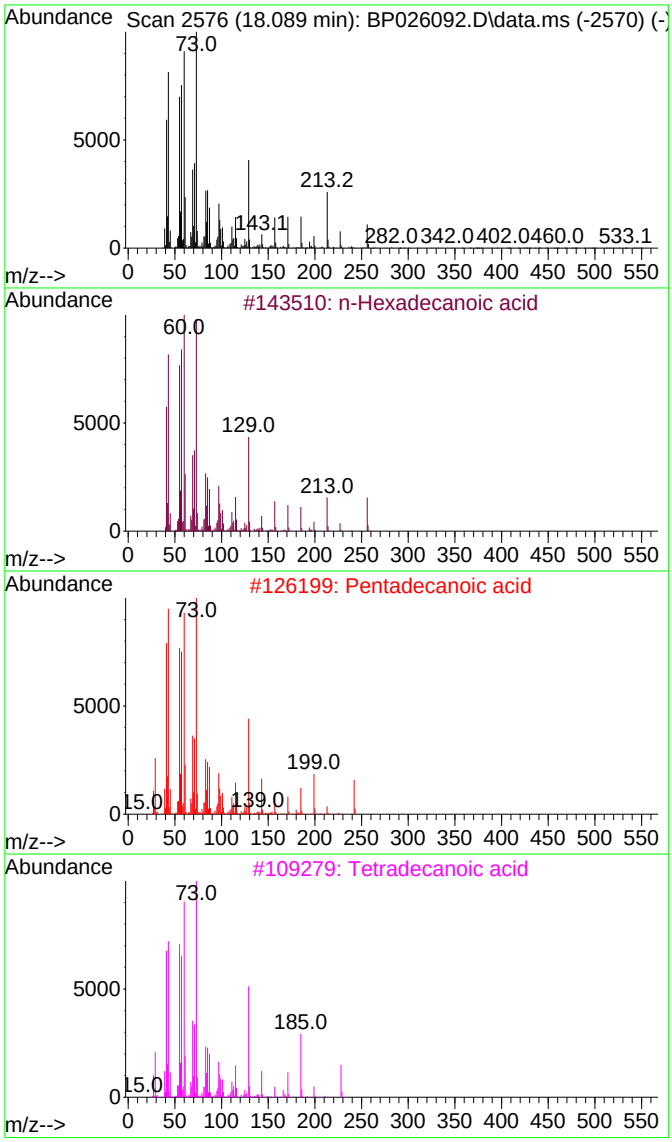
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

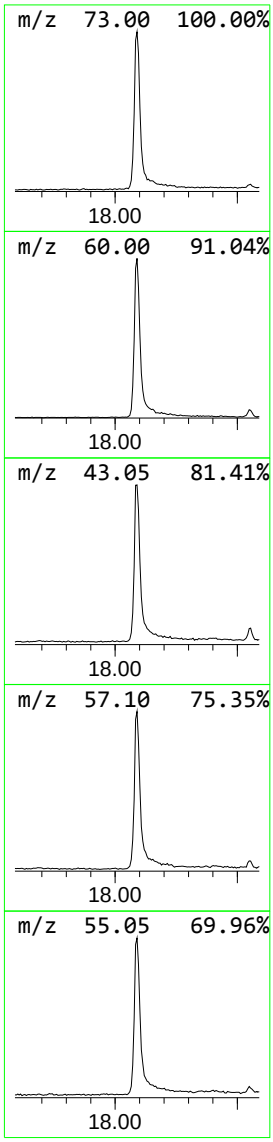
**********

Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.089 | 9.80 ng | 1779540 | Phenanthrene-d10 | 17.131 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 91 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 80 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 76 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 62 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026092.D
Acq On : 11 Nov 2025 16:11
Operator : RC/JU
Sample : Q3586-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SED-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

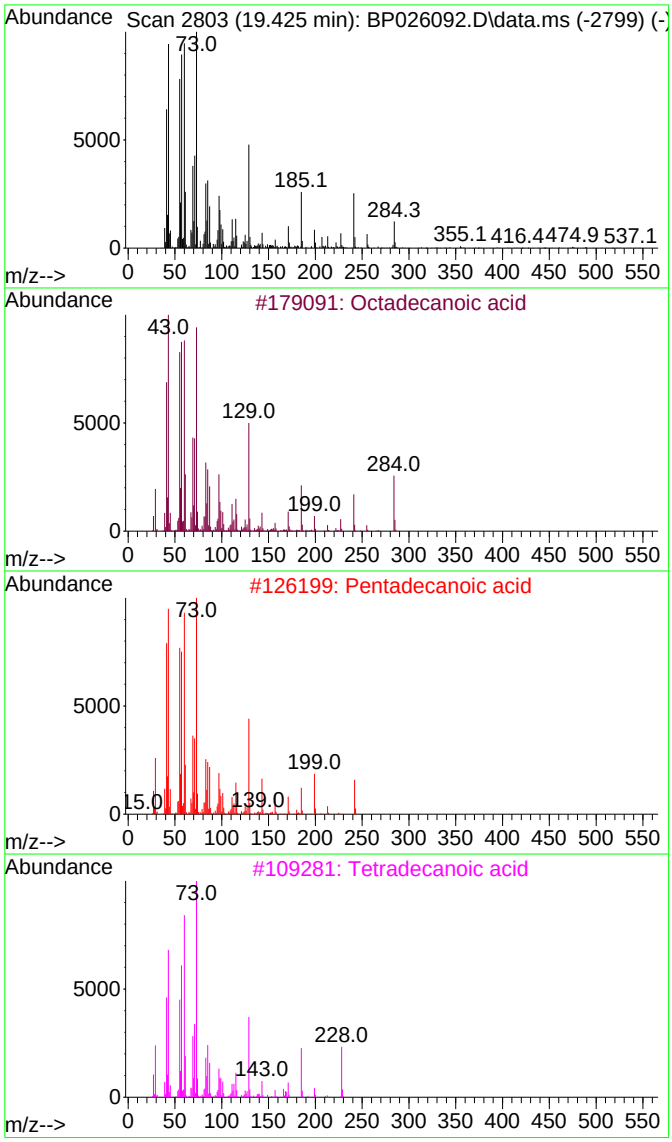
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

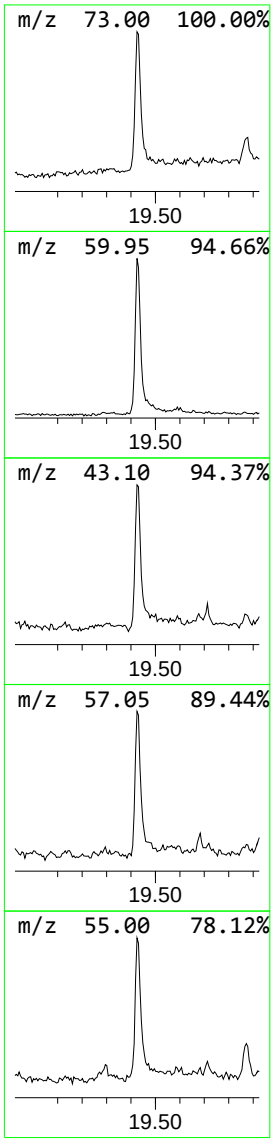
**********

Peak Number 3 Octadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.425 | 2.05 ng | 477858 | Chrysene-d12 | 21.578 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 90 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 87 |
| 4 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 83 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026092.D
Acq On : 11 Nov 2025 16:11
Operator : RC/JU
Sample : Q3586-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SED-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

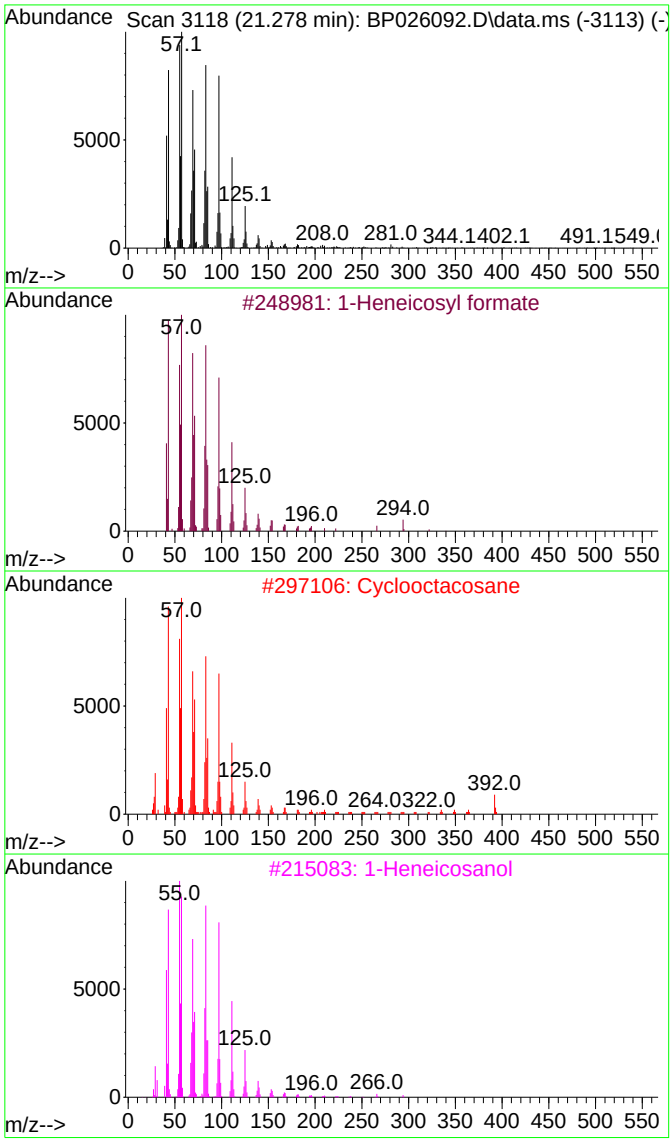
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

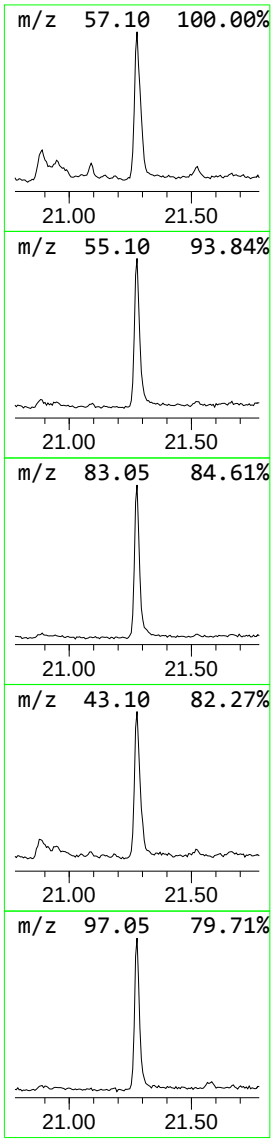
**********

Peak Number 4 1-Heneicosyl formate Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.278 | 5.31 ng | 1237110 | Chrysene-d12 | 21.578 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heneicosyl formate | 340 | C22H44O2 | 077899-03-7 | 99 |
| 2 | Cyclooctacosane | 392 | C28H56 | 000297-24-5 | 95 |
| 3 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 95 |
| 4 | 1-Hexacosene | 364 | C26H52 | 018835-33-1 | 94 |
| 5 | Pentacos-1-ene | 350 | C25H50 | 016980-85-1 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026092.D
Acq On : 11 Nov 2025 16:11
Operator : RC/JU
Sample : Q3586-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SED-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.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 |
| Benzophenone | 15.707 | 6.4 | ng | 973975 | 3 | 14.319 | 3048030 | 20.0 |
| n-Hexadecanoic ... | 18.089 | 9.8 | ng | 1779540 | 4 | 17.131 | 3631310 | 20.0 |
| Octadecanoic acid | 19.425 | 2.0 | ng | 477858 | 5 | 21.578 | 4657000 | 20.0 |
| 1-Heneicosyl fo... | 21.278 | 5.3 | ng | 1237110 | 5 | 21.578 | 4657000 | 20.0 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144199.D
Acq On : 11 Nov 2025 13:07
Operator : RC/JU
Sample : PB170478BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB170478BL

Quant Time: Nov 11 13:46:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

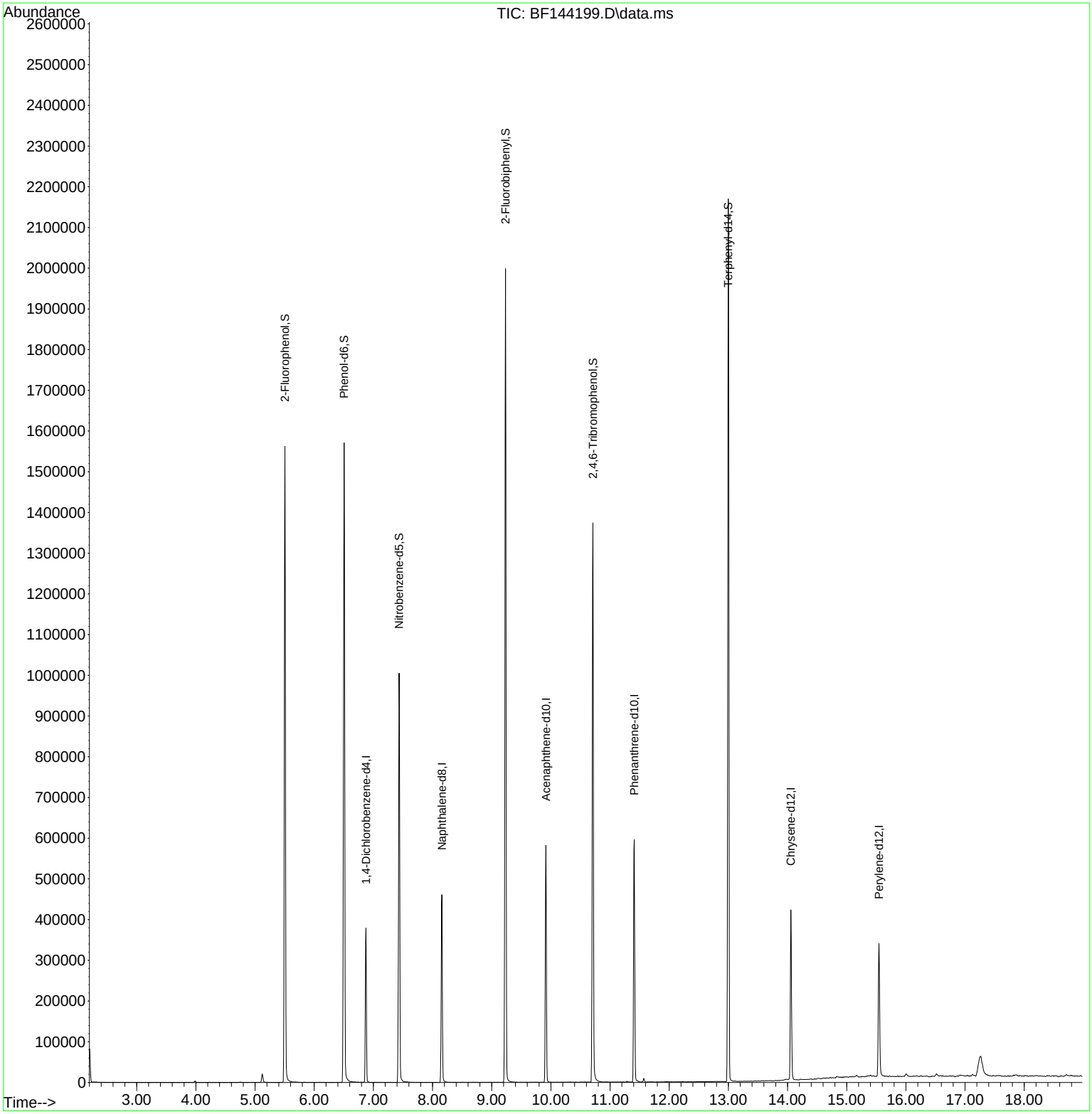
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 80148 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 308933 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 180668 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.410 | 188 | 336603 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.057 | 240 | 225293 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.545 | 264 | 226985 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.504 | 112 | 588374 | 114.879 | ng | 0.01 |
| 7) Phenol-d6 | 6.504 | 99 | 684658 | 117.978 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.434 | 82 | 443974 | 83.001 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 284869 | 125.649 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.234 | 172 | 975916 | 79.780 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.998 | 244 | 1198876 | 84.526 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |

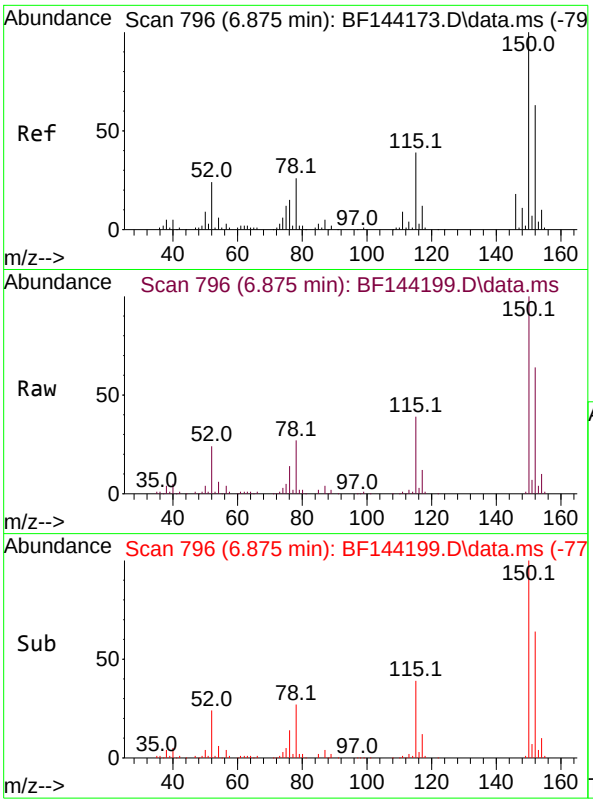
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144199.D
Acq On : 11 Nov 2025 13:07
Operator : RC/JU
Sample : PB170478BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB170478BL

Quant Time: Nov 11 13:46:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



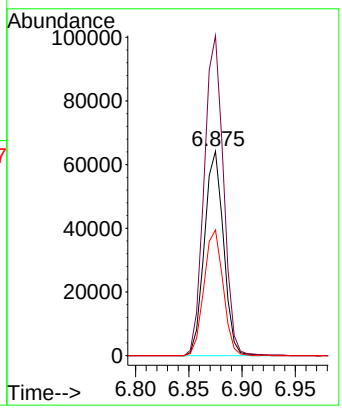


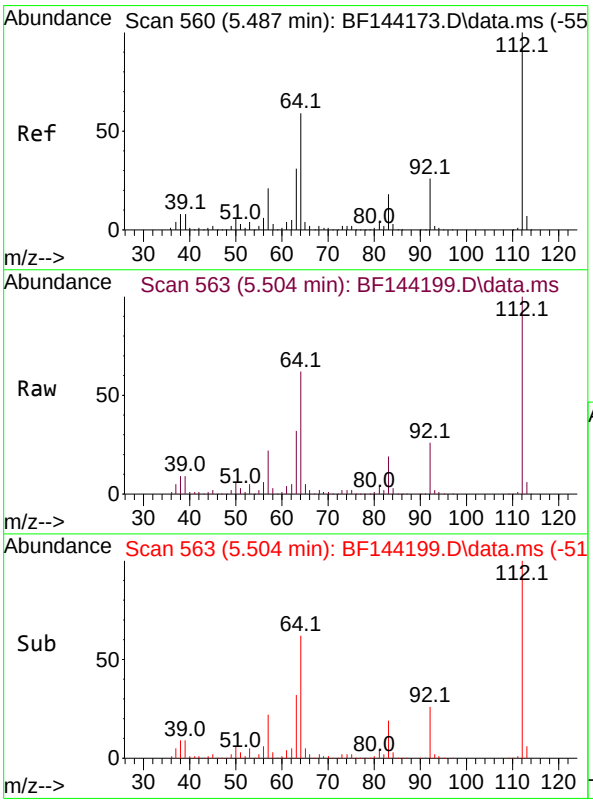

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144199.D
Acq: 11 Nov 2025 13:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB170478BL

Tgt Ion:152 Resp: 80148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.6 | 127.4 | 191.0 |
| 115 | 61.5 | 49.5 | 74.3 |

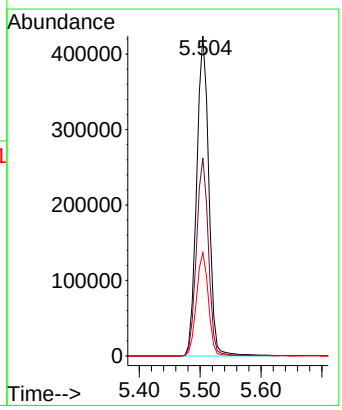


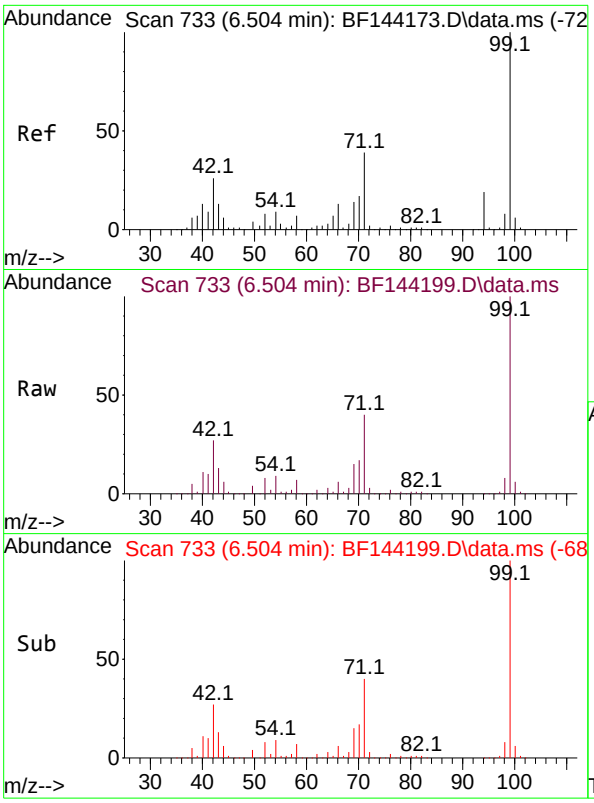




#5
2-Fluorophenol
Concen: 114.879 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF144199.D
Acq: 11 Nov 2025 13:07

Tgt Ion:112 Resp: 588374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.9 | 47.2 | 70.8 |
| 63 | 32.3 | 24.4 | 36.6 |



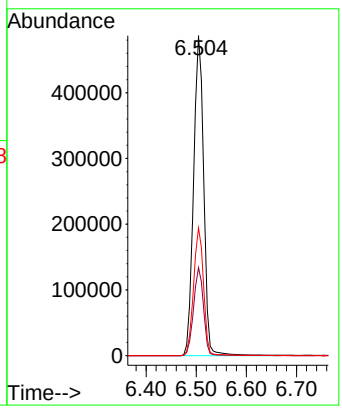


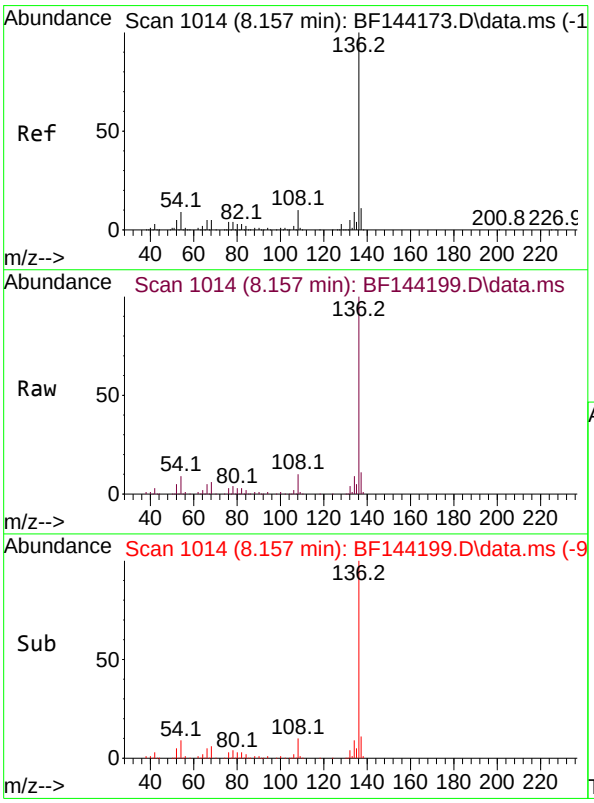

#7
Phenol-d6
Concen: 117.978 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF144199.D
Acq: 11 Nov 2025 13:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB170478BL

Tgt Ion: 99 Resp: 684658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 27.5 | 20.9 | 31.3 |
| 71 | 39.9 | 31.4 | 47.2 |

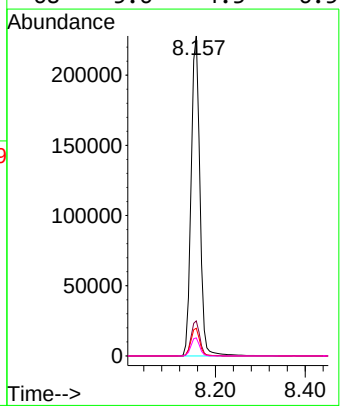


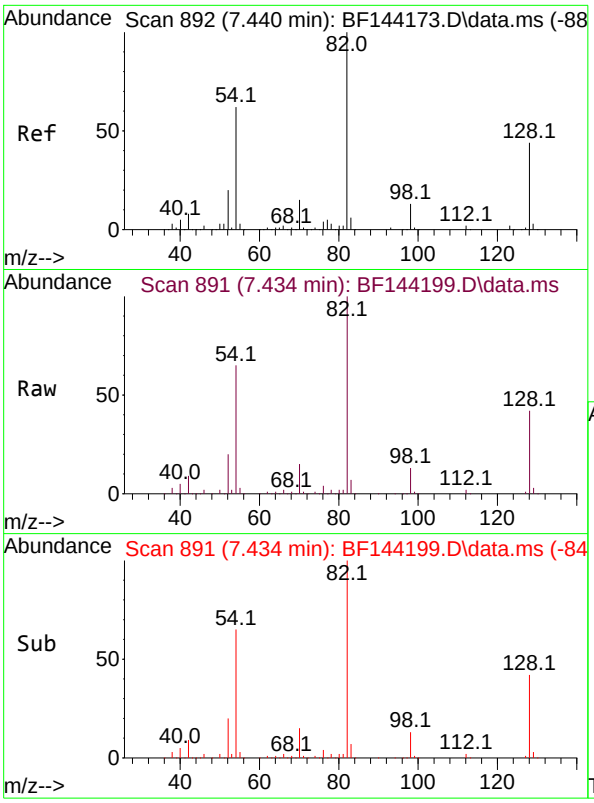




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BF144199.D
Acq: 11 Nov 2025 13:07

Tgt Ion:136 Resp: 308933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.6 | 13.0 |
| 54 | 8.6 | 7.0 | 10.6 |
| 68 | 5.6 | 4.3 | 6.5 |



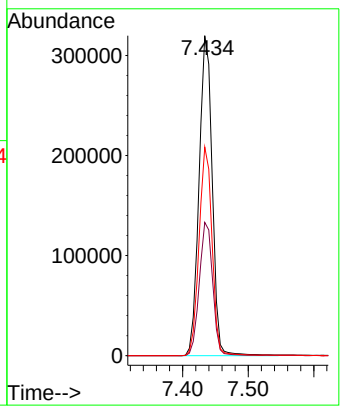


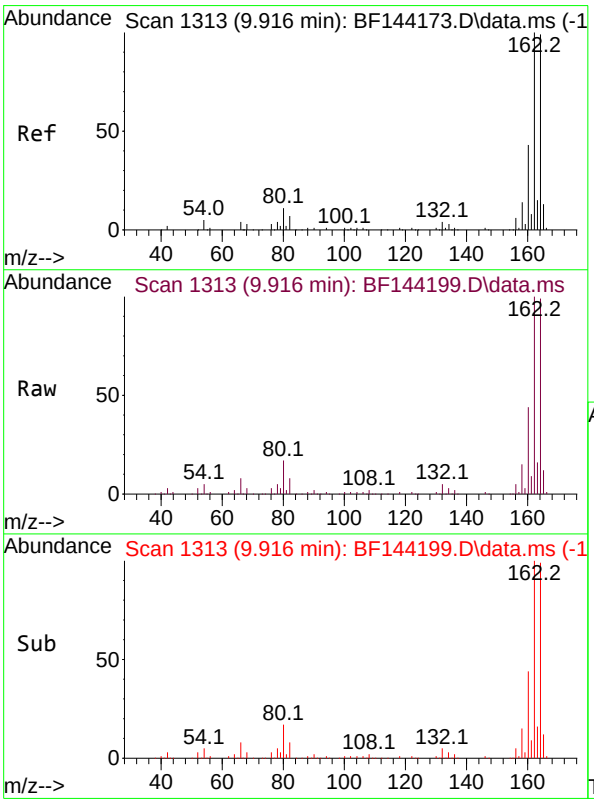

#23
Nitrobenzene-d5
Concen: 83.001 ng
RT: 7.434 min Scan# 89
Delta R.T. 0.000 min
Lab File: BF144199.D
Acq: 11 Nov 2025 13:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB170478BL

Tgt Ion: 82 Resp: 443974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.6 | 34.7 | 52.1 |
| 54 | 65.2 | 49.5 | 74.3 |

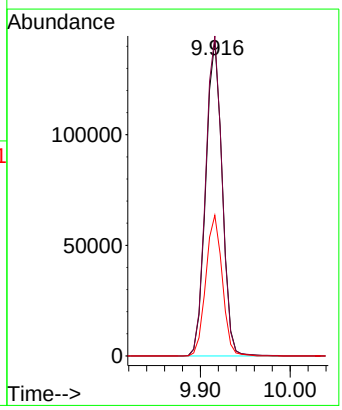


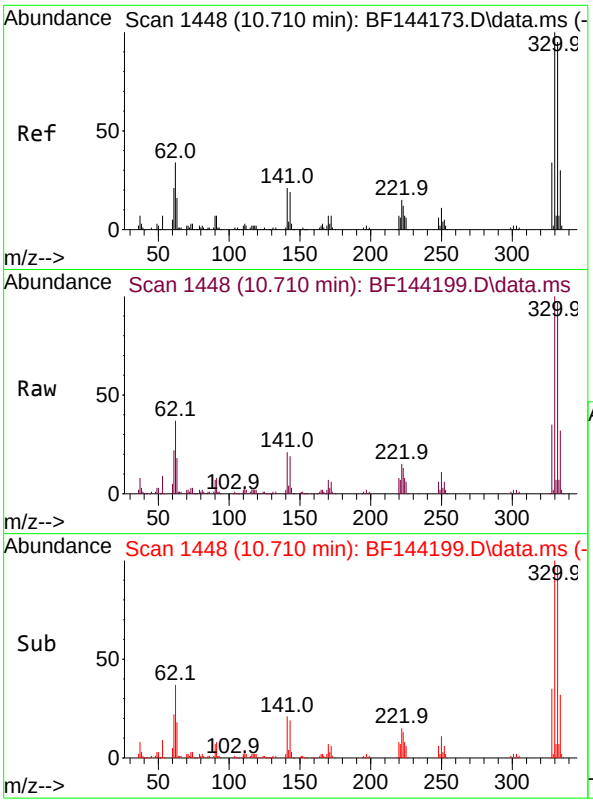




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BF144199.D
Acq: 11 Nov 2025 13:07

Tgt Ion:164 Resp: 180668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.5 | 81.1 | 121.7 |
| 160 | 44.6 | 34.5 | 51.7 |



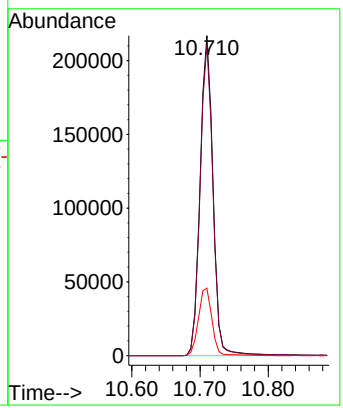


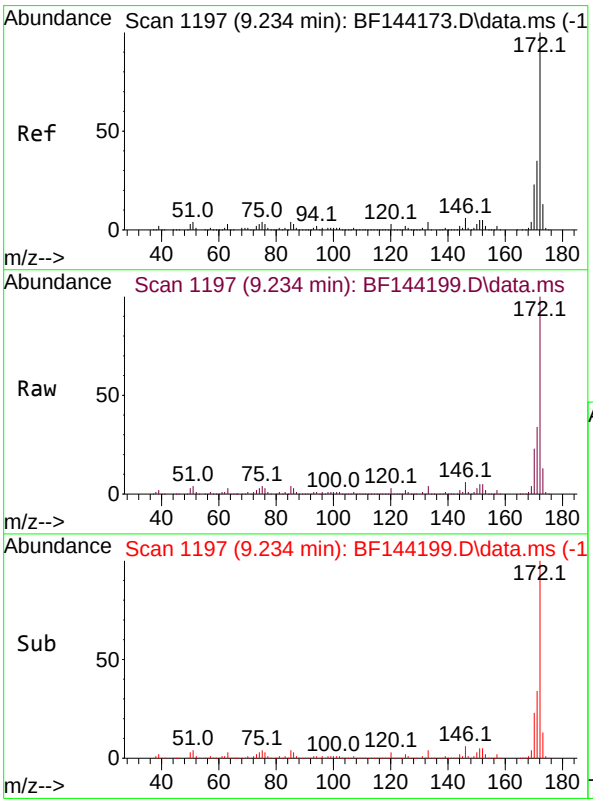

#42
2,4,6-Tribromophenol
Concen: 125.649 ng
RT: 10.710 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF144199.D
Acq: 11 Nov 2025 13:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB170478BL

Tgt Ion:330 Resp: 284869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.7 | 76.7 | 115.1 |
| 141 | 22.2 | 17.8 | 26.8 |

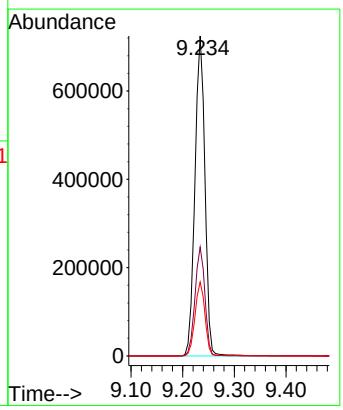


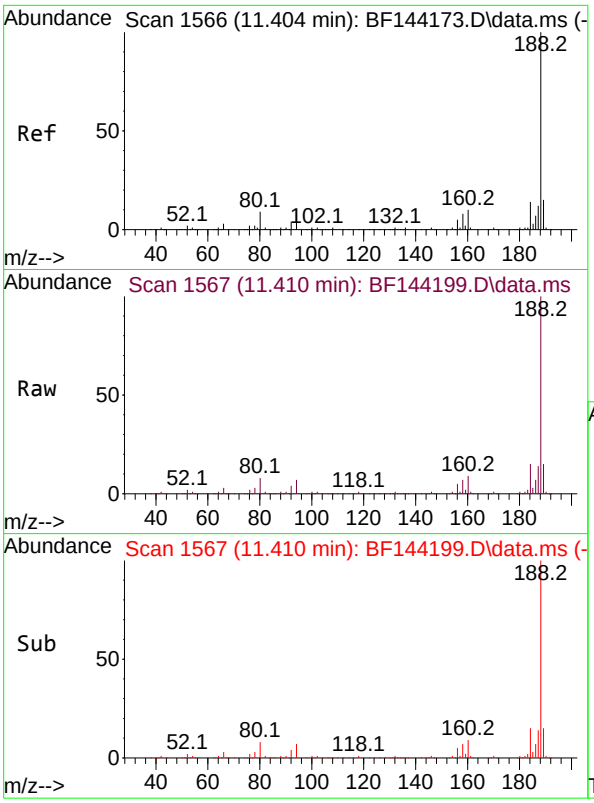




#45
2-Fluorobiphenyl
Concen: 79.780 ng
RT: 9.234 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF144199.D
Acq: 11 Nov 2025 13:07

Tgt Ion:172 Resp: 975916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.0 | 28.1 | 42.1 |
| 170 | 23.1 | 18.6 | 28.0 |



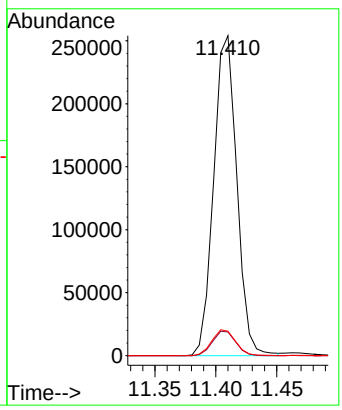


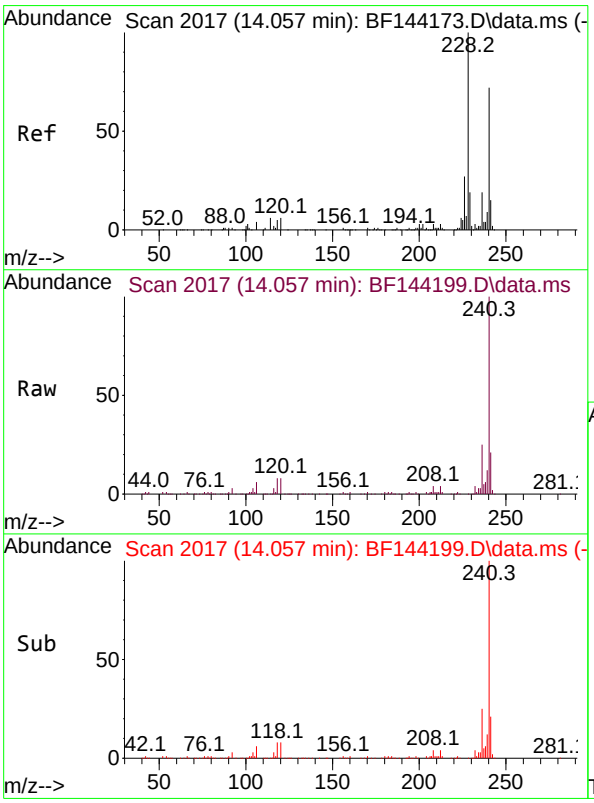

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF144199.D
Acq: 11 Nov 2025 13:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB170478BL

Tgt Ion:188 Resp: 336603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.4 | 6.2 | 9.2 |
| 80 | 7.6 | 6.9 | 10.3 |

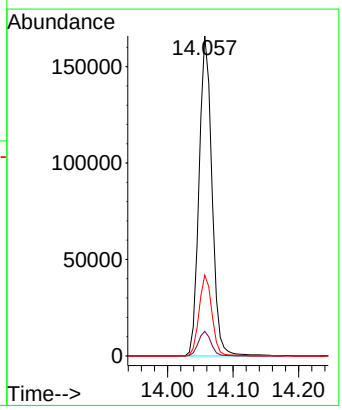


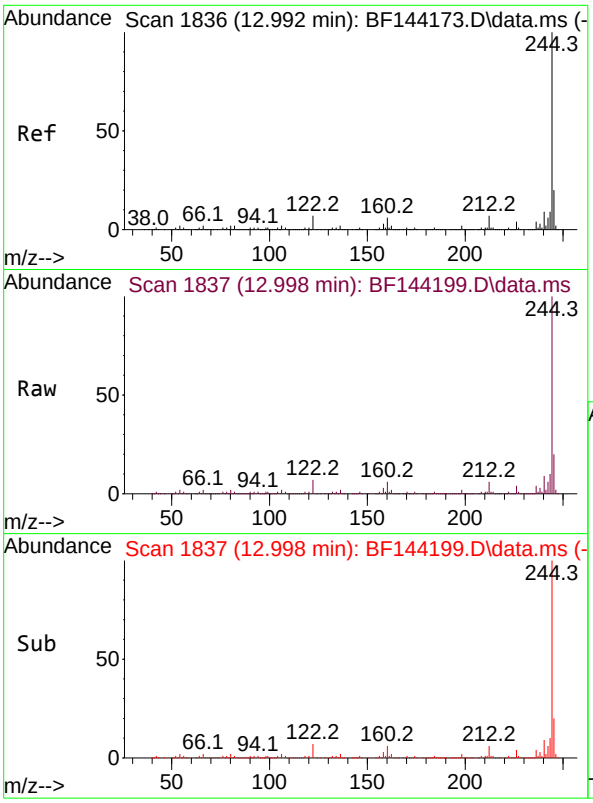




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF144199.D
Acq: 11 Nov 2025 13:07

Tgt Ion:240 Resp: 225293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 7.7 | 6.6 | 10.0 |
| 236 | 25.2 | 21.4 | 32.2 |



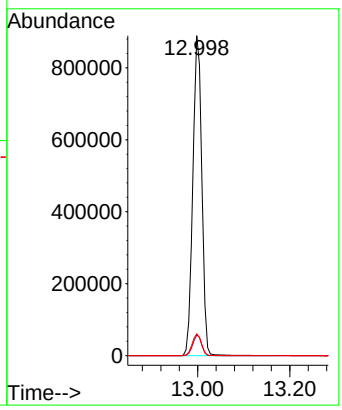


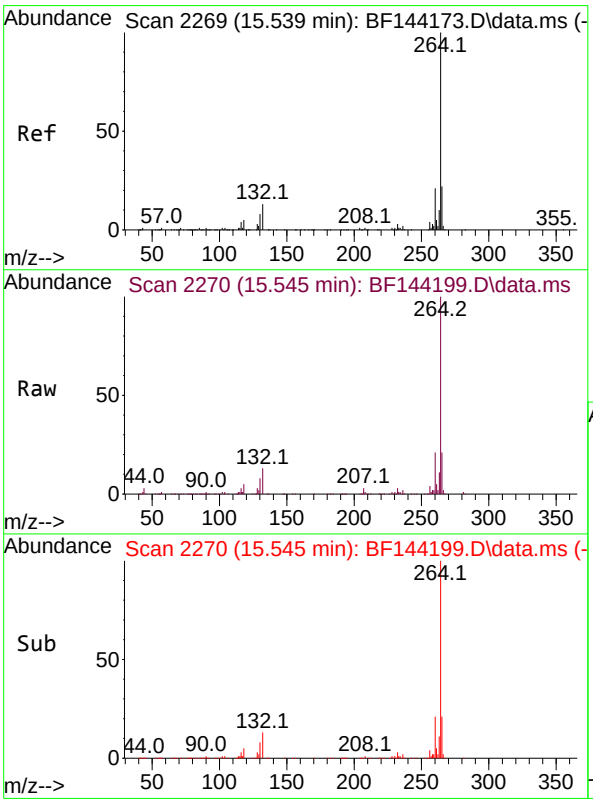

#79
Terphenyl-d14
Concen: 84.526 ng
RT: 12.998 min Scan# 18
Delta R.T. 0.006 min
Lab File: BF144199.D
Acq: 11 Nov 2025 13:07

**Instrument :**
BNA_F
**ClientSampleId :**
PB170478BL

Tgt Ion:244 Resp: 1198876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.4 | 5.3 | 7.9 |
| 122 | 6.8 | 5.6 | 8.4 |

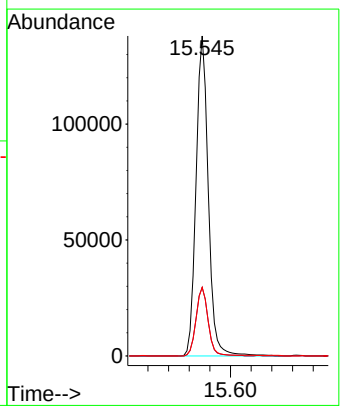



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF144199.D
Acq: 11 Nov 2025 13:07

Tgt Ion:264 Resp: 226985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 21.5 | 17.1 | 25.7 |
| 265 | 21.4 | 17.4 | 26.0 |



Sample Results: **BF144199.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144199.D
Acq On : 11 Nov 2025 13:07
Operator : RC/JU
Sample : PB170478BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB170478BL

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144199.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.122 | 492 | 498 | 509 | rBV | 20029 | 34020 | 1.18% | 0.199% |
| 2 | 5.504 | 557 | 563 | 585 | rBV | 1562184 | 2139432 | 73.95% | 12.514% |
| 3 | 6.504 | 727 | 733 | 752 | rBV | 1571253 | 2187793 | 75.62% | 12.796% |
| 4 | 6.875 | 791 | 796 | 801 | rBV | 378741 | 473668 | 16.37% | 2.770% |
| 5 | 7.434 | 885 | 891 | 907 | rBV | 1005188 | 1391541 | 48.10% | 8.139% |
| 6 | 8.157 | 1008 | 1014 | 1036 | rBV | 461030 | 618079 | 21.36% | 3.615% |
| 7 | 9.234 | 1191 | 1197 | 1202 | rBV | 1998604 | 2646740 | 91.49% | 15.481% |
| 8 | 9.916 | 1307 | 1313 | 1324 | rVB | 582305 | 736319 | 25.45% | 4.307% |
| 9 | 10.710 | 1442 | 1448 | 1466 | rBV | 1374052 | 1850076 | 63.95% | 10.821% |
| 10 | 11.410 | 1561 | 1567 | 1574 | rBV | 595555 | 788852 | 27.27% | 4.614% |
| 11 | 12.998 | 1831 | 1837 | 1843 | rBV | 2168477 | 2893029 | 100.00% | 16.921% |
| 12 | 14.057 | 2012 | 2017 | 2031 | rVB | 417789 | 558312 | 19.30% | 3.266% |
| 13 | 15.545 | 2264 | 2270 | 2281 | rBV | 326081 | 526637 | 18.20% | 3.080% |
| 14 | 17.263 | 2548 | 2562 | 2581 | rBV3 | 49106 | 252473 | 8.73% | 1.477% |

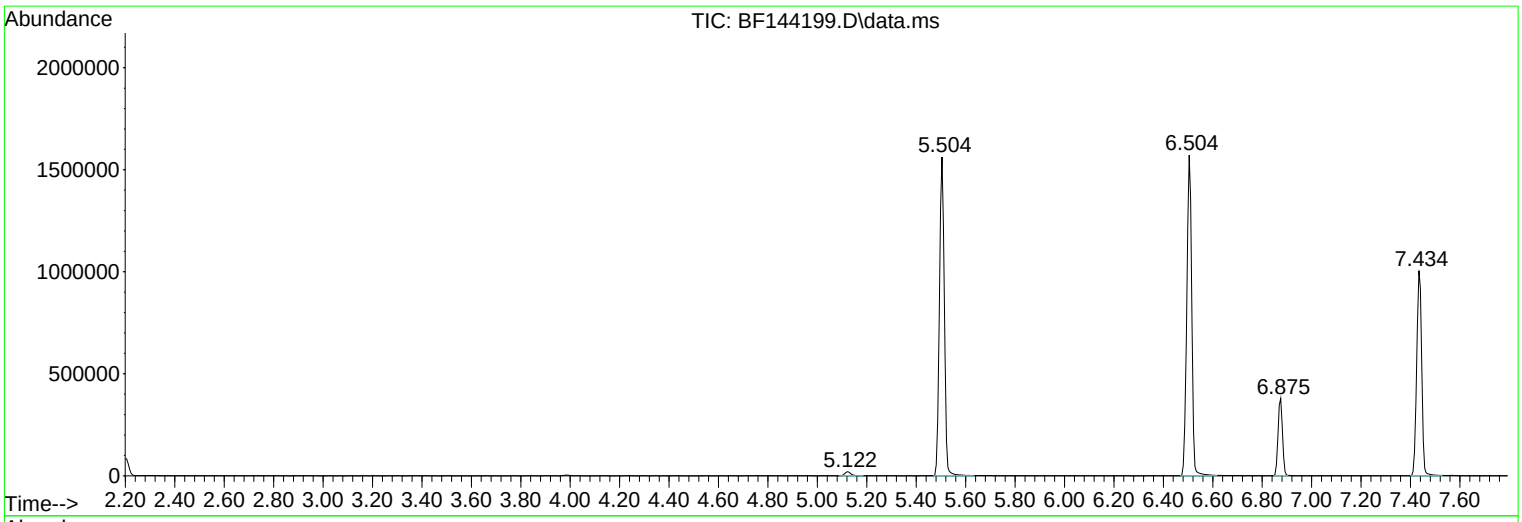
Sum of corrected areas: 17096971

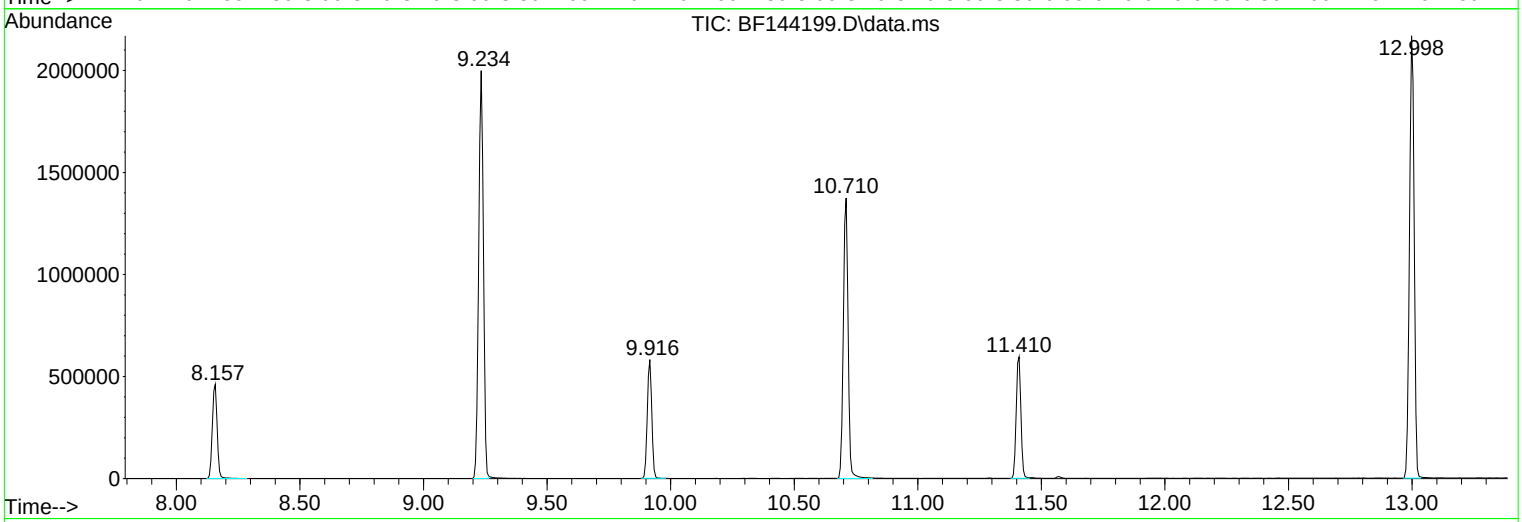
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144199.D
Acq On : 11 Nov 2025 13:07
Operator : RC/JU
Sample : PB170478BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

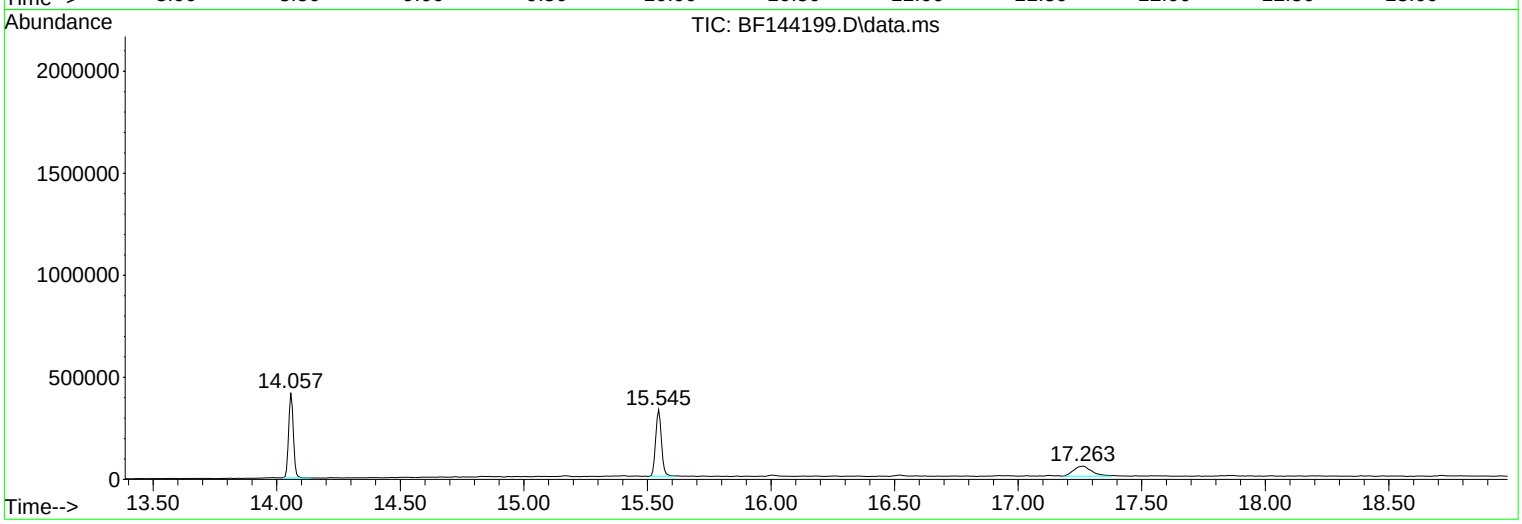
**Instrument :**
BNA_F
**ClientSampleId :**
PB170478BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144199.D
Acq On : 11 Nov 2025 13:07
Operator : RC/JU
Sample : PB170478BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB170478BL

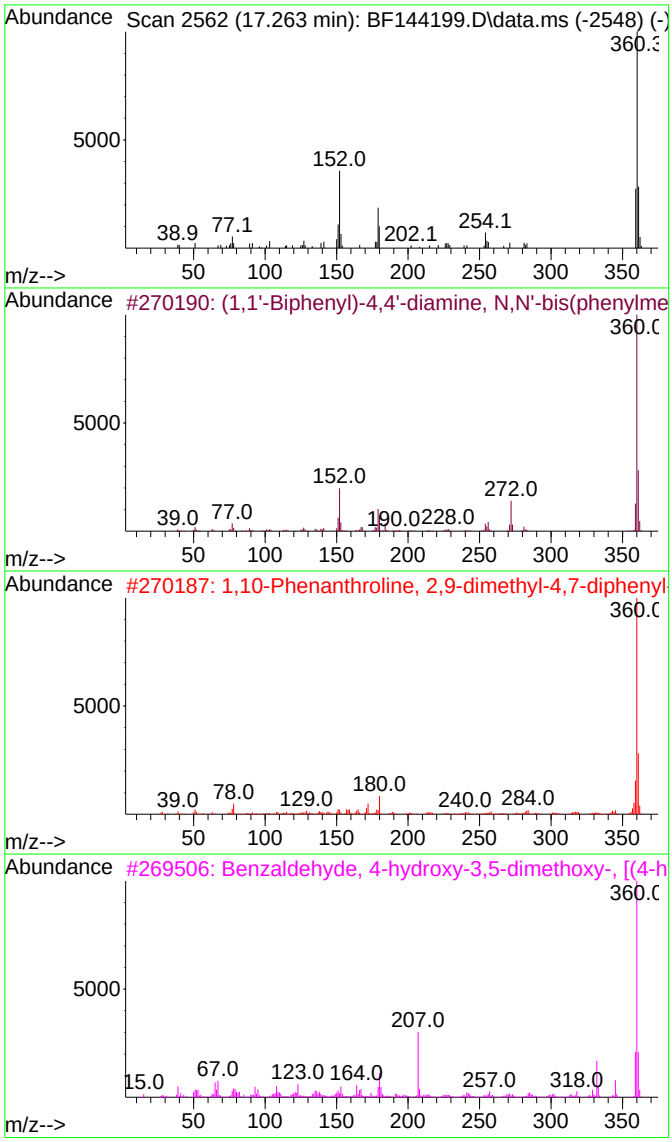
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

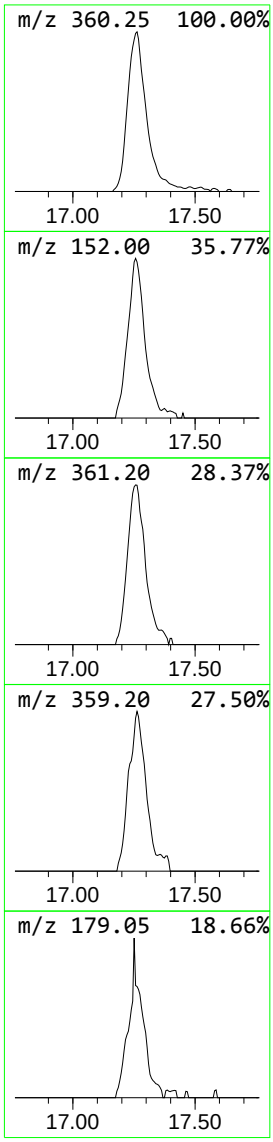
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 (1,1'-Biphenyl)-4,4'-diamin... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.262 | 9.59 ng | 252473 | Perylene-d12 | 15.545 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (1,1'-Biphenyl)-4,4'-diamine, N,... | 360 | C26H20N2 | 006311-48-4 | 93 |
| 2 | 1,10-Phenanthroline, 2,9-dimethy... | 360 | C26H20N2 | 004733-39-5 | 58 |
| 3 | Benzaldehyde, 4-hydroxy-3,5-dime... | 360 | C18H20N2O6 | 014414-32-5 | 53 |
| 4 | N,N'-di-2-Naphthyl-p-phenylenedi... | 360 | C26H20N2 | 000093-46-9 | 52 |
| 5 | 1H-isoindole-1,3(2H)-dione, 2-[5... | 360 | C21H16N2O4 | 1000398-48-8 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144199.D
Acq On : 11 Nov 2025 13:07
Operator : RC/JU
Sample : PB170478BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB170478BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.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 |
| (1,1'-Biphenyl)... | 17.262 | 9.6 | ng | 252473 | 6 | 15.545 | 526637 | 20.0 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144200.D
Acq On : 11 Nov 2025 13:36
Operator : RC/JU
Sample : PB170478BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 11 13:56:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB170478BS

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 75320 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 282587 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 160149 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.410 | 188 | 268017 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.063 | 240 | 166103 | 20.000 | ng | 0.01 |
| 86) Perylene-d12 | 15.545 | 264 | 208533 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.504 | 112 | 551140 | 114.507 | ng | 0.01 |
| 7) Phenol-d6 | 6.510 | 99 | 612261 | 112.265 | ng | 0.01 |
| 23) Nitrobenzene-d5 | 7.439 | 82 | 408124 | 83.412 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 243773 | 121.299 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.233 | 172 | 856486 | 78.987 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.998 | 244 | 866540 | 82.865 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.699 | 88 | 69787 | 35.071 | ng | 96 |
| 3) Pyridine | 3.469 | 79 | 192404 | 34.657 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.410 | 42 | 136976 | 47.235 | ng | 94 |
| 6) Aniline | 6.540 | 93 | 266948 | 34.355 | ng | 94 |
| 8) 2-Chlorophenol | 6.663 | 128 | 202619 | 42.926 | ng | 98 |
| 9) Benzaldehyde | 6.428 | 77 | 100143 | 32.518 | ng | 97 |
| 10) Phenol | 6.522 | 94 | 279333 | 41.921 | ng | 93 |
| 11) bis(2-Chloroethyl)ether | 6.610 | 93 | 208389 | 42.920 | ng | 97 |
| 12) 1,3-Dichlorobenzene | 6.816 | 146 | 241625 | 41.484 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.892 | 146 | 253427 | 43.430 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.045 | 146 | 241447 | 43.169 | ng | 99 |
| 15) Benzyl Alcohol | 7.016 | 79 | 196161 | 45.424 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.145 | 45 | 397303 | 44.436 | ng | 93 |
| 17) 2-Methylphenol | 7.128 | 107 | 162150 | 43.181 | ng | 97 |
| 18) Hexachloroethane | 7.386 | 117 | 83780 | 43.215 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.287 | 70 | 154528 | 43.042 | ng | 94 |
| 20) 3+4-Methylphenols | 7.281 | 107 | 184122 | 41.595 | ng | 93 |
| 22) Acetophenone | 7.287 | 105 | 290309 | 47.889 | ng | 96 |
| 24) Nitrobenzene | 7.457 | 77 | 234871 | 44.211 | ng | 99 |
| 25) Isophorone | 7.698 | 82 | 416737 | 45.029 | ng | 99 |
| 26) 2-Nitrophenol | 7.775 | 139 | 115191 | 43.802 | ng | 96 |
| 27) 2,4-Dimethylphenol | 7.810 | 122 | 190067 | 48.221 | ng | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.904 | 93 | 257957 | 44.634 | ng | 96 |
| 29) 2,4-Dichlorophenol | 8.016 | 162 | 193822 | 42.664 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.098 | 180 | 208428 | 44.679 | ng | 98 |
| 31) Naphthalene | 8.181 | 128 | 585699 | 43.571 | ng | 99 |
| 32) Benzoic acid | 7.939 | 122 | 131726 | 45.592 | ng | 96 |
| 33) 4-Chloroaniline | 8.228 | 127 | 124369 | 25.368 | ng | 99 |
| 34) Hexachlorobutadiene | 8.292 | 225 | 154326 | 43.896 | ng | 99 |
| 35) Caprolactam | 8.598 | 113 | 56688m | 45.546 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.716 | 107 | 182799 | 44.898 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.869 | 142 | 356464 | 39.662 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.969 | 142 | 368954 | 42.546 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.039 | 216 | 246104 | 46.890 | ng | 98 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 197419 | 91.222 | ng | 96 |
| 43) 2,4,6-Trichlorophenol | 9.151 | 196 | 153139 | 42.869 | ng | 100 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144200.D
Acq On : 11 Nov 2025 13:36
Operator : RC/JU
Sample : PB170478BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 11 13:56:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB170478BS

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.198 | 196 | 159933 | 41.540 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.339 | 154 | 524494 | 46.918 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.363 | 162 | 396675 | 41.599 | ng | 98 |
| 48) 2-Nitroaniline | 9.463 | 65 | 126485 | 45.972 | ng | 99 |
| 49) Acenaphthylene | 9.780 | 152 | 629798 | 48.466 | ng | 98 |
| 50) Dimethylphthalate | 9.639 | 163 | 474893 | 44.761 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.704 | 165 | 102027 | 47.505 | ng | 98 |
| 52) Acenaphthene | 9.951 | 154 | 345560 | 39.767 | ng | 98 |
| 53) 3-Nitroaniline | 9.875 | 138 | 72985 | 31.087 | ng | 99 |
| 54) 2,4-Dinitrophenol | 9.986 | 184 | 112309 | 86.597 | ng | 98 |
| 55) Dibenzofuran | 10.122 | 168 | 509223 | 41.842 | ng | 98 |
| 56) 4-Nitrophenol | 10.039 | 139 | 134569 | 79.237 | ng | 93 |
| 57) 2,4-Dinitrotoluene | 10.110 | 165 | 130747 | 45.475 | ng | 93 |
| 58) Fluorene | 10.469 | 166 | 403013 | 43.554 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232 | 124788 | 45.811 | ng | 97 |
| 60) Diethylphthalate | 10.339 | 149 | 442821 | 45.276 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204 | 222229 | 42.162 | ng | 95 |
| 62) 4-Nitroaniline | 10.492 | 138 | 98043 | 43.851 | ng | 98 |
| 63) Azobenzene | 10.622 | 77 | 419160 | 46.050 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198 | 77843 | 42.753 | ng | 97 |
| 66) n-Nitrosodiphenylamine | 10.580 | 169 | 394291 | 45.741 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248 | 151509 | 44.288 | ng | 98 |
| 68) Hexachlorobenzene | 11.016 | 284 | 182575 | 45.310 | ng | 98 |
| 69) Atrazine | 11.104 | 200 | 129589 | 47.271 | ng | 99 |
| 70) Pentachlorophenol | 11.216 | 266 | 188539 | 93.963 | ng | 99 |
| 71) Phenanthrene | 11.433 | 178 | 587824 | 44.051 | ng | 100 |
| 72) Anthracene | 11.486 | 178 | 594138 | 43.787 | ng | 99 |
| 73) Carbazole | 11.639 | 167 | 504944 | 43.764 | ng | 99 |
| 74) Di-n-butylphthalate | 11.969 | 149 | 635124 | 45.535 | ng | 99 |
| 75) Fluoranthene | 12.627 | 202 | 593499 | 43.055 | ng | 99 |
| 77) Benzidine | 12.751 | 184 | 127913 | 26.035 | ng | 99 |
| 78) Pyrene | 12.857 | 202 | 595945 | 44.498 | ng | 99 |
| 80) Butylbenzylphthalate | 13.474 | 149 | 218599 | 47.094 | ng | 97 |
| 81) Benzo(a)anthracene | 14.051 | 228 | 527718 | 45.840 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.010 | 252 | 137930 | 34.954 | ng | 96 |
| 83) Chrysene | 14.086 | 228 | 467136 | 43.956 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149 | 295568 | 46.515 | ng | 97 |
| 85) Di-n-octyl phthalate | 14.645 | 149 | 506010 | 46.155 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 17.056 | 276 | 690764 | 46.145 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.110 | 252 | 612732 | 51.683 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.139 | 252 | 478154 | 43.090 | ng | 99 |
| 90) Benzo(a)pyrene | 15.480 | 252 | 532196 | 48.659 | ng | 98 |
| 91) Dibenzo(a,h)anthracene | 17.068 | 278 | 573506 | 47.705 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.509 | 276 | 584704 | 49.251 | ng | 99 |

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

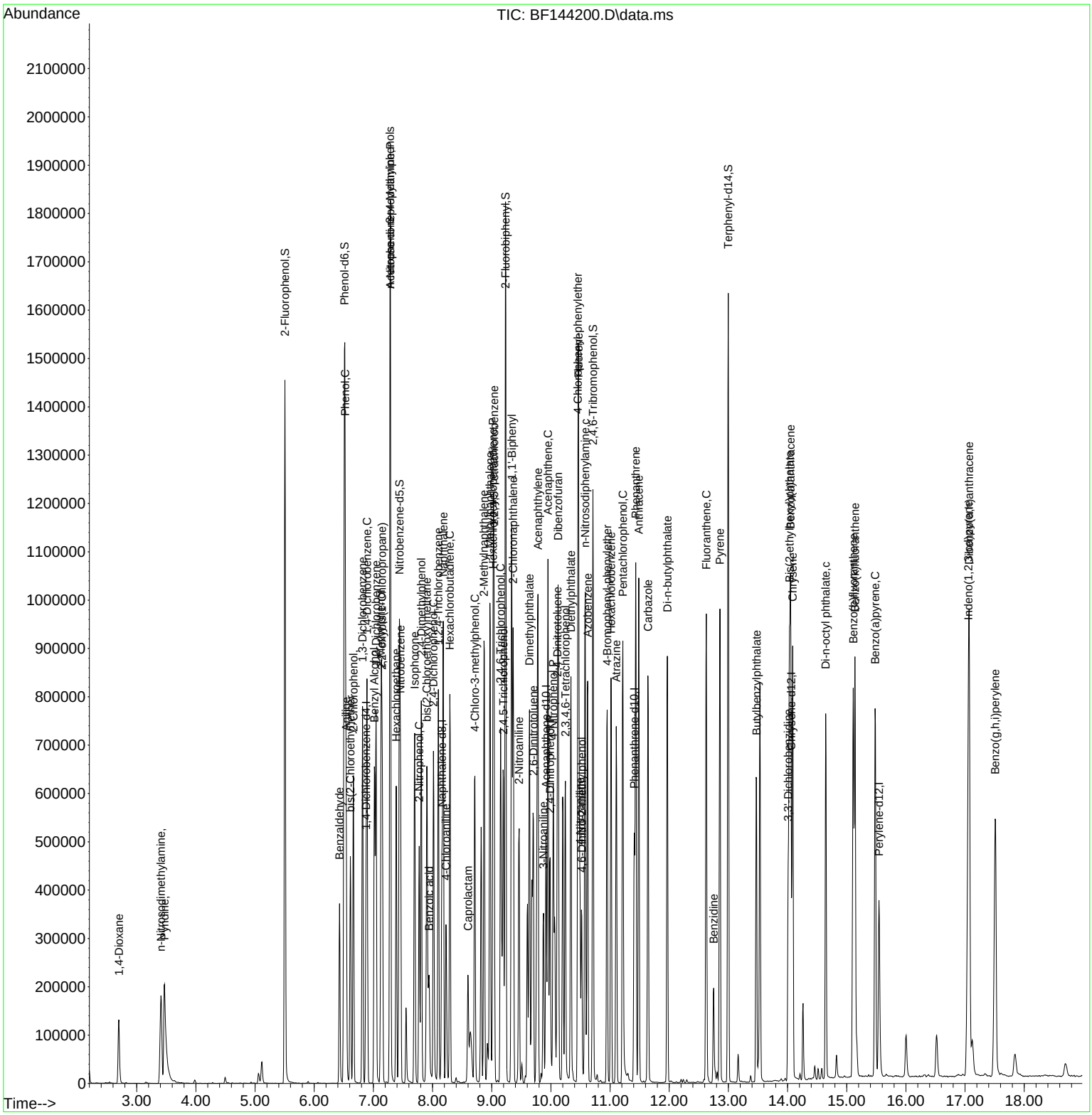
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144200.D
Acq On : 11 Nov 2025 13:36
Operator : RC/JU
Sample : PB170478BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 11 13:56:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB170478BS

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026093.D
Acq On : 11 Nov 2025 16:52
Operator : RC/JU
Sample : Q3586-03MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 11 17:12:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SED-3MS

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.678 | 152 | 296222 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.449 | 136 | 1166343 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.313 | 164 | 745428 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.125 | 188 | 1549759 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.577 | 240 | 1762341 | 20.000 | ng | | 0.01 |
| 86) Perylene-d12 | 24.924 | 264 | 2068063 | 20.000 | ng | | 0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.296 | 112 | 1778196 | 99.054 | ng | | 0.00 |
| 7) Phenol-d6 | 6.849 | 99 | 2260243 | 98.920 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.813 | 82 | 1249195 | 66.768 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.825 | 330 | 939233 | 116.547 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.919 | 172 | 3047663 | 58.748 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.866 | 244 | 5237660 | 60.381 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.225 | 88 | 284762 | 37.628 | ng | | 98 |
| 3) Pyridine | 3.614 | 79 | 786988 | 36.581 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.525 | 42 | 362450 | 42.035 | ng | | 90 |
| 6) Aniline | 7.008 | 93 | 934451 | 30.643 | ng | | 98 |
| 8) 2-Chlorophenol | 7.249 | 128 | 946013 | 47.589 | ng | | 97 |
| 9) Benzaldehyde | 6.819 | 77 | 463796 | 39.047 | ng | | 99 |
| 10) Phenol | 6.878 | 94 | 1148006 | 45.257 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 7.102 | 93 | 833295 | 41.626 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.566 | 146 | 1009516 | 44.220 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.713 | 146 | 1027189 | 44.502 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 8.025 | 146 | 980092 | 44.498 | ng | | 100 |
| 15) Benzyl Alcohol | 7.908 | 79 | 748510 | 45.441 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.202 | 45 | 1165540 | 38.523 | ng | | 98 |
| 17) 2-Methylphenol | 8.113 | 107 | 766752 | 46.161 | ng | | 99 |
| 18) Hexachloroethane | 8.749 | 117 | 355877 | 45.057 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.472 | 70 | 609970 | 43.005 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.431 | 107 | 1042051 | 45.095 | ng | | 98 |
| 22) Acetophenone | 8.484 | 105 | 1300398 | 44.085 | ng | # | 97 |
| 24) Nitrobenzene | 8.855 | 77 | 906907 | 45.910 | ng | | 98 |
| 25) Isophorone | 9.384 | 82 | 1731602 | 43.240 | ng | | 99 |
| 26) 2-Nitrophenol | 9.560 | 139 | 459763 | 62.382 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 9.625 | 122 | 854401 | 50.736 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 9.860 | 93 | 1086520 | 43.051 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.096 | 162 | 868157 | 48.825 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.307 | 180 | 905744 | 46.866 | ng | | 97 |
| 31) Naphthalene | 10.496 | 128 | 2743320 | 43.132 | ng | | 100 |
| 32) Benzoic acid | 9.755 | 122 | 691403 | 61.547 | ng | | 96 |
| 33) 4-Chloroaniline | 10.596 | 127 | 470005 | 19.230 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.790 | 225 | 548423 | 44.654 | ng | | 98 |
| 35) Caprolactam | 11.366 | 113 | 308604 | 49.424 | ng | # | 88 |
| 36) 4-Chloro-3-methylphenol | 11.725 | 107 | 912347 | 48.947 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.113 | 142 | 1770111 | 39.764 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.331 | 142 | 1816726 | 42.008 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.484 | 216 | 1008627 | 43.548 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.472 | 237 | 1120849 | 132.265 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 12.725 | 196 | 708087 | 51.722 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026093.D
Acq On : 11 Nov 2025 16:52
Operator : RC/JU
Sample : Q3586-03MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 11 17:12:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SED-3MS

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 12.790 | 196 | 788989 | 50.507 | ng | | 99 |
| 46) | 1,1'-Biphenyl | 13.131 | 154 | 2485365 | 43.543 | ng | | 99 |
| 47) | 2-Chloronaphthalene | 13.172 | 162 | 1920130 | 42.757 | ng | | 99 |
| 48) | 2-Nitroaniline | 13.372 | 65 | 556442 | 48.138 | ng | | 95 |
| 49) | Acenaphthylene | 14.031 | 152 | 3279242 | 50.100 | ng | | 100 |
| 50) | Dimethylphthalate | 13.766 | 163 | 2430796 | 44.831 | ng | | 100 |
| 51) | 2,6-Dinitrotoluene | 13.878 | 165 | 530255 | 52.105 | ng | | 93 |
| 52) | Acenaphthene | 14.378 | 154 | 1822943 | 40.569 | ng | | 100 |
| 53) | 3-Nitroaniline | 14.201 | 138 | 344027 | 29.253 | ng | # | 96 |
| 54) | 2,4-Dinitrophenol | 14.419 | 184 | 617165 | 110.722 | ng | | 92 |
| 55) | Dibenzofuran | 14.719 | 168 | 2957373 | 43.561 | ng | | 98 |
| 56) | 4-Nitrophenol | 14.525 | 139 | 1117576 | 103.365 | ng | | 94 |
| 57) | 2,4-Dinitrotoluene | 14.678 | 165 | 777166 | 51.982 | ng | | 91 |
| 58) | Fluorene | 15.384 | 166 | 2341092 | 44.015 | ng | | 100 |
| 59) | 2,3,4,6-Tetrachlorophenol | 14.948 | 232 | 699686 | 56.966 | ng | | 98 |
| 60) | Diethylphthalate | 15.160 | 149 | 2469705 | 45.307 | ng | | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 15.384 | 204 | 1137548 | 42.828 | ng | | 98 |
| 62) | 4-Nitroaniline | 15.395 | 138 | 605617 | 52.270 | ng | | 94 |
| 63) | Azobenzene | 15.684 | 77 | 2303527 | 46.628 | ng | | 96 |
| 65) | 4,6-Dinitro-2-methylph... | 15.454 | 198 | 416417 | 61.165 | ng | | 91 |
| 66) | n-Nitrosodiphenylamine | 15.595 | 169 | 2155394 | 44.482 | ng | | 100 |
| 67) | 4-Bromophenyl-phenylether | 16.301 | 248 | 754222 | 43.874 | ng | | 97 |
| 68) | Hexachlorobenzene | 16.419 | 284 | 877752 | 44.852 | ng | | 96 |
| 69) | Atrazine | 16.578 | 200 | 819183 | 50.115 | ng | | 98 |
| 70) | Pentachlorophenol | 16.772 | 266 | 1254838 | 104.976 | ng | | 99 |
| 71) | Phenanthrene | 17.172 | 178 | 3856008 | 42.748 | ng | | 100 |
| 72) | Anthracene | 17.260 | 178 | 3964031 | 44.333 | ng | | 99 |
| 73) | Carbazole | 17.542 | 167 | 3883757 | 45.885 | ng | | 100 |
| 74) | Di-n-butylphthalate | 18.154 | 149 | 4567374 | 48.225 | ng | | 99 |
| 75) | Fluoranthene | 19.266 | 202 | 4810970 | 45.721 | ng | | 98 |
| 77) | Benzidine | 19.460 | 184 | 2760993 | 61.722 | ng | | 99 |
| 78) | Pyrene | 19.642 | 202 | 5019988 | 42.116 | ng | | 99 |
| 80) | Butylbenzylphthalate | 20.607 | 149 | 2238758 | 50.144 | ng | | 99 |
| 81) | Benzo(a)anthracene | 21.560 | 228 | 5361718 | 44.274 | ng | | 100 |
| 82) | 3,3'-Dichlorobenzidine | 21.489 | 252 | 1330753 | 34.105 | ng | | 99 |
| 83) | Chrysene | 21.625 | 228 | 5030796 | 43.854 | ng | | 100 |
| 84) | Bis(2-ethylhexyl)phtha... | 21.525 | 149 | 3357041 | 47.305 | ng | | 99 |
| 85) | Di-n-octyl phthalate | 22.819 | 149 | 5992300 | 57.119 | ng | | 97 |
| 87) | Indeno(1,2,3-cd)pyrene | 28.718 | 276 | 6960277m | 45.588 | ng | | |
| 88) | Benzo(b)fluoranthene | 23.877 | 252 | 5541720 | 43.165 | ng | | 99 |
| 89) | Benzo(k)fluoranthene | 23.948 | 252 | 5709385 | 43.549 | ng | | 99 |
| 90) | Benzo(a)pyrene | 24.771 | 252 | 5501616 | 46.645 | ng | | 99 |
| 91) | Dibenzo(a,h)anthracene | 28.818 | 278 | 5718465 | 46.024 | ng | | 99 |
| 92) | Benzo(g,h,i)perylene | 29.895 | 276 | 5625013 | 47.046 | ng | | 97 |

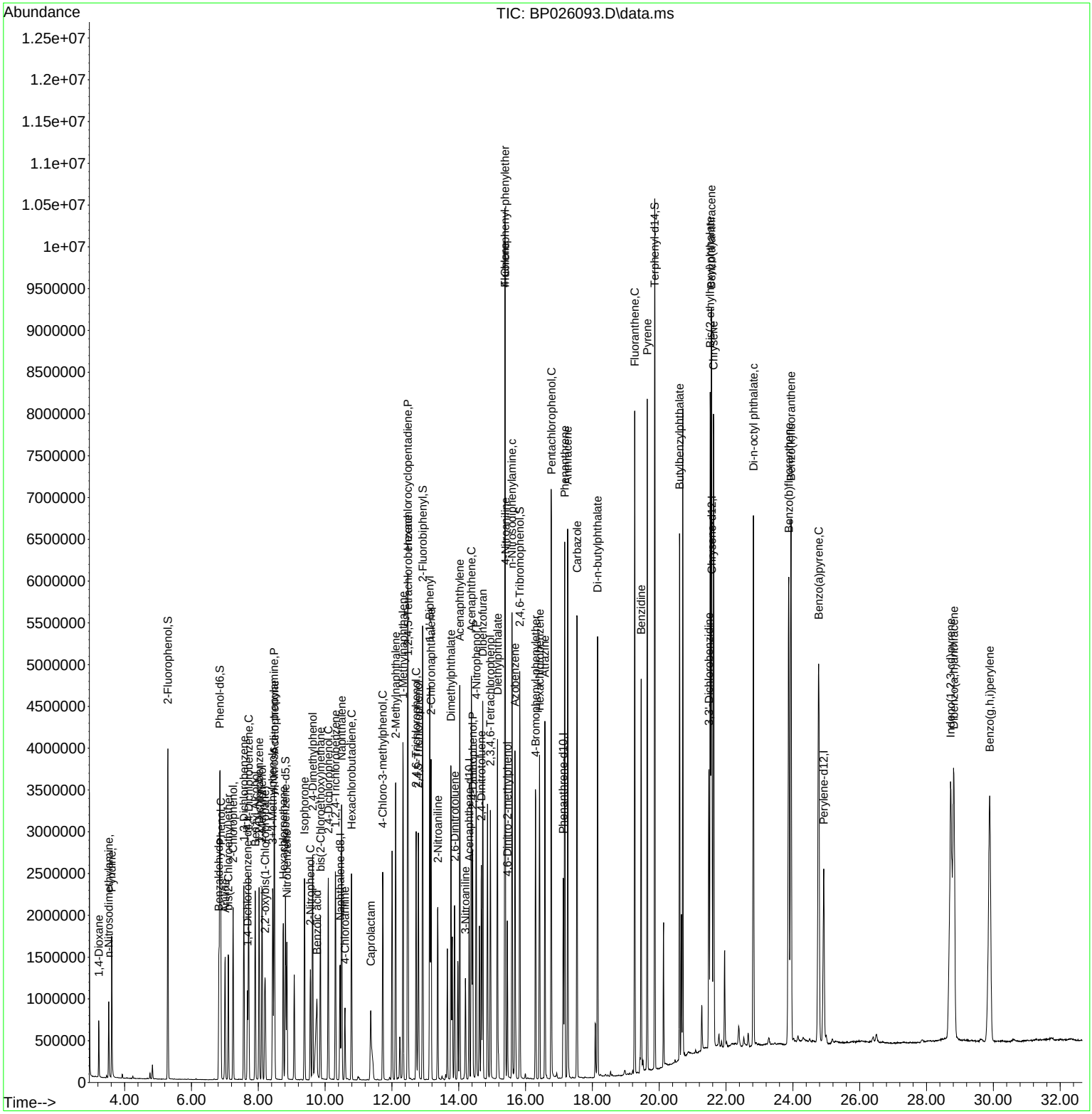
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026093.D
Acq On : 11 Nov 2025 16:52
Operator : RC/JU
Sample : Q3586-03MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 11 17:12:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SED-3MS

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026094.D
Acq On : 11 Nov 2025 17:33
Operator : RC/JU
Sample : Q3586-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 12 01:45:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SED-3MSD

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.672 | 152 | 270854 | 20.000 | ng | -0.02 |
| 21) Naphthalene-d8 | 10.443 | 136 | 1115775 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 14.319 | 164 | 711326 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.130 | 188 | 1435440 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.583 | 240 | 1558558 | 20.000 | ng | 0.02 |
| 86) Perylene-d12 | 24.918 | 264 | 1925500 | 20.000 | ng | 0.04 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.296 | 112 | 1717502 | 104.634 | ng | 0.00 |
| 7) Phenol-d6 | 6.854 | 99 | 2209997 | 105.780 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.819 | 82 | 1219040 | 68.109 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.842 | 330 | 911398 | 118.515 | ng | 0.01 |
| 45) 2-Fluorobiphenyl | 12.925 | 172 | 3055922 | 61.732 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.871 | 244 | 4779744 | 62.307 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.225 | 88 | 261509 | 37.791 | ng | 97 |
| 3) Pyridine | 3.613 | 79 | 725391 | 36.876 | ng | 97 |
| 4) n-Nitrosodimethylamine | 3.525 | 42 | 341300 | 43.290 | ng | 90 |
| 6) Aniline | 7.007 | 93 | 925919 | 33.207 | ng | 98 |
| 8) 2-Chlorophenol | 7.249 | 128 | 922742 | 50.766 | ng | 96 |
| 9) Benzaldehyde | 6.819 | 77 | 442961 | 40.786 | ng | 98 |
| 10) Phenol | 6.878 | 94 | 1128889 | 48.671 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.102 | 93 | 806435 | 44.057 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.572 | 146 | 946954 | 45.365 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 7.707 | 146 | 967002 | 45.818 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 8.019 | 146 | 934651 | 46.409 | ng | 100 |
| 15) Benzyl Alcohol | 7.907 | 79 | 738501 | 49.032 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.207 | 45 | 1115064 | 40.307 | ng | 96 |
| 17) 2-Methylphenol | 8.107 | 107 | 747464 | 49.214 | ng | 99 |
| 18) Hexachloroethane | 8.743 | 117 | 338138 | 46.821 | ng | 100 |
| 19) n-Nitroso-di-n-propyla... | 8.472 | 70 | 601399 | 46.372 | ng | 96 |
| 20) 3+4-Methylphenols | 8.437 | 107 | 1031032 | 48.797 | ng | 99 |
| 22) Acetophenone | 8.484 | 105 | 1282469 | 45.448 | ng | 97 |
| 24) Nitrobenzene | 8.860 | 77 | 882581 | 46.703 | ng | 98 |
| 25) Isophorone | 9.378 | 82 | 1708588 | 44.599 | ng | 100 |
| 26) 2-Nitrophenol | 9.560 | 139 | 453068 | 64.179 | ng | 97 |
| 27) 2,4-Dimethylphenol | 9.631 | 122 | 844212 | 52.403 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.860 | 93 | 1074718 | 44.514 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.090 | 162 | 860362 | 50.580 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.313 | 180 | 876028 | 47.383 | ng | 97 |
| 31) Naphthalene | 10.495 | 128 | 2691629 | 44.237 | ng | 100 |
| 32) Benzoic acid | 9.748 | 122 | 676396 | 62.530 | ng | 96 |
| 33) 4-Chloroaniline | 10.595 | 127 | 414754 | 17.739 | ng | 99 |
| 34) Hexachlorobutadiene | 10.784 | 225 | 530487 | 45.152 | ng | 99 |
| 35) Caprolactam | 11.366 | 113 | 298250m | 49.930 | ng | |
| 36) 4-Chloro-3-methylphenol | 11.731 | 107 | 886927 | 49.739 | ng | 96 |
| 37) 2-Methylnaphthalene | 12.113 | 142 | 1742690 | 40.922 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.337 | 142 | 1788990 | 43.241 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.484 | 216 | 987579 | 44.683 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 12.472 | 237 | 1140129 | 140.990 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 12.731 | 196 | 703674 | 53.864 | ng | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026094.D
Acq On : 11 Nov 2025 17:33
Operator : RC/JU
Sample : Q3586-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 12 01:45:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SED-3MSD

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.795 | 196 | 776825 | 52.112 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.137 | 154 | 2440513 | 44.807 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.178 | 162 | 1896905 | 44.264 | ng | | 98 |
| 48) 2-Nitroaniline | 13.378 | 65 | 551553 | 49.890 | ng | | 96 |
| 49) Acenaphthylene | 14.031 | 152 | 3264189 | 52.261 | ng | | 100 |
| 50) Dimethylphthalate | 13.778 | 163 | 2394255 | 46.274 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.878 | 165 | 518105 | 53.280 | ng | | 96 |
| 52) Acenaphthene | 14.389 | 154 | 2141197 | 49.936 | ng | | 99 |
| 53) 3-Nitroaniline | 14.207 | 138 | 322608 | 28.793 | ng | # | 98 |
| 54) 2,4-Dinitrophenol | 14.425 | 184 | 582738 | 109.954 | ng | | 95 |
| 55) Dibenzofuran | 14.731 | 168 | 2888133 | 44.581 | ng | | 100 |
| 56) 4-Nitrophenol | 14.531 | 139 | 1063004 | 103.031 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 14.678 | 165 | 746671 | 52.315 | ng | | 95 |
| 58) Fluorene | 15.389 | 166 | 2336182 | 46.029 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.954 | 232 | 680080 | 58.025 | ng | | 98 |
| 60) Diethylphthalate | 15.178 | 149 | 2412363 | 46.377 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.389 | 204 | 1129798 | 44.575 | ng | | 99 |
| 62) 4-Nitroaniline | 15.401 | 138 | 575520 | 52.053 | ng | | 96 |
| 63) Azobenzene | 15.689 | 77 | 2243220 | 47.584 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylph... | 15.466 | 198 | 392233 | 61.923 | ng | | 91 |
| 66) n-Nitrosodiphenylamine | 15.601 | 169 | 2087730 | 46.517 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.307 | 248 | 747705 | 46.958 | ng | | 97 |
| 68) Hexachlorobenzene | 16.425 | 284 | 850021 | 46.895 | ng | | 98 |
| 69) Atrazine | 16.595 | 200 | 779928 | 51.514 | ng | | 98 |
| 70) Pentachlorophenol | 16.772 | 266 | 1199329 | 108.323 | ng | | 99 |
| 71) Phenanthrene | 17.177 | 178 | 3738298 | 44.743 | ng | | 100 |
| 72) Anthracene | 17.272 | 178 | 3835185 | 46.308 | ng | | 100 |
| 73) Carbazole | 17.548 | 167 | 3606555 | 46.004 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.154 | 149 | 4293156 | 48.940 | ng | | 100 |
| 75) Fluoranthene | 19.271 | 202 | 4500587 | 46.178 | ng | | 99 |
| 77) Benzidine | 19.460 | 184 | 2562154 | 64.766 | ng | | 99 |
| 78) Pyrene | 19.648 | 202 | 4613557 | 43.767 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.618 | 149 | 2046991 | 51.728 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.565 | 228 | 4914004 | 45.882 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.483 | 252 | 1244227 | 36.057 | ng | | 100 |
| 83) Chrysene | 21.630 | 228 | 4558967 | 44.937 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.530 | 149 | 3019336 | 48.065 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.818 | 149 | 5570128 | 60.037 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 28.712 | 276 | 6728862m | 47.335 | ng | | |
| 88) Benzo(b)fluoranthene | 23.865 | 252 | 5395561 | 45.138 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 23.936 | 252 | 5338585 | 43.736 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.765 | 252 | 5253292 | 47.837 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.800 | 278 | 5505218 | 47.589 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.877 | 276 | 5403461 | 48.540 | ng | | 98 |

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

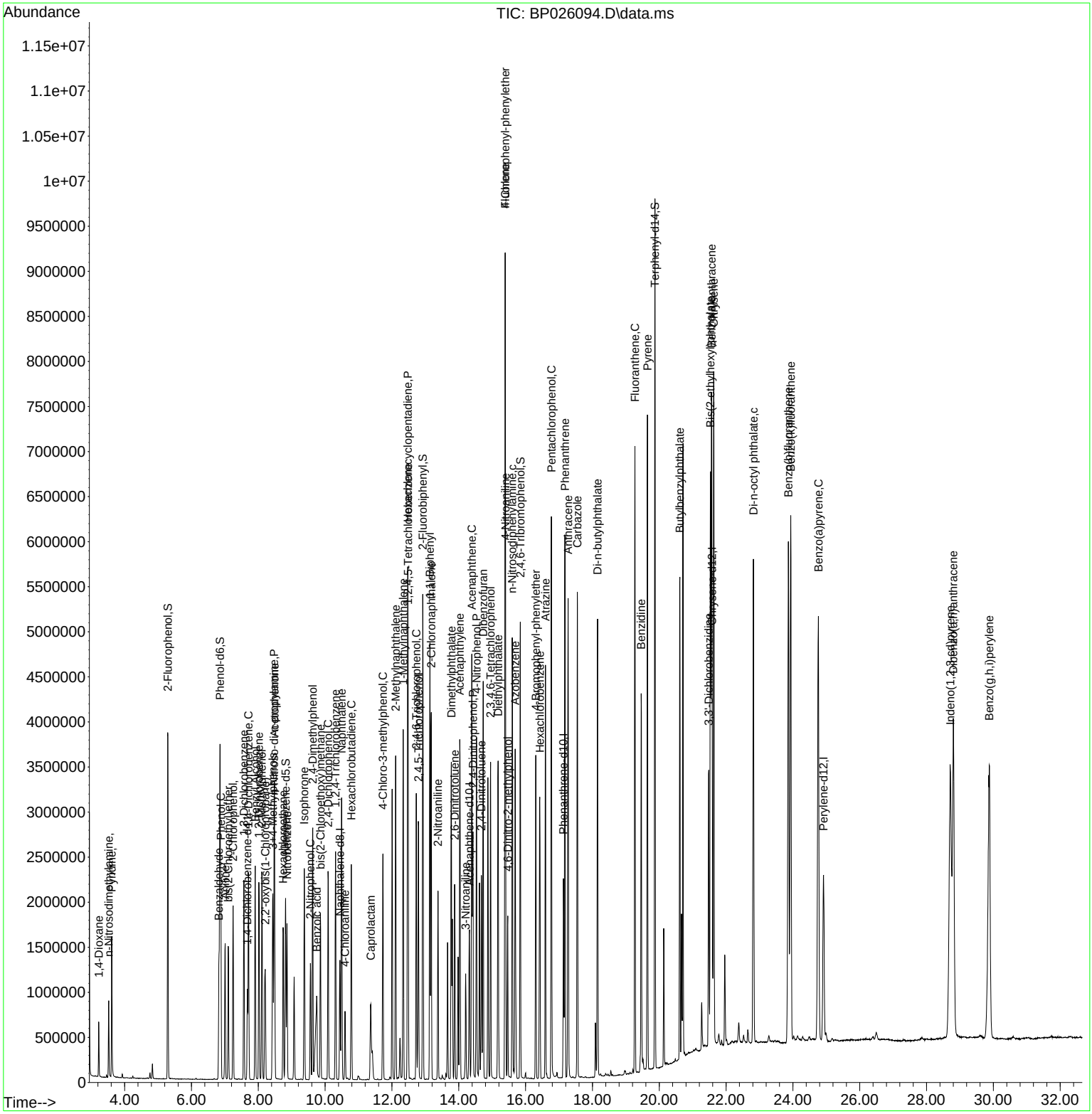
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111125\
Data File : BP026094.D
Acq On : 11 Nov 2025 17:33
Operator : RC/JU
Sample : Q3586-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 12 01:45:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SED-3MSD

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



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

# Manual Integration Report

| Sequence: | BF110525 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDICC005 | BF144170.D | Benzo(b)fluoranthene | rahul | 11/6/2025 8:43:08 AM | Jagrut | 11/6/2025 10:21:01 AM | Peak Integrated by Software |
| SSTDICV040 | BF144177.D | Benzoic acid | rahul | 11/6/2025 8:43:11 AM | Jagrut | 11/6/2025 10:21:04 AM | Peak Integrated by Software |

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

# Manual Integration Report

| Sequence: | BF111125 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| PB170478BS | BF144200.D | Caprolactam | rahul | 11/12/2025 9:18:27 AM | Jagrut | 11/12/2025 11:26:05 AM | Peak Integrated by Software |

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

# Manual Integration Report

| Sequence: | BP102925 | Instrument | BNA_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDICC010 | BP026030.D | Benzaldehyde | rahul | 10/30/2025 8:52:02 AM | Jagrut | 11/4/2025 3:52:40 PM | Peak Integrated by Software |
| SSTDICC010 | BP026030.D | Indeno(1,2,3-cd)pyrene | rahul | 10/30/2025 8:52:02 AM | Jagrut | 11/4/2025 3:52:40 PM | Peak Integrated by Software |
| SSTDICC020 | BP026031.D | Benzaldehyde | rahul | 10/30/2025 8:52:04 AM | Jagrut | 11/4/2025 3:52:42 PM | Peak Integrated by Software |
| SSTDICC020 | BP026031.D | Indeno(1,2,3-cd)pyrene | rahul | 10/30/2025 8:52:04 AM | Jagrut | 11/4/2025 3:52:42 PM | Peak Integrated by Software |
| SSTDICC050 | BP026033.D | Indeno(1,2,3-cd)pyrene | rahul | 10/30/2025 8:52:07 AM | Jagrut | 11/4/2025 3:52:45 PM | Peak Integrated by Software |
| SSTDICC080 | BP026035.D | Indeno(1,2,3-cd)pyrene | rahul | 10/30/2025 8:52:09 AM | Jagrut | 11/4/2025 3:52:47 PM | Peak Integrated by Software |
| SSTDICV040 | BP026036.D | Benzaldehyde | rahul | 10/30/2025 4:44:10 PM | Jagrut | 11/4/2025 3:52:50 PM | Peak Integrated by Software |
| SSTDICV040 | BP026036.D | Indeno(1,2,3-cd)pyrene | rahul | 10/30/2025 4:44:10 PM | Jagrut | 11/4/2025 3:52:50 PM | Peak Integrated by Software |

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

# Manual Integration Report

| Sequence: | BP111125 | Instrument | BNA_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDCCC040 | BP026090.D | Acenaphthene | rahul | 11/12/2025 9:19:43 AM | Jagrut | 11/12/2025 11:21:52 AM | Peak Integrated by Software |
| SSTDCCC040 | BP026090.D | Indeno(1,2,3-cd)pyrene | rahul | 11/12/2025 9:19:43 AM | Jagrut | 11/12/2025 11:21:52 AM | Peak Integrated by Software |
| Q3586-03MS | BP026093.D | Indeno(1,2,3-cd)pyrene | rahul | 11/12/2025 9:19:46 AM | Jagrut | 11/12/2025 11:21:55 AM | Peak Integrated by Software |
| Q3586-03MSD | BP026094.D | Caprolactam | rahul | 11/12/2025 9:19:49 AM | Jagrut | 11/12/2025 11:21:58 AM | Peak Integrated by Software |
| Q3586-03MSD | BP026094.D | Indeno(1,2,3-cd)pyrene | rahul | 11/12/2025 9:19:49 AM | Jagrut | 11/12/2025 11:21:58 AM | Peak Integrated by Software |

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



**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF110525

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/5/2025 2:56:50 PM | | |
| Supervise By | Jagrut | Supervise On | 11/6/2025 10:21:33 AM | | |
| SubDirectory | BF110525 | HP Acquire Method | BNA_F | HP Processing Method | BF110525 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6875 |
| Initial Calibration Stds | SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864 |
| CCC | SP6860 |
| Internal Standard/PEM | S13181,10ul/1000ul sample |
| ICV/I.BLK | SP6872 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF144168.D | 05 Nov 2025 12:21 | RC/JU | Ok |
| 2 | SSTDICC2.5 | BF144169.D | 05 Nov 2025 12:50 | RC/JU | Ok |
| 3 | SSTDICC005 | BF144170.D | 05 Nov 2025 13:20 | RC/JU | Ok,M |
| 4 | SSTDICC010 | BF144171.D | 05 Nov 2025 13:50 | RC/JU | Ok |
| 5 | SSTDICC020 | BF144172.D | 05 Nov 2025 14:20 | RC/JU | Ok |
| 6 | SSTDICCC040 | BF144173.D | 05 Nov 2025 14:50 | RC/JU | Ok |
| 7 | SSTDICC050 | BF144174.D | 05 Nov 2025 15:49 | RC/JU | Ok |
| 8 | SSTDICC060 | BF144175.D | 05 Nov 2025 16:19 | RC/JU | Ok |
| 9 | SSTDICC080 | BF144176.D | 05 Nov 2025 16:49 | RC/JU | Ok |
| 10 | SSTDICV040 | BF144177.D | 05 Nov 2025 17:21 | RC/JU | Ok,M |
| 11 | PB170372BL | BF144178.D | 05 Nov 2025 18:10 | RC/JU | Ok |

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF111125

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/11/2025 2:23:49 PM | | | | |
| Supervise By | Jagrut | Supervise On | 11/12/2025 11:26:42 AM | | | | |
| SubDirectory | BF111125 | HP Acquire Method | BNA_F | | HP Processing Method | BF110525 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6875 |
| Initial Calibration Stds | SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864 |
| CCC | SP6860 |
| Internal Standard/PEM | S13182,10ul/1000ul sample |
| ICV/I.BLK | SP6872 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF144197.D | 11 Nov 2025 09:40 | RC/JU | Ok |
| 2 | SSTDCCC040 | BF144198.D | 11 Nov 2025 10:09 | RC/JU | Ok |
| 3 | PB170478BL | BF144199.D | 11 Nov 2025 13:07 | RC/JU | Ok |
| 4 | PB170478BS | BF144200.D | 11 Nov 2025 13:36 | RC/JU | Ok,M |
| 5 | Q3586-01 | BF144201.D | 11 Nov 2025 14:09 | RC/JU | Ok |
| 6 | Q3584-05 | BF144202.D | 11 Nov 2025 14:39 | RC/JU | Ok |
| 7 | Q3584-02 | BF144203.D | 11 Nov 2025 15:09 | RC/JU | Ok |
| 8 | Q3584-03 | BF144204.D | 11 Nov 2025 15:38 | RC/JU | Ok |
| 9 | Q3584-04 | BF144205.D | 11 Nov 2025 16:07 | RC/JU | Ok |
| 10 | DFTPP | BF144206.D | 11 Nov 2025 17:03 | RC/JU | Ok |
| 11 | SSTDCCC040 | BF144207.D | 11 Nov 2025 17:33 | RC/JU | Ok |
| 12 | PB170462TB | BF144208.D | 11 Nov 2025 18:02 | RC/JU | Ok |
| 13 | Q3581-01 | BF144209.D | 11 Nov 2025 18:31 | RC/JU | Ok |
| 14 | Q3581-03 | BF144210.D | 11 Nov 2025 19:01 | RC/JU | Ok,M |
| 15 | Q3592-01 | BF144211.D | 11 Nov 2025 19:30 | RC/JU | Ok |
| 16 | Q3590-05 | BF144212.D | 11 Nov 2025 20:00 | RC/JU | Ok |
| 17 | Q3598-02 | BF144213.D | 11 Nov 2025 20:29 | RC/JU | Ok |
| 18 | Q3599-02 | BF144214.D | 11 Nov 2025 20:58 | RC/JU | Ok |
| 19 | Q3601-04 | BF144215.D | 11 Nov 2025 21:28 | RC/JU | Ok |
| 20 | Q3601-08 | BF144216.D | 11 Nov 2025 21:57 | RC/JU | Ok |
| 21 | Q3581-05 | BF144217.D | 11 Nov 2025 22:27 | RC/JU | Ok,M |

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF111125

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/11/2025 2:23:49 PM | | |
| Supervise By | Jagrut | Supervise On | 11/12/2025 11:26:42 AM | | |
| SubDirectory | BF111125 | HP Acquire Method | BNA_F | HP Processing Method | BF110525 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6875 |
| Initial Calibration Stds | SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864 |
| CCC | SP6860 |
| Internal Standard/PEM | S13182,10ul/1000ul sample |
| ICV/I.BLK | SP6872 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q3581-07 | BF144218.D | 11 Nov 2025 22:57 | RC/JU | Ok,M |
| 23 | Q3593-08 | BF144219.D | 11 Nov 2025 23:27 | RC/JU | Ok,M |
| 24 | Q3593-10 | BF144220.D | 11 Nov 2025 23:56 | RC/JU | Ok,M |
| 25 | Q3588-01 | BF144221.D | 12 Nov 2025 00:26 | RC/JU | Ok,M |
| 26 | Q3588-03 | BF144222.D | 12 Nov 2025 00:56 | RC/JU | Ok,M |
| 27 | Q3590-01 | BF144223.D | 12 Nov 2025 01:25 | RC/JU | Ok,M |
| 28 | Q3590-03 | BF144224.D | 12 Nov 2025 01:54 | RC/JU | Ok |
| 29 | Q3587-01 | BF144225.D | 12 Nov 2025 02:23 | RC/JU | Ok |
| 30 | Q3582-04 | BF144226.D | 12 Nov 2025 02:52 | RC/JU | Ok,M |
| 31 | Q3593-04 | BF144227.D | 12 Nov 2025 03:22 | RC/JU | Ok |
| 32 | Q3593-06 | BF144228.D | 12 Nov 2025 03:52 | RC/JU | Ok |

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**Instrument ID: BNA_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # BP102925

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 10/30/2025 8:52:33 AM | | |
| Supervise By | Jagrut | Supervise On | 11/4/2025 3:53:07 PM | | |
| SubDirectory | BP102925 | HP Acquire Method | BNA_P | HP Processing Method | BP102925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6875 |
| Initial Calibration Stds | SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864 |
| CCC | SP6860 |
| Internal Standard/PEM | S13180,10ul/1000ul sample |
| ICV/I.BLK | SP6872 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BP026027.D | 29 Oct 2025 08:45 | RC/JU | Ok |
| 2 | SSTDICC2.5 | BP026028.D | 29 Oct 2025 09:26 | RC/JU | Ok |
| 3 | SSTDICC005 | BP026029.D | 29 Oct 2025 10:07 | RC/JU | Ok |
| 4 | SSTDICC010 | BP026030.D | 29 Oct 2025 10:48 | RC/JU | Ok,M |
| 5 | SSTDICC020 | BP026031.D | 29 Oct 2025 11:29 | RC/JU | Ok,M |
| 6 | SSTDICCC040 | BP026032.D | 29 Oct 2025 12:10 | RC/JU | Ok |
| 7 | SSTDICC050 | BP026033.D | 29 Oct 2025 12:51 | RC/JU | Ok,M |
| 8 | SSTDICC060 | BP026034.D | 29 Oct 2025 13:32 | RC/JU | Ok |
| 9 | SSTDICC080 | BP026035.D | 29 Oct 2025 14:13 | RC/JU | Ok,M |
| 10 | SSTDICV040 | BP026036.D | 29 Oct 2025 16:09 | RC/JU | Ok,M |
| 11 | PB170259BL | BP026037.D | 29 Oct 2025 16:50 | RC/JU | Ok |

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**Instrument ID: BNA_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # BP111125

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/12/2025 9:20:40 AM | | |
| Supervise By | Jagrut | Supervise On | 11/12/2025 11:40:52 AM | | |
| SubDirectory | BP111125 | HP Acquire Method | BNA_P | HP Processing Method | BP102925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6875 |
| Initial Calibration Stds | SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864 |
| CCC | SP6860 |
| Internal Standard/PEM | S13182,10ul/1000ul sample |
| ICV/I.BLK | SP6872 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BP026089.D | 11 Nov 2025 14:03 | RC/JU | Ok |
| 2 | SSTDCCC040 | BP026090.D | 11 Nov 2025 14:44 | RC/JU | Ok,M |
| 3 | PB170478BL | BP026091.D | 11 Nov 2025 15:25 | RC/JU | Ok |
| 4 | Q3586-03 | BP026092.D | 11 Nov 2025 16:11 | RC/JU | Ok |
| 5 | Q3586-03MS | BP026093.D | 11 Nov 2025 16:52 | RC/JU | Ok,M |
| 6 | Q3586-03MSD | BP026094.D | 11 Nov 2025 17:33 | RC/JU | Ok,M |
| 7 | Q3569-01 | BP026095.D | 11 Nov 2025 18:14 | RC/JU | Ok,M |
| 8 | Q3569-02 | BP026096.D | 11 Nov 2025 18:55 | RC/JU | Dilution |
| 9 | Q3584-01 | BP026097.D | 11 Nov 2025 19:36 | RC/JU | Ok |
| 10 | Q3586-02 | BP026098.D | 11 Nov 2025 20:18 | RC/JU | Ok |
| 11 | Q3584-07 | BP026099.D | 11 Nov 2025 20:59 | RC/JU | Not Ok |
| 12 | Q3583-04 | BP026100.D | 11 Nov 2025 21:40 | RC/JU | Ok |
| 13 | Q3577-04 | BP026101.D | 11 Nov 2025 22:21 | RC/JU | Ok,M |
| 14 | Q3581-02 | BP026102.D | 11 Nov 2025 23:02 | RC/JU | Ok |
| 15 | Q3581-04 | BP026103.D | 11 Nov 2025 23:43 | RC/JU | Ok |
| 16 | Q3581-06 | BP026104.D | 12 Nov 2025 00:25 | RC/JU | Ok |
| 17 | Q3581-08 | BP026105.D | 12 Nov 2025 01:06 | RC/JU | Ok |
| 18 | Q3601-12 | BP026106.D | 12 Nov 2025 01:47 | RC/JU | Ok |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF110525

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/5/2025 2:56:50 PM | | |
| Supervise By | Jagrut | Supervise On | 11/6/2025 10:21:33 AM | | |
| SubDirectory | BF110525 | HP Acquire Method | BNA_F | HP Processing Method | BF110525 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6875 |
| Initial Calibration Stds | SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864 |
| CCC | SP6860 |
| Internal Standard/PEM | S13181,10ul/1000ul sample |
| ICV/I.BLK | SP6872 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BF144168.D | 05 Nov 2025 12:21 | | RC/JU | Ok |
| 2 | SSTDICC2.5 | SSTDICC2.5 | BF144169.D | 05 Nov 2025 12:50 | | RC/JU | Ok |
| 3 | SSTDICC005 | SSTDICC005 | BF144170.D | 05 Nov 2025 13:20 | | RC/JU | Ok,M |
| 4 | SSTDICC010 | SSTDICC010 | BF144171.D | 05 Nov 2025 13:50 | | RC/JU | Ok |
| 5 | SSTDICC020 | SSTDICC020 | BF144172.D | 05 Nov 2025 14:20 | | RC/JU | Ok |
| 6 | SSTDICCC040 | SSTDICCC040 | BF144173.D | 05 Nov 2025 14:50 | Compound #41 kept on QR | RC/JU | Ok |
| 7 | SSTDICC050 | SSTDICC050 | BF144174.D | 05 Nov 2025 15:49 | | RC/JU | Ok |
| 8 | SSTDICC060 | SSTDICC060 | BF144175.D | 05 Nov 2025 16:19 | | RC/JU | Ok |
| 9 | SSTDICC080 | SSTDICC080 | BF144176.D | 05 Nov 2025 16:49 | | RC/JU | Ok |
| 10 | SSTDICV040 | ICVBF110525 | BF144177.D | 05 Nov 2025 17:21 | | RC/JU | Ok,M |
| 11 | PB170372BL | PB170372BL | BF144178.D | 05 Nov 2025 18:10 | | RC/JU | Ok |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF111125

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/11/2025 2:23:49 PM | | |
| Supervise By | Jagrut | Supervise On | 11/12/2025 11:26:42 AM | | |
| SubDirectory | BF111125 | HP Acquire Method | BNA_F | HP Processing Method | BF110525 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6875 |
| Initial Calibration Stds | SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864 |
| CCC | SP6860 |
| Internal Standard/PEM | S13182,10ul/1000ul sample |
| ICV/I.BLK | SP6872 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BF144197.D | 11 Nov 2025 09:40 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BF144198.D | 11 Nov 2025 10:09 | Comp#9,77 fail from highside | RC/JU | Ok |
| 3 | PB170478BL | PB170478BL | BF144199.D | 11 Nov 2025 13:07 | | RC/JU | Ok |
| 4 | PB170478BS | PB170478BS | BF144200.D | 11 Nov 2025 13:36 | | RC/JU | Ok,M |
| 5 | Q3586-01 | SED-1 | BF144201.D | 11 Nov 2025 14:09 | | RC/JU | Ok |
| 6 | Q3584-05 | FB-2 | BF144202.D | 11 Nov 2025 14:39 | | RC/JU | Ok |
| 7 | Q3584-02 | SW-2 | BF144203.D | 11 Nov 2025 15:09 | | RC/JU | Ok |
| 8 | Q3584-03 | SW-3 | BF144204.D | 11 Nov 2025 15:38 | | RC/JU | Ok |
| 9 | Q3584-04 | EB-2 | BF144205.D | 11 Nov 2025 16:07 | | RC/JU | Ok |
| 10 | DFTPP | DFTPP | BF144206.D | 11 Nov 2025 17:03 | | RC/JU | Ok |
| 11 | SSTDCCC040 | SSTDCCC040 | BF144207.D | 11 Nov 2025 17:33 | Comp#9,77 fail from highside | RC/JU | Ok |
| 12 | PB170462TB | PB170462TB | BF144208.D | 11 Nov 2025 18:02 | | RC/JU | Ok |
| 13 | Q3581-01 | VNJ-238 | BF144209.D | 11 Nov 2025 18:31 | | RC/JU | Ok |
| 14 | Q3581-03 | VNJ-245 | BF144210.D | 11 Nov 2025 19:01 | | RC/JU | Ok,M |
| 15 | Q3592-01 | 11625 | BF144211.D | 11 Nov 2025 19:30 | | RC/JU | Ok |
| 16 | Q3590-05 | MOO-25-0319 | BF144212.D | 11 Nov 2025 20:00 | | RC/JU | Ok |
| 17 | Q3598-02 | EO-CONCRETE | BF144213.D | 11 Nov 2025 20:29 | | RC/JU | Ok |
| 18 | Q3599-02 | LIVINGSTON-SOIL | BF144214.D | 11 Nov 2025 20:58 | | RC/JU | Ok |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF111125

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/11/2025 2:23:49 PM | | |
| Supervise By | Jagrut | Supervise On | 11/12/2025 11:26:42 AM | | |
| SubDirectory | BF111125 | HP Acquire Method | BNA_F | HP Processing Method | BF110525 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6875 |
| Initial Calibration Stds | SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864 |
| CCC | SP6860 |
| Internal Standard/PEM | S13182,10ul/1000ul sample |
| ICV/I.BLK | SP6872 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q3601-04 | TP-1 | BF144215.D | 11 Nov 2025 21:28 | | RC/JU | Ok |
| 20 | Q3601-08 | TP-2 | BF144216.D | 11 Nov 2025 21:57 | | RC/JU | Ok |
| 21 | Q3581-05 | VNJ-240 | BF144217.D | 11 Nov 2025 22:27 | | RC/JU | Ok,M |
| 22 | Q3581-07 | RBR200059 | BF144218.D | 11 Nov 2025 22:57 | | RC/JU | Ok,M |
| 23 | Q3593-08 | C-LAW-25-0156-0166-( | BF144219.D | 11 Nov 2025 23:27 | Internal standard fail. | RC/JU | Ok,M |
| 24 | Q3593-10 | D-LAW-25-0156-0166-( | BF144220.D | 11 Nov 2025 23:56 | | RC/JU | Ok,M |
| 25 | Q3588-01 | TR-06-11072025 | BF144221.D | 12 Nov 2025 00:26 | | RC/JU | Ok,M |
| 26 | Q3588-03 | TR-01-11072025 | BF144222.D | 12 Nov 2025 00:56 | | RC/JU | Ok,M |
| 27 | Q3590-01 | MOO-25-0314-0316-C( | BF144223.D | 12 Nov 2025 01:25 | Internal standard fail. | RC/JU | Ok,M |
| 28 | Q3590-03 | MOO-25-0317-0318-C( | BF144224.D | 12 Nov 2025 01:54 | | RC/JU | Ok |
| 29 | Q3587-01 | NB-08-110725 | BF144225.D | 12 Nov 2025 02:23 | | RC/JU | Ok |
| 30 | Q3582-04 | RT4912 | BF144226.D | 12 Nov 2025 02:52 | Internal standard fail. | RC/JU | Ok,M |
| 31 | Q3593-04 | A-LAW-25-0167-0175-( | BF144227.D | 12 Nov 2025 03:22 | Internal standard fail. | RC/JU | Ok |
| 32 | Q3593-06 | B-LAW-25-0167-0175-( | BF144228.D | 12 Nov 2025 03:52 | internal standard fail | RC/JU | Ok |

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**Instrument ID:** BNA_P

## Daily Analysis Runlog For Sequence/QCBatch ID # BP102925

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 10/30/2025 8:52:33 AM | | |
| Supervise By | Jagrut | Supervise On | 11/4/2025 3:53:07 PM | | |
| SubDirectory | BP102925 | HP Acquire Method | BNA_P | HP Processing Method | BP102925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6875 |
| Initial Calibration Stds | SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864 |
| CCC | SP6860 |
| Internal Standard/PEM | S13180,10ul/1000ul sample |
| ICV/I.BLK | SP6872 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BP026027.D | 29 Oct 2025 08:45 | | RC/JU | Ok |
| 2 | SSTDICC2.5 | SSTDICC2.5 | BP026028.D | 29 Oct 2025 09:26 | | RC/JU | Ok |
| 3 | SSTDICC005 | SSTDICC005 | BP026029.D | 29 Oct 2025 10:07 | | RC/JU | Ok |
| 4 | SSTDICC010 | SSTDICC010 | BP026030.D | 29 Oct 2025 10:48 | | RC/JU | Ok,M |
| 5 | SSTDICC020 | SSTDICC020 | BP026031.D | 29 Oct 2025 11:29 | | RC/JU | Ok,M |
| 6 | SSTDICCC040 | SSTDICCC040 | BP026032.D | 29 Oct 2025 12:10 | Compound #26,48,51,53,57,80,84 are kept on LR & Compound #32,54,65 are kept on QR | RC/JU | Ok |
| 7 | SSTDICC050 | SSTDICC050 | BP026033.D | 29 Oct 2025 12:51 | | RC/JU | Ok,M |
| 8 | SSTDICC060 | SSTDICC060 | BP026034.D | 29 Oct 2025 13:32 | | RC/JU | Ok |
| 9 | SSTDICC080 | SSTDICC080 | BP026035.D | 29 Oct 2025 14:13 | Compound #26 is removed from 80ppm & 60PPM | RC/JU | Ok,M |
| 10 | SSTDICV040 | ICVBP102925 | BP026036.D | 29 Oct 2025 16:09 | | RC/JU | Ok,M |
| 11 | PB170259BL | PB170259BL | BP026037.D | 29 Oct 2025 16:50 | | RC/JU | Ok |

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**Instrument ID:** BNA_P

## Daily Analysis Runlog For Sequence/QCBatch ID # BP111125

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/12/2025 9:20:40 AM | | |
| Supervise By | Jagrut | Supervise On | 11/12/2025 11:40:52 AM | | |
| SubDirectory | BP111125 | HP Acquire Method | BNA_P | HP Processing Method | BP102925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6875 |
| Initial Calibration Stds | SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864 |
| CCC | SP6860 |
| Internal Standard/PEM | S13182,10ul/1000ul sample |
| ICV/I.BLK | SP6872 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BP026089.D | 11 Nov 2025 14:03 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BP026090.D | 11 Nov 2025 14:44 | Compound#26,32,41,42,54,59,65,80,85 failing high | RC/JU | Ok,M |
| 3 | PB170478BL | PB170478BL | BP026091.D | 11 Nov 2025 15:25 | | RC/JU | Ok |
| 4 | Q3586-03 | SED-3 | BP026092.D | 11 Nov 2025 16:11 | | RC/JU | Ok |
| 5 | Q3586-03MS | SED-3MS | BP026093.D | 11 Nov 2025 16:52 | | RC/JU | Ok,M |
| 6 | Q3586-03MSD | SED-3MSD | BP026094.D | 11 Nov 2025 17:33 | | RC/JU | Ok,M |
| 7 | Q3569-01 | MW-2 | BP026095.D | 11 Nov 2025 18:14 | | RC/JU | Ok,M |
| 8 | Q3569-02 | MW-12 | BP026096.D | 11 Nov 2025 18:55 | Need 2X. | RC/JU | Dilution |
| 9 | Q3584-01 | SW-1 | BP026097.D | 11 Nov 2025 19:36 | | RC/JU | Ok |
| 10 | Q3586-02 | SED-2 | BP026098.D | 11 Nov 2025 20:18 | | RC/JU | Ok |
| 11 | Q3584-07 | SEEP-1 | BP026099.D | 11 Nov 2025 20:59 | TYPO- SAMPLE # TO BE CORRECTED | RC/JU | Not Ok |
| 12 | Q3583-04 | CHRT27080 | BP026100.D | 11 Nov 2025 21:40 | | RC/JU | Ok |
| 13 | Q3577-04 | WC-1A | BP026101.D | 11 Nov 2025 22:21 | | RC/JU | Ok,M |
| 14 | Q3581-02 | VNJ-238 | BP026102.D | 11 Nov 2025 23:02 | | RC/JU | Ok |
| 15 | Q3581-04 | VNJ-245 | BP026103.D | 11 Nov 2025 23:43 | | RC/JU | Ok |
| 16 | Q3581-06 | VNJ-240 | BP026104.D | 12 Nov 2025 00:25 | | RC/JU | Ok |
| 17 | Q3581-08 | RBR200059 | BP026105.D | 12 Nov 2025 01:06 | | RC/JU | Ok |

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**Instrument ID:** BNA_P

## Daily Analysis Runlog For Sequence/QCBatch ID # BP111125

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/12/2025 9:20:40 AM | | |
| Supervise By | Jagrut | Supervise On | 11/12/2025 11:40:52 AM | | |
| SubDirectory | BP111125 | HP Acquire Method | BNA_P | HP Processing Method | BP102925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6875 |
| Initial Calibration Stds | SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864 |
| CCC | SP6860 |
| Internal Standard/PEM | S13182,10ul/1000ul sample |
| ICV/I.BLK | SP6872 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Q3601-12 | TP-3 | BP026106.D | 12 Nov 2025 01:47 | | RC/JU | Ok |

M : Manual Integration

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB170478

| | | | | | |
|---|---|---|---|---|---|
| **SOP ID:** | M3541-ASE Extraction-15 | | | | |
| **Clean Up SOP #:** | N/A | | | **Extraction Start Date :** | 11/11/2025 |
| **Matrix :** | Solid | | | **Extraction Start Time :** | 09:28 |
| **Weigh By:** | EH | **Extraction By:** | RJ | **Extraction End Date :** | 11/11/2025 |
| **Balance check:** | EH | **Filter By:** | RJ | **Extraction End Time :** | 12:55 |
| **Balance ID:** | EX-SC-2 | **pH Meter ID:** | N/A | **Concentration By:** | EH |
| **pH Strip Lot#:** | N/A | **Hood ID:** | 3,7 | **Supervisor By :** | RUPESH |

**Extraction Method:** ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

| Standared Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---|---|---|---|
| Spike Sol 1 | 1.0ML | 50/100 PPM | SP6895 |
| Surrogate | 1.0ML | 100/150 PPM | SP6869 |
| 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 | EP2659 |
| Baked Na2SO4 | N/A | EP2655 |
| Sand | N/A | E3951 |
| Methylene Chloride | N/A | E3980 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

**Extraction Conformance/Non-Conformance Comments:**

1.5ML Vial Lot # 2210443.Q3590-01,03,05 used limited volume as samples are Oily Debris + Small particles.

| | | | |
|---|---|---|---|
| **KD Bath ID:** | N/A | **Envap ID:** | N-EVAP-02 |
| **KD Bath Temperature:** | N/A | **Envap Temperature:** | 40 °C |

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 11/11/25 | RS (Ext lab) | JY / SVOC |
| 13:00 | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB170478**

**Analytical Method:** M3541-ASE Extraction-15

**Concentration Date:** 11/11/2025

| Sample ID | Client Sample ID | Test | (g)/ mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB170478BL | SBLK478 | SVOC-TCL BNA -20 | 30.01 | N/A | ritesh | Evelyn | 1 | | | U3-1 |
| PB170478BS | SLCS478 | SVOC-TCL BNA -20 | 30.02 | N/A | ritesh | Evelyn | 1 | | | 2 |
| Q3581-01 | VNJ-238 | SVOC-TCL BNA -20 | 50.02 | N/A | ritesh | Evelyn | 1 | F | | 3 |
| Q3581-03 | VNJ-245 | SVOC-TCL BNA -20 | 50.07 | N/A | ritesh | Evelyn | 1 | F | | 4 |
| Q3581-05 | VNJ-240 | SVOC-TCL BNA -20 | 50.06 | N/A | ritesh | Evelyn | 1 | F | | 5 |
| Q3581-07 | RBR200059 | SVOC-TCL BNA -20 | 50.03 | N/A | ritesh | Evelyn | 1 | F | | 6 |
| Q3582-04 | RT4912 | SVOC-TCL BNA -20 | 50.05 | N/A | ritesh | Evelyn | 1 | F | | U4-1 |
| Q3583-04 | CHRT27080 | SVOC-TCL BNA -20 | 50.07 | N/A | ritesh | Evelyn | 1 | E | Sludge | 2 |
| Q3586-01 | SED-1 | SVOC-TCL BNA -20 | 30.01 | N/A | ritesh | Evelyn | 1 | H | | 3 |
| Q3586-02 | SED-2 | SVOC-TCL BNA -20 | 30.06 | N/A | ritesh | Evelyn | 1 | H | | 4 |
| Q3586-03 | SED-3 | SVOC-TCL BNA -20 | 30.03 | N/A | ritesh | Evelyn | 1 | H | | 5 |
| Q3586-03MS | SED-3MS | SVOC-TCL BNA -20 | 30.05 | N/A | ritesh | Evelyn | 1 | H | | 6 |
| Q3586-03MSD | SED-3MSD | SVOC-TCL BNA -20 | 30.01 | N/A | ritesh | Evelyn | 1 | H | | U6-1 |
| Q3587-01 | NB-08-110725 | SVOC-TCL BNA -20 | 50.05 | N/A | ritesh | Evelyn | 1 | E | | 2 |
| Q3588-01 | TR-06-11072025 | SVOC-TCL BNA -20 | 50.04 | N/A | ritesh | Evelyn | 1 | E | | 3 |
| Q3588-03 | TR-01-11072025 | SVOC-TCL BNA -20 | 50.09 | N/A | ritesh | Evelyn | 1 | E | | 4 |
| Q3590-01 | MOO-25-0314-0316-COMP | SVOC-TCL BNA -20 | 5.04 | N/A | ritesh | Evelyn | 1 | F | Oily Debris + Soil | 5 |
| Q3590-03 | MOO-25-0317-0318-COMP | SVOC-TCL BNA -20 | 5.02 | N/A | ritesh | Evelyn | 1 | E | Oily Debris + Small Particles | 6 |
| Q3590-05 | MOO-25-0319-COMP | SVOC-TCL BNA -20 | 5.03 | N/A | ritesh | Evelyn | 1 | E | Oily Debris | U7-1 |
| Q3592-01 | 11625 | SVOC-PAH | 50.06 | N/A | ritesh | Evelyn | 1 | E | Concrete | 2 |
| Q3593-04 | A-LAW-25-0167-0175-COMP | SVOC-TCL BNA | 50.08 | N/A | ritesh | Evelyn | 1 | E | | 3 |
| Q3593-06 | B-LAW-25-0167-0175-COMP | SVOC-TCL BNA | 50.01 | N/A | ritesh | Evelyn | 1 | E | | 4 |
| Q3593-08 | C-LAW-25-0167-0175-COMP | SVOC-TCL BNA | 50.07 | N/A | ritesh | Evelyn | 1 | E | | 5 |
| Q3593-10 | D-LAW-25-0156-0166-COMP | SVOC-TCL BNA | 50.05 | N/A | ritesh | Evelyn | 1 | E | | 6 |

RS 11/11

* **Extracts relinquished on the same date as received.**

Q3586 9:28

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** Q3582 **WorkList ID :** 193030 **Department :** Extraction **Date :** 11-11-2025 08:17:20

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q3581-01 | VNJ-238 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8270E |
| Q3581-03 | VNJ-245 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8270E |
| Q3581-05 | VNJ-240 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8270E |
| Q3581-07 | RBR200059 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8270E |
| Q3582-04 | RT4912 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | D31 | 11/07/2025 | 8270E |
| Q3583-04 | CHRT27080 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8270E |
| Q3586-01 | SED-1 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | REMI02 | D31 | 11/06/2025 | 8270E |
| Q3586-02 | SED-2 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | REMI02 | D31 | 11/06/2025 | 8270E |
| Q3586-03 | SED-3 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | REMI02 | D31 | 11/06/2025 | 8270E |
| Q3587-01 | NB-08-110725 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG05 | D41 | 11/07/2025 | 8270E |
| Q3588-01 | TR-06-11072025 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG05 | D41 | 11/07/2025 | 8270E |
| Q3588-03 | TR-01-11072025 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG05 | D41 | 11/07/2025 | 8270E |
| Q3590-01 | MOO-25-0314-0316-COMP | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8270E |
| Q3590-03 | MOO-25-0317-0318-COMP | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8270E |
| Q3590-05 | MOO-25-0319-COMP | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8270E |
| Q3592-01 | 11625 | Solid | SVOC-PAH | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8270E |
| Q3593-04 | A-LAW-25-0167-0175-COMP | Solid | SVOC-TCL BNA | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8270E |
| Q3593-06 | B-LAW-25-0167-0175-COMP | Solid | SVOC-TCL BNA | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8270E |
| Q3593-08 | C-LAW-25-0167-0175-COMP | Solid | SVOC-TCL BNA | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8270E |
| Q3593-10 | D-LAW-25-0156-0166-COMP | Solid | SVOC-TCL BNA | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8270E |

317 of 821

**Date/Time** 11/11/25 9:25
**Raw Sample Received by:** RJ (Ex Labs)
**Raw Sample Relinquished by:** SM



**Date/Time** 11/11/25 9:57
**Raw Sample Received by:** SM
**Raw Sample Relinquished by:** RJ (Ex Labs)

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q3586 | **OrderDate:** | 11/7/2025 3:20:00 PM |
| **Client:** | Remington & Vernick Engineers | **Project:** | Edison Landfill |
| **Contact:** | Kyle Carlson | **Location:** | D31 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q3586-01** | **SED-1** | **SOIL** | | | **11/06/25** | | | **11/07/25** |
| | | | SVOC-TCL BNA -20 | 8270E | | 11/11/25 | 11/11/25 | |
| **Q3586-02** | **SED-2** | **SOIL** | | | **11/06/25** | | | **11/07/25** |
| | | | SVOC-TCL BNA -20 | 8270E | | 11/11/25 | 11/11/25 | |
| **Q3586-03** | **SED-3** | **SOIL** | | | **11/06/25** | | | **11/07/25** |
| | | | SVOC-TCL BNA -20 | 8270E | | 11/11/25 | 11/11/25 | |

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# Hit Summary Sheet
## SW-846

**SDG No.:** Q3586 **Order ID:** Q3586

**Client:** Remington & Vernick Engineers **Project ID:** Edison Landfill

| 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: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-1 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-01 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 62.9 |
| Sample Wt/Vol: | 30.03 g | Final Vol: 10000 uL | Test: Pesticide-TCL |
| Prep Method: | SW3541B | Prep Date: 11/11/25 | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 319-84-6 | alpha-BHC | 0.21 | U | 1 | 0.21 | 2.70 | ug/kg | 11/11/25 13:41 | PB170476 |
| 319-85-7 | beta-BHC | 0.29 | U | 1 | 0.29 | 2.70 | ug/kg | 11/11/25 13:41 | PB170476 |
| 319-86-8 | delta-BHC | 0.62 | U | 1 | 0.62 | 2.70 | ug/kg | 11/11/25 13:41 | PB170476 |
| 58-89-9 | gamma-BHC (Lindane) | 0.22 | U | 1 | 0.22 | 2.70 | ug/kg | 11/11/25 13:41 | PB170476 |
| 76-44-8 | Heptachlor | 0.19 | U | 1 | 0.19 | 2.70 | ug/kg | 11/11/25 13:41 | PB170476 |
| 309-00-2 | Aldrin | 0.19 | U | 1 | 0.19 | 2.70 | ug/kg | 11/11/25 13:41 | PB170476 |
| 1024-57-3 | Heptachlor epoxide | 0.30 | U | 1 | 0.30 | 2.70 | ug/kg | 11/11/25 13:41 | PB170476 |
| 959-98-8 | Endosulfan I | 0.22 | U | 1 | 0.22 | 2.70 | ug/kg | 11/11/25 13:41 | PB170476 |
| 60-57-1 | Dieldrin | 0.22 | U | 1 | 0.22 | 2.70 | ug/kg | 11/11/25 13:41 | PB170476 |
| 72-55-9 | 4,4-DDE | 0.22 | U | 1 | 0.22 | 2.70 | ug/kg | 11/11/25 13:41 | PB170476 |
| 72-20-8 | Endrin | 0.22 | U | 1 | 0.22 | 2.70 | ug/kg | 11/11/25 13:41 | PB170476 |
| 33213-65-9 | Endosulfan II | 0.46 | U | 1 | 0.46 | 2.70 | ug/kg | 11/11/25 13:41 | PB170476 |
| 72-54-8 | 4,4-DDD | 0.24 | U | 1 | 0.24 | 2.70 | ug/kg | 11/11/25 13:41 | PB170476 |
| 1031-07-8 | Endosulfan Sulfate | 0.21 | U | 1 | 0.21 | 2.70 | ug/kg | 11/11/25 13:41 | PB170476 |
| 50-29-3 | 4,4-DDT | 0.22 | U | 1 | 0.22 | 2.70 | ug/kg | 11/11/25 13:41 | PB170476 |
| 72-43-5 | Methoxychlor | 0.59 | U | 1 | 0.59 | 2.70 | ug/kg | 11/11/25 13:41 | PB170476 |
| 53494-70-5 | Endrin ketone | 0.30 | U | 1 | 0.30 | 2.70 | ug/kg | 11/11/25 13:41 | PB170476 |
| 7421-93-4 | Endrin aldehyde | 0.59 | U | 1 | 0.59 | 2.70 | ug/kg | 11/11/25 13:41 | PB170476 |
| 5103-71-9 | alpha-Chlordane | 0.19 | U | 1 | 0.19 | 2.70 | ug/kg | 11/11/25 13:41 | PB170476 |
| 5103-74-2 | gamma-Chlordane | 0.24 | U | 1 | 0.24 | 2.70 | ug/kg | 11/11/25 13:41 | PB170476 |
| 8001-35-2 | Toxaphene | 8.60 | U | 1 | 8.60 | 52.4 | ug/kg | 11/11/25 13:41 | PB170476 |
| **SURROGATES** | | | | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 15.5 | | | 30 (10) - 150 (143) | 78% | SPK: 20 | | |
| 877-09-8 | Tetrachloro-m-xylene | 17.2 | | | 30 (10) - 150 (131) | 86% | SPK: 20 | | |

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: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-2 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-02 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 41.4 |
| Sample Wt/Vol: | 30.05 g | Final Vol: 10000 uL | Test: Pesticide-TCL |
| Prep Method: | SW3541B | Prep Date: 11/11/25 | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 319-84-6 | alpha-BHC | 0.31 | U | 1 | 0.31 | 4.10 | ug/kg | 11/11/25 13:55 | PB170476 |
| 319-85-7 | beta-BHC | 0.43 | U | 1 | 0.43 | 4.10 | ug/kg | 11/11/25 13:55 | PB170476 |
| 319-86-8 | delta-BHC | 0.94 | U | 1 | 0.94 | 4.10 | ug/kg | 11/11/25 13:55 | PB170476 |
| 58-89-9 | gamma-BHC (Lindane) | 0.34 | U | 1 | 0.34 | 4.10 | ug/kg | 11/11/25 13:55 | PB170476 |
| 76-44-8 | Heptachlor | 0.29 | U | 1 | 0.29 | 4.10 | ug/kg | 11/11/25 13:55 | PB170476 |
| 309-00-2 | Aldrin | 0.29 | U | 1 | 0.29 | 4.10 | ug/kg | 11/11/25 13:55 | PB170476 |
| 1024-57-3 | Heptachlor epoxide | 0.46 | U | 1 | 0.46 | 4.10 | ug/kg | 11/11/25 13:55 | PB170476 |
| 959-98-8 | Endosulfan I | 0.34 | U | 1 | 0.34 | 4.10 | ug/kg | 11/11/25 13:55 | PB170476 |
| 60-57-1 | Dieldrin | 0.34 | U | 1 | 0.34 | 4.10 | ug/kg | 11/11/25 13:55 | PB170476 |
| 72-55-9 | 4,4-DDE | 0.34 | U | 1 | 0.34 | 4.10 | ug/kg | 11/11/25 13:55 | PB170476 |
| 72-20-8 | Endrin | 0.34 | U | 1 | 0.34 | 4.10 | ug/kg | 11/11/25 13:55 | PB170476 |
| 33213-65-9 | Endosulfan II | 0.70 | U | 1 | 0.70 | 4.10 | ug/kg | 11/11/25 13:55 | PB170476 |
| 72-54-8 | 4,4-DDD | 0.36 | U | 1 | 0.36 | 4.10 | ug/kg | 11/11/25 13:55 | PB170476 |
| 1031-07-8 | Endosulfan Sulfate | 0.31 | U | 1 | 0.31 | 4.10 | ug/kg | 11/11/25 13:55 | PB170476 |
| 50-29-3 | 4,4-DDT | 0.34 | U | 1 | 0.34 | 4.10 | ug/kg | 11/11/25 13:55 | PB170476 |
| 72-43-5 | Methoxychlor | 0.89 | U | 1 | 0.89 | 4.10 | ug/kg | 11/11/25 13:55 | PB170476 |
| 53494-70-5 | Endrin ketone | 0.46 | U | 1 | 0.46 | 4.10 | ug/kg | 11/11/25 13:55 | PB170476 |
| 7421-93-4 | Endrin aldehyde | 0.89 | U | 1 | 0.89 | 4.10 | ug/kg | 11/11/25 13:55 | PB170476 |
| 5103-71-9 | alpha-Chlordane | 0.29 | U | 1 | 0.29 | 4.10 | ug/kg | 11/11/25 13:55 | PB170476 |
| 5103-74-2 | gamma-Chlordane | 0.36 | U | 1 | 0.36 | 4.10 | ug/kg | 11/11/25 13:55 | PB170476 |
| 8001-35-2 | Toxaphene | 13.0 | U | 1 | 13.0 | 79.6 | ug/kg | 11/11/25 13:55 | PB170476 |
| **SURROGATES** | | | | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 5.43 | * | | 30 (10) - 150 (143) | 27% | SPK: 20 | | |
| 877-09-8 | Tetrachloro-m-xylene | 11.9 | | | 30 (10) - 150 (131) | 60% | SPK: 20 | | |

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: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-3 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03 | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 50.9 |
| Sample Wt/Vol: | 30.03 g | Final Vol: 10000 uL | Test: Pesticide-TCL |
| Prep Method: | SW3541B | Prep Date: 11/11/25 | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 319-84-6 | alpha-BHC | 0.26 | U | 1 | 0.26 | 3.30 | ug/kg | 11/11/25 14:09 | PB170476 |
| 319-85-7 | beta-BHC | 0.35 | U | 1 | 0.35 | 3.30 | ug/kg | 11/11/25 14:09 | PB170476 |
| 319-86-8 | delta-BHC | 0.77 | U | 1 | 0.77 | 3.30 | ug/kg | 11/11/25 14:09 | PB170476 |
| 58-89-9 | gamma-BHC (Lindane) | 0.27 | U | 1 | 0.27 | 3.30 | ug/kg | 11/11/25 14:09 | PB170476 |
| 76-44-8 | Heptachlor | 0.24 | U | 1 | 0.24 | 3.30 | ug/kg | 11/11/25 14:09 | PB170476 |
| 309-00-2 | Aldrin | 0.24 | U | 1 | 0.24 | 3.30 | ug/kg | 11/11/25 14:09 | PB170476 |
| 1024-57-3 | Heptachlor epoxide | 0.37 | U | 1 | 0.37 | 3.30 | ug/kg | 11/11/25 14:09 | PB170476 |
| 959-98-8 | Endosulfan I | 0.27 | U | 1 | 0.27 | 3.30 | ug/kg | 11/11/25 14:09 | PB170476 |
| 60-57-1 | Dieldrin | 0.27 | U | 1 | 0.27 | 3.30 | ug/kg | 11/11/25 14:09 | PB170476 |
| 72-55-9 | 4,4-DDE | 0.27 | U | 1 | 0.27 | 3.30 | ug/kg | 11/11/25 14:09 | PB170476 |
| 72-20-8 | Endrin | 0.27 | U | 1 | 0.27 | 3.30 | ug/kg | 11/11/25 14:09 | PB170476 |
| 33213-65-9 | Endosulfan II | 0.57 | U | 1 | 0.57 | 3.30 | ug/kg | 11/11/25 14:09 | PB170476 |
| 72-54-8 | 4,4-DDD | 0.29 | U | 1 | 0.29 | 3.30 | ug/kg | 11/11/25 14:09 | PB170476 |
| 1031-07-8 | Endosulfan Sulfate | 0.26 | U | 1 | 0.26 | 3.30 | ug/kg | 11/11/25 14:09 | PB170476 |
| 50-29-3 | 4,4-DDT | 0.27 | U | 1 | 0.27 | 3.30 | ug/kg | 11/11/25 14:09 | PB170476 |
| 72-43-5 | Methoxychlor | 0.73 | U | 1 | 0.73 | 3.30 | ug/kg | 11/11/25 14:09 | PB170476 |
| 53494-70-5 | Endrin ketone | 0.37 | U | 1 | 0.37 | 3.30 | ug/kg | 11/11/25 14:09 | PB170476 |
| 7421-93-4 | Endrin aldehyde | 0.73 | U | 1 | 0.73 | 3.30 | ug/kg | 11/11/25 14:09 | PB170476 |
| 5103-71-9 | alpha-Chlordane | 0.24 | U | 1 | 0.24 | 3.30 | ug/kg | 11/11/25 14:09 | PB170476 |
| 5103-74-2 | gamma-Chlordane | 0.29 | U | 1 | 0.29 | 3.30 | ug/kg | 11/11/25 14:09 | PB170476 |
| 8001-35-2 | Toxaphene | 10.6 | U | 1 | 10.6 | 64.8 | ug/kg | 11/11/25 14:09 | PB170476 |
| **SURROGATES** | | | | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 13.9 | | | 30 (10) - 150 (143) | 70% | SPK: 20 | | |
| 877-09-8 | Tetrachloro-m-xylene | 16.1 | | | 30 (10) - 150 (131) | 80% | SPK: 20 | | |

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

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

# QC SUMMARY

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



## Surrogate Summary

**SDG No.:** Q3586

**Client:** Remington & Vernick Engineers

**Analytical Method:** 8081B

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Recovery(%) | Qual | Limits(%) Low | Limits(%) High |
|---|---|---|---|---|---|---|---|---|---|
| I.BLK-PD090647.D | PIBLK-PD090647.D | Decachlorobiphen | 1 | 20 | 21.3 | 106 | | 30 (31) | 150 (149) |
| | | Tetrachloro-m-xyl | 1 | 20 | 19.4 | 97 | | 30 (41) | 150 (134) |
| | | Decachlorobiphen | 2 | 20 | 20.3 | 102 | | 30 (31) | 150 (149) |
| | | Tetrachloro-m-xyl | 2 | 20 | 20.0 | 100 | | 30 (41) | 150 (134) |
| I.BLK-PD091050.D | PIBLK-PD091050.D | Decachlorobiphen | 1 | 20 | 20.4 | 102 | | 30 (31) | 150 (149) |
| | | Tetrachloro-m-xyl | 1 | 20 | 21.1 | 105 | | 30 (41) | 150 (134) |
| | | Decachlorobiphen | 2 | 20 | 23.7 | 119 | | 30 (31) | 150 (149) |
| | | Tetrachloro-m-xyl | 2 | 20 | 24.7 | 123 | | 30 (41) | 150 (134) |
| Q3586-01 | SED-1 | Decachlorobiphen | 1 | 20 | 13.9 | 69 | | 30 (10) | 150 (143) |
| | | Tetrachloro-m-xyl | 1 | 20 | 14.9 | 74 | | 30 (10) | 150 (131) |
| | | Decachlorobiphen | 2 | 20 | 15.5 | 78 | | 30 (10) | 150 (143) |
| | | Tetrachloro-m-xyl | 2 | 20 | 17.2 | 86 | | 30 (10) | 150 (131) |
| Q3586-02 | SED-2 | Decachlorobiphen | 1 | 20 | 4.97 | 25 | * | 30 (10) | 150 (143) |
| | | Tetrachloro-m-xyl | 1 | 20 | 10.3 | 52 | | 30 (10) | 150 (131) |
| | | Decachlorobiphen | 2 | 20 | 5.43 | 27 | * | 30 (10) | 150 (143) |
| | | Tetrachloro-m-xyl | 2 | 20 | 11.9 | 60 | | 30 (10) | 150 (131) |
| Q3586-03 | SED-3 | Decachlorobiphen | 1 | 20 | 12.7 | 63 | | 30 (10) | 150 (143) |
| | | Tetrachloro-m-xyl | 1 | 20 | 14.1 | 71 | | 30 (10) | 150 (131) |
| | | Decachlorobiphen | 2 | 20 | 13.9 | 70 | | 30 (10) | 150 (143) |
| | | Tetrachloro-m-xyl | 2 | 20 | 16.1 | 80 | | 30 (10) | 150 (131) |
| Q3586-03MS | SED-3MS | Decachlorobiphen | 1 | 20 | 14.5 | 73 | | 30 (10) | 150 (143) |
| | | Tetrachloro-m-xyl | 1 | 20 | 14.3 | 72 | | 30 (10) | 150 (131) |
| | | Decachlorobiphen | 2 | 20 | 16.4 | 82 | | 30 (10) | 150 (143) |
| | | Tetrachloro-m-xyl | 2 | 20 | 17.0 | 85 | | 30 (10) | 150 (131) |
| Q3586-03MSD | SED-3MSD | Decachlorobiphen | 1 | 20 | 14.7 | 73 | | 30 (10) | 150 (143) |
| | | Tetrachloro-m-xyl | 1 | 20 | 14.9 | 74 | | 30 (10) | 150 (131) |
| | | Decachlorobiphen | 2 | 20 | 16.6 | 83 | | 30 (10) | 150 (143) |
| | | Tetrachloro-m-xyl | 2 | 20 | 17.3 | 86 | | 30 (10) | 150 (131) |
| I.BLK-PD091067.D | PIBLK-PD091067.D | Decachlorobiphen | 1 | 20 | 19.8 | 99 | | 30 (31) | 150 (149) |
| | | Tetrachloro-m-xyl | 1 | 20 | 20.5 | 103 | | 30 (41) | 150 (134) |
| | | Decachlorobiphen | 2 | 20 | 19.9 | 100 | | 30 (31) | 150 (149) |
| | | Tetrachloro-m-xyl | 2 | 20 | 23.2 | 116 | | 30 (41) | 150 (134) |
| I.BLK-PD091081.D | PIBLK-PD091081.D | Decachlorobiphen | 1 | 20 | 21.9 | 109 | | 30 (31) | 150 (149) |
| | | Tetrachloro-m-xyl | 1 | 20 | 21.8 | 109 | | 30 (41) | 150 (134) |
| | | Decachlorobiphen | 2 | 20 | 27.4 | 137 | | 30 (31) | 150 (149) |
| | | Tetrachloro-m-xyl | 2 | 20 | 25.6 | 128 | | 30 (41) | 150 (134) |
| PB170476BL | PB170476BL | Decachlorobiphen | 1 | 20 | 18.9 | 94 | | 30 (10) | 150 (143) |
| | | Tetrachloro-m-xyl | 1 | 20 | 18.6 | 93 | | 30 (10) | 150 (131) |
| | | Decachlorobiphen | 2 | 20 | 23.4 | 117 | | 30 (10) | 150 (143) |
| | | Tetrachloro-m-xyl | 2 | 20 | 21.6 | 108 | | 30 (10) | 150 (131) |
| PB170476BS | PB170476BS | Decachlorobiphen | 1 | 20 | 22.7 | 113 | | 30 (10) | 150 (143) |

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



## Surrogate Summary

**SDG No.:** Q3586

**Client:** Remington & Vernick Engineers

**Analytical Method:** 8081B

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Recovery(%) | Qual | Limits(%) Low | Limits(%) High |
|---|---|---|---|---|---|---|---|---|---|
| PB170476BS | PB170476BS | Tetrachloro-m-xyl | 1 | 20 | 22.9 | 115 | | 30 (10) | 150 (131) |
| | | Decachlorobiphen | 2 | 20 | 28.4 | 142 | | 30 (10) | 150 (143) |
| | | Tetrachloro-m-xyl | 2 | 20 | 26.0 | 130 | | 30 (10) | 150 (131) |
| I.BLK-PD091104.D | PIBLK-PD091104.D | Decachlorobiphen | 1 | 20 | 21.7 | 108 | | 30 (31) | 150 (149) |
| | | Tetrachloro-m-xyl | 1 | 20 | 22.0 | 110 | | 30 (41) | 150 (134) |
| | | Decachlorobiphen | 2 | 20 | 25.9 | 130 | | 30 (31) | 150 (149) |
| | | Tetrachloro-m-xyl | 2 | 20 | 24.7 | 124 | | 30 (41) | 150 (134) |

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Fax : 908 789 8922



## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q3586 **Analytical Method:** 8081B

**Client:** Remington & Vernick Engineers **DataFile :** PD091062.D

| | Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID:** | **Q3586-03MS (Column 1)** | **Client Sample ID:** | | **SED-3MS** | | | | | | | | |
| | alpha-BHC | 32.67 | 0 | 31.0 | ug/kg | 95 | | | | 30 (60) | 150 (144) | |
| | beta-BHC | 32.67 | 0 | 30.8 | ug/kg | 94 | | | | 30 (54) | 150 (143) | |
| | delta-BHC | 32.67 | 0 | 31.3 | ug/kg | 96 | | | | 30 (47) | 150 (129) | |
| | gamma-BHC (Lindane) | 32.67 | 0 | 30.5 | ug/kg | 93 | | | | 30 (39) | 150 (136) | |
| | Heptachlor | 32.67 | 0 | 37.2 | ug/kg | 114 | | | | 30 (33) | 150 (148) | |
| | Aldrin | 32.67 | 0 | 30.6 | ug/kg | 94 | | | | 30 (38) | 150 (139) | |
| | Heptachlor epoxide | 32.67 | 0 | 30.5 | ug/kg | 93 | | | | 30 (23) | 150 (155) | |
| | Endosulfan I | 32.67 | 0 | 30.2 | ug/kg | 92 | | | | 30 (30) | 150 (142) | |
| | Dieldrin | 32.67 | 0 | 30.4 | ug/kg | 93 | | | | 30 (32) | 150 (140) | |
| | 4,4'-DDE | 32.67 | 0 | 29.8 | ug/kg | 91 | | | | 30 (20) | 150 (156) | |
| | Endrin | 32.67 | 0 | 29.9 | ug/kg | 92 | | | | 30 (57) | 150 (139) | |
| | Endosulfan II | 32.67 | 0 | 29.2 | ug/kg | 89 | | | | 30 (41) | 150 (125) | |
| | 4,4'-DDD | 32.67 | 0 | 31.7 | ug/kg | 97 | | | | 30 (47) | 150 (163) | |
| | Endosulfan sulfate | 32.67 | 0 | 29.4 | ug/kg | 90 | | | | 30 (43) | 150 (125) | |
| | 4,4'-DDT | 32.67 | 0 | 30.9 | ug/kg | 95 | | | | 30 (25) | 150 (149) | |
| | Methoxychlor | 32.67 | 0 | 30.7 | ug/kg | 94 | | | | 30 (32) | 150 (132) | |
| | Endrin ketone | 32.67 | 0 | 30.6 | ug/kg | 94 | | | | 30 (27) | 150 (142) | |
| | Endrin aldehyde | 32.67 | 0 | 30.3 | ug/kg | 93 | | | | 30 (19) | 150 (148) | |
| | alpha-Chlordane | 32.67 | 0 | 29.7 | ug/kg | 91 | | | | 30 (26) | 150 (147) | |
| | gamma-Chlordane | 32.67 | 0 | 29.4 | ug/kg | 90 | | | | 30 (30) | 150 (142) | |
| **Lab Sample ID:** | **Q3586-03MS (Column 2)** | **Client Sample ID:** | | **SED-3MS** | | | | | | | | |
| | alpha-BHC | 32.67 | 0 | 33.4 | ug/kg | 102 | | | | 30 (60) | 150 (144) | |
| | beta-BHC | 32.67 | 0 | 33.6 | ug/kg | 103 | | | | 30 (54) | 150 (143) | |
| | delta-BHC | 32.67 | 0 | 32.8 | ug/kg | 100 | | | | 30 (47) | 150 (129) | |
| | gamma-BHC (Lindane) | 32.67 | 0 | 32.9 | ug/kg | 101 | | | | 30 (39) | 150 (136) | |
| | Heptachlor | 32.67 | 0 | 34.7 | ug/kg | 106 | | | | 30 (33) | 150 (148) | |
| | Aldrin | 32.67 | 0 | 32.8 | ug/kg | 100 | | | | 30 (38) | 150 (139) | |
| | Heptachlor epoxide | 32.67 | 0 | 32.8 | ug/kg | 100 | | | | 30 (23) | 150 (155) | |
| | Endosulfan I | 32.67 | 0 | 32.5 | ug/kg | 99 | | | | 30 (30) | 150 (142) | |
| | Dieldrin | 32.67 | 0 | 32.6 | ug/kg | 100 | | | | 30 (32) | 150 (140) | |
| | 4,4'-DDE | 32.67 | 0 | 32.5 | ug/kg | 99 | | | | 30 (20) | 150 (156) | |
| | Endrin | 32.67 | 0 | 32.3 | ug/kg | 99 | | | | 30 (57) | 150 (139) | |
| | Endosulfan II | 32.67 | 0 | 32.9 | ug/kg | 101 | | | | 30 (41) | 150 (125) | |
| | 4,4'-DDD | 32.67 | 0 | 31.9 | ug/kg | 98 | | | | 30 (47) | 150 (163) | |
| | Endosulfan sulfate | 32.67 | 0 | 32.7 | ug/kg | 100 | | | | 30 (43) | 150 (125) | |

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



## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q3586 **Analytical Method:** 8081B

**Client:** Remington & Vernick Engineers **DataFile :** PD091062.D

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4,4'-DDT | 32.67 | 0 | 33.5 | ug/kg | 103 | | | | 30 (25) | 150 (149) | |
| Methoxychlor | 32.67 | 0 | 33.4 | ug/kg | 102 | | | | 30 (32) | 150 (132) | |
| Endrin ketone | 32.67 | 0 | 33.4 | ug/kg | 102 | | | | 30 (27) | 150 (142) | |
| Endrin aldehyde | 32.67 | 0 | 32.9 | ug/kg | 101 | | | | 30 (19) | 150 (148) | |
| alpha-Chlordane | 32.67 | 0 | 32.5 | ug/kg | 99 | | | | 30 (26) | 150 (147) | |
| gamma-Chlordane | 32.67 | 0 | 32.5 | ug/kg | 99 | | | | 30 (30) | 150 (142) | |

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Fax : 908 789 8922



## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q3586 **Analytical Method:** 8081B

**Client:** Remington & Vernick Engineers **DataFile :** PD091063.D

| | Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID:** | **Q3586-03MSD (Column 1)** | **Client Sample ID:** | | **SED-3MSD** | | | | | | | | |
| | alpha-BHC | 32.68 | 0 | 31.7 | ug/kg | 97 | | 2 | | 30 (60) | 150 (144) | 30 (15) |
| | beta-BHC | 32.68 | 0 | 31.3 | ug/kg | 96 | | 2 | | 30 (54) | 150 (143) | 30 (15) |
| | delta-BHC | 32.68 | 0 | 31.5 | ug/kg | 96 | | 0 | | 30 (47) | 150 (129) | 30 (20) |
| | gamma-BHC (Lindane) | 32.68 | 0 | 31.1 | ug/kg | 95 | | 2 | | 30 (39) | 150 (136) | 30 (30) |
| | Heptachlor | 32.68 | 0 | 37.7 | ug/kg | 115 | | 1 | | 30 (33) | 150 (148) | 30 (20) |
| | Aldrin | 32.68 | 0 | 31.0 | ug/kg | 95 | | 1 | | 30 (38) | 150 (139) | 30 (30) |
| | Heptachlor epoxide | 32.68 | 0 | 31.1 | ug/kg | 95 | | 2 | | 30 (23) | 150 (155) | 30 (16) |
| | Endosulfan I | 32.68 | 0 | 30.7 | ug/kg | 94 | | 2 | | 30 (30) | 150 (142) | 30 (15) |
| | Dieldrin | 32.68 | 0 | 31.0 | ug/kg | 95 | | 2 | | 30 (32) | 150 (140) | 30 (20) |
| | 4,4'-DDE | 32.68 | 0 | 30.3 | ug/kg | 93 | | 2 | | 30 (20) | 150 (156) | 30 (16) |
| | Endrin | 32.68 | 0 | 30.3 | ug/kg | 93 | | 1 | | 30 (57) | 150 (139) | 30 (16) |
| | Endosulfan II | 32.68 | 0 | 29.6 | ug/kg | 91 | | 2 | | 30 (41) | 150 (125) | 30 (15) |
| | 4,4'-DDD | 32.68 | 0 | 32.3 | ug/kg | 99 | | 2 | | 30 (47) | 150 (163) | 30 (20) |
| | Endosulfan sulfate | 32.68 | 0 | 29.9 | ug/kg | 91 | | 1 | | 30 (43) | 150 (125) | 30 (15) |
| | 4,4'-DDT | 32.68 | 0 | 31.5 | ug/kg | 96 | | 1 | | 30 (25) | 150 (149) | 30 (15) |
| | Methoxychlor | 32.68 | 0 | 31.1 | ug/kg | 95 | | 1 | | 30 (32) | 150 (132) | 30 (20) |
| | Endrin ketone | 32.68 | 0 | 31.1 | ug/kg | 95 | | 1 | | 30 (27) | 150 (142) | 30 (15) |
| | Endrin aldehyde | 32.68 | 0 | 30.7 | ug/kg | 94 | | 1 | | 30 (19) | 150 (148) | 30 (15) |
| | alpha-Chlordane | 32.68 | 0 | 30.4 | ug/kg | 93 | | 2 | | 30 (26) | 150 (147) | 30 (20) |
| | gamma-Chlordane | 32.68 | 0 | 30.1 | ug/kg | 92 | | 2 | | 30 (30) | 150 (142) | 30 (15) |
| **Lab Sample ID:** | **Q3586-03MSD (Column 2)** | **Client Sample ID:** | | **SED-3MSD** | | | | | | | | |
| | alpha-BHC | 32.68 | 0 | 33.8 | ug/kg | 103 | | 1 | | 30 (60) | 150 (144) | 30 (15) |
| | beta-BHC | 32.68 | 0 | 34.2 | ug/kg | 105 | | 2 | | 30 (54) | 150 (143) | 30 (15) |
| | delta-BHC | 32.68 | 0 | 33.3 | ug/kg | 102 | | 2 | | 30 (47) | 150 (129) | 30 (20) |
| | gamma-BHC (Lindane) | 32.68 | 0 | 33.4 | ug/kg | 102 | | 1 | | 30 (39) | 150 (136) | 30 (30) |
| | Heptachlor | 32.68 | 0 | 35.0 | ug/kg | 107 | | 1 | | 30 (33) | 150 (148) | 30 (20) |
| | Aldrin | 32.68 | 0 | 33.2 | ug/kg | 102 | | 2 | | 30 (38) | 150 (139) | 30 (30) |
| | Heptachlor epoxide | 32.68 | 0 | 32.8 | ug/kg | 100 | | 0 | | 30 (23) | 150 (155) | 30 (16) |
| | Endosulfan I | 32.68 | 0 | 32.9 | ug/kg | 101 | | 2 | | 30 (30) | 150 (142) | 30 (15) |
| | Dieldrin | 32.68 | 0 | 33.0 | ug/kg | 101 | | 1 | | 30 (32) | 150 (140) | 30 (20) |
| | 4,4'-DDE | 32.68 | 0 | 32.8 | ug/kg | 100 | | 1 | | 30 (20) | 150 (156) | 30 (16) |
| | Endrin | 32.68 | 0 | 32.5 | ug/kg | 99 | | 0 | | 30 (57) | 150 (139) | 30 (16) |
| | Endosulfan II | 32.68 | 0 | 33.3 | ug/kg | 102 | | 1 | | 30 (41) | 150 (125) | 30 (15) |
| | 4,4'-DDD | 32.68 | 0 | 32.3 | ug/kg | 99 | | 1 | | 30 (47) | 150 (163) | 30 (20) |
| | Endosulfan sulfate | 32.68 | 0 | 33.2 | ug/kg | 102 | | 2 | | 30 (43) | 150 (125) | 30 (15) |

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



## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q3586 **Analytical Method:** 8081B

**Client:** Remington & Vernick Engineers **DataFile :** PD091063.D

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4,4'-DDT | 32.68 | 0 | 33.8 | ug/kg | 103 | | 0 | | 30 (25) | 150 (149) | 30 (15) |
| Methoxychlor | 32.68 | 0 | 33.8 | ug/kg | 103 | | 1 | | 30 (32) | 150 (132) | 30 (20) |
| Endrin ketone | 32.68 | 0 | 34.2 | ug/kg | 105 | | 3 | | 30 (27) | 150 (142) | 30 (15) |
| Endrin aldehyde | 32.68 | 0 | 33.3 | ug/kg | 102 | | 1 | | 30 (19) | 150 (148) | 30 (15) |
| alpha-Chlordane | 32.68 | 0 | 33.0 | ug/kg | 101 | | 2 | | 30 (26) | 150 (147) | 30 (20) |
| gamma-Chlordane | 32.68 | 0 | 32.8 | ug/kg | 100 | | 1 | | 30 (30) | 150 (142) | 30 (15) |

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Fax : 908 789 8922



## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q3586 **Analytical Method:** 8081B

**Client:** Remington & Vernick Engineers **Datafile :** PD091085.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB170476BS (Column 1) | alpha-BHC | 16.66 | 15.4 | ug/kg | 92 | | | | 40 (84) | 140 (123) | |
| | beta-BHC | 16.66 | 14.9 | ug/kg | 89 | | | | 40 (82) | 140 (123) | |
| | delta-BHC | 16.66 | 15.6 | ug/kg | 94 | | | | 40 (83) | 140 (126) | |
| | gamma-BHC (Lindane) | 16.66 | 15.2 | ug/kg | 91 | | | | 40 (83) | 140 (125) | |
| | Heptachlor | 16.66 | 18.6 | ug/kg | 112 | | | | 40 (83) | 140 (122) | |
| | Aldrin | 16.66 | 15.2 | ug/kg | 91 | | | | 40 (82) | 140 (124) | |
| | Heptachlor epoxide | 16.66 | 16.6 | ug/kg | 100 | | | | 40 (83) | 140 (120) | |
| | Endosulfan I | 16.66 | 15.3 | ug/kg | 92 | | | | 40 (81) | 140 (124) | |
| | Dieldrin | 16.66 | 15.4 | ug/kg | 92 | | | | 40 (85) | 140 (121) | |
| | 4,4'-DDE | 16.66 | 14.6 | ug/kg | 88 | | | | 40 (81) | 140 (123) | |
| | Endrin | 16.66 | 14.8 | ug/kg | 89 | | | | 40 (76) | 140 (130) | |
| | Endosulfan II | 16.66 | 17.0 | ug/kg | 102 | | | | 40 (80) | 140 (125) | |
| | 4,4'-DDD | 16.66 | 16.3 | ug/kg | 98 | | | | 40 (80) | 140 (131) | |
| | Endosulfan sulfate | 16.66 | 15.2 | ug/kg | 91 | | | | 40 (81) | 140 (122) | |
| | 4,4'-DDT | 16.66 | 16.2 | ug/kg | 97 | | | | 40 (70) | 140 (129) | |
| | Methoxychlor | 16.66 | 18.3 | ug/kg | 110 | | | | 40 (60) | 140 (119) | |
| | Endrin ketone | 16.66 | 15.8 | ug/kg | 95 | | | | 40 (77) | 140 (132) | |
| | Endrin aldehyde | 16.66 | 16.4 | ug/kg | 98 | | | | 40 (79) | 140 (124) | |
| | alpha-Chlordane | 16.66 | 15.1 | ug/kg | 91 | | | | 40 (84) | 140 (120) | |
| | gamma-Chlordane | 16.66 | 15.1 | ug/kg | 91 | | | | 40 (83) | 140 (122) | |
| PB170476BS (Column 2) | alpha-BHC | 16.66 | 17.4 | ug/kg | 104 | | | | 40 (84) | 140 (123) | |
| | beta-BHC | 16.66 | 16.6 | ug/kg | 100 | | | | 40 (82) | 140 (123) | |
| | delta-BHC | 16.66 | 17.2 | ug/kg | 103 | | | | 40 (83) | 140 (126) | |
| | gamma-BHC (Lindane) | 16.66 | 17.2 | ug/kg | 103 | | | | 40 (83) | 140 (125) | |
| | Heptachlor | 16.66 | 17.9 | ug/kg | 107 | | | | 40 (83) | 140 (122) | |
| | Aldrin | 16.66 | 17.4 | ug/kg | 104 | | | | 40 (82) | 140 (124) | |
| | Heptachlor epoxide | 16.66 | 16.7 | ug/kg | 100 | | | | 40 (83) | 140 (120) | |
| | Endosulfan I | 16.66 | 13.5 | ug/kg | 81 | | | | 40 (81) | 140 (124) | |
| | Dieldrin | 16.66 | 17.4 | ug/kg | 104 | | | | 40 (85) | 140 (121) | |
| | 4,4'-DDE | 16.66 | 17.2 | ug/kg | 103 | | | | 40 (81) | 140 (123) | |
| | Endrin | 16.66 | 19.9 | ug/kg | 119 | | | | 40 (76) | 140 (130) | |
| | Endosulfan II | 16.66 | 17.5 | ug/kg | 105 | | | | 40 (80) | 140 (125) | |
| | 4,4'-DDD | 16.66 | 18.1 | ug/kg | 109 | | | | 40 (80) | 140 (131) | |
| | Endosulfan sulfate | 16.66 | 17.4 | ug/kg | 104 | | | | 40 (81) | 140 (122) | |
| | 4,4'-DDT | 16.66 | 17.6 | ug/kg | 106 | | | | 40 (70) | 140 (129) | |
| | Methoxychlor | 16.66 | 17.6 | ug/kg | 106 | | | | 40 (60) | 140 (119) | |
| | Endrin ketone | 16.66 | 21.5 | ug/kg | 129 | | | | 40 (77) | 140 (132) | |
| | Endrin aldehyde | 16.66 | 17.8 | ug/kg | 107 | | | | 40 (79) | 140 (124) | |
| | alpha-Chlordane | 16.66 | 17.1 | ug/kg | 103 | | | | 40 (84) | 140 (120) | |
| | gamma-Chlordane | 16.66 | 17.2 | ug/kg | 103 | | | | 40 (83) | 140 (122) | |

( ) = LABORATORY INHOUSE LIMIT

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Fax : 908 789 8922



4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB170476BL

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG NO.: Q3586

Lab Sample ID: PB170476BL | Lab File ID: PD091084.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 11/11/2025

Date Analyzed (1): 11/12/2025 | Date Analyzed (2): 11/12/2025

Time Analyzed (1): 09:44 | Time Analyzed (2): 09:44

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 |
|---|---|---|---|---|
| SED-1 | Q3586-01 | PD091059.D | 11/11/2025 | 11/11/2025 |
| SED-2 | Q3586-02 | PD091060.D | 11/11/2025 | 11/11/2025 |
| SED-3 | Q3586-03 | PD091061.D | 11/11/2025 | 11/11/2025 |
| SED-3MS | Q3586-03MS | PD091062.D | 11/11/2025 | 11/11/2025 |
| SED-3MSD | Q3586-03MSD | PD091063.D | 11/11/2025 | 11/11/2025 |
| PB170476BS | PB170476BS | PD091085.D | 11/12/2025 | 11/12/2025 |

COMMENTS:

# QC SAMPLE DATA

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | |
| Project: | Edison Landfill | Date Received: | |
| Client Sample ID: | PB170476BL | SDG No.: | Q3586 |
| Lab Sample ID: | PB170476BL | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 100 |
| Sample Wt/Vol: | 30.01 g | Final Vol: 10000 uL | Test: Pesticide-TCL |
| Prep Method: | SW3541B | Prep Date: 11/11/25 | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 319-84-6 | alpha-BHC | 0.13 | U | 1 | 0.13 | 1.70 | ug/kg | 11/12/25 09:44 | PB170476 |
| 319-85-7 | beta-BHC | 0.18 | U | 1 | 0.18 | 1.70 | ug/kg | 11/12/25 09:44 | PB170476 |
| 319-86-8 | delta-BHC | 0.39 | U | 1 | 0.39 | 1.70 | ug/kg | 11/12/25 09:44 | PB170476 |
| 58-89-9 | gamma-BHC (Lindane) | 0.14 | U | 1 | 0.14 | 1.70 | ug/kg | 11/12/25 09:44 | PB170476 |
| 76-44-8 | Heptachlor | 0.12 | U | 1 | 0.12 | 1.70 | ug/kg | 11/12/25 09:44 | PB170476 |
| 309-00-2 | Aldrin | 0.12 | U | 1 | 0.12 | 1.70 | ug/kg | 11/12/25 09:44 | PB170476 |
| 1024-57-3 | Heptachlor epoxide | 0.19 | U | 1 | 0.19 | 1.70 | ug/kg | 11/12/25 09:44 | PB170476 |
| 959-98-8 | Endosulfan I | 0.14 | U | 1 | 0.14 | 1.70 | ug/kg | 11/12/25 09:44 | PB170476 |
| 60-57-1 | Dieldrin | 0.14 | U | 1 | 0.14 | 1.70 | ug/kg | 11/12/25 09:44 | PB170476 |
| 72-55-9 | 4,4-DDE | 0.14 | U | 1 | 0.14 | 1.70 | ug/kg | 11/12/25 09:44 | PB170476 |
| 72-20-8 | Endrin | 0.14 | U | 1 | 0.14 | 1.70 | ug/kg | 11/12/25 09:44 | PB170476 |
| 33213-65-9 | Endosulfan II | 0.29 | U | 1 | 0.29 | 1.70 | ug/kg | 11/12/25 09:44 | PB170476 |
| 72-54-8 | 4,4-DDD | 0.15 | U | 1 | 0.15 | 1.70 | ug/kg | 11/12/25 09:44 | PB170476 |
| 1031-07-8 | Endosulfan Sulfate | 0.13 | U | 1 | 0.13 | 1.70 | ug/kg | 11/12/25 09:44 | PB170476 |
| 50-29-3 | 4,4-DDT | 0.14 | U | 1 | 0.14 | 1.70 | ug/kg | 11/12/25 09:44 | PB170476 |
| 72-43-5 | Methoxychlor | 0.37 | U | 1 | 0.37 | 1.70 | ug/kg | 11/12/25 09:44 | PB170476 |
| 53494-70-5 | Endrin ketone | 0.19 | U | 1 | 0.19 | 1.70 | ug/kg | 11/12/25 09:44 | PB170476 |
| 7421-93-4 | Endrin aldehyde | 0.37 | U | 1 | 0.37 | 1.70 | ug/kg | 11/12/25 09:44 | PB170476 |
| 5103-71-9 | alpha-Chlordane | 0.12 | U | 1 | 0.12 | 1.70 | ug/kg | 11/12/25 09:44 | PB170476 |
| 5103-74-2 | gamma-Chlordane | 0.15 | U | 1 | 0.15 | 1.70 | ug/kg | 11/12/25 09:44 | PB170476 |
| 8001-35-2 | Toxaphene | 5.40 | U | 1 | 5.40 | 33.0 | ug/kg | 11/12/25 09:44 | PB170476 |
| **SURROGATES** | | | | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 23.4 | | | 30 (10) - 150 (143) | 117% | SPK: 20 | | |
| 877-09-8 | Tetrachloro-m-xylene | 21.6 | | | 30 (10) - 150 (131) | 108% | SPK: 20 | | |

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: | Remington & Vernick Engineers | Date Collected: | 10/17/25 |
| Project: | Edison Landfill | Date Received: | 10/17/25 |
| Client Sample ID: | PIBLK-PD090647.D | SDG No.: | Q3586 |
| Lab Sample ID: | I.BLK-PD090647.D | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 |
| Sample Wt/Vol: | 1000 mL Final Vol: 10000 uL | Test: | Pesticide-TCL |
| Prep Method: | 3510C Prep Date: | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 319-84-6 | alpha-BHC | 0.0039 | U | 1 | 0.0039 | 0.050 | ug/L | 10/17/25 | pd101725 |
| 319-85-7 | beta-BHC | 0.0049 | U | 1 | 0.0049 | 0.050 | ug/L | 10/17/25 | pd101725 |
| 319-86-8 | delta-BHC | 0.011 | U | 1 | 0.011 | 0.050 | ug/L | 10/17/25 | pd101725 |
| 58-89-9 | gamma-BHC (Lindane) | 0.0037 | U | 1 | 0.0037 | 0.050 | ug/L | 10/17/25 | pd101725 |
| 76-44-8 | Heptachlor | 0.0027 | U | 1 | 0.0027 | 0.050 | ug/L | 10/17/25 | pd101725 |
| 309-00-2 | Aldrin | 0.0036 | U | 1 | 0.0036 | 0.050 | ug/L | 10/17/25 | pd101725 |
| 1024-57-3 | Heptachlor epoxide | 0.0096 | U | 1 | 0.0096 | 0.050 | ug/L | 10/17/25 | pd101725 |
| 959-98-8 | Endosulfan I | 0.0031 | U | 1 | 0.0031 | 0.050 | ug/L | 10/17/25 | pd101725 |
| 60-57-1 | Dieldrin | 0.0036 | U | 1 | 0.0036 | 0.050 | ug/L | 10/17/25 | pd101725 |
| 72-55-9 | 4,4-DDE | 0.0037 | U | 1 | 0.0037 | 0.050 | ug/L | 10/17/25 | pd101725 |
| 72-20-8 | Endrin | 0.0032 | U | 1 | 0.0032 | 0.050 | ug/L | 10/17/25 | pd101725 |
| 33213-65-9 | Endosulfan II | 0.0079 | U | 1 | 0.0079 | 0.050 | ug/L | 10/17/25 | pd101725 |
| 72-54-8 | 4,4-DDD | 0.0071 | U | 1 | 0.0071 | 0.050 | ug/L | 10/17/25 | pd101725 |
| 1031-07-8 | Endosulfan Sulfate | 0.0037 | U | 1 | 0.0037 | 0.050 | ug/L | 10/17/25 | pd101725 |
| 50-29-3 | 4,4-DDT | 0.0035 | U | 1 | 0.0035 | 0.050 | ug/L | 10/17/25 | pd101725 |
| 72-43-5 | Methoxychlor | 0.011 | U | 1 | 0.011 | 0.050 | ug/L | 10/17/25 | pd101725 |
| 53494-70-5 | Endrin ketone | 0.0093 | U | 1 | 0.0093 | 0.050 | ug/L | 10/17/25 | pd101725 |
| 7421-93-4 | Endrin aldehyde | 0.011 | U | 1 | 0.011 | 0.050 | ug/L | 10/17/25 | pd101725 |
| 5103-71-9 | alpha-Chlordane | 0.0035 | U | 1 | 0.0035 | 0.050 | ug/L | 10/17/25 | pd101725 |
| 5103-74-2 | gamma-Chlordane | 0.0039 | U | 1 | 0.0039 | 0.050 | ug/L | 10/17/25 | pd101725 |
| 8001-35-2 | Toxaphene | 0.17 | U | 1 | 0.17 | 1.00 | ug/L | 10/17/25 | pd101725 |
| **SURROGATES** | | | | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 21.3 | | | 30 (31) - 150 (149) | 106% | SPK: 20 | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.0 | | | 30 (41) - 150 (134) | 100% | SPK: 20 | | |

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

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: | Remington & Vernick Engineers | Date Collected: | 11/11/25 |
| Project: | Edison Landfill | Date Received: | 11/11/25 |
| Client Sample ID: | PIBLK-PD091050.D | SDG No.: | Q3586 |
| Lab Sample ID: | I.BLK-PD091050.D | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 |
| Sample Wt/Vol: | 1000 mL Final Vol: 10000 uL | Test: | Pesticide-TCL |
| Prep Method: | 3510C Prep Date: | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 319-84-6 | alpha-BHC | 0.0039 | U | 1 | 0.0039 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 319-85-7 | beta-BHC | 0.0049 | U | 1 | 0.0049 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 319-86-8 | delta-BHC | 0.011 | U | 1 | 0.011 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 58-89-9 | gamma-BHC (Lindane) | 0.0037 | U | 1 | 0.0037 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 76-44-8 | Heptachlor | 0.0027 | U | 1 | 0.0027 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 309-00-2 | Aldrin | 0.0036 | U | 1 | 0.0036 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 1024-57-3 | Heptachlor epoxide | 0.0096 | U | 1 | 0.0096 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 959-98-8 | Endosulfan I | 0.0031 | U | 1 | 0.0031 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 60-57-1 | Dieldrin | 0.0036 | U | 1 | 0.0036 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 72-55-9 | 4,4-DDE | 0.0037 | U | 1 | 0.0037 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 72-20-8 | Endrin | 0.0032 | U | 1 | 0.0032 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 33213-65-9 | Endosulfan II | 0.0079 | U | 1 | 0.0079 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 72-54-8 | 4,4-DDD | 0.0071 | U | 1 | 0.0071 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 1031-07-8 | Endosulfan Sulfate | 0.0037 | U | 1 | 0.0037 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 50-29-3 | 4,4-DDT | 0.0035 | U | 1 | 0.0035 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 72-43-5 | Methoxychlor | 0.011 | U | 1 | 0.011 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 53494-70-5 | Endrin ketone | 0.0093 | U | 1 | 0.0093 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 7421-93-4 | Endrin aldehyde | 0.011 | U | 1 | 0.011 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 5103-71-9 | alpha-Chlordane | 0.0035 | U | 1 | 0.0035 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 5103-74-2 | gamma-Chlordane | 0.0039 | U | 1 | 0.0039 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 8001-35-2 | Toxaphene | 0.17 | U | 1 | 0.17 | 1.00 | ug/L | 11/11/25 | PD111125 |
| **SURROGATES** | | | | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 23.7 | | | 30 (31) - 150 (149) | 119% | SPK: 20 | | |
| 877-09-8 | Tetrachloro-m-xylene | 24.7 | | | 30 (41) - 150 (134) | 123% | SPK: 20 | | |

U = Not Detected
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/11/25 |
| Project: | Edison Landfill | Date Received: | 11/11/25 |
| Client Sample ID: | PIBLK-PD091067.D | SDG No.: | Q3586 |
| Lab Sample ID: | I.BLK-PD091067.D | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 |
| Sample Wt/Vol: | 1000 mL Final Vol: 10000 uL | Test: | Pesticide-TCL |
| Prep Method: | 3510C Prep Date: | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 319-84-6 | alpha-BHC | 0.0039 | U | 1 | 0.0039 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 319-85-7 | beta-BHC | 0.0049 | U | 1 | 0.0049 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 319-86-8 | delta-BHC | 0.011 | U | 1 | 0.011 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 58-89-9 | gamma-BHC (Lindane) | 0.0037 | U | 1 | 0.0037 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 76-44-8 | Heptachlor | 0.0027 | U | 1 | 0.0027 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 309-00-2 | Aldrin | 0.0036 | U | 1 | 0.0036 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 1024-57-3 | Heptachlor epoxide | 0.0096 | U | 1 | 0.0096 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 959-98-8 | Endosulfan I | 0.0031 | U | 1 | 0.0031 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 60-57-1 | Dieldrin | 0.0036 | U | 1 | 0.0036 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 72-55-9 | 4,4-DDE | 0.0037 | U | 1 | 0.0037 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 72-20-8 | Endrin | 0.0032 | U | 1 | 0.0032 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 33213-65-9 | Endosulfan II | 0.0079 | U | 1 | 0.0079 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 72-54-8 | 4,4-DDD | 0.0071 | U | 1 | 0.0071 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 1031-07-8 | Endosulfan Sulfate | 0.0037 | U | 1 | 0.0037 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 50-29-3 | 4,4-DDT | 0.0035 | U | 1 | 0.0035 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 72-43-5 | Methoxychlor | 0.011 | U | 1 | 0.011 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 53494-70-5 | Endrin ketone | 0.0093 | U | 1 | 0.0093 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 7421-93-4 | Endrin aldehyde | 0.011 | U | 1 | 0.011 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 5103-71-9 | alpha-Chlordane | 0.0035 | U | 1 | 0.0035 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 5103-74-2 | gamma-Chlordane | 0.0039 | U | 1 | 0.0039 | 0.050 | ug/L | 11/11/25 | PD111125 |
| 8001-35-2 | Toxaphene | 0.17 | U | 1 | 0.17 | 1.00 | ug/L | 11/11/25 | PD111125 |
| **SURROGATES** | | | | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 19.9 | | | 30 (31) - 150 (149) | 100% | SPK: 20 | | |
| 877-09-8 | Tetrachloro-m-xylene | 23.2 | | | 30 (41) - 150 (134) | 116% | SPK: 20 | | |

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() = 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: | Remington & Vernick Engineers | Date Collected: | 11/12/25 |
| Project: | Edison Landfill | Date Received: | 11/12/25 |
| Client Sample ID: | PIBLK-PD091081.D | SDG No.: | Q3586 |
| Lab Sample ID: | I.BLK-PD091081.D | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 |
| Sample Wt/Vol: | 1000 mL Final Vol: 10000 uL | Test: | Pesticide-TCL |
| Prep Method: | 3510C Prep Date: | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 319-84-6 | alpha-BHC | 0.0039 | U | 1 | 0.0039 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 319-85-7 | beta-BHC | 0.0049 | U | 1 | 0.0049 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 319-86-8 | delta-BHC | 0.011 | U | 1 | 0.011 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 58-89-9 | gamma-BHC (Lindane) | 0.0037 | U | 1 | 0.0037 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 76-44-8 | Heptachlor | 0.0027 | U | 1 | 0.0027 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 309-00-2 | Aldrin | 0.0036 | U | 1 | 0.0036 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 1024-57-3 | Heptachlor epoxide | 0.0096 | U | 1 | 0.0096 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 959-98-8 | Endosulfan I | 0.0031 | U | 1 | 0.0031 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 60-57-1 | Dieldrin | 0.0036 | U | 1 | 0.0036 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 72-55-9 | 4,4-DDE | 0.0037 | U | 1 | 0.0037 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 72-20-8 | Endrin | 0.0032 | U | 1 | 0.0032 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 33213-65-9 | Endosulfan II | 0.0079 | U | 1 | 0.0079 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 72-54-8 | 4,4-DDD | 0.0071 | U | 1 | 0.0071 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 1031-07-8 | Endosulfan Sulfate | 0.0037 | U | 1 | 0.0037 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 50-29-3 | 4,4-DDT | 0.0035 | U | 1 | 0.0035 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 72-43-5 | Methoxychlor | 0.011 | U | 1 | 0.011 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 53494-70-5 | Endrin ketone | 0.0093 | U | 1 | 0.0093 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 7421-93-4 | Endrin aldehyde | 0.011 | U | 1 | 0.011 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 5103-71-9 | alpha-Chlordane | 0.0035 | U | 1 | 0.0035 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 5103-74-2 | gamma-Chlordane | 0.0039 | U | 1 | 0.0039 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 8001-35-2 | Toxaphene | 0.17 | U | 1 | 0.17 | 1.00 | ug/L | 11/12/25 | PD111225 |
| **SURROGATES** | | | | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 27.4 | | | 30 (31) - 150 (149) | 137% | SPK: 20 | | |
| 877-09-8 | Tetrachloro-m-xylene | 25.6 | | | 30 (41) - 150 (134) | 128% | SPK: 20 | | |

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: | Remington & Vernick Engineers | Date Collected: | 11/12/25 |
| Project: | Edison Landfill | Date Received: | 11/12/25 |
| Client Sample ID: | PIBLK-PD091104.D | SDG No.: | Q3586 |
| Lab Sample ID: | I.BLK-PD091104.D | Matrix: | WATER |
| Analytical Method: | 8081B | % Solid: | 0 |
| Sample Wt/Vol: | 1000 mL Final Vol: 10000 uL | Test: | Pesticide-TCL |
| Prep Method: | 3510C Prep Date: | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 319-84-6 | alpha-BHC | 0.0039 | U | 1 | 0.0039 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 319-85-7 | beta-BHC | 0.0049 | U | 1 | 0.0049 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 319-86-8 | delta-BHC | 0.011 | U | 1 | 0.011 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 58-89-9 | gamma-BHC (Lindane) | 0.0037 | U | 1 | 0.0037 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 76-44-8 | Heptachlor | 0.0027 | U | 1 | 0.0027 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 309-00-2 | Aldrin | 0.0036 | U | 1 | 0.0036 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 1024-57-3 | Heptachlor epoxide | 0.0096 | U | 1 | 0.0096 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 959-98-8 | Endosulfan I | 0.0031 | U | 1 | 0.0031 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 60-57-1 | Dieldrin | 0.0036 | U | 1 | 0.0036 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 72-55-9 | 4,4-DDE | 0.0037 | U | 1 | 0.0037 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 72-20-8 | Endrin | 0.0032 | U | 1 | 0.0032 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 33213-65-9 | Endosulfan II | 0.0079 | U | 1 | 0.0079 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 72-54-8 | 4,4-DDD | 0.0071 | U | 1 | 0.0071 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 1031-07-8 | Endosulfan Sulfate | 0.0037 | U | 1 | 0.0037 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 50-29-3 | 4,4-DDT | 0.0035 | U | 1 | 0.0035 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 72-43-5 | Methoxychlor | 0.011 | U | 1 | 0.011 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 53494-70-5 | Endrin ketone | 0.0093 | U | 1 | 0.0093 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 7421-93-4 | Endrin aldehyde | 0.011 | U | 1 | 0.011 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 5103-71-9 | alpha-Chlordane | 0.0035 | U | 1 | 0.0035 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 5103-74-2 | gamma-Chlordane | 0.0039 | U | 1 | 0.0039 | 0.050 | ug/L | 11/12/25 | PD111225 |
| 8001-35-2 | Toxaphene | 0.17 | U | 1 | 0.17 | 1.00 | ug/L | 11/12/25 | PD111225 |
| **SURROGATES** | | | | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 25.9 | | | 30 (31) - 150 (149) | 130% | SPK: 20 | | |
| 877-09-8 | Tetrachloro-m-xylene | 24.7 | | | 30 (41) - 150 (134) | 124% | SPK: 20 | | |

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: | Remington & Vernick Engineers | Date Collected: | |
| Project: | Edison Landfill | Date Received: | |
| Client Sample ID: | PB170476BS | SDG No.: | Q3586 |
| Lab Sample ID: | PB170476BS | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 g | Final Vol: 10000 uL | Test: Pesticide-TCL |
| Prep Method: | SW3541B | Prep Date: 11/11/25 | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 319-84-6 | alpha-BHC | 17.4 | | 1 | 0.13 | 1.70 | ug/kg | 11/12/25 09:57 | PB170476 |
| 319-85-7 | beta-BHC | 16.6 | | 1 | 0.18 | 1.70 | ug/kg | 11/12/25 09:57 | PB170476 |
| 319-86-8 | delta-BHC | 17.2 | | 1 | 0.39 | 1.70 | ug/kg | 11/12/25 09:57 | PB170476 |
| 58-89-9 | gamma-BHC (Lindane) | 17.2 | | 1 | 0.14 | 1.70 | ug/kg | 11/12/25 09:57 | PB170476 |
| 76-44-8 | Heptachlor | 18.6 | | 1 | 0.12 | 1.70 | ug/kg | 11/12/25 09:57 | PB170476 |
| 309-00-2 | Aldrin | 17.4 | | 1 | 0.12 | 1.70 | ug/kg | 11/12/25 09:57 | PB170476 |
| 1024-57-3 | Heptachlor epoxide | 16.7 | | 1 | 0.19 | 1.70 | ug/kg | 11/12/25 09:57 | PB170476 |
| 959-98-8 | Endosulfan I | 15.3 | | 1 | 0.14 | 1.70 | ug/kg | 11/12/25 09:57 | PB170476 |
| 60-57-1 | Dieldrin | 17.4 | | 1 | 0.14 | 1.70 | ug/kg | 11/12/25 09:57 | PB170476 |
| 72-55-9 | 4,4-DDE | 17.2 | | 1 | 0.14 | 1.70 | ug/kg | 11/12/25 09:57 | PB170476 |
| 72-20-8 | Endrin | 19.9 | | 1 | 0.14 | 1.70 | ug/kg | 11/12/25 09:57 | PB170476 |
| 33213-65-9 | Endosulfan II | 17.5 | | 1 | 0.29 | 1.70 | ug/kg | 11/12/25 09:57 | PB170476 |
| 72-54-8 | 4,4-DDD | 18.1 | | 1 | 0.15 | 1.70 | ug/kg | 11/12/25 09:57 | PB170476 |
| 1031-07-8 | Endosulfan Sulfate | 17.4 | | 1 | 0.13 | 1.70 | ug/kg | 11/12/25 09:57 | PB170476 |
| 50-29-3 | 4,4-DDT | 17.6 | | 1 | 0.14 | 1.70 | ug/kg | 11/12/25 09:57 | PB170476 |
| 72-43-5 | Methoxychlor | 18.3 | | 1 | 0.37 | 1.70 | ug/kg | 11/12/25 09:57 | PB170476 |
| 53494-70-5 | Endrin ketone | 21.5 | | 1 | 0.19 | 1.70 | ug/kg | 11/12/25 09:57 | PB170476 |
| 7421-93-4 | Endrin aldehyde | 17.8 | | 1 | 0.37 | 1.70 | ug/kg | 11/12/25 09:57 | PB170476 |
| 5103-71-9 | alpha-Chlordane | 17.1 | | 1 | 0.12 | 1.70 | ug/kg | 11/12/25 09:57 | PB170476 |
| 5103-74-2 | gamma-Chlordane | 17.2 | | 1 | 0.15 | 1.70 | ug/kg | 11/12/25 09:57 | PB170476 |
| 8001-35-2 | Toxaphene | 5.40 | U | 1 | 5.40 | 33.0 | ug/kg | 11/12/25 09:57 | PB170476 |
| **SURROGATES** | | | | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 28.4 | | | 30 (10) - 150 (143) | 142% | SPK: 20 | | |
| 877-09-8 | Tetrachloro-m-xylene | 26.0 | | | 30 (10) - 150 (131) | 130% | SPK: 20 | | |

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

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

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



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-3MS | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03MS | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 50.9 |
| Sample Wt/Vol: | 30.07 g | Final Vol: 10000 uL | Test: Pesticide-TCL |
| Prep Method: | SW3541B | Prep Date: 11/11/25 | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 319-84-6 | alpha-BHC | 33.4 | | 1 | 0.25 | 3.30 | ug/kg | 11/11/25 14:22 | PB170476 |
| 319-85-7 | beta-BHC | 33.6 | | 1 | 0.35 | 3.30 | ug/kg | 11/11/25 14:22 | PB170476 |
| 319-86-8 | delta-BHC | 32.8 | | 1 | 0.76 | 3.30 | ug/kg | 11/11/25 14:22 | PB170476 |
| 58-89-9 | gamma-BHC (Lindane) | 32.9 | | 1 | 0.27 | 3.30 | ug/kg | 11/11/25 14:22 | PB170476 |
| 76-44-8 | Heptachlor | 37.2 | | 1 | 0.24 | 3.30 | ug/kg | 11/11/25 14:22 | PB170476 |
| 309-00-2 | Aldrin | 32.8 | | 1 | 0.24 | 3.30 | ug/kg | 11/11/25 14:22 | PB170476 |
| 1024-57-3 | Heptachlor epoxide | 32.8 | | 1 | 0.37 | 3.30 | ug/kg | 11/11/25 14:22 | PB170476 |
| 959-98-8 | Endosulfan I | 32.5 | | 1 | 0.27 | 3.30 | ug/kg | 11/11/25 14:22 | PB170476 |
| 60-57-1 | Dieldrin | 32.6 | | 1 | 0.27 | 3.30 | ug/kg | 11/11/25 14:22 | PB170476 |
| 72-55-9 | 4,4-DDE | 32.5 | | 1 | 0.27 | 3.30 | ug/kg | 11/11/25 14:22 | PB170476 |
| 72-20-8 | Endrin | 32.3 | | 1 | 0.27 | 3.30 | ug/kg | 11/11/25 14:22 | PB170476 |
| 33213-65-9 | Endosulfan II | 32.9 | | 1 | 0.57 | 3.30 | ug/kg | 11/11/25 14:22 | PB170476 |
| 72-54-8 | 4,4-DDD | 31.9 | | 1 | 0.29 | 3.30 | ug/kg | 11/11/25 14:22 | PB170476 |
| 1031-07-8 | Endosulfan Sulfate | 32.7 | | 1 | 0.25 | 3.30 | ug/kg | 11/11/25 14:22 | PB170476 |
| 50-29-3 | 4,4-DDT | 33.5 | | 1 | 0.27 | 3.30 | ug/kg | 11/11/25 14:22 | PB170476 |
| 72-43-5 | Methoxychlor | 33.4 | | 1 | 0.73 | 3.30 | ug/kg | 11/11/25 14:22 | PB170476 |
| 53494-70-5 | Endrin ketone | 33.4 | | 1 | 0.37 | 3.30 | ug/kg | 11/11/25 14:22 | PB170476 |
| 7421-93-4 | Endrin aldehyde | 32.9 | | 1 | 0.73 | 3.30 | ug/kg | 11/11/25 14:22 | PB170476 |
| 5103-71-9 | alpha-Chlordane | 32.5 | | 1 | 0.24 | 3.30 | ug/kg | 11/11/25 14:22 | PB170476 |
| 5103-74-2 | gamma-Chlordane | 32.5 | | 1 | 0.29 | 3.30 | ug/kg | 11/11/25 14:22 | PB170476 |
| 8001-35-2 | Toxaphene | 10.6 | U | 1 | 10.6 | 64.7 | ug/kg | 11/11/25 14:22 | PB170476 |
| **SURROGATES** | | | | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 16.4 | | | 30 (10) - 150 (143) | 82% | SPK: 20 | | |
| 877-09-8 | Tetrachloro-m-xylene | 17.0 | | | 30 (10) - 150 (131) | 85% | SPK: 20 | | |

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: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-3MSD | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03MSD | Matrix: | SOIL |
| Analytical Method: | 8081B | % Solid: | 50.9 |
| Sample Wt/Vol: | 30.06 g | Final Vol: 10000 uL | Test: Pesticide-TCL |
| Prep Method: | SW3541B | Prep Date: 11/11/25 | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 319-84-6 | alpha-BHC | 33.8 | | 1 | 0.25 | 3.30 | ug/kg | 11/11/25 14:36 | PB170476 |
| 319-85-7 | beta-BHC | 34.2 | | 1 | 0.35 | 3.30 | ug/kg | 11/11/25 14:36 | PB170476 |
| 319-86-8 | delta-BHC | 33.3 | | 1 | 0.76 | 3.30 | ug/kg | 11/11/25 14:36 | PB170476 |
| 58-89-9 | gamma-BHC (Lindane) | 33.4 | | 1 | 0.27 | 3.30 | ug/kg | 11/11/25 14:36 | PB170476 |
| 76-44-8 | Heptachlor | 37.7 | | 1 | 0.24 | 3.30 | ug/kg | 11/11/25 14:36 | PB170476 |
| 309-00-2 | Aldrin | 33.2 | | 1 | 0.24 | 3.30 | ug/kg | 11/11/25 14:36 | PB170476 |
| 1024-57-3 | Heptachlor epoxide | 32.8 | | 1 | 0.37 | 3.30 | ug/kg | 11/11/25 14:36 | PB170476 |
| 959-98-8 | Endosulfan I | 32.9 | | 1 | 0.27 | 3.30 | ug/kg | 11/11/25 14:36 | PB170476 |
| 60-57-1 | Dieldrin | 33.0 | | 1 | 0.27 | 3.30 | ug/kg | 11/11/25 14:36 | PB170476 |
| 72-55-9 | 4,4-DDE | 32.8 | | 1 | 0.27 | 3.30 | ug/kg | 11/11/25 14:36 | PB170476 |
| 72-20-8 | Endrin | 32.5 | | 1 | 0.27 | 3.30 | ug/kg | 11/11/25 14:36 | PB170476 |
| 33213-65-9 | Endosulfan II | 33.3 | | 1 | 0.57 | 3.30 | ug/kg | 11/11/25 14:36 | PB170476 |
| 72-54-8 | 4,4-DDD | 32.3 | | 1 | 0.29 | 3.30 | ug/kg | 11/11/25 14:36 | PB170476 |
| 1031-07-8 | Endosulfan Sulfate | 33.2 | | 1 | 0.25 | 3.30 | ug/kg | 11/11/25 14:36 | PB170476 |
| 50-29-3 | 4,4-DDT | 33.8 | | 1 | 0.27 | 3.30 | ug/kg | 11/11/25 14:36 | PB170476 |
| 72-43-5 | Methoxychlor | 33.8 | | 1 | 0.73 | 3.30 | ug/kg | 11/11/25 14:36 | PB170476 |
| 53494-70-5 | Endrin ketone | 34.2 | | 1 | 0.37 | 3.30 | ug/kg | 11/11/25 14:36 | PB170476 |
| 7421-93-4 | Endrin aldehyde | 33.3 | | 1 | 0.73 | 3.30 | ug/kg | 11/11/25 14:36 | PB170476 |
| 5103-71-9 | alpha-Chlordane | 33.0 | | 1 | 0.24 | 3.30 | ug/kg | 11/11/25 14:36 | PB170476 |
| 5103-74-2 | gamma-Chlordane | 32.8 | | 1 | 0.29 | 3.30 | ug/kg | 11/11/25 14:36 | PB170476 |
| 8001-35-2 | Toxaphene | 10.6 | U | 1 | 10.6 | 64.7 | ug/kg | 11/11/25 14:36 | PB170476 |
| **SURROGATES** | | | | | | | | | |
| 2051-24-3 | Decachlorobiphenyl | 16.6 | | | 30 (10) - 150 (143) | 83% | SPK: 20 | | |
| 877-09-8 | Tetrachloro-m-xylene | 17.3 | | | 30 (10) - 150 (131) | 86% | SPK: 20 | | |

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

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

# CALIBRATION SUMMARY

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



## RETENTION TIMES OF INITIAL CALIBRATION

**Lab Name:** Alliance
**Lab Code:** ACE
**Instrument ID:** ECD_D
**Contract:** REMI02
**SDG NO.:** Q3586
**Calibration Date(s):** 10/17/2025 10/17/2025
**Calibration Times:** 11:34 12:28

GC Column: ZB-MR1 ID: 0.32 (mm)

**LAB FILE ID:** RT 100 = PD090650.D RT 075 = PD090651.D
RT 050 = PD090652.D RT 025 = PD090653.D RT 005 = PD090654.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 | 5.26 | 5.27 | 5.26 | 5.26 | 5.26 | 5.26 | 5.16 | 5.36 |
| alpha-BHC | 3.99 | 3.99 | 3.99 | 3.99 | 3.99 | 3.99 | 3.89 | 4.09 |
| alpha-Chlordane | 6.02 | 6.02 | 6.02 | 6.02 | 6.02 | 6.02 | 5.92 | 6.12 |
| beta-BHC | 4.51 | 4.51 | 4.51 | 4.51 | 4.51 | 4.51 | 4.41 | 4.61 |
| Decachlorobiphenyl | 9.07 | 9.07 | 9.06 | 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 | 6.34 | 6.34 | 6.34 | 6.34 | 6.34 | 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 | 6.78 | 6.78 | 6.78 | 6.78 | 6.78 | 6.78 | 6.68 | 6.88 |
| Endosulfan sulfate | 7.15 | 7.15 | 7.15 | 7.14 | 7.14 | 7.14 | 7.04 | 7.24 |
| 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 | 7.62 | 7.62 | 7.52 | 7.72 |
| gamma-BHC (Lindane) | 4.32 | 4.33 | 4.33 | 4.32 | 4.32 | 4.32 | 4.22 | 4.42 |
| gamma-Chlordane | 5.94 | 5.94 | 5.94 | 5.94 | 5.94 | 5.94 | 5.84 | 6.04 |
| Heptachlor | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.82 | 5.02 |
| Heptachlor epoxide | 5.69 | 5.69 | 5.68 | 5.68 | 5.68 | 5.68 | 5.58 | 5.78 |
| Methoxychlor | 7.49 | 7.49 | 7.49 | 7.49 | 7.49 | 7.49 | 7.39 | 7.59 |
| Tetrachloro-m-xylene | 3.54 | 3.55 | 3.55 | 3.54 | 3.54 | 3.54 | 3.44 | 3.64 |

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## RETENTION TIMES OF INITIAL CALIBRATION

**Lab Name:** Alliance
**Lab Code:** ACE
**Instrument ID:** ECD_D
**Contract:** REMI02
**SDG NO.:** Q3586
**Calibration Date(s):** 10/17/2025 10/17/2025
**Calibration Times:** 11:34 12:28

GC Column: ZB-MR2 ID: 0.32 (mm)

**LAB FILE ID:** RT 100 = PD090650.D RT 075 = PD090651.D
RT 050 = PD090652.D RT 025 = PD090653.D RT 005 = PD090654.D

| COMPOUND | RT 100 | RT 075 | RT 050 | RT 025 | RT 005 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|
| 4,4'-DDD | 5.92 | 5.92 | 5.92 | 5.92 | 5.92 | 5.92 | 5.82 | 6.02 |
| 4,4'-DDE | 5.37 | 5.37 | 5.37 | 5.37 | 5.37 | 5.37 | 5.27 | 5.47 |
| 4,4'-DDT | 6.17 | 6.18 | 6.17 | 6.17 | 6.18 | 6.17 | 6.07 | 6.27 |
| Aldrin | 4.36 | 4.36 | 4.36 | 4.36 | 4.36 | 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 | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.08 | 5.28 |
| beta-BHC | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 4.02 | 3.92 | 4.12 |
| Decachlorobiphenyl | 8.06 | 8.06 | 8.06 | 8.06 | 8.06 | 8.06 | 7.96 | 8.16 |
| delta-BHC | 4.26 | 4.26 | 4.26 | 4.26 | 4.26 | 4.26 | 4.16 | 4.36 |
| Dieldrin | 5.50 | 5.50 | 5.50 | 5.50 | 5.50 | 5.50 | 5.40 | 5.60 |
| Endosulfan I | 5.24 | 5.24 | 5.24 | 5.24 | 5.24 | 5.24 | 5.14 | 5.34 |
| Endosulfan II | 6.07 | 6.07 | 6.07 | 6.07 | 6.07 | 6.07 | 5.97 | 6.17 |
| Endosulfan sulfate | 6.47 | 6.47 | 6.47 | 6.47 | 6.47 | 6.47 | 6.37 | 6.57 |
| Endrin | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.78 | 5.68 | 5.88 |
| Endrin aldehyde | 6.25 | 6.25 | 6.25 | 6.25 | 6.25 | 6.25 | 6.15 | 6.35 |
| Endrin ketone | 6.98 | 6.98 | 6.98 | 6.98 | 6.98 | 6.98 | 6.88 | 7.08 |
| gamma-BHC (Lindane) | 3.72 | 3.72 | 3.72 | 3.72 | 3.72 | 3.72 | 3.62 | 3.82 |
| 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 | 4.07 | 4.08 | 4.07 | 3.97 | 4.17 |
| Heptachlor epoxide | 4.86 | 4.87 | 4.86 | 4.86 | 4.86 | 4.86 | 4.76 | 4.96 |
| Methoxychlor | 6.75 | 6.75 | 6.75 | 6.74 | 6.75 | 6.74 | 6.64 | 6.84 |
| Tetrachloro-m-xylene | 2.87 | 2.88 | 2.88 | 2.87 | 2.87 | 2.87 | 2.77 | 2.97 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Lab Name:** Alliance
**Lab Code:** ACE
**Instrument ID:** ECD_D

**Contract:** REMI02
**SDG NO.:** Q3586
**Calibration Date(s):** 10/17/2025 10/17/2025
**Calibration Times:** 11:34 12:28

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)**

**LAB FILE ID:** **CF 100 =** PD090650.D **CF 075 =** PD090651.D
**CF 050 =** PD090652.D **CF 025 =** PD090653.D **CF 005 =** PD090654.D

| COMPOUND | CF 100 | CF 075 | CF 050 | CF 025 | CF 005 | CF | % RSD |
|---|---|---|---|---|---|---|---|
| 4,4'-DDD | 4150980000 | 4075270000 | 4055470000 | 3840760000 | 4148570000 | 4054210000 | 3 |
| 4,4'-DDE | 5435610000 | 5370750000 | 5317610000 | 5053060000 | 5456160000 | 5326640000 | 3 |
| 4,4'-DDT | 4256810000 | 4152600000 | 4117930000 | 3927880000 | 4097130000 | 4110470000 | 3 |
| Aldrin | 6694230000 | 6562230000 | 6516940000 | 6238140000 | 6724820000 | 6547270000 | 3 |
| alpha-BHC | 7752530000 | 7402380000 | 7252210000 | 6743070000 | 6735520000 | 7177140000 | 6 |
| alpha-Chlordane | 5966070000 | 5905470000 | 5938650000 | 6170460000 | 6920630000 | 6180250000 | 7 |
| beta-BHC | 2515210000 | 2489310000 | 2540370000 | 2560620000 | 2992650000 | 2619630000 | 8 |
| Decachlorobiphenyl | 4361180000 | 4315270000 | 4506230000 | 4707060000 | 5500070000 | 4677960000 | 10 |
| delta-BHC | 7169260000 | 6905720000 | 6771510000 | 6342450000 | 6619680000 | 6761720000 | 5 |
| Dieldrin | 5929890000 | 5841940000 | 5818180000 | 5550330000 | 6016400000 | 5831350000 | 3 |
| Endosulfan I | 5452270000 | 5404490000 | 5449050000 | 5348660000 | 6028770000 | 5536650000 | 5 |
| Endosulfan II | 4873230000 | 4835950000 | 4885080000 | 4789750000 | 5615800000 | 4999960000 | 7 |
| Endosulfan sulfate | 4557060000 | 4504850000 | 4556170000 | 4479960000 | 5092920000 | 4638190000 | 6 |
| Endrin | 5035940000 | 4962910000 | 4938250000 | 4711180000 | 5120260000 | 4953710000 | 3 |
| Endrin aldehyde | 3505880000 | 3507960000 | 3571680000 | 3579710000 | 4148280000 | 3662700000 | 7 |
| Endrin ketone | 4819770000 | 4736510000 | 4782320000 | 4695250000 | 5260400000 | 4858850000 | 5 |
| gamma-BHC (Lindane) | 7185880000 | 6905860000 | 6799650000 | 6417980000 | 6684750000 | 6798820000 | 4 |
| gamma-Chlordane | 5972450000 | 5894040000 | 5855640000 | 5592670000 | 6341090000 | 5931180000 | 5 |
| Heptachlor | 5757910000 | 5597510000 | 5545540000 | 5288860000 | 5757970000 | 5589560000 | 3 |
| Heptachlor epoxide | 5795570000 | 5708170000 | 5718680000 | 5584980000 | 6137920000 | 5789060000 | 4 |
| Methoxychlor | 2050060000 | 2015340000 | 2078640000 | 2094570000 | 2389310000 | 2125590000 | 7 |
| Tetrachloro-m-xylene | 3010860000 | 2951180000 | 3030100000 | 3124300000 | 3454390000 | 3114160000 | 6 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Lab Name:** Alliance
**Lab Code:** ACE
**Instrument ID:** ECD_D

**Contract:** REMI02
**SDG NO.:** Q3586
**Calibration Date(s):** 10/17/2025 10/17/2025
**Calibration Times:** 11:34 12:28

**GC Column:** ZB-MR2 **ID:** 0.32 (mm)

**LAB FILE ID:** CF 100 = PD090650.D CF 075 = PD090651.D
CF 050 = PD090652.D CF 025 = PD090653.D CF 005 = PD090654.D

| COMPOUND | CF 100 | CF 075 | CF 050 | CF 025 | CF 005 | CF | % RSD |
|---|---|---|---|---|---|---|---|
| 4,4'-DDD | 33708900000 | 34309400000 | 35560900000 | 36237500000 | 42373300000 | 36438000000 | 10 |
| 4,4'-DDE | 40500800000 | 41191000000 | 42548600000 | 43577200000 | 51373700000 | 43838300000 | 10 |
| 4,4'-DDT | 33888000000 | 33982600000 | 34868200000 | 34959100000 | 37667600000 | 35073100000 | 4 |
| Aldrin | 43083800000 | 43574800000 | 45033800000 | 46172400000 | 53729700000 | 46318900000 | 9 |
| alpha-BHC | 49118000000 | 48392000000 | 49683700000 | 50500300000 | 57784900000 | 51095800000 | 7 |
| alpha-Chlordane | 40004000000 | 40550200000 | 41893000000 | 42708900000 | 50532500000 | 43137700000 | 10 |
| beta-BHC | 18296700000 | 18365500000 | 19080800000 | 19804100000 | 23600800000 | 19829500000 | 11 |
| Decachlorobiphenyl | 28856800000 | 28247200000 | 29308000000 | 30057200000 | 34987600000 | 30291400000 | 9 |
| delta-BHC | 45324900000 | 45220200000 | 46466400000 | 47155800000 | 54416000000 | 47716700000 | 8 |
| Dieldrin | 40601100000 | 41425500000 | 43096200000 | 44203200000 | 51593900000 | 44184000000 | 10 |
| Endosulfan I | 35728600000 | 36586400000 | 38185700000 | 39478600000 | 46972400000 | 39390300000 | 11 |
| Endosulfan II | 34269700000 | 34968100000 | 36432200000 | 37520200000 | 44587200000 | 37555500000 | 11 |
| Endosulfan sulfate | 32963400000 | 33538900000 | 34960800000 | 35861000000 | 41900900000 | 35845000000 | 10 |
| Endrin | 36902000000 | 37827400000 | 39400900000 | 40693000000 | 47646500000 | 40494000000 | 11 |
| Endrin aldehyde | 25110900000 | 25739400000 | 26893100000 | 27767400000 | 32953200000 | 27692800000 | 11 |
| Endrin ketone | 34460000000 | 35020500000 | 36550700000 | 37816700000 | 44740900000 | 37717800000 | 11 |
| gamma-BHC (Lindane) | 44964800000 | 44604900000 | 45972800000 | 46808300000 | 53893500000 | 47248900000 | 8 |
| gamma-Chlordane | 41920800000 | 42422300000 | 43748100000 | 44346600000 | 52306700000 | 44948900000 | 9 |
| Heptachlor | 41272300000 | 41810600000 | 43239300000 | 44502900000 | 52189000000 | 44602800000 | 10 |
| Heptachlor epoxide | 38203400000 | 38891500000 | 40672900000 | 42374400000 | 53052500000 | 42639000000 | 14 |
| Methoxychlor | 16116900000 | 16316400000 | 17198900000 | 17735100000 | 19771700000 | 17427800000 | 8 |
| Tetrachloro-m-xylene | 27903400000 | 27689100000 | 28617400000 | 29726500000 | 34949400000 | 29777100000 | 10 |

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## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**Instrument ID:** ECD_D **Date(s) Analyzed:** 10/17/2025 10/17/2025

**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 | 32564400 |
| | | 2 | 6.44 | 6.34 | 6.54 | 48621800 |
| | | 3 | 7.14 | 7.04 | 7.24 | 85710600 |
| | | 4 | 7.56 | 7.46 | 7.66 | 95737400 |
| | | 5 | 7.92 | 7.82 | 8.02 | 60480500 |

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## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**Instrument ID:** ECD_D **Date(s) Analyzed:** 10/17/2025 10/17/2025

**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 | 263702000 |
| | | 2 | 5.64 | 5.54 | 5.74 | 176560000 |
| | | 3 | 6.75 | 6.65 | 6.85 | 658883000 |
| | | 4 | 7.19 | 7.09 | 7.29 | 495104000 |
| | | 5 | 7.32 | 7.22 | 7.42 | 246033000 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**Continuing Calib Date:** 11/11/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

**Continuing Calib Time:** 09:26 **Initial Calibration Time(s):** 11:34 12:28

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)**

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.07 | 9.06 | 8.96 | 9.16 | 0.00 |
| Tetrachloro-m-xylene | 3.54 | 3.55 | 3.45 | 3.65 | 0.01 |
| alpha-BHC | 3.99 | 3.99 | 3.89 | 4.09 | 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) | 4.32 | 4.33 | 4.23 | 4.43 | 0.01 |
| Heptachlor | 4.92 | 4.92 | 4.82 | 5.02 | 0.00 |
| Aldrin | 5.26 | 5.26 | 5.16 | 5.36 | 0.00 |
| Heptachlor epoxide | 5.68 | 5.68 | 5.58 | 5.78 | 0.00 |
| Endosulfan I | 6.07 | 6.07 | 5.97 | 6.17 | 0.00 |
| Dieldrin | 6.34 | 6.34 | 6.24 | 6.44 | 0.00 |
| 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 | 0.01 |
| 4,4'-DDT | 7.02 | 7.02 | 6.92 | 7.12 | 0.01 |
| 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 | 6.02 | 5.92 | 6.12 | 0.00 |
| gamma-Chlordane | 5.94 | 5.94 | 5.84 | 6.04 | 0.00 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**Continuing Calib Date:** 11/11/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

**Continuing Calib Time:** 09:26 **Initial Calibration Time(s):** 11:34 12:28

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)**

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.06 | 8.06 | 7.96 | 8.16 | 0.00 |
| Tetrachloro-m-xylene | 2.87 | 2.88 | 2.78 | 2.98 | 0.01 |
| alpha-BHC | 3.39 | 3.39 | 3.29 | 3.49 | 0.01 |
| beta-BHC | 4.02 | 4.02 | 3.92 | 4.12 | 0.00 |
| delta-BHC | 4.25 | 4.26 | 4.16 | 4.36 | 0.01 |
| gamma-BHC (Lindane) | 3.72 | 3.72 | 3.62 | 3.82 | 0.00 |
| Heptachlor | 4.07 | 4.08 | 3.98 | 4.18 | 0.01 |
| Aldrin | 4.36 | 4.36 | 4.26 | 4.46 | 0.00 |
| Heptachlor epoxide | 4.86 | 4.86 | 4.76 | 4.96 | 0.00 |
| Endosulfan I | 5.24 | 5.24 | 5.14 | 5.34 | 0.00 |
| Dieldrin | 5.50 | 5.50 | 5.40 | 5.60 | 0.00 |
| 4,4'-DDE | 5.36 | 5.37 | 5.27 | 5.47 | 0.01 |
| Endrin | 5.78 | 5.78 | 5.68 | 5.88 | 0.00 |
| Endosulfan II | 6.07 | 6.07 | 5.97 | 6.17 | 0.00 |
| 4,4'-DDD | 5.92 | 5.92 | 5.82 | 6.02 | 0.00 |
| Endosulfan sulfate | 6.47 | 6.47 | 6.37 | 6.57 | 0.00 |
| 4,4'-DDT | 6.17 | 6.17 | 6.07 | 6.27 | 0.00 |
| Methoxychlor | 6.74 | 6.75 | 6.65 | 6.85 | 0.01 |
| Endrin ketone | 6.98 | 6.98 | 6.88 | 7.08 | 0.00 |
| Endrin aldehyde | 6.25 | 6.25 | 6.15 | 6.35 | 0.00 |
| alpha-Chlordane | 5.18 | 5.18 | 5.08 | 5.28 | 0.00 |
| gamma-Chlordane | 5.12 | 5.12 | 5.02 | 5.22 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No.:** CCAL01 **Date Analyzed:** 11/11/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PD091052.D **Time Analyzed:** 09:26

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 6.700 | 6.600 | 6.800 | 47.930 | 50.000 | -4.1 |
| 4,4'-DDE | 6.189 | 6.090 | 6.290 | 45.680 | 50.000 | -8.6 |
| 4,4'-DDT | 7.015 | 6.915 | 7.115 | 45.970 | 50.000 | -8.1 |
| Aldrin | 5.263 | 5.164 | 5.364 | 46.770 | 50.000 | -6.5 |
| alpha-BHC | 3.993 | 3.894 | 4.094 | 48.020 | 50.000 | -4.0 |
| alpha-Chlordane | 6.020 | 5.921 | 6.121 | 44.830 | 50.000 | -10.3 |
| beta-BHC | 4.512 | 4.412 | 4.612 | 46.640 | 50.000 | -6.7 |
| Decachlorobiphenyl | 9.065 | 8.964 | 9.164 | 40.770 | 50.000 | -18.5 |
| delta-BHC | 4.760 | 4.660 | 4.860 | 47.520 | 50.000 | -5.0 |
| Dieldrin | 6.340 | 6.240 | 6.440 | 46.640 | 50.000 | -6.7 |
| Endosulfan I | 6.067 | 5.968 | 6.168 | 46.250 | 50.000 | -7.5 |
| Endosulfan II | 6.781 | 6.681 | 6.881 | 44.170 | 50.000 | -11.7 |
| Endosulfan sulfate | 7.145 | 7.045 | 7.245 | 44.560 | 50.000 | -10.9 |
| Endrin | 6.568 | 6.468 | 6.668 | 44.690 | 50.000 | -10.6 |
| Endrin aldehyde | 6.910 | 6.810 | 7.010 | 44.860 | 50.000 | -10.3 |
| Endrin ketone | 7.625 | 7.525 | 7.725 | 45.420 | 50.000 | -9.2 |
| gamma-BHC (Lindane) | 4.324 | 4.225 | 4.425 | 47.370 | 50.000 | -5.3 |
| gamma-Chlordane | 5.939 | 5.840 | 6.040 | 45.910 | 50.000 | -8.2 |
| Heptachlor | 4.922 | 4.823 | 5.023 | 56.770 | 50.000 | 13.5 |
| Heptachlor epoxide | 5.684 | 5.584 | 5.784 | 46.640 | 50.000 | -6.7 |
| Methoxychlor | 7.488 | 7.388 | 7.588 | 45.160 | 50.000 | -9.7 |
| Tetrachloro-m-xylene | 3.544 | 3.445 | 3.645 | 46.290 | 50.000 | -7.4 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No.:** CCAL01 **Date Analyzed:** 11/11/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PD091052.D **Time Analyzed:** 09:26

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 5.919 | 5.821 | 6.021 | 52.740 | 50.000 | 5.5 |
| 4,4'-DDE | 5.364 | 5.266 | 5.466 | 51.460 | 50.000 | 2.9 |
| 4,4'-DDT | 6.173 | 6.074 | 6.274 | 51.330 | 50.000 | 2.7 |
| Aldrin | 4.359 | 4.261 | 4.461 | 51.960 | 50.000 | 3.9 |
| alpha-BHC | 3.385 | 3.287 | 3.487 | 52.820 | 50.000 | 5.6 |
| alpha-Chlordane | 5.180 | 5.081 | 5.281 | 51.460 | 50.000 | 2.9 |
| beta-BHC | 4.018 | 3.919 | 4.119 | 51.530 | 50.000 | 3.1 |
| Decachlorobiphenyl | 8.060 | 7.962 | 8.162 | 48.670 | 50.000 | -2.7 |
| delta-BHC | 4.254 | 4.155 | 4.355 | 52.350 | 50.000 | 4.7 |
| Dieldrin | 5.502 | 5.404 | 5.604 | 51.890 | 50.000 | 3.8 |
| Endosulfan I | 5.237 | 5.138 | 5.338 | 51.410 | 50.000 | 2.8 |
| Endosulfan II | 6.071 | 5.972 | 6.172 | 51.000 | 50.000 | 2.0 |
| Endosulfan sulfate | 6.472 | 6.374 | 6.574 | 50.850 | 50.000 | 1.7 |
| Endrin | 5.779 | 5.681 | 5.881 | 50.610 | 50.000 | 1.2 |
| Endrin aldehyde | 6.249 | 6.150 | 6.350 | 50.690 | 50.000 | 1.4 |
| Endrin ketone | 6.982 | 6.883 | 7.083 | 51.750 | 50.000 | 3.5 |
| gamma-BHC (Lindane) | 3.722 | 3.623 | 3.823 | 52.540 | 50.000 | 5.1 |
| gamma-Chlordane | 5.115 | 5.017 | 5.217 | 51.560 | 50.000 | 3.1 |
| Heptachlor | 4.073 | 3.975 | 4.175 | 53.950 | 50.000 | 7.9 |
| Heptachlor epoxide | 4.863 | 4.764 | 4.964 | 50.620 | 50.000 | 1.2 |
| Methoxychlor | 6.743 | 6.645 | 6.845 | 50.330 | 50.000 | 0.7 |
| Tetrachloro-m-xylene | 2.874 | 2.775 | 2.975 | 52.220 | 50.000 | 4.4 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**Continuing Calib Date:** 11/11/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

**Continuing Calib Time:** 15:58 **Initial Calibration Time(s):** 11:34 12:28

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)**

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.07 | 9.06 | 8.96 | 9.16 | -0.01 |
| Tetrachloro-m-xylene | 3.54 | 3.55 | 3.45 | 3.65 | 0.01 |
| alpha-BHC | 3.99 | 3.99 | 3.89 | 4.09 | 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) | 4.32 | 4.33 | 4.23 | 4.43 | 0.01 |
| Heptachlor | 4.92 | 4.92 | 4.82 | 5.02 | 0.00 |
| Aldrin | 5.26 | 5.26 | 5.16 | 5.36 | 0.00 |
| Heptachlor epoxide | 5.68 | 5.68 | 5.58 | 5.78 | 0.00 |
| Endosulfan I | 6.07 | 6.07 | 5.97 | 6.17 | 0.00 |
| Dieldrin | 6.34 | 6.34 | 6.24 | 6.44 | 0.00 |
| 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 | 0.01 |
| 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 | 6.02 | 5.92 | 6.12 | 0.00 |
| gamma-Chlordane | 5.94 | 5.94 | 5.84 | 6.04 | 0.00 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**Continuing Calib Date:** 11/11/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

**Continuing Calib Time:** 15:58 **Initial Calibration Time(s):** 11:34 12:28

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)**

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.06 | 8.06 | 7.96 | 8.16 | 0.00 |
| Tetrachloro-m-xylene | 2.87 | 2.88 | 2.78 | 2.98 | 0.01 |
| alpha-BHC | 3.39 | 3.39 | 3.29 | 3.49 | 0.01 |
| beta-BHC | 4.02 | 4.02 | 3.92 | 4.12 | 0.00 |
| delta-BHC | 4.25 | 4.26 | 4.16 | 4.36 | 0.01 |
| gamma-BHC (Lindane) | 3.72 | 3.72 | 3.62 | 3.82 | 0.00 |
| Heptachlor | 4.07 | 4.08 | 3.98 | 4.18 | 0.01 |
| Aldrin | 4.36 | 4.36 | 4.26 | 4.46 | 0.00 |
| Heptachlor epoxide | 4.86 | 4.86 | 4.76 | 4.96 | 0.00 |
| Endosulfan I | 5.24 | 5.24 | 5.14 | 5.34 | 0.00 |
| Dieldrin | 5.50 | 5.50 | 5.40 | 5.60 | 0.00 |
| 4,4'-DDE | 5.36 | 5.37 | 5.27 | 5.47 | 0.01 |
| Endrin | 5.78 | 5.78 | 5.68 | 5.88 | 0.00 |
| Endosulfan II | 6.07 | 6.07 | 5.97 | 6.17 | 0.00 |
| 4,4'-DDD | 5.92 | 5.92 | 5.82 | 6.02 | 0.00 |
| Endosulfan sulfate | 6.47 | 6.47 | 6.37 | 6.57 | 0.00 |
| 4,4'-DDT | 6.17 | 6.17 | 6.07 | 6.27 | 0.00 |
| Methoxychlor | 6.74 | 6.75 | 6.65 | 6.85 | 0.01 |
| Endrin ketone | 6.98 | 6.98 | 6.88 | 7.08 | 0.00 |
| Endrin aldehyde | 6.25 | 6.25 | 6.15 | 6.35 | 0.00 |
| alpha-Chlordane | 5.18 | 5.18 | 5.08 | 5.28 | 0.00 |
| gamma-Chlordane | 5.12 | 5.12 | 5.02 | 5.22 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No.:** CCAL02 **Date Analyzed:** 11/11/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PD091069.D **Time Analyzed:** 15:58

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 6.700 | 6.600 | 6.800 | 46.770 | 50.000 | -6.5 |
| 4,4'-DDE | 6.190 | 6.090 | 6.290 | 44.410 | 50.000 | -11.2 |
| 4,4'-DDT | 7.016 | 6.915 | 7.115 | 44.490 | 50.000 | -11.0 |
| Aldrin | 5.263 | 5.164 | 5.364 | 45.710 | 50.000 | -8.6 |
| alpha-BHC | 3.993 | 3.894 | 4.094 | 47.310 | 50.000 | -5.4 |
| alpha-Chlordane | 6.020 | 5.921 | 6.121 | 42.890 | 50.000 | -14.2 |
| beta-BHC | 4.511 | 4.412 | 4.612 | 45.720 | 50.000 | -8.6 |
| Decachlorobiphenyl | 9.066 | 8.964 | 9.164 | 42.180 | 50.000 | -15.6 |
| delta-BHC | 4.759 | 4.660 | 4.860 | 46.470 | 50.000 | -7.1 |
| Dieldrin | 6.341 | 6.240 | 6.440 | 44.580 | 50.000 | -10.8 |
| Endosulfan I | 6.068 | 5.968 | 6.168 | 44.380 | 50.000 | -11.2 |
| Endosulfan II | 6.781 | 6.681 | 6.881 | 42.760 | 50.000 | -14.5 |
| Endosulfan sulfate | 7.145 | 7.045 | 7.245 | 43.560 | 50.000 | -12.9 |
| Endrin | 6.568 | 6.468 | 6.668 | 43.400 | 50.000 | -13.2 |
| Endrin aldehyde | 6.910 | 6.810 | 7.010 | 43.990 | 50.000 | -12.0 |
| Endrin ketone | 7.626 | 7.525 | 7.725 | 44.810 | 50.000 | -10.4 |
| gamma-BHC (Lindane) | 4.324 | 4.225 | 4.425 | 46.490 | 50.000 | -7.0 |
| gamma-Chlordane | 5.939 | 5.840 | 6.040 | 44.130 | 50.000 | -11.7 |
| Heptachlor | 4.921 | 4.823 | 5.023 | 55.010 | 50.000 | 10.0 |
| Heptachlor epoxide | 5.682 | 5.584 | 5.784 | 45.090 | 50.000 | -9.8 |
| Methoxychlor | 7.489 | 7.388 | 7.588 | 44.120 | 50.000 | -11.8 |
| Tetrachloro-m-xylene | 3.543 | 3.445 | 3.645 | 46.120 | 50.000 | -7.8 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No.:** CCAL02 **Date Analyzed:** 11/11/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PD091069.D **Time Analyzed:** 15:58

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 5.919 | 5.821 | 6.021 | 49.330 | 50.000 | -1.3 |
| 4,4'-DDE | 5.364 | 5.266 | 5.466 | 47.770 | 50.000 | -4.5 |
| 4,4'-DDT | 6.173 | 6.074 | 6.274 | 47.280 | 50.000 | -5.4 |
| Aldrin | 4.358 | 4.261 | 4.461 | 48.890 | 50.000 | -2.2 |
| alpha-BHC | 3.385 | 3.287 | 3.487 | 50.250 | 50.000 | 0.5 |
| alpha-Chlordane | 5.180 | 5.081 | 5.281 | 47.750 | 50.000 | -4.5 |
| beta-BHC | 4.018 | 3.919 | 4.119 | 49.010 | 50.000 | -2.0 |
| Decachlorobiphenyl | 8.060 | 7.962 | 8.162 | 45.830 | 50.000 | -8.3 |
| delta-BHC | 4.254 | 4.155 | 4.355 | 49.490 | 50.000 | -1.0 |
| Dieldrin | 5.502 | 5.404 | 5.604 | 48.120 | 50.000 | -3.8 |
| Endosulfan I | 5.237 | 5.138 | 5.338 | 47.550 | 50.000 | -4.9 |
| Endosulfan II | 6.070 | 5.972 | 6.172 | 47.490 | 50.000 | -5.0 |
| Endosulfan sulfate | 6.472 | 6.374 | 6.574 | 47.450 | 50.000 | -5.1 |
| Endrin | 5.779 | 5.681 | 5.881 | 47.840 | 50.000 | -4.3 |
| Endrin aldehyde | 6.249 | 6.150 | 6.350 | 47.200 | 50.000 | -5.6 |
| Endrin ketone | 6.981 | 6.883 | 7.083 | 47.690 | 50.000 | -4.6 |
| gamma-BHC (Lindane) | 3.721 | 3.623 | 3.823 | 49.700 | 50.000 | -0.6 |
| gamma-Chlordane | 5.115 | 5.017 | 5.217 | 47.830 | 50.000 | -4.3 |
| Heptachlor | 4.073 | 3.975 | 4.175 | 51.050 | 50.000 | 2.1 |
| Heptachlor epoxide | 4.862 | 4.764 | 4.964 | 47.460 | 50.000 | -5.1 |
| Methoxychlor | 6.743 | 6.645 | 6.845 | 47.560 | 50.000 | -4.9 |
| Tetrachloro-m-xylene | 2.873 | 2.775 | 2.975 | 49.860 | 50.000 | -0.3 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**Continuing Calib Date:** 11/12/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

**Continuing Calib Time:** 09:28 **Initial Calibration Time(s):** 11:34 12:28

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)**

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.07 | 9.06 | 8.96 | 9.16 | -0.01 |
| Tetrachloro-m-xylene | 3.54 | 3.55 | 3.45 | 3.65 | 0.01 |
| alpha-BHC | 3.99 | 3.99 | 3.89 | 4.09 | 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) | 4.32 | 4.33 | 4.23 | 4.43 | 0.01 |
| Heptachlor | 4.92 | 4.92 | 4.82 | 5.02 | 0.00 |
| Aldrin | 5.26 | 5.26 | 5.16 | 5.36 | 0.00 |
| Heptachlor epoxide | 5.68 | 5.68 | 5.58 | 5.78 | 0.00 |
| Endosulfan I | 6.07 | 6.07 | 5.97 | 6.17 | 0.00 |
| Dieldrin | 6.34 | 6.34 | 6.24 | 6.44 | 0.00 |
| 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 | 0.01 |
| 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 | 6.02 | 5.92 | 6.12 | 0.00 |
| gamma-Chlordane | 5.94 | 5.94 | 5.84 | 6.04 | 0.00 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**Continuing Calib Date:** 11/12/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

**Continuing Calib Time:** 09:28 **Initial Calibration Time(s):** 11:34 12:28

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)**

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.06 | 8.06 | 7.96 | 8.16 | 0.00 |
| Tetrachloro-m-xylene | 2.87 | 2.88 | 2.78 | 2.98 | 0.01 |
| alpha-BHC | 3.39 | 3.39 | 3.29 | 3.49 | 0.01 |
| beta-BHC | 4.02 | 4.02 | 3.92 | 4.12 | 0.00 |
| delta-BHC | 4.25 | 4.26 | 4.16 | 4.36 | 0.01 |
| gamma-BHC (Lindane) | 3.72 | 3.72 | 3.62 | 3.82 | 0.00 |
| Heptachlor | 4.07 | 4.08 | 3.98 | 4.18 | 0.01 |
| Aldrin | 4.36 | 4.36 | 4.26 | 4.46 | 0.00 |
| Heptachlor epoxide | 4.86 | 4.86 | 4.76 | 4.96 | 0.00 |
| Endosulfan I | 5.24 | 5.24 | 5.14 | 5.34 | 0.00 |
| Dieldrin | 5.50 | 5.50 | 5.40 | 5.60 | 0.00 |
| 4,4'-DDE | 5.36 | 5.37 | 5.27 | 5.47 | 0.01 |
| Endrin | 5.78 | 5.78 | 5.68 | 5.88 | 0.00 |
| Endosulfan II | 6.07 | 6.07 | 5.97 | 6.17 | 0.00 |
| 4,4'-DDD | 5.92 | 5.92 | 5.82 | 6.02 | 0.00 |
| Endosulfan sulfate | 6.47 | 6.47 | 6.37 | 6.57 | 0.00 |
| 4,4'-DDT | 6.17 | 6.17 | 6.07 | 6.27 | 0.00 |
| Methoxychlor | 6.74 | 6.75 | 6.65 | 6.85 | 0.01 |
| Endrin ketone | 6.98 | 6.98 | 6.88 | 7.08 | 0.00 |
| Endrin aldehyde | 6.25 | 6.25 | 6.15 | 6.35 | 0.00 |
| alpha-Chlordane | 5.18 | 5.18 | 5.08 | 5.28 | 0.00 |
| gamma-Chlordane | 5.12 | 5.12 | 5.02 | 5.22 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No.:** CCAL03 **Date Analyzed:** 11/12/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PD091083.D **Time Analyzed:** 09:28

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 6.700 | 6.600 | 6.800 | 50.700 | 50.000 | 1.4 |
| 4,4'-DDE | 6.190 | 6.090 | 6.290 | 47.140 | 50.000 | -5.7 |
| 4,4'-DDT | 7.016 | 6.915 | 7.115 | 46.930 | 50.000 | -6.1 |
| Aldrin | 5.264 | 5.164 | 5.364 | 47.990 | 50.000 | -4.0 |
| alpha-BHC | 3.993 | 3.894 | 4.094 | 49.100 | 50.000 | -1.8 |
| alpha-Chlordane | 6.020 | 5.921 | 6.121 | 46.460 | 50.000 | -7.1 |
| beta-BHC | 4.512 | 4.412 | 4.612 | 47.120 | 50.000 | -5.8 |
| Decachlorobiphenyl | 9.066 | 8.964 | 9.164 | 43.920 | 50.000 | -12.2 |
| delta-BHC | 4.760 | 4.660 | 4.860 | 48.430 | 50.000 | -3.1 |
| Dieldrin | 6.341 | 6.240 | 6.440 | 48.050 | 50.000 | -3.9 |
| Endosulfan I | 6.068 | 5.968 | 6.168 | 47.580 | 50.000 | -4.8 |
| Endosulfan II | 6.781 | 6.681 | 6.881 | 45.840 | 50.000 | -8.3 |
| Endosulfan sulfate | 7.145 | 7.045 | 7.245 | 46.880 | 50.000 | -6.2 |
| Endrin | 6.568 | 6.468 | 6.668 | 45.730 | 50.000 | -8.5 |
| Endrin aldehyde | 6.910 | 6.810 | 7.010 | 47.220 | 50.000 | -5.6 |
| Endrin ketone | 7.625 | 7.525 | 7.725 | 48.450 | 50.000 | -3.1 |
| gamma-BHC (Lindane) | 4.324 | 4.225 | 4.425 | 48.390 | 50.000 | -3.2 |
| gamma-Chlordane | 5.939 | 5.840 | 6.040 | 47.260 | 50.000 | -5.5 |
| Heptachlor | 4.923 | 4.823 | 5.023 | 57.890 | 50.000 | 15.8 |
| Heptachlor epoxide | 5.684 | 5.584 | 5.784 | 48.040 | 50.000 | -3.9 |
| Methoxychlor | 7.489 | 7.388 | 7.588 | 46.930 | 50.000 | -6.1 |
| Tetrachloro-m-xylene | 3.544 | 3.445 | 3.645 | 47.460 | 50.000 | -5.1 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No.:** CCAL03 **Date Analyzed:** 11/12/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PD091083.D **Time Analyzed:** 09:28

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 5.919 | 5.821 | 6.021 | 57.160 | 50.000 | 14.3 |
| 4,4'-DDE | 5.364 | 5.266 | 5.466 | 53.980 | 50.000 | 8.0 |
| 4,4'-DDT | 6.172 | 6.074 | 6.274 | 53.820 | 50.000 | 7.6 |
| Aldrin | 4.359 | 4.261 | 4.461 | 53.990 | 50.000 | 8.0 |
| alpha-BHC | 3.385 | 3.287 | 3.487 | 54.770 | 50.000 | 9.5 |
| alpha-Chlordane | 5.180 | 5.081 | 5.281 | 53.940 | 50.000 | 7.9 |
| beta-BHC | 4.018 | 3.919 | 4.119 | 53.360 | 50.000 | 6.7 |
| Decachlorobiphenyl | 8.060 | 7.962 | 8.162 | 55.600 | 50.000 | 11.2 |
| delta-BHC | 4.254 | 4.155 | 4.355 | 54.010 | 50.000 | 8.0 |
| Dieldrin | 5.502 | 5.404 | 5.604 | 54.550 | 50.000 | 9.1 |
| Endosulfan I | 5.236 | 5.138 | 5.338 | 53.860 | 50.000 | 7.7 |
| Endosulfan II | 6.070 | 5.972 | 6.172 | 54.820 | 50.000 | 9.6 |
| Endosulfan sulfate | 6.472 | 6.374 | 6.574 | 54.680 | 50.000 | 9.4 |
| Endrin | 5.779 | 5.681 | 5.881 | 52.800 | 50.000 | 5.6 |
| Endrin aldehyde | 6.249 | 6.150 | 6.350 | 54.950 | 50.000 | 9.9 |
| Endrin ketone | 6.981 | 6.883 | 7.083 | 57.120 | 50.000 | 14.2 |
| gamma-BHC (Lindane) | 3.721 | 3.623 | 3.823 | 54.230 | 50.000 | 8.5 |
| gamma-Chlordane | 5.115 | 5.017 | 5.217 | 54.010 | 50.000 | 8.0 |
| Heptachlor | 4.073 | 3.975 | 4.175 | 55.610 | 50.000 | 11.2 |
| Heptachlor epoxide | 4.862 | 4.764 | 4.964 | 52.690 | 50.000 | 5.4 |
| Methoxychlor | 6.743 | 6.645 | 6.845 | 53.940 | 50.000 | 7.9 |
| Tetrachloro-m-xylene | 2.874 | 2.775 | 2.975 | 53.990 | 50.000 | 8.0 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**Continuing Calib Date:** 11/12/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

**Continuing Calib Time:** 14:44 **Initial Calibration Time(s):** 11:34 12:28

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)**

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.07 | 9.06 | 8.96 | 9.16 | -0.01 |
| Tetrachloro-m-xylene | 3.54 | 3.55 | 3.45 | 3.65 | 0.01 |
| alpha-BHC | 3.99 | 3.99 | 3.89 | 4.09 | 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) | 4.32 | 4.33 | 4.23 | 4.43 | 0.01 |
| Heptachlor | 4.92 | 4.92 | 4.82 | 5.02 | 0.00 |
| Aldrin | 5.26 | 5.26 | 5.16 | 5.36 | 0.00 |
| Heptachlor epoxide | 5.68 | 5.68 | 5.58 | 5.78 | 0.00 |
| Endosulfan I | 6.07 | 6.07 | 5.97 | 6.17 | 0.00 |
| Dieldrin | 6.34 | 6.34 | 6.24 | 6.44 | 0.00 |
| 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 | 0.01 |
| 4,4'-DDT | 7.02 | 7.02 | 6.92 | 7.12 | 0.01 |
| 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 | 6.02 | 5.92 | 6.12 | 0.00 |
| gamma-Chlordane | 5.94 | 5.94 | 5.84 | 6.04 | 0.00 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**Continuing Calib Date:** 11/12/2025 **Initial Calibration Date(s):** 10/17/2025 10/17/2025

**Continuing Calib Time:** 14:44 **Initial Calibration Time(s):** 11:34 12:28

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)**

| COMPOUND | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.06 | 8.06 | 7.96 | 8.16 | 0.00 |
| Tetrachloro-m-xylene | 2.87 | 2.88 | 2.78 | 2.98 | 0.01 |
| alpha-BHC | 3.39 | 3.39 | 3.29 | 3.49 | 0.01 |
| beta-BHC | 4.02 | 4.02 | 3.92 | 4.12 | 0.00 |
| delta-BHC | 4.25 | 4.26 | 4.16 | 4.36 | 0.01 |
| gamma-BHC (Lindane) | 3.72 | 3.72 | 3.62 | 3.82 | 0.00 |
| Heptachlor | 4.07 | 4.08 | 3.98 | 4.18 | 0.01 |
| Aldrin | 4.36 | 4.36 | 4.26 | 4.46 | 0.00 |
| Heptachlor epoxide | 4.86 | 4.86 | 4.76 | 4.96 | 0.00 |
| Endosulfan I | 5.24 | 5.24 | 5.14 | 5.34 | 0.00 |
| Dieldrin | 5.50 | 5.50 | 5.40 | 5.60 | 0.00 |
| 4,4'-DDE | 5.36 | 5.37 | 5.27 | 5.47 | 0.01 |
| Endrin | 5.78 | 5.78 | 5.68 | 5.88 | 0.00 |
| Endosulfan II | 6.07 | 6.07 | 5.97 | 6.17 | 0.00 |
| 4,4'-DDD | 5.92 | 5.92 | 5.82 | 6.02 | 0.00 |
| Endosulfan sulfate | 6.47 | 6.47 | 6.37 | 6.57 | 0.00 |
| 4,4'-DDT | 6.17 | 6.17 | 6.07 | 6.27 | 0.00 |
| Methoxychlor | 6.74 | 6.75 | 6.65 | 6.85 | 0.01 |
| Endrin ketone | 6.98 | 6.98 | 6.88 | 7.08 | 0.00 |
| Endrin aldehyde | 6.25 | 6.25 | 6.15 | 6.35 | 0.00 |
| alpha-Chlordane | 5.18 | 5.18 | 5.08 | 5.28 | 0.00 |
| gamma-Chlordane | 5.12 | 5.12 | 5.02 | 5.22 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No.:** CCAL04 **Date Analyzed:** 11/12/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PD091106.D **Time Analyzed:** 14:44

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 6.699 | 6.600 | 6.800 | 51.080 | 50.000 | 2.2 |
| 4,4'-DDE | 6.189 | 6.090 | 6.290 | 46.450 | 50.000 | -7.1 |
| 4,4'-DDT | 7.015 | 6.915 | 7.115 | 44.810 | 50.000 | -10.4 |
| Aldrin | 5.263 | 5.164 | 5.364 | 48.170 | 50.000 | -3.7 |
| alpha-BHC | 3.994 | 3.894 | 4.094 | 49.260 | 50.000 | -1.5 |
| alpha-Chlordane | 6.020 | 5.921 | 6.121 | 47.660 | 50.000 | -4.7 |
| beta-BHC | 4.512 | 4.412 | 4.612 | 47.370 | 50.000 | -5.3 |
| Decachlorobiphenyl | 9.066 | 8.964 | 9.164 | 43.620 | 50.000 | -12.8 |
| delta-BHC | 4.760 | 4.660 | 4.860 | 48.920 | 50.000 | -2.2 |
| Dieldrin | 6.340 | 6.240 | 6.440 | 47.810 | 50.000 | -4.4 |
| Endosulfan I | 6.067 | 5.968 | 6.168 | 47.400 | 50.000 | -5.2 |
| Endosulfan II | 6.780 | 6.681 | 6.881 | 45.240 | 50.000 | -9.5 |
| Endosulfan sulfate | 7.145 | 7.045 | 7.245 | 46.470 | 50.000 | -7.1 |
| Endrin | 6.567 | 6.468 | 6.668 | 45.860 | 50.000 | -8.3 |
| Endrin aldehyde | 6.910 | 6.810 | 7.010 | 46.530 | 50.000 | -6.9 |
| Endrin ketone | 7.625 | 7.525 | 7.725 | 47.550 | 50.000 | -4.9 |
| gamma-BHC (Lindane) | 4.324 | 4.225 | 4.425 | 48.390 | 50.000 | -3.2 |
| gamma-Chlordane | 5.939 | 5.840 | 6.040 | 47.140 | 50.000 | -5.7 |
| Heptachlor | 4.922 | 4.823 | 5.023 | 57.320 | 50.000 | 14.6 |
| Heptachlor epoxide | 5.684 | 5.584 | 5.784 | 48.260 | 50.000 | -3.5 |
| Methoxychlor | 7.488 | 7.388 | 7.588 | 45.760 | 50.000 | -8.5 |
| Tetrachloro-m-xylene | 3.544 | 3.445 | 3.645 | 47.550 | 50.000 | -4.9 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No.:** CCAL04 **Date Analyzed:** 11/12/2025

**Lab Sample No.:** PSTDCCC050 **Data File :** PD091106.D **Time Analyzed:** 14:44

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| 4,4'-DDD | 5.919 | 5.821 | 6.021 | 55.810 | 50.000 | 11.6 |
| 4,4'-DDE | 5.364 | 5.266 | 5.466 | 52.120 | 50.000 | 4.2 |
| 4,4'-DDT | 6.172 | 6.074 | 6.274 | 50.000 | 50.000 | 0.0 |
| Aldrin | 4.358 | 4.261 | 4.461 | 52.430 | 50.000 | 4.9 |
| alpha-BHC | 3.385 | 3.287 | 3.487 | 53.050 | 50.000 | 6.1 |
| alpha-Chlordane | 5.179 | 5.081 | 5.281 | 51.920 | 50.000 | 3.8 |
| beta-BHC | 4.017 | 3.919 | 4.119 | 51.780 | 50.000 | 3.6 |
| Decachlorobiphenyl | 8.060 | 7.962 | 8.162 | 53.340 | 50.000 | 6.7 |
| delta-BHC | 4.253 | 4.155 | 4.355 | 52.470 | 50.000 | 4.9 |
| Dieldrin | 5.502 | 5.404 | 5.604 | 52.550 | 50.000 | 5.1 |
| Endosulfan I | 5.236 | 5.138 | 5.338 | 51.700 | 50.000 | 3.4 |
| Endosulfan II | 6.070 | 5.972 | 6.172 | 52.410 | 50.000 | 4.8 |
| Endosulfan sulfate | 6.472 | 6.374 | 6.574 | 52.700 | 50.000 | 5.4 |
| Endrin | 5.779 | 5.681 | 5.881 | 52.500 | 50.000 | 5.0 |
| Endrin aldehyde | 6.249 | 6.150 | 6.350 | 52.420 | 50.000 | 4.8 |
| Endrin ketone | 6.981 | 6.883 | 7.083 | 54.990 | 50.000 | 10.0 |
| gamma-BHC (Lindane) | 3.721 | 3.623 | 3.823 | 52.570 | 50.000 | 5.1 |
| gamma-Chlordane | 5.115 | 5.017 | 5.217 | 52.160 | 50.000 | 4.3 |
| Heptachlor | 4.073 | 3.975 | 4.175 | 53.730 | 50.000 | 7.5 |
| Heptachlor epoxide | 4.862 | 4.764 | 4.964 | 51.170 | 50.000 | 2.3 |
| Methoxychlor | 6.743 | 6.645 | 6.845 | 51.870 | 50.000 | 3.7 |
| Tetrachloro-m-xylene | 2.874 | 2.775 | 2.975 | 52.520 | 50.000 | 5.0 |

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## PESTICIDE CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No. (PEM):** PEM - PD090648.D **Date Analyzed:** 10/17/2025

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 11:07

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.066 | 8.970 | 9.170 | 22.860 | 20.000 | 14.3 |
| Tetrachloro-m-xylene | 3.544 | 3.490 | 3.590 | 21.710 | 20.000 | 8.6 |
| alpha-BHC | 3.994 | 3.940 | 4.040 | 9.050 | 10.000 | -9.5 |
| beta-BHC | 4.512 | 4.460 | 4.560 | 10.070 | 10.000 | 0.7 |
| gamma-BHC (Lindane) | 4.324 | 4.270 | 4.370 | 9.330 | 10.000 | -6.7 |
| Endrin | 6.568 | 6.500 | 6.640 | 49.200 | 50.000 | -1.6 |
| 4,4'-DDT | 7.016 | 6.950 | 7.090 | 100.270 | 100.000 | 0.3 |
| Methoxychlor | 7.489 | 7.420 | 7.560 | 236.810 | 250.000 | -5.3 |

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No. (PEM):** PEM - PD090648.D **Date Analyzed:** 10/17/2025

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 11:07

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.062 | 7.960 | 8.160 | 21.400 | 20.000 | 7.0 |
| Tetrachloro-m-xylene | 2.875 | 2.820 | 2.930 | 21.220 | 20.000 | 6.1 |
| alpha-BHC | 3.386 | 3.340 | 3.440 | 10.300 | 10.000 | 3.0 |
| beta-BHC | 4.019 | 3.970 | 4.070 | 10.460 | 10.000 | 4.6 |
| gamma-BHC (Lindane) | 3.723 | 3.670 | 3.770 | 10.340 | 10.000 | 3.4 |
| Endrin | 5.781 | 5.710 | 5.850 | 47.940 | 50.000 | -4.1 |
| 4,4'-DDT | 6.174 | 6.100 | 6.240 | 95.670 | 100.000 | -4.3 |
| Methoxychlor | 6.745 | 6.670 | 6.820 | 201.830 | 250.000 | -19.3 |

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## PESTICIDE CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No. (PEM):** PEM - PD091051.D **Date Analyzed:** 11/11/2025

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 09:13

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.067 | 8.970 | 9.170 | 20.100 | 20.000 | 0.5 |
| Tetrachloro-m-xylene | 3.544 | 3.490 | 3.590 | 22.260 | 20.000 | 11.3 |
| alpha-BHC | 3.993 | 3.940 | 4.040 | 9.550 | 10.000 | -4.5 |
| beta-BHC | 4.512 | 4.460 | 4.560 | 10.700 | 10.000 | 7.0 |
| gamma-BHC (Lindane) | 4.324 | 4.270 | 4.370 | 9.750 | 10.000 | -2.5 |
| Endrin | 6.568 | 6.500 | 6.640 | 48.230 | 50.000 | -3.5 |
| 4,4'-DDT | 7.016 | 6.950 | 7.090 | 99.550 | 100.000 | -0.5 |
| Methoxychlor | 7.489 | 7.420 | 7.560 | 232.970 | 250.000 | -6.8 |

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No. (PEM):** PEM - PD091051.D **Date Analyzed:** 11/11/2025

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 09:13

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.061 | 7.960 | 8.160 | 24.040 | 20.000 | 20.2 |
| Tetrachloro-m-xylene | 2.874 | 2.820 | 2.920 | 25.160 | 20.000 | 25.8 |
| alpha-BHC | 3.386 | 3.340 | 3.440 | 12.280 | 10.000 | 22.8 |
| beta-BHC | 4.018 | 3.970 | 4.070 | 12.470 | 10.000 | 24.7 |
| gamma-BHC (Lindane) | 3.722 | 3.670 | 3.770 | 12.320 | 10.000 | 23.2 |
| Endrin | 5.779 | 5.710 | 5.850 | 54.560 | 50.000 | 9.1 |
| 4,4'-DDT | 6.173 | 6.100 | 6.240 | 109.940 | 100.000 | 9.9 |
| Methoxychlor | 6.744 | 6.670 | 6.810 | 224.670 | 250.000 | -10.1 |

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## PESTICIDE CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No. (PEM):** PEM - PD091082.D **Date Analyzed:** 11/12/2025

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 09:15

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.066 | 8.970 | 9.170 | 22.200 | 20.000 | 11.0 |
| Tetrachloro-m-xylene | 3.544 | 3.490 | 3.590 | 22.670 | 20.000 | 13.4 |
| alpha-BHC | 3.993 | 3.940 | 4.040 | 9.740 | 10.000 | -2.6 |
| beta-BHC | 4.512 | 4.460 | 4.560 | 10.880 | 10.000 | 8.8 |
| gamma-BHC (Lindane) | 4.324 | 4.270 | 4.370 | 9.950 | 10.000 | -0.5 |
| Endrin | 6.568 | 6.500 | 6.640 | 49.610 | 50.000 | -0.8 |
| 4,4'-DDT | 7.016 | 6.950 | 7.090 | 101.310 | 100.000 | 1.3 |
| Methoxychlor | 7.489 | 7.420 | 7.560 | 239.230 | 250.000 | -4.3 |

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

**Client Sample No. (PEM):** PEM - PD091082.D **Date Analyzed:** 11/12/2025

**Lab Sample No.(PEM):** PEM **Time Analyzed:** 09:15

| PEM COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.060 | 7.960 | 8.160 | 27.590 | 20.000 | 38.0 |
| Tetrachloro-m-xylene | 2.874 | 2.820 | 2.920 | 26.010 | 20.000 | 30.1 |
| alpha-BHC | 3.385 | 3.330 | 3.440 | 12.640 | 10.000 | 26.4 |
| beta-BHC | 4.018 | 3.970 | 4.070 | 12.860 | 10.000 | 28.6 |
| gamma-BHC (Lindane) | 3.721 | 3.670 | 3.770 | 12.690 | 10.000 | 26.9 |
| Endrin | 5.779 | 5.710 | 5.850 | 56.530 | 50.000 | 13.1 |
| 4,4'-DDT | 6.173 | 6.100 | 6.240 | 114.770 | 100.000 | 14.8 |
| Methoxychlor | 6.743 | 6.670 | 6.810 | 237.130 | 250.000 | -5.1 |

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Fax : 908 789 8922



# Analytical Sequence

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Project:** Edison Landfill **Instrument ID:** ECD_D

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/17/2025 10/17/2025

**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 | 10/17/2025 | 10:53 | PD090647.D | 9.07 | 3.55 |
| PEM | PEM | 10/17/2025 | 11:07 | PD090648.D | 9.07 | 3.54 |
| RESCHK | RESCHK | 10/17/2025 | 11:20 | PD090649.D | 9.07 | 3.54 |
| PSTDICC100 | PSTDICC100 | 10/17/2025 | 11:34 | PD090650.D | 9.07 | 3.54 |
| PSTDICC075 | PSTDICC075 | 10/17/2025 | 11:48 | PD090651.D | 9.07 | 3.55 |
| PSTDICC050 | PSTDICC050 | 10/17/2025 | 12:01 | PD090652.D | 9.06 | 3.55 |
| PSTDICC025 | PSTDICC025 | 10/17/2025 | 12:15 | PD090653.D | 9.07 | 3.54 |
| PSTDICC005 | PSTDICC005 | 10/17/2025 | 12:28 | PD090654.D | 9.07 | 3.54 |
| PCHLORICC500 | PCHLORICC500 | 10/17/2025 | 13:09 | PD090657.D | 9.07 | 3.55 |
| PTOXICC500 | PTOXICC500 | 10/17/2025 | 14:17 | PD090662.D | 9.07 | 3.55 |
| I.BLK | I.BLK | 11/11/2025 | 08:59 | PD091050.D | 9.07 | 3.54 |
| PEM | PEM | 11/11/2025 | 09:13 | PD091051.D | 9.07 | 3.54 |
| PSTDCCC050 | PSTDCCC050 | 11/11/2025 | 09:26 | PD091052.D | 9.07 | 3.54 |
| SED-1 | Q3586-01 | 11/11/2025 | 13:41 | PD091059.D | 9.07 | 3.54 |
| SED-2 | Q3586-02 | 11/11/2025 | 13:55 | PD091060.D | 9.07 | 3.54 |
| SED-3 | Q3586-03 | 11/11/2025 | 14:09 | PD091061.D | 9.07 | 3.54 |
| SED-3MS | Q3586-03MS | 11/11/2025 | 14:22 | PD091062.D | 9.07 | 3.54 |
| SED-3MSD | Q3586-03MSD | 11/11/2025 | 14:36 | PD091063.D | 9.07 | 3.54 |
| I.BLK | I.BLK | 11/11/2025 | 15:31 | PD091067.D | 9.07 | 3.54 |
| PSTDCCC050 | PSTDCCC050 | 11/11/2025 | 15:58 | PD091069.D | 9.07 | 3.54 |
| I.BLK | I.BLK | 11/12/2025 | 09:01 | PD091081.D | 9.07 | 3.54 |
| PEM | PEM | 11/12/2025 | 09:15 | PD091082.D | 9.07 | 3.54 |
| PSTDCCC050 | PSTDCCC050 | 11/12/2025 | 09:28 | PD091083.D | 9.07 | 3.54 |
| PB170476BL | PB170476BL | 11/12/2025 | 09:44 | PD091084.D | 9.07 | 3.55 |
| PB170476BS | PB170476BS | 11/12/2025 | 09:57 | PD091085.D | 9.07 | 3.54 |
| I.BLK | I.BLK | 11/12/2025 | 14:17 | PD091104.D | 9.07 | 3.54 |
| PSTDCCC050 | PSTDCCC050 | 11/12/2025 | 14:44 | PD091106.D | 9.07 | 3.54 |

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



# Analytical Sequence

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Project:** Edison Landfill **Instrument ID:** ECD_D

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/17/2025 10/17/2025

**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 | 10/17/2025 | 10:53 | PD090647.D | 8.06 | 2.88 |
| PEM | PEM | 10/17/2025 | 11:07 | PD090648.D | 8.06 | 2.88 |
| RESCHK | RESCHK | 10/17/2025 | 11:20 | PD090649.D | 8.06 | 2.87 |
| PSTDICC100 | PSTDICC100 | 10/17/2025 | 11:34 | PD090650.D | 8.06 | 2.87 |
| PSTDICC075 | PSTDICC075 | 10/17/2025 | 11:48 | PD090651.D | 8.06 | 2.88 |
| PSTDICC050 | PSTDICC050 | 10/17/2025 | 12:01 | PD090652.D | 8.06 | 2.88 |
| PSTDICC025 | PSTDICC025 | 10/17/2025 | 12:15 | PD090653.D | 8.06 | 2.87 |
| PSTDICC005 | PSTDICC005 | 10/17/2025 | 12:28 | PD090654.D | 8.06 | 2.87 |
| PCHLORICC500 | PCHLORICC500 | 10/17/2025 | 13:09 | PD090657.D | 8.06 | 2.87 |
| PTOXICC500 | PTOXICC500 | 10/17/2025 | 14:17 | PD090662.D | 8.06 | 2.88 |
| I.BLK | I.BLK | 11/11/2025 | 08:59 | PD091050.D | 8.06 | 2.87 |
| PEM | PEM | 11/11/2025 | 09:13 | PD091051.D | 8.06 | 2.87 |
| PSTDCCC050 | PSTDCCC050 | 11/11/2025 | 09:26 | PD091052.D | 8.06 | 2.87 |
| SED-1 | Q3586-01 | 11/11/2025 | 13:41 | PD091059.D | 8.06 | 2.87 |
| SED-2 | Q3586-02 | 11/11/2025 | 13:55 | PD091060.D | 8.06 | 2.88 |
| SED-3 | Q3586-03 | 11/11/2025 | 14:09 | PD091061.D | 8.06 | 2.87 |
| SED-3MS | Q3586-03MS | 11/11/2025 | 14:22 | PD091062.D | 8.06 | 2.87 |
| SED-3MSD | Q3586-03MSD | 11/11/2025 | 14:36 | PD091063.D | 8.06 | 2.87 |
| I.BLK | I.BLK | 11/11/2025 | 15:31 | PD091067.D | 8.06 | 2.87 |
| PSTDCCC050 | PSTDCCC050 | 11/11/2025 | 15:58 | PD091069.D | 8.06 | 2.87 |
| I.BLK | I.BLK | 11/12/2025 | 09:01 | PD091081.D | 8.06 | 2.87 |
| PEM | PEM | 11/12/2025 | 09:15 | PD091082.D | 8.06 | 2.87 |
| PSTDCCC050 | PSTDCCC050 | 11/12/2025 | 09:28 | PD091083.D | 8.06 | 2.87 |
| PB170476BL | PB170476BL | 11/12/2025 | 09:44 | PD091084.D | 8.06 | 2.87 |
| PB170476BS | PB170476BS | 11/12/2025 | 09:57 | PD091085.D | 8.06 | 2.87 |
| I.BLK | I.BLK | 11/12/2025 | 14:17 | PD091104.D | 8.06 | 2.87 |
| PSTDCCC050 | PSTDCCC050 | 11/12/2025 | 14:44 | PD091106.D | 8.06 | 2.87 |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**PB170476BS**

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**Lab Sample ID:** PB170476BS **Date(s) Analyzed:** 11/12/2025 11/12/2025

**Instrument ID (1):** ECD_D **Instrument ID (2):** ECD_D

**GC Column: (1):** ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| Endosulfan sulfate | 1 | 7.14 | 7.09 | 7.19 | 15.2 | 13.5 |
| | 2 | 6.47 | 6.42 | 6.52 | 17.4 | |
| Methoxychlor | 1 | 7.49 | 7.44 | 7.54 | 18.3 | 3.9 |
| | 2 | 6.74 | 6.69 | 6.79 | 17.6 | |
| Endrin ketone | 1 | 7.63 | 7.58 | 7.68 | 15.8 | 30.6 |
| | 2 | 6.98 | 6.93 | 7.03 | 21.5 | |
| alpha-BHC | 1 | 3.99 | 3.94 | 4.04 | 15.4 | 12.2 |
| | 2 | 3.39 | 3.34 | 3.44 | 17.4 | |
| gamma-BHC (Lindane) | 1 | 4.32 | 4.27 | 4.37 | 15.2 | 12.3 |
| | 2 | 3.72 | 3.67 | 3.77 | 17.2 | |
| Heptachlor | 1 | 4.92 | 4.87 | 4.97 | 18.6 | 3.8 |
| | 2 | 4.07 | 4.02 | 4.12 | 17.9 | |
| Aldrin | 1 | 5.26 | 5.21 | 5.31 | 15.2 | 13.5 |
| | 2 | 4.36 | 4.31 | 4.41 | 17.4 | |
| beta-BHC | 1 | 4.51 | 4.46 | 4.56 | 14.9 | 10.8 |
| | 2 | 4.02 | 3.97 | 4.07 | 16.6 | |
| delta-BHC | 1 | 4.76 | 4.71 | 4.81 | 15.6 | 9.8 |
| | 2 | 4.25 | 4.20 | 4.30 | 17.2 | |
| Heptachlor epoxide | 1 | 5.68 | 5.63 | 5.73 | 16.6 | 0.6 |
| | 2 | 4.86 | 4.81 | 4.91 | 16.7 | |
| Endosulfan I | 1 | 6.07 | 6.02 | 6.12 | 15.3 | 12.5 |
| | 2 | 5.24 | 5.19 | 5.29 | 13.5 | |
| gamma-Chlordane | 1 | 5.94 | 5.89 | 5.99 | 15.1 | 13 |
| | 2 | 5.12 | 5.07 | 5.17 | 17.2 | |
| alpha-Chlordane | 1 | 6.02 | 5.97 | 6.07 | 15.1 | 12.4 |
| | 2 | 5.18 | 5.13 | 5.23 | 17.1 | |
| 4,4'-DDE | 1 | 6.19 | 6.14 | 6.24 | 14.6 | 16.4 |
| | 2 | 5.36 | 5.31 | 5.41 | 17.2 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**PB170476BS**

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**Lab Sample ID:** PB170476BS **Date(s) Analyzed:** 11/12/2025 11/12/2025

**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 |
|---|---|---|---|---|---|---|
| Dieldrin | 1 | 6.34 | 6.29 | 6.39 | 15.4 | 12.2 |
| | 2 | 5.50 | 5.45 | 5.55 | 17.4 | |
| Endrin | 1 | 6.57 | 6.52 | 6.62 | 14.8 | 29.4 |
| | 2 | 5.78 | 5.73 | 5.83 | 19.9 | |
| Endosulfan II | 1 | 6.78 | 6.73 | 6.83 | 17.0 | 2.9 |
| | 2 | 6.07 | 6.02 | 6.12 | 17.5 | |
| 4,4'-DDD | 1 | 6.70 | 6.65 | 6.75 | 16.3 | 10.5 |
| | 2 | 5.92 | 5.87 | 5.97 | 18.1 | |
| 4,4'-DDT | 1 | 7.02 | 6.97 | 7.07 | 16.2 | 8.3 |
| | 2 | 6.17 | 6.12 | 6.22 | 17.6 | |
| Endrin aldehyde | 1 | 6.91 | 6.86 | 6.96 | 16.4 | 8.2 |
| | 2 | 6.25 | 6.20 | 6.30 | 17.8 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**SED-3MS**

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**Lab Sample ID:** Q3586-03MS **Date(s) Analyzed:** 11/11/2025 11/11/2025

**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 | 6.78 | 6.73 | 6.83 | 29.2 | 11.9 |
| | 2 | 6.07 | 6.02 | 6.12 | 32.9 | |
| 4,4'-DDD | 1 | 6.70 | 6.65 | 6.75 | 31.7 | 0.6 |
| | 2 | 5.92 | 5.87 | 5.97 | 31.9 | |
| 4,4'-DDT | 1 | 7.02 | 6.97 | 7.07 | 30.9 | 8.1 |
| | 2 | 6.17 | 6.12 | 6.22 | 33.5 | |
| Endrin aldehyde | 1 | 6.91 | 6.86 | 6.96 | 30.3 | 8.2 |
| | 2 | 6.25 | 6.20 | 6.30 | 32.9 | |
| Endosulfan sulfate | 1 | 7.15 | 7.10 | 7.20 | 29.4 | 10.6 |
| | 2 | 6.47 | 6.42 | 6.52 | 32.7 | |
| Methoxychlor | 1 | 7.49 | 7.44 | 7.54 | 30.7 | 8.4 |
| | 2 | 6.74 | 6.69 | 6.79 | 33.4 | |
| Endrin ketone | 1 | 7.63 | 7.58 | 7.68 | 30.6 | 8.7 |
| | 2 | 6.98 | 6.93 | 7.03 | 33.4 | |
| alpha-BHC | 1 | 3.99 | 3.94 | 4.04 | 31.0 | 7.5 |
| | 2 | 3.39 | 3.34 | 3.44 | 33.4 | |
| gamma-BHC (Lindane) | 1 | 4.32 | 4.27 | 4.37 | 30.5 | 7.6 |
| | 2 | 3.72 | 3.67 | 3.77 | 32.9 | |
| Heptachlor | 1 | 4.92 | 4.87 | 4.97 | 37.2 | 7 |
| | 2 | 4.07 | 4.02 | 4.12 | 34.7 | |
| Aldrin | 1 | 5.26 | 5.21 | 5.31 | 30.6 | 6.9 |
| | 2 | 4.36 | 4.31 | 4.41 | 32.8 | |
| beta-BHC | 1 | 4.51 | 4.46 | 4.56 | 30.8 | 8.7 |
| | 2 | 4.02 | 3.97 | 4.07 | 33.6 | |
| delta-BHC | 1 | 4.76 | 4.71 | 4.81 | 31.3 | 4.7 |
| | 2 | 4.25 | 4.20 | 4.30 | 32.8 | |
| Heptachlor epoxide | 1 | 5.68 | 5.63 | 5.73 | 30.5 | 7.3 |
| | 2 | 4.86 | 4.81 | 4.91 | 32.8 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**SED-3MS**

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**Lab Sample ID:** Q3586-03MS **Date(s) Analyzed:** 11/11/2025 11/11/2025

**Instrument ID (1):** ECD_D **Instrument ID (2):** ECD_D

**GC Column: (1):** ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|
| Endosulfan I | 1 | 6.07 | 6.02 | 6.12 | 30.2 | 7.3 |
| | 2 | 5.24 | 5.19 | 5.29 | 32.5 | |
| gamma-Chlordane | 1 | 5.94 | 5.89 | 5.99 | 29.4 | 10 |
| | 2 | 5.12 | 5.07 | 5.17 | 32.5 | |
| alpha-Chlordane | 1 | 6.02 | 5.97 | 6.07 | 29.7 | 9 |
| | 2 | 5.18 | 5.13 | 5.23 | 32.5 | |
| 4,4'-DDE | 1 | 6.19 | 6.14 | 6.24 | 29.8 | 8.7 |
| | 2 | 5.36 | 5.31 | 5.41 | 32.5 | |
| Dieldrin | 1 | 6.34 | 6.29 | 6.39 | 30.4 | 7 |
| | 2 | 5.50 | 5.45 | 5.55 | 32.6 | |
| Endrin | 1 | 6.57 | 6.52 | 6.62 | 29.9 | 7.7 |
| | 2 | 5.78 | 5.73 | 5.83 | 32.3 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**SED-3MSD**

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**Lab Sample ID:** Q3586-03MSD **Date(s) Analyzed:** 11/11/2025 11/11/2025

**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 | 32.3 | 0 |
| | 2 | 5.92 | 5.87 | 5.97 | 32.3 | |
| 4,4'-DDT | 1 | 7.02 | 6.97 | 7.07 | 31.5 | 7 |
| | 2 | 6.17 | 6.12 | 6.22 | 33.8 | |
| alpha-BHC | 1 | 3.99 | 3.94 | 4.04 | 31.7 | 6.4 |
| | 2 | 3.39 | 3.34 | 3.44 | 33.8 | |
| Aldrin | 1 | 5.26 | 5.21 | 5.31 | 31.0 | 6.9 |
| | 2 | 4.36 | 4.31 | 4.41 | 33.2 | |
| beta-BHC | 1 | 4.51 | 4.46 | 4.56 | 31.3 | 8.9 |
| | 2 | 4.02 | 3.97 | 4.07 | 34.2 | |
| delta-BHC | 1 | 4.76 | 4.71 | 4.81 | 31.5 | 5.6 |
| | 2 | 4.25 | 4.20 | 4.30 | 33.3 | |
| Endosulfan I | 1 | 6.07 | 6.02 | 6.12 | 30.7 | 6.9 |
| | 2 | 5.24 | 5.19 | 5.29 | 32.9 | |
| alpha-Chlordane | 1 | 6.02 | 5.97 | 6.07 | 30.4 | 8.2 |
| | 2 | 5.18 | 5.13 | 5.23 | 33.0 | |
| 4,4'-DDE | 1 | 6.19 | 6.14 | 6.24 | 30.3 | 7.9 |
| | 2 | 5.36 | 5.31 | 5.41 | 32.8 | |
| Dieldrin | 1 | 6.34 | 6.29 | 6.39 | 31.0 | 6.3 |
| | 2 | 5.50 | 5.45 | 5.55 | 33.0 | |
| Endosulfan II | 1 | 6.78 | 6.73 | 6.83 | 29.6 | 11.8 |
| | 2 | 6.07 | 6.02 | 6.12 | 33.3 | |
| Endrin aldehyde | 1 | 6.91 | 6.86 | 6.96 | 30.7 | 8.1 |
| | 2 | 6.25 | 6.20 | 6.30 | 33.3 | |
| Endosulfan sulfate | 1 | 7.15 | 7.10 | 7.20 | 29.9 | 10.5 |
| | 2 | 6.47 | 6.42 | 6.52 | 33.2 | |
| Methoxychlor | 1 | 7.49 | 7.44 | 7.54 | 31.1 | 8.3 |
| | 2 | 6.74 | 6.69 | 6.79 | 33.8 | |

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## COMPOUND DETECTION SUMMARY

**CLIENT SAMPLE NO.**

**SED-3MSD**

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**Lab Sample ID:** Q3586-03MSD **Date(s) Analyzed:** 11/11/2025 11/11/2025

**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 | 31.1 | 9.5 |
| | 2 | 6.98 | 6.93 | 7.03 | 34.2 | |
| gamma-BHC (Lindane) | 1 | 4.32 | 4.27 | 4.37 | 31.1 | 7.1 |
| | 2 | 3.72 | 3.67 | 3.77 | 33.4 | |
| Heptachlor | 1 | 4.92 | 4.87 | 4.97 | 37.7 | 7.4 |
| | 2 | 4.07 | 4.02 | 4.12 | 35.0 | |
| Heptachlor epoxide | 1 | 5.68 | 5.63 | 5.73 | 31.1 | 5.3 |
| | 2 | 4.86 | 4.81 | 4.91 | 32.8 | |
| gamma-Chlordane | 1 | 5.94 | 5.89 | 5.99 | 30.1 | 8.6 |
| | 2 | 5.12 | 5.07 | 5.17 | 32.8 | |
| Endrin | 1 | 6.57 | 6.52 | 6.62 | 30.3 | 7 |
| | 2 | 5.78 | 5.73 | 5.83 | 32.5 | |

# SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111125\
Data File : PD091059.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 13:41
Operator : AR\AJ
Sample : Q3586-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
SED-1

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Yogesh Patel 11/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:19:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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... | 3.543 | 2.874 | 46320268 | 512.2E6 | 14.874m | 17.202 |
| 28) | SA Decachlor... | 9.066 | 8.061 | 64853480 | 470.3E6 | 13.864m | 15.527 |
| | Target Compounds | | | | | | |

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

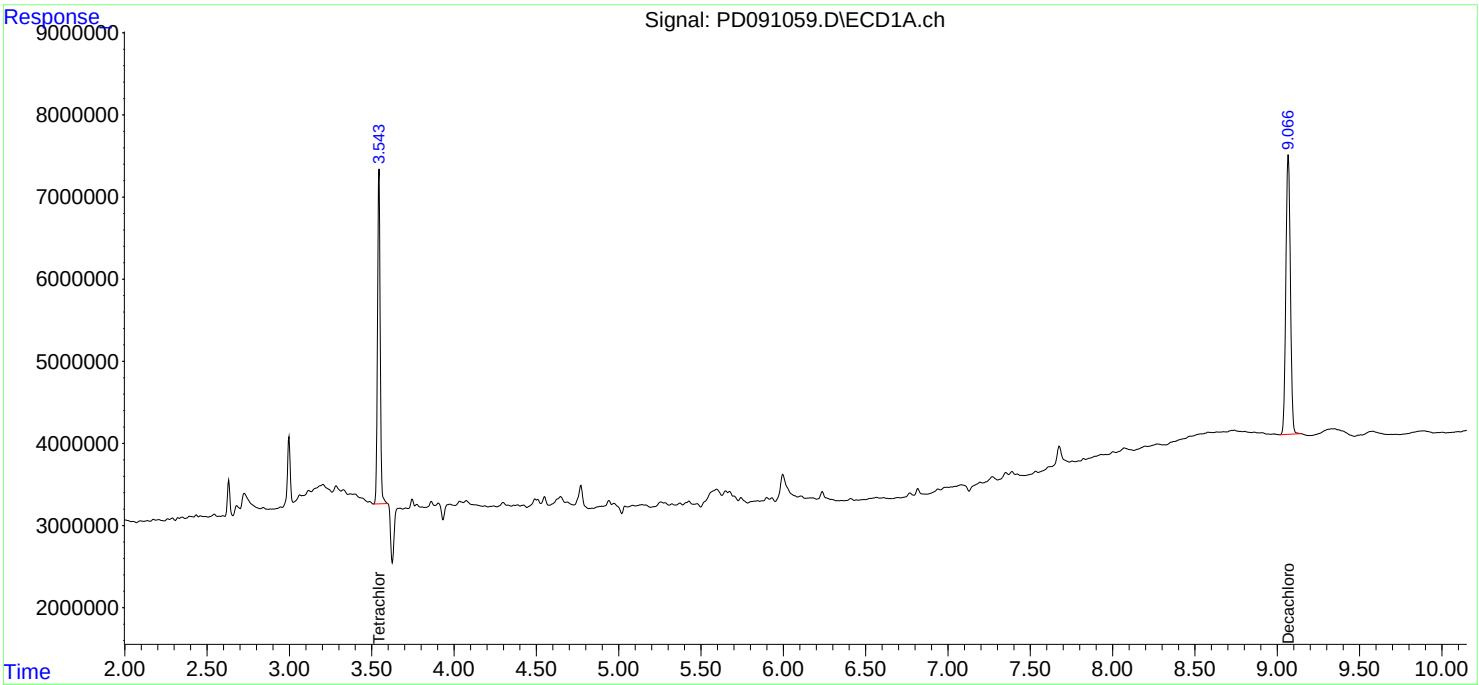
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111125\
Data File : PD091059.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 13:41
Operator : AR\AJ
Sample : Q3586-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

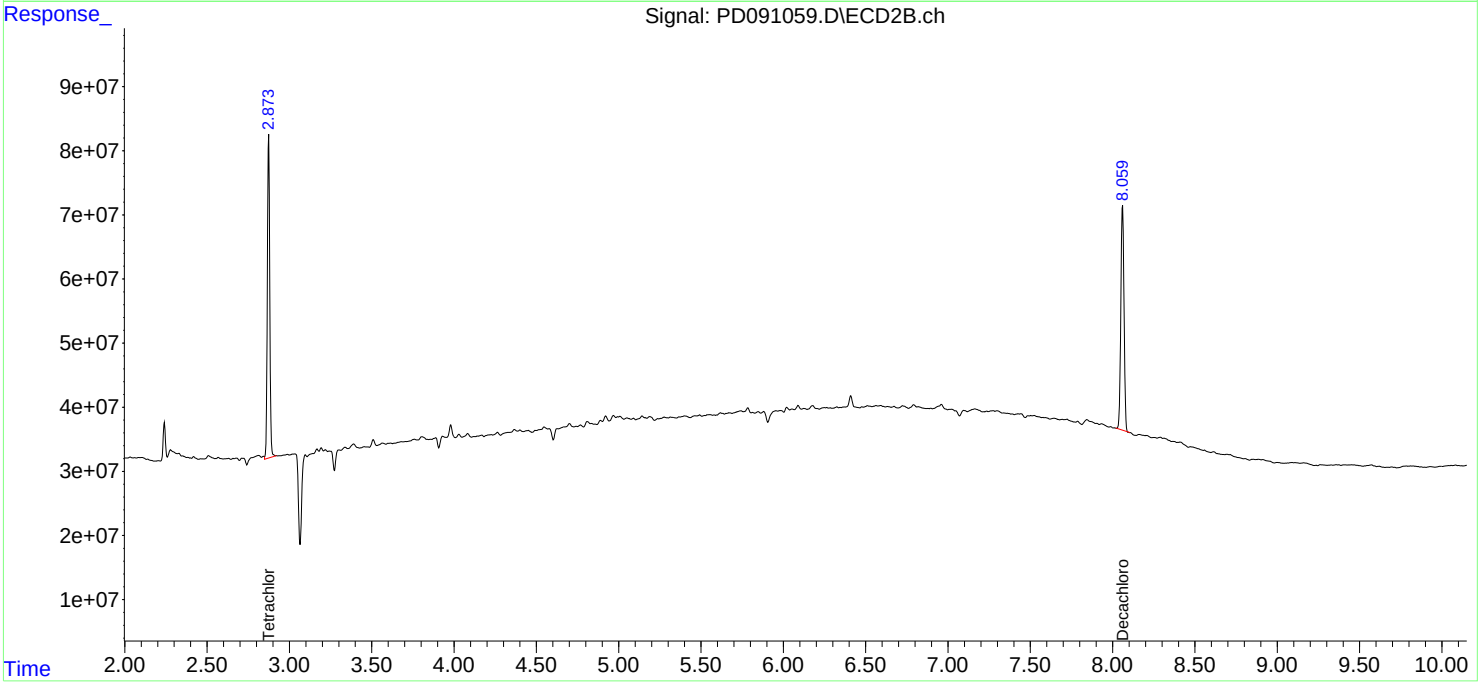
**Instrument :**
ECD_D
**ClientSampleId :**
SED-1

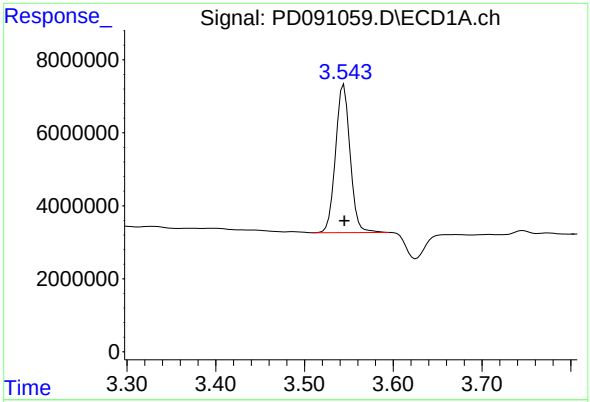
**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Yogesh Patel 11/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:19:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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





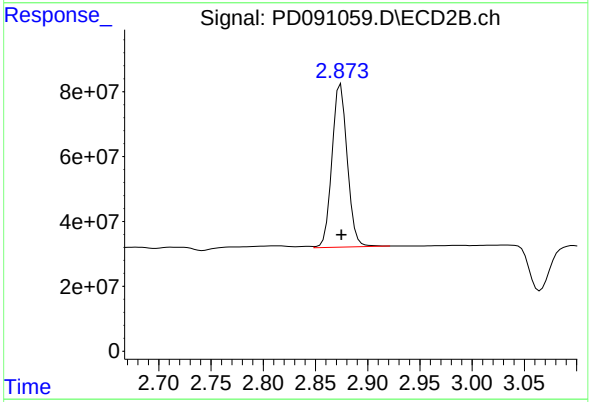

#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 46320268
Conc: 14.87 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
SED-1

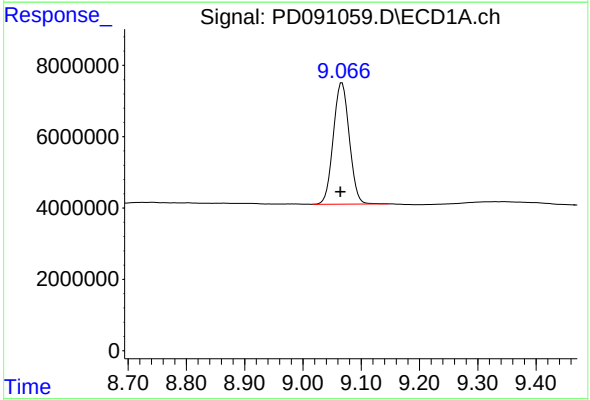
**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Yogesh Patel 11/12/2025



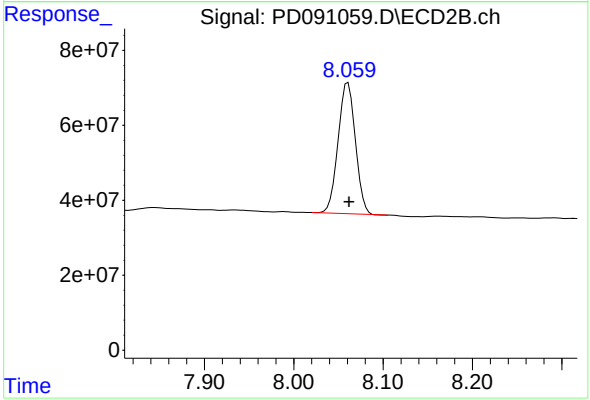

#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 512218151
Conc: 17.20 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.001 min
Response: 64853480
Conc: 13.86 ng/ml m




#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.001 min
Response: 470335287
Conc: 15.53 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111125\
Data File : PD091060.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 13:55
Operator : AR\AJ
Sample : Q3586-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
SED-2

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Yogesh Patel 11/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:20:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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... | 3.543 | 2.875 | 32142850 | 354.5E6 | 10.321m | 11.906 |
| 28) | SA Decachlor... | 9.067 | 8.061 | 23256394 | 164.5E6 | 4.971 | 5.429 |
| | Target Compounds | | | | | | |

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

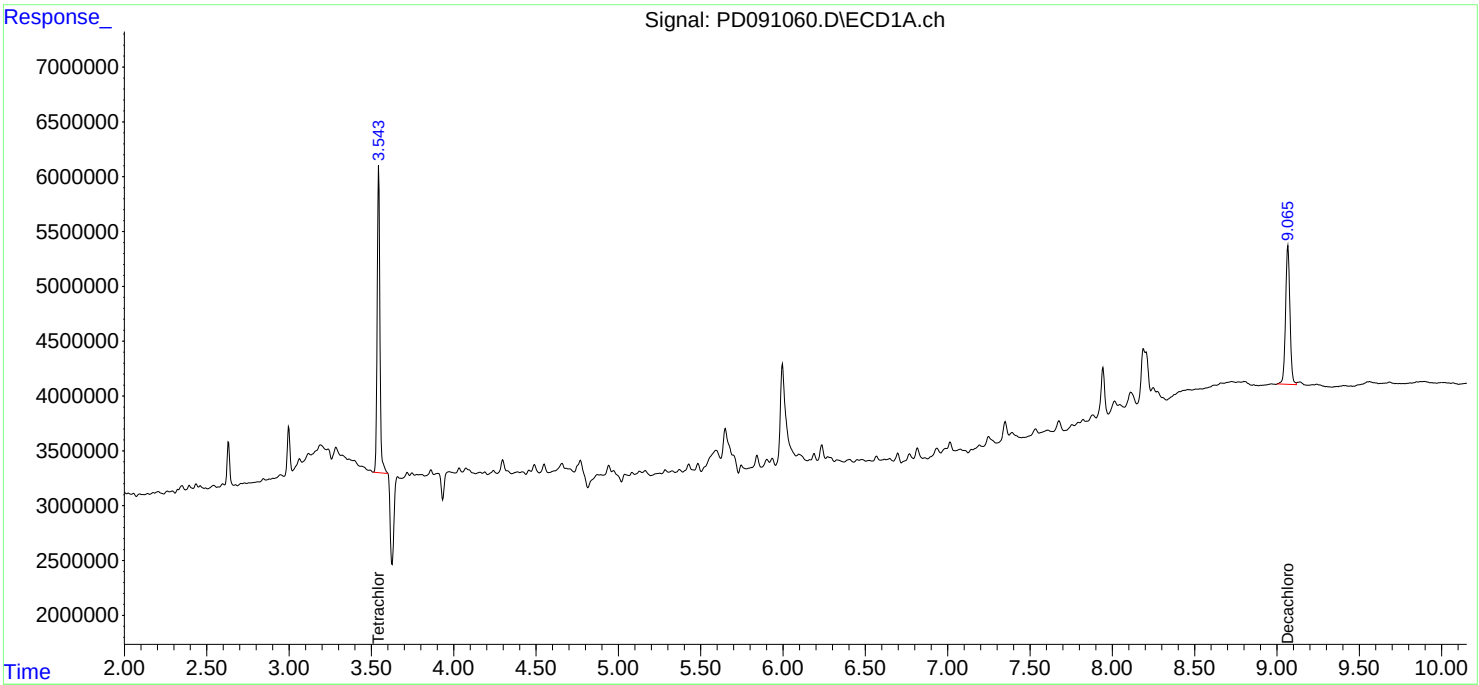
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111125\
Data File : PD091060.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 13:55
Operator : AR\AJ
Sample : Q3586-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

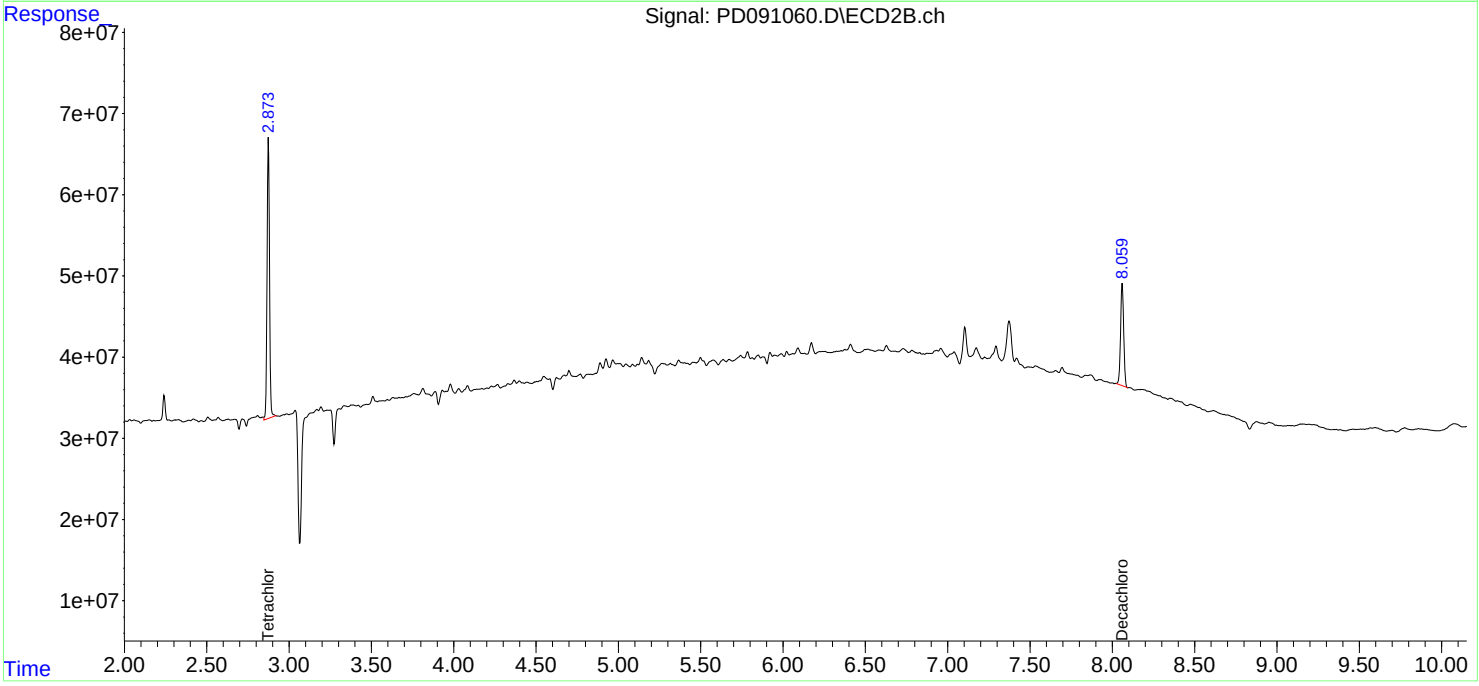
**Instrument :**
ECD_D
**ClientSampleId :**
SED-2

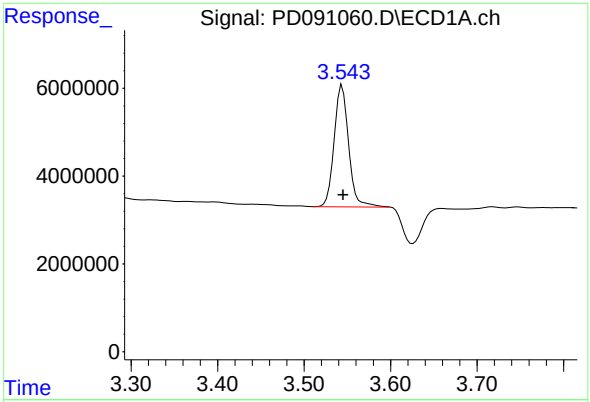
**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Yogesh Patel 11/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:20:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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





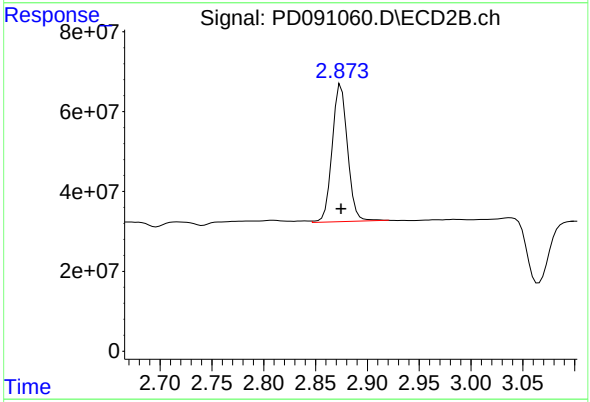

#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 32142850
Conc: 10.32 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
SED-2

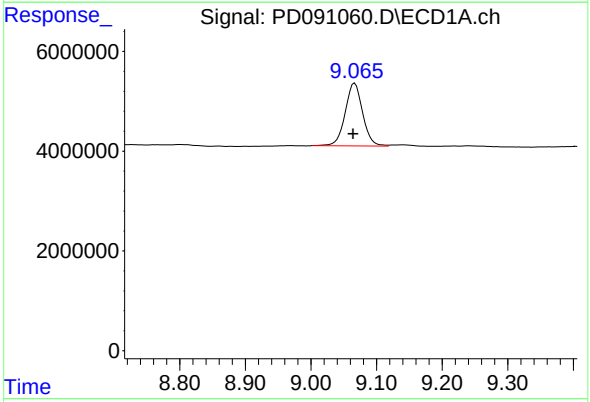
**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Yogesh Patel 11/12/2025



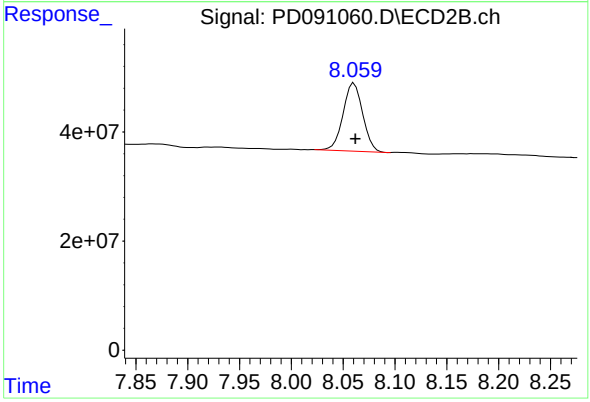

#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 354524929
Conc: 11.91 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.002 min
Response: 23256394
Conc: 4.97 ng/ml




#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.001 min
Response: 164454662
Conc: 5.43 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111125\
Data File : PD091061.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 14:09
Operator : AR\AJ
Sample : Q3586-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
SED-3

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Yogesh Patel 11/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:20:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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... | 3.542 | 2.872 | 44045282 | 477.9E6 | 14.144m | 16.048m |
| 28) | SA Decachlor... | 9.067 | 8.060 | 59234901 | 421.7E6 | 12.663 | 13.921 |
| | Target Compounds | | | | | | |

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

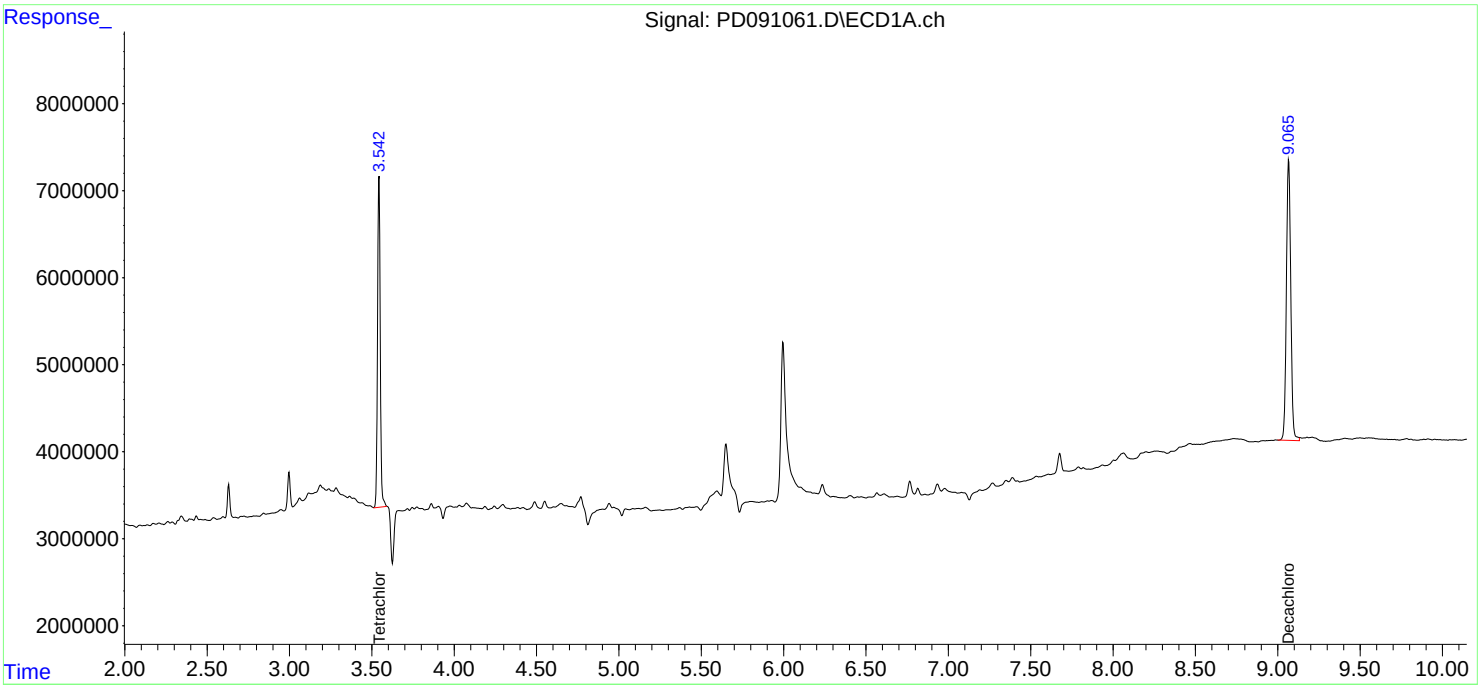
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111125\
Data File : PD091061.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 14:09
Operator : AR\AJ
Sample : Q3586-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

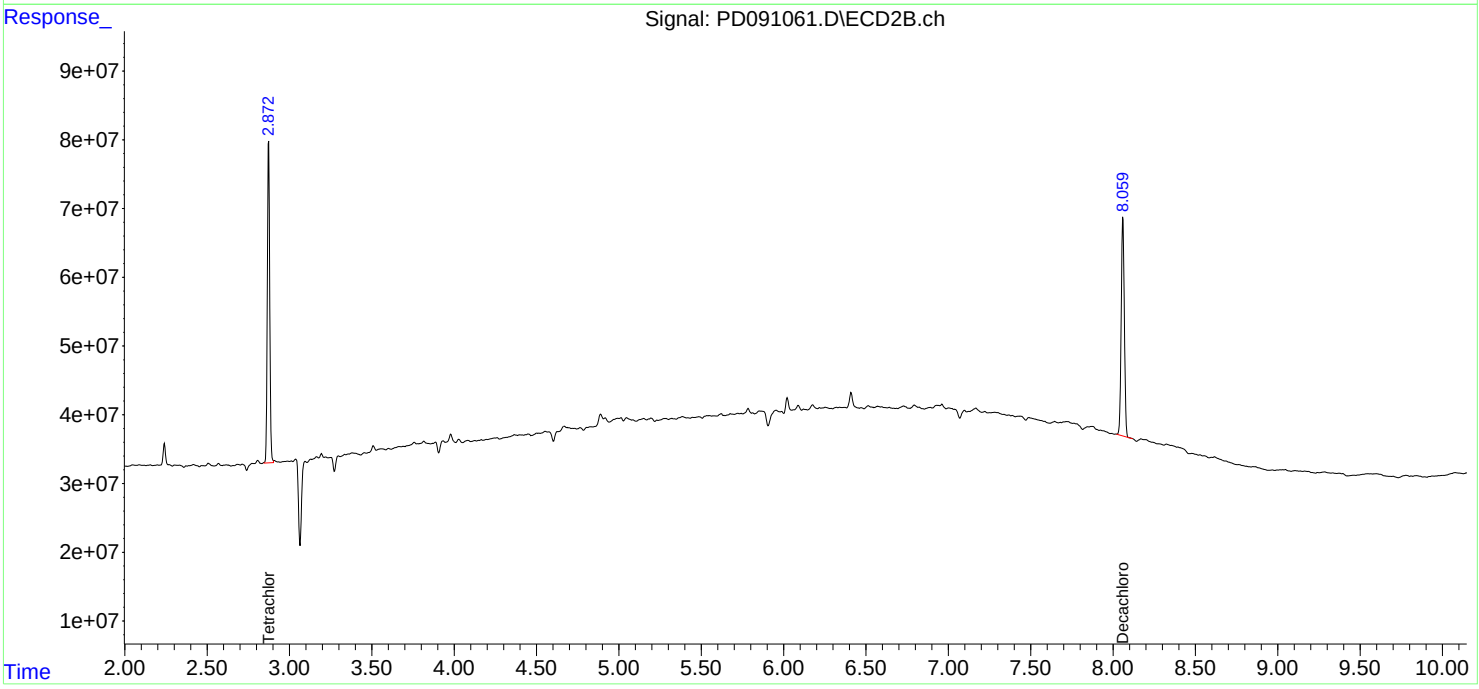
**Instrument :**
ECD_D
**ClientSampleId :**
SED-3

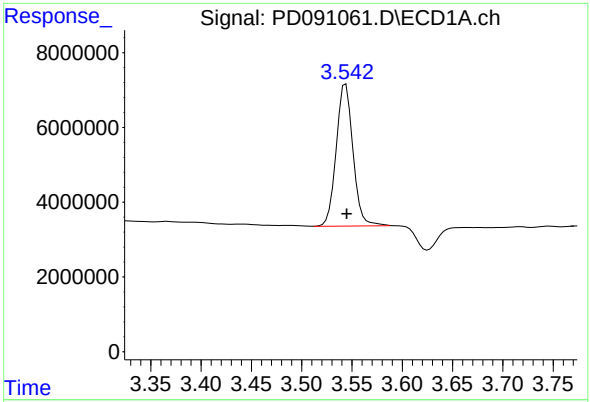
**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Yogesh Patel 11/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:20:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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





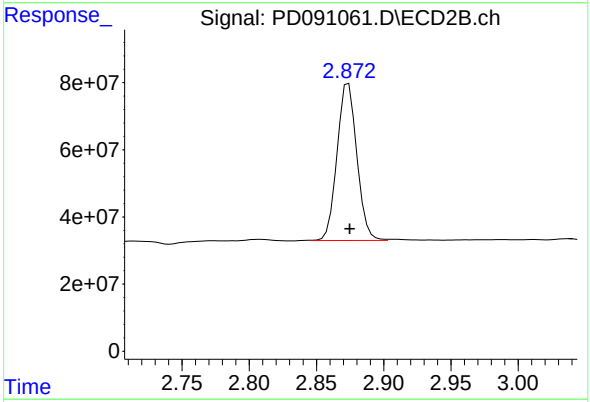

#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: -0.003 min
Response: 44045282
Conc: 14.14 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
SED-3

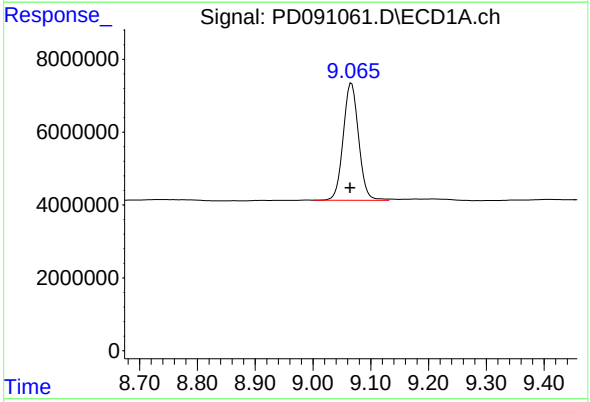
**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Yogesh Patel 11/12/2025



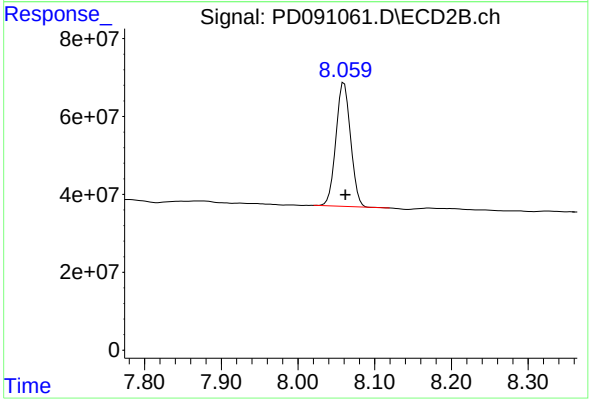

#1 Tetrachloro-m-xylene

R.T.: 2.872 min
Delta R.T.: -0.002 min
Response: 477858097
Conc: 16.05 ng/ml m




#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.002 min
Response: 59234901
Conc: 12.66 ng/ml




#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.002 min
Response: 421681829
Conc: 13.92 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111225\
Data File : PD091084.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2025 09:44
Operator : AR\AJ
Sample : PB170476BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PB170476BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 09:57:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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 | 2.874 | 57805156 | 641.7E6 | 18.562 | 21.549 |
| 28) | SA Decachlor... | 9.069 | 8.061 | 88292714 | 708.1E6 | 18.874 | 23.375 |
| | Target Compounds | | | | | | |

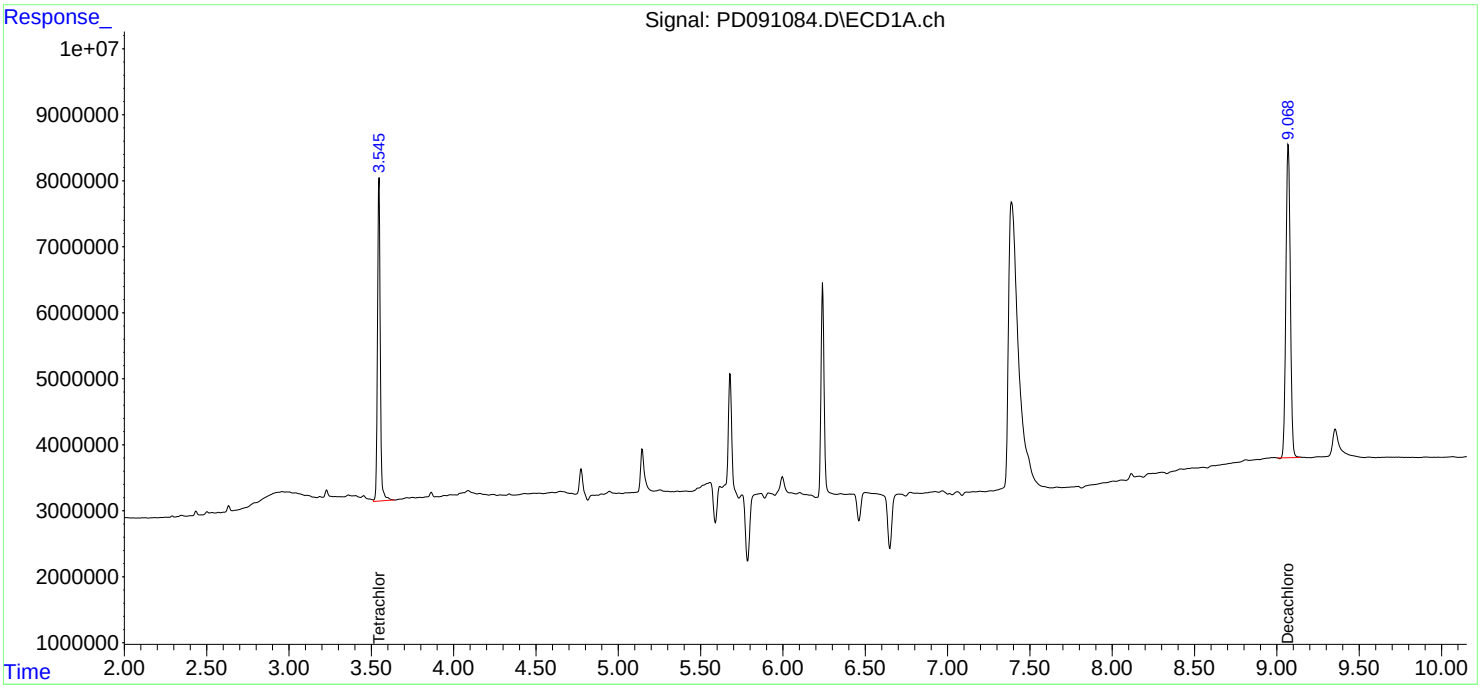
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

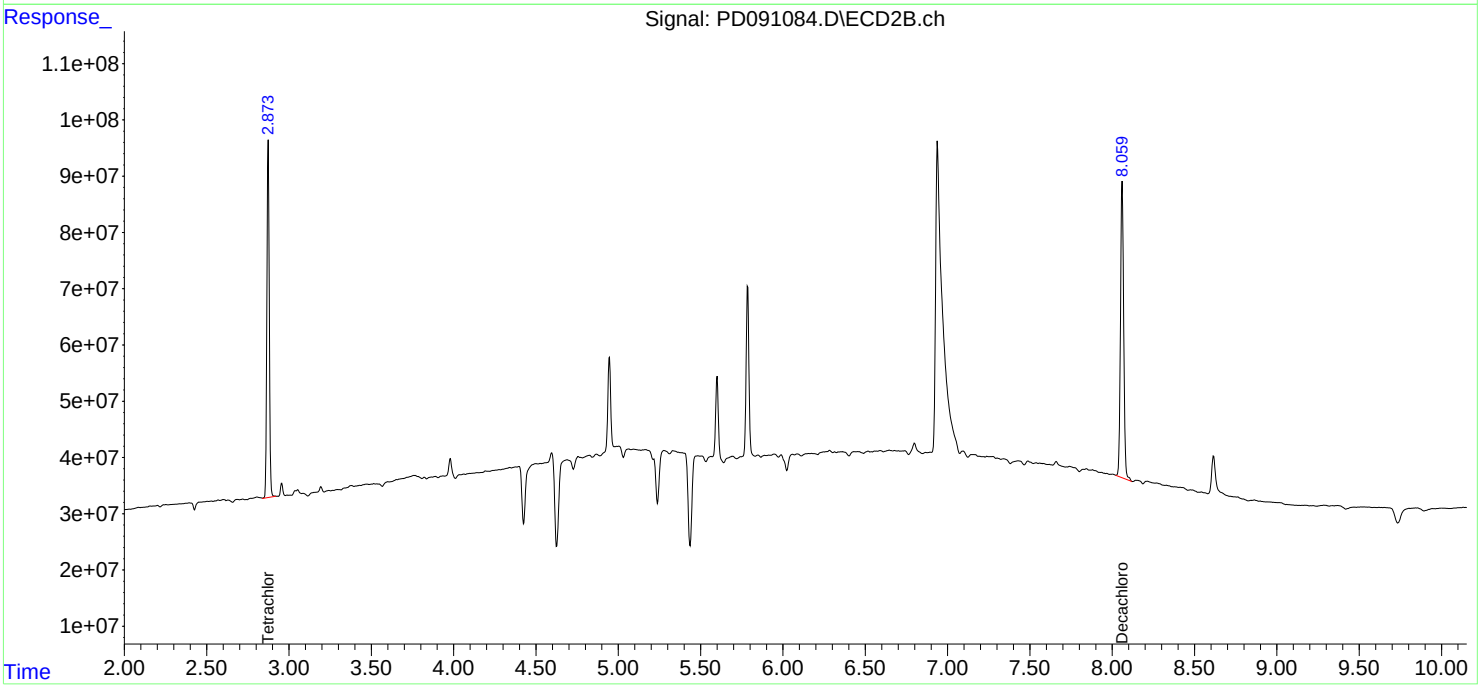
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111225\
Data File : PD091084.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2025 09:44
Operator : AR\AJ
Sample : PB170476BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

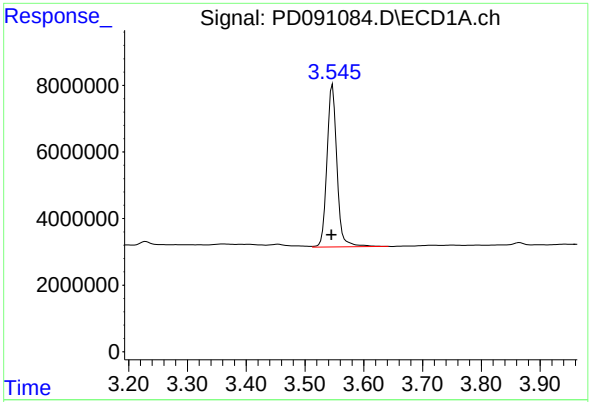
**Instrument :**
ECD_D
**ClientSampleId :**
PB170476BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 09:57:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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



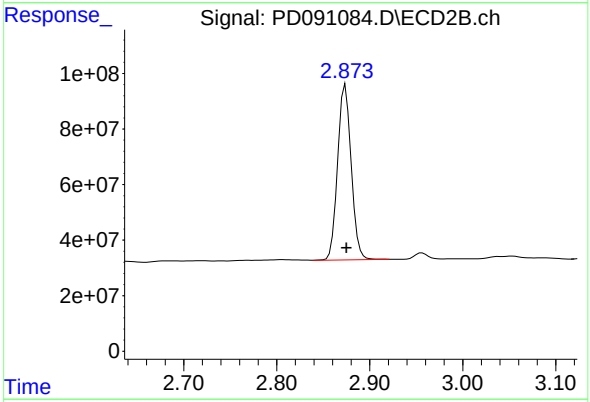






#1 Tetrachloro-m-xylene

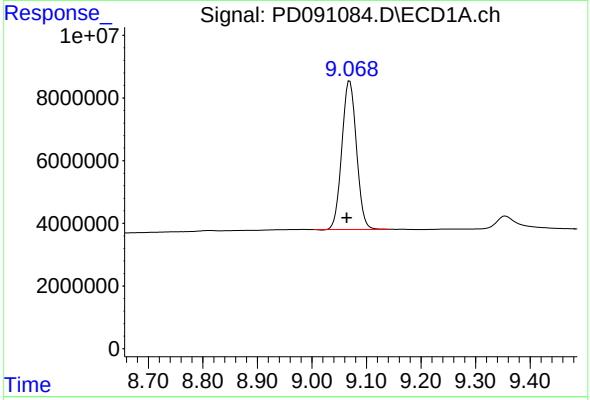
R.T.: 3.547 min
Delta R.T.: 0.002 min
Response: 57805156
Conc: 18.56 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**
PB170476BL



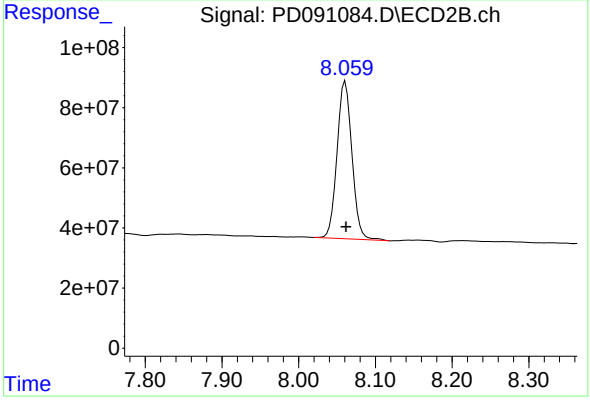

#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 641676031
Conc: 21.55 ng/ml




#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: 0.005 min
Response: 88292714
Conc: 18.87 ng/ml




#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.001 min
Response: 708057488
Conc: 23.37 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111225\
Data File : PD091085.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2025 09:57
Operator : AR\AJ
Sample : PB170476BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
PB170476BS

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 11/13/2025
Supervised By :Yogesh Patel 11/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 10:10:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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... | 3.544 | 2.873 | 71333877 | 773.7E6 | 22.906 | 25.983m |
| 28) | SA Decachlor... | 9.066 | 8.060 | 106.1E6 | 859.3E6 | 22.682 | 28.369 # |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 3.993 | 3.385 | 331.0E6 | 2661.5E6 | 46.113 | 52.089 |
| 3) | MA gamma-BHC... | 4.324 | 3.721 | 310.3E6 | 2437.0E6 | 45.641 | 51.577 |
| 4) | MA Heptachlor | 4.922 | 4.074 | 311.5E6 | 2390.1E6 | 55.725 | 53.587 |
| 5) | MB Aldrin | 5.263 | 4.359 | 299.5E6 | 2426.2E6 | 45.738 | 52.381 |
| 6) | B beta-BHC | 4.512 | 4.018 | 117.4E6 | 991.1E6 | 44.804 | 49.979 |
| 7) | B delta-BHC | 4.760 | 4.254 | 317.6E6 | 2463.7E6 | 46.969 | 51.631 |
| 8) | B Heptachlo... | 5.683 | 4.863 | 287.6E6 | 2141.7E6 | 49.688 | 50.230 |
| 9) | A Endosulfan I | 6.068 | 5.237 | 254.2E6 | 1599.3E6 | 45.912 | 40.602 |
| 10) | B gamma-Chl... | 5.940 | 5.115 | 268.1E6 | 2316.6E6 | 45.195 | 51.540 |
| 11) | B alpha-Chl... | 6.020 | 5.180 | 281.1E6 | 2211.6E6 | 45.484 | 51.269 |
| 12) | B 4,4'-DDE | 6.189 | 5.363 | 233.4E6 | 2266.8E6 | 43.819 | 51.708m |
| 13) | MA Dieldrin | 6.340 | 5.502 | 269.1E6 | 2311.9E6 | 46.143 | 52.325 |
| 14) | MA Endrin | 6.566 | 5.779 | 219.9E6 | 2416.5E6 | 44.398m | 59.677 # |
| 15) | B Endosulfa... | 6.781 | 6.071 | 255.0E6 | 1969.7E6 | 50.990 | 52.448 |
| 16) | A 4,4'-DDD | 6.699 | 5.919 | 198.6E6 | 1984.6E6 | 48.980m | 54.464 |
| 17) | MA 4,4'-DDT | 7.016 | 6.173 | 199.6E6 | 1857.9E6 | 48.570 | 52.974 |
| 18) | B Endrin al... | 6.910 | 6.249 | 180.8E6 | 1477.2E6 | 49.369 | 53.341 |
| 19) | B Endosulfa... | 7.144 | 6.472 | 211.3E6 | 1870.9E6 | 45.562 | 52.195 |
| 20) | A Methoxychlor | 7.487 | 6.743 | 116.9E6 | 920.9E6 | 55.012m | 52.840 |
| 21) | B Endrin ke... | 7.625 | 6.979 | 230.5E6 | 2432.2E6 | 47.435 | 64.484m# |
| 22) | Mirex | 8.108 | 7.174 | 145.0E6 | 1356.9E6 | 45.311 | 52.817 |

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

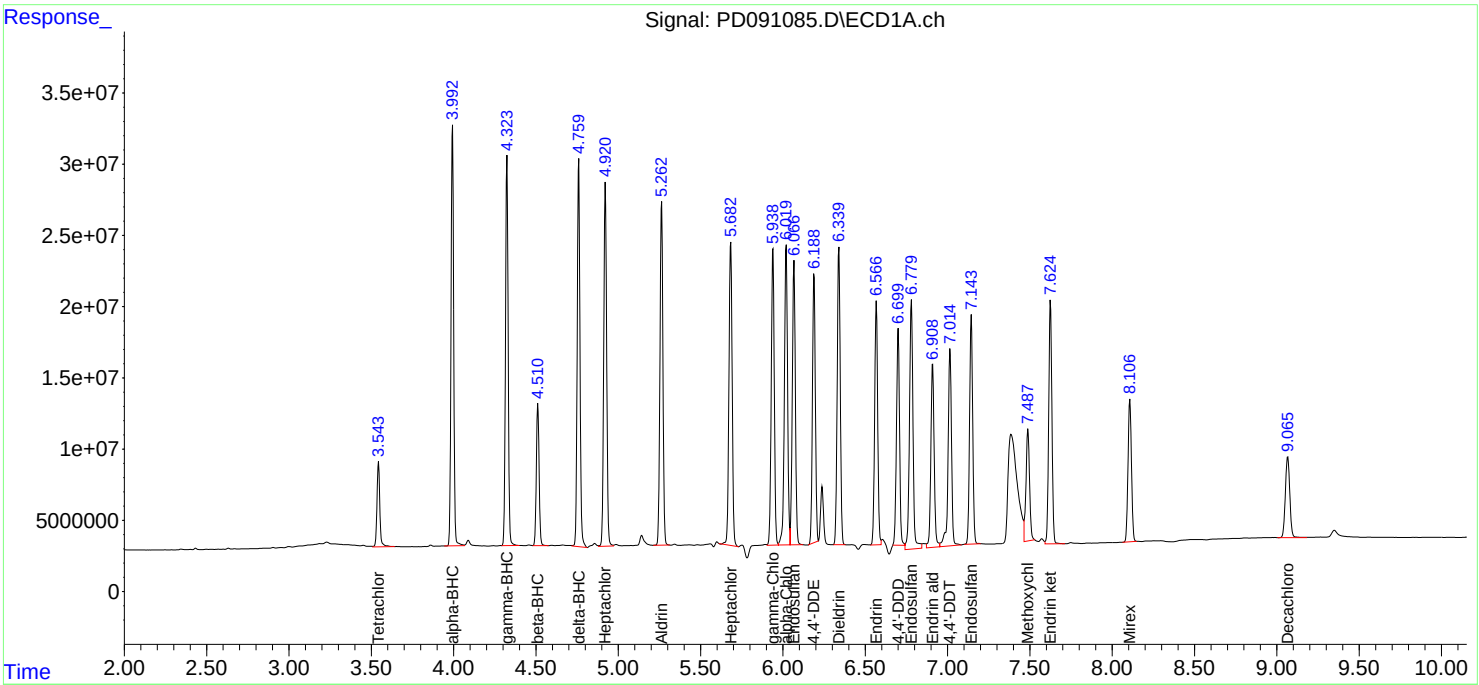
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111225\
Data File : PD091085.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Nov 2025 09:57
Operator : AR\AJ
Sample : PB170476BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

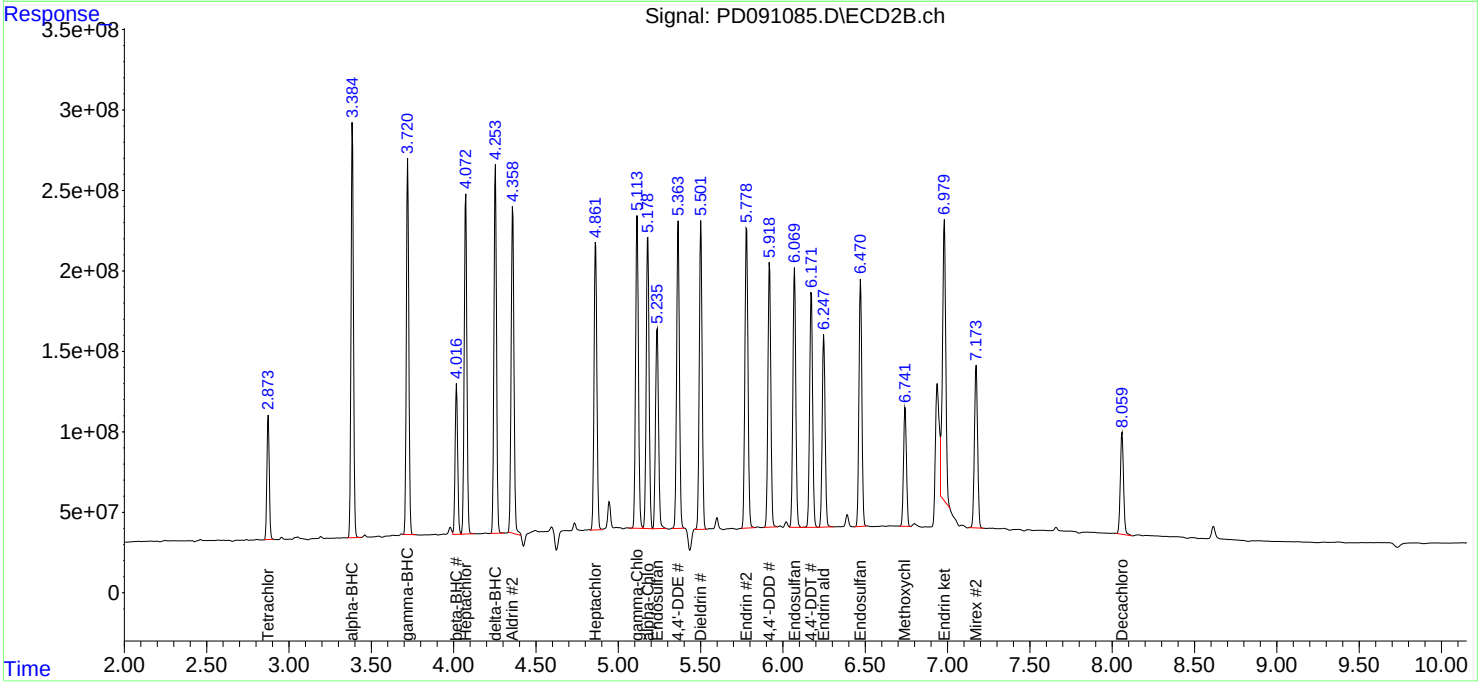
**Instrument :**
ECD_D
**ClientSampleId :**
PB170476BS

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 11/13/2025
Supervised By :Yogesh Patel 11/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 10:10:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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\PD111125\
Data File : PD091062.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 14:22
Operator : AR\AJ
Sample : Q3586-03MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
SED-3MS

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Yogesh Patel 11/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:20:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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... | 3.543 | 2.874 | 44637773 | 506.6E6 | 14.334m | 17.013 |
| 28) | SA Decachlor... | 9.065 | 8.060 | 67920105 | 498.0E6 | 14.519 | 16.441 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 3.993 | 3.386 | 340.8E6 | 2611.5E6 | 47.486 | 51.110 |
| 3) | MA gamma-BHC... | 4.324 | 3.722 | 317.9E6 | 2380.3E6 | 46.753 | 50.378 |
| 4) | MA Heptachlor | 4.922 | 4.073 | 318.4E6 | 2365.8E6 | 56.972 | 53.041 |
| 5) | MB Aldrin | 5.263 | 4.359 | 306.5E6 | 2321.9E6 | 46.819 | 50.128 |
| 6) | B beta-BHC | 4.512 | 4.018 | 123.5E6 | 1019.7E6 | 47.146 | 51.424 |
| 7) | B delta-BHC | 4.760 | 4.254 | 323.9E6 | 2395.2E6 | 47.899 | 50.196 |
| 8) | B Heptachlo... | 5.684 | 4.862 | 270.1E6 | 2141.2E6 | 46.654 | 50.216 |
| 9) | A Endosulfan I | 6.068 | 5.237 | 255.5E6 | 1956.5E6 | 46.154 | 49.670 |
| 10) | B gamma-Chl... | 5.940 | 5.115 | 266.6E6 | 2234.0E6 | 44.948 | 49.700 |
| 11) | B alpha-Chl... | 6.020 | 5.180 | 281.2E6 | 2148.3E6 | 45.494 | 49.801 |
| 12) | B 4,4'-DDE | 6.190 | 5.364 | 242.9E6 | 2177.8E6 | 45.605 | 49.678 |
| 13) | MA Dieldrin | 6.340 | 5.503 | 271.8E6 | 2203.3E6 | 46.604 | 49.868 |
| 14) | MA Endrin | 6.566 | 5.779 | 226.5E6 | 2001.9E6 | 45.726m | 49.436 |
| 15) | B Endosulfa... | 6.781 | 6.071 | 223.1E6 | 1889.8E6 | 44.618 | 50.321 |
| 16) | A 4,4'-DDD | 6.700 | 5.919 | 196.7E6 | 1780.5E6 | 48.524 | 48.865 |
| 17) | MA 4,4'-DDT | 7.016 | 6.173 | 194.6E6 | 1799.6E6 | 47.343 | 51.310 |
| 18) | B Endrin al... | 6.910 | 6.249 | 169.8E6 | 1395.4E6 | 46.354 | 50.389 |
| 19) | B Endosulfa... | 7.145 | 6.472 | 208.7E6 | 1794.2E6 | 44.987 | 50.056 |
| 20) | A Methoxychlor | 7.488 | 6.744 | 99869222 | 891.4E6 | 46.984 | 51.150 |
| 21) | B Endrin ke... | 7.626 | 6.982 | 227.4E6 | 1930.7E6 | 46.797 | 51.188 |
| 22) | Mirex | 8.108 | 7.175 | 138.6E6 | 1249.1E6 | 43.289 | 48.622 |

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

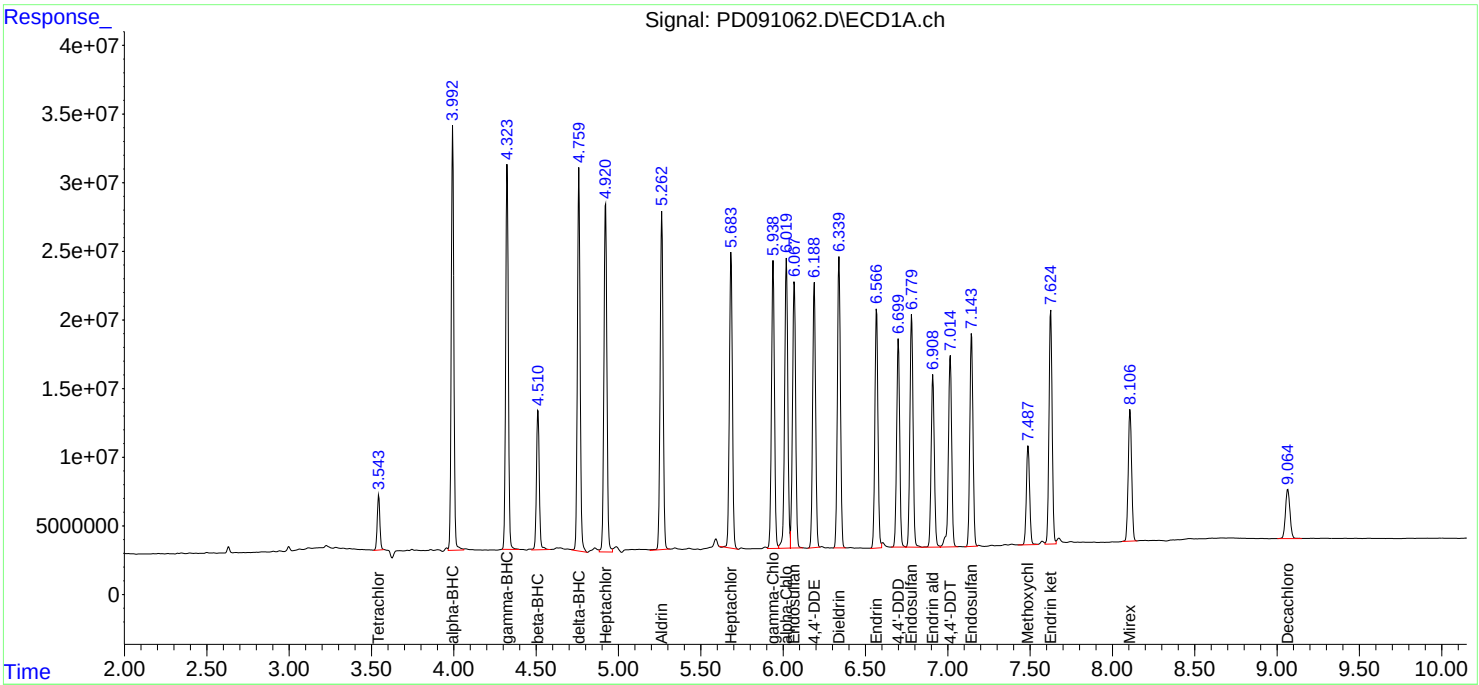
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111125\
Data File : PD091062.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 14:22
Operator : AR\AJ
Sample : Q3586-03MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

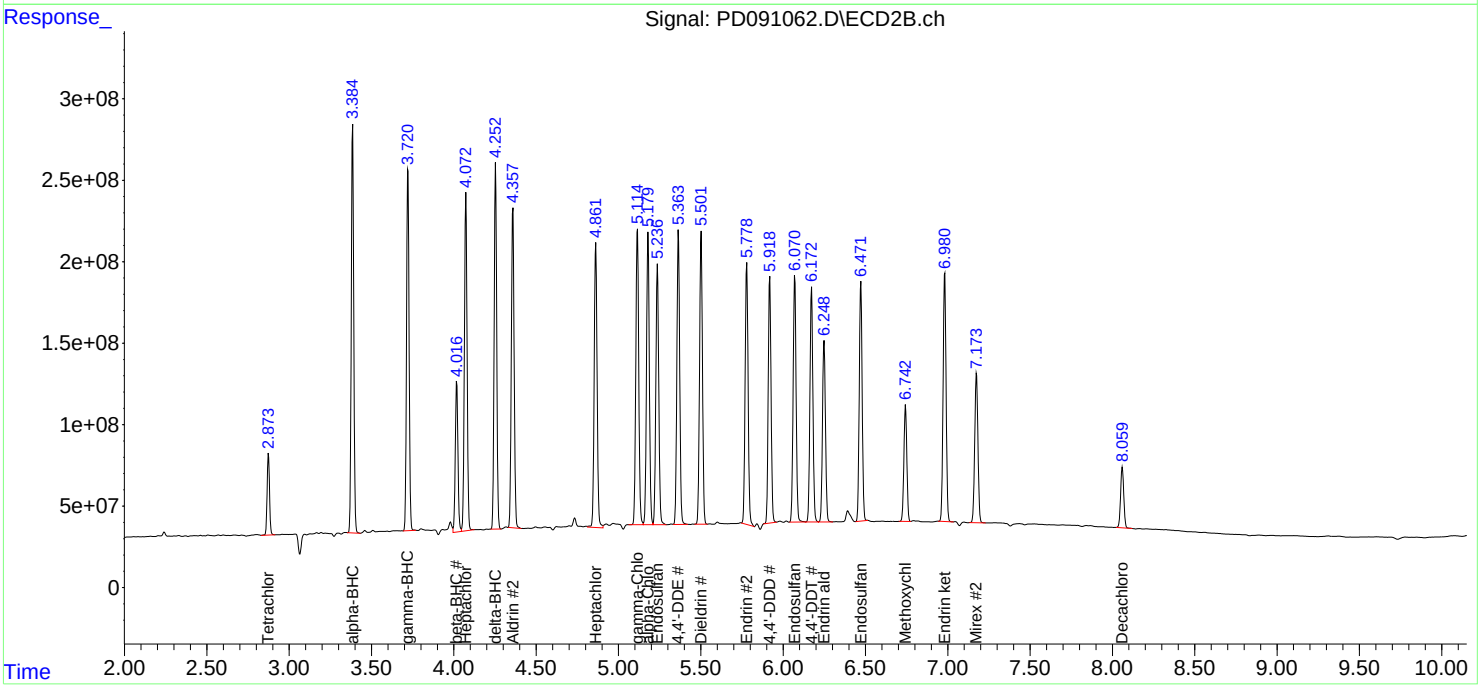
**Instrument :**
ECD_D
**ClientSampleId :**
SED-3MS

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Yogesh Patel 11/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:20:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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\PD111125\
Data File : PD091063.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 14:36
Operator : AR\AJ
Sample : Q3586-03MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**
SED-3MSD

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Yogesh Patel 11/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:20:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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... | 3.543 | 2.874 | 46321195 | 514.1E6 | 14.874m | 17.264 |
| 28) | SA Decachlor... | 9.067 | 8.061 | 68584554 | 502.9E6 | 14.661 | 16.604 |
| | Target Compounds | | | | | | |
| 2) | A alpha-BHC | 3.993 | 3.386 | 348.1E6 | 2641.6E6 | 48.499 | 51.699 |
| 3) | MA gamma-BHC... | 4.324 | 3.722 | 323.1E6 | 2414.0E6 | 47.525 | 51.092 |
| 4) | MA Heptachlor | 4.922 | 4.074 | 322.6E6 | 2389.8E6 | 57.717 | 53.580 |
| 5) | MB Aldrin | 5.263 | 4.359 | 310.4E6 | 2349.8E6 | 47.416 | 50.730 |
| 6) | B beta-BHC | 4.511 | 4.018 | 125.3E6 | 1037.9E6 | 47.823 | 52.342 |
| 7) | B delta-BHC | 4.759 | 4.254 | 325.8E6 | 2428.0E6 | 48.177 | 50.883 |
| 8) | B Heptachlo... | 5.684 | 4.863 | 275.6E6 | 2138.6E6 | 47.601 | 50.156 |
| 9) | A Endosulfan I | 6.067 | 5.236 | 260.0E6 | 1980.0E6 | 46.952 | 50.267 |
| 10) | B gamma-Chl... | 5.939 | 5.115 | 272.9E6 | 2258.1E6 | 46.018 | 50.237 |
| 11) | B alpha-Chl... | 6.020 | 5.180 | 287.6E6 | 2176.3E6 | 46.537 | 50.451 |
| 12) | B 4,4'-DDE | 6.189 | 5.364 | 247.2E6 | 2203.2E6 | 46.401 | 50.257 |
| 13) | MA Dieldrin | 6.340 | 5.502 | 276.4E6 | 2227.9E6 | 47.406 | 50.423 |
| 14) | MA Endrin | 6.568 | 5.779 | 229.8E6 | 2014.5E6 | 46.384 | 49.748 |
| 15) | B Endosulfa... | 6.781 | 6.071 | 226.7E6 | 1912.0E6 | 45.341 | 50.912 |
| 16) | A 4,4'-DDD | 6.700 | 5.919 | 200.6E6 | 1802.4E6 | 49.486 | 49.464 |
| 17) | MA 4,4'-DDT | 7.015 | 6.173 | 197.9E6 | 1813.1E6 | 48.150 | 51.695 |
| 18) | B Endrin al... | 6.910 | 6.249 | 172.1E6 | 1411.7E6 | 46.985 | 50.978 |
| 19) | B Endosulfa... | 7.145 | 6.472 | 211.9E6 | 1821.8E6 | 45.696 | 50.825 |
| 20) | A Methoxychlor | 7.488 | 6.743 | 101.2E6 | 902.1E6 | 47.632 | 51.761 |
| 21) | B Endrin ke... | 7.626 | 6.981 | 231.2E6 | 1972.7E6 | 47.576 | 52.303 |
| 22) | Mirex | 8.108 | 7.174 | 140.6E6 | 1269.1E6 | 43.932 | 49.397 |

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

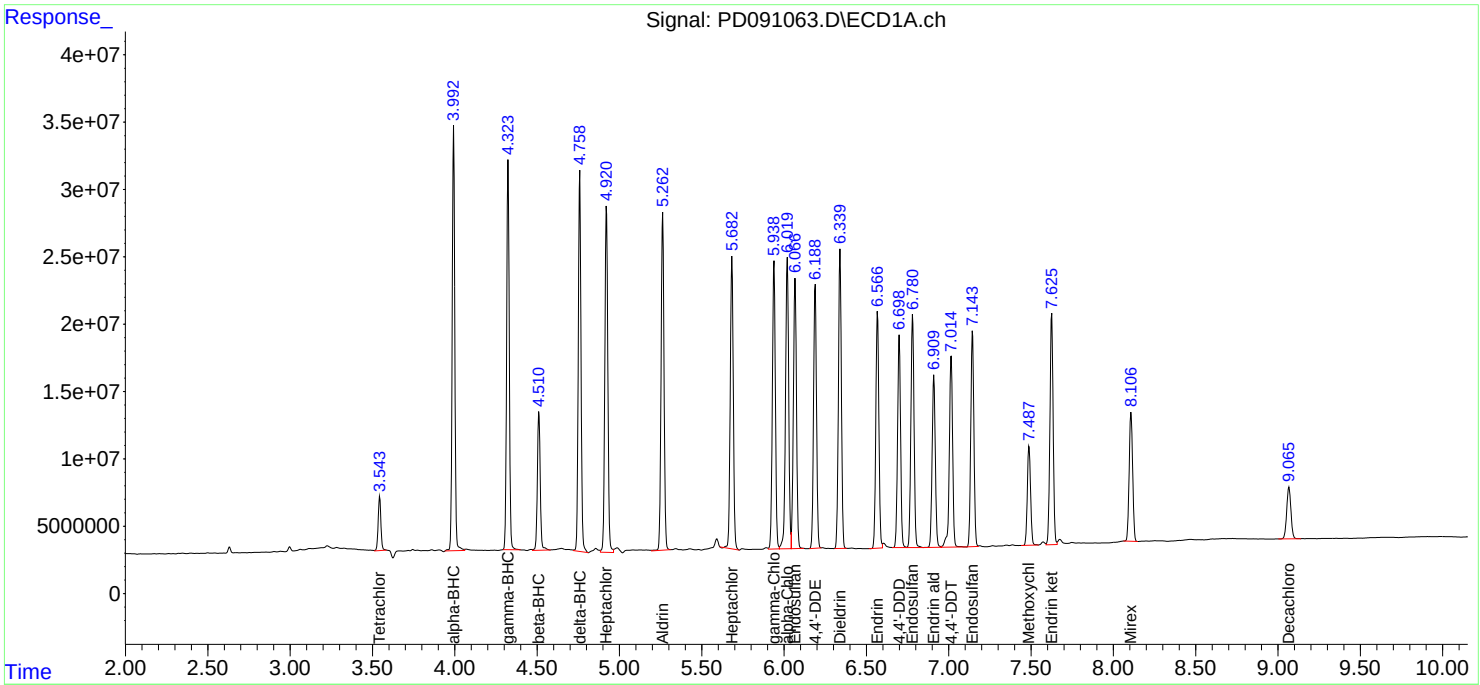
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111125\
Data File : PD091063.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 14:36
Operator : AR\AJ
Sample : Q3586-03MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

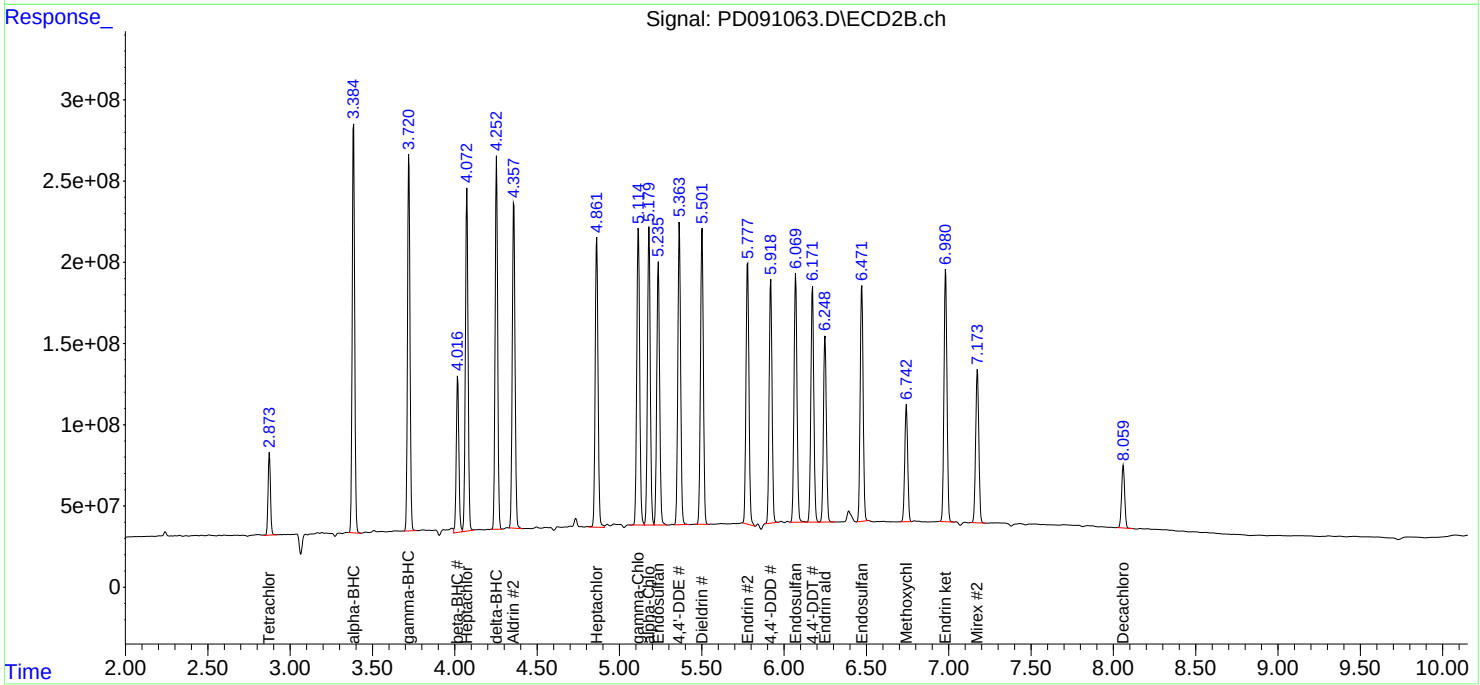
**Instrument :**
ECD_D
**ClientSampleId :**
SED-3MSD

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Yogesh Patel 11/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 12 00:20:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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



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# Manual Integration Report

| Sequence: | pd101725 | Instrument | ECD_d |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| PEM | PD090648.D | Endrin aldehyde | Abdul | 10/19/2025 5:20:46 PM | mohammad | 10/24/2025 1:04:58 | Peak Integrated by Software |
| PEM | PD090648.D | Endrin ketone #2 | Abdul | 10/19/2025 5:20:46 PM | mohammad | 10/24/2025 1:04:58 | Peak Integrated by Software |
| RESCHK | PD090649.D | Tetrachloro-m-xylene | Abdul | 10/19/2025 5:20:37 PM | mohammad | 10/24/2025 1:04:58 | Peak Integrated by Software |
| PSTDICC005 | PD090654.D | alpha-Chlordane | Abdul | 10/19/2025 5:19:40 PM | mohammad | 10/24/2025 1:04:58 | Peak Integrated by Software |
| PSTDICC005 | PD090654.D | Endrin ketone | Abdul | 10/19/2025 5:19:40 PM | mohammad | 10/24/2025 1:04:58 | Peak Integrated by Software |
| PSTDICC005 | PD090654.D | Tetrachloro-m-xylene | Abdul | 10/19/2025 5:19:40 PM | mohammad | 10/24/2025 1:04:58 | Peak Integrated by Software |
| PTOXICV500 | PD090667.D | Toxaphene-5 #2 | Abdul | 10/21/2025 8:49:16 AM | mohammad | 10/24/2025 1:04:58 | Peak Integrated by Software |
| PEM | PD090669.D | 4,4"-DDD | Abdul | 10/21/2025 8:49:12 AM | mohammad | 10/24/2025 1:04:58 | Peak Integrated by Software |
| PEM | PD090669.D | 4,4"-DDD #2 | Abdul | 10/21/2025 8:49:12 AM | mohammad | 10/24/2025 1:04:58 | Peak Integrated by Software |
| PEM | PD090669.D | Endrin aldehyde | Abdul | 10/21/2025 8:49:12 AM | mohammad | 10/24/2025 1:04:58 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PD111125 | Instrument | ECD_d |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| PEM | PD091051.D | Endrin aldehyde | rahul | 11/12/2025 8:58:57 AM | yogesh | 11/12/2025 9:48:04 | Peak Integrated by Software |
| Q3586-01 | PD091059.D | Decachlorobiphenyl | rahul | 11/12/2025 8:59:17 AM | yogesh | 11/12/2025 9:48:28 | Peak Integrated by Software |
| Q3586-01 | PD091059.D | Tetrachloro-m-xylene | rahul | 11/12/2025 8:59:17 AM | yogesh | 11/12/2025 9:48:28 | Peak Integrated by Software |
| Q3586-02 | PD091060.D | Tetrachloro-m-xylene | rahul | 11/12/2025 8:59:20 AM | yogesh | 11/12/2025 9:48:30 | Peak Integrated by Software |
| Q3586-03 | PD091061.D | Tetrachloro-m-xylene | rahul | 11/12/2025 8:59:23 AM | yogesh | 11/12/2025 9:48:35 | Peak Integrated by Software |
| Q3586-03 | PD091061.D | Tetrachloro-m-xylene #2 | rahul | 11/12/2025 8:59:23 AM | yogesh | 11/12/2025 9:48:35 | Peak Integrated by Software |
| Q3586-03MS | PD091062.D | Endrin | rahul | 11/12/2025 8:59:25 AM | yogesh | 11/12/2025 9:48:38 | Peak Integrated by Software |
| Q3586-03MS | PD091062.D | Tetrachloro-m-xylene | rahul | 11/12/2025 8:59:25 AM | yogesh | 11/12/2025 9:48:38 | Peak Integrated by Software |
| Q3586-03MSD | PD091063.D | Tetrachloro-m-xylene | rahul | 11/12/2025 8:59:28 AM | yogesh | 11/12/2025 9:48:41 | Peak Integrated by Software |
| PEM | PD091068.D | 4,4"-DDE | rahul | 11/12/2025 8:59:40 AM | yogesh | 11/12/2025 9:48:53 | Peak Integrated by Software |
| PSTDCCC050 | PD091069.D | Heptachlor epoxide | rahul | 11/12/2025 8:59:43 AM | yogesh | 11/12/2025 9:48:55 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PD111225 | Instrument | ECD_d |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| PB170476BS | PD091085.D | 4,4"-DDD | rahul | 11/13/2025 11:01:29 AM | yogesh | 11/13/2025 1:17:38 | Peak Integrated by Software |
| PB170476BS | PD091085.D | 4,4"-DDE #2 | rahul | 11/13/2025 11:01:29 AM | yogesh | 11/13/2025 1:17:38 | Peak Integrated by Software |
| PB170476BS | PD091085.D | Endrin | rahul | 11/13/2025 11:01:29 AM | yogesh | 11/13/2025 1:17:38 | Peak Integrated by Software |
| PB170476BS | PD091085.D | Endrin ketone #2 | rahul | 11/13/2025 11:01:29 AM | yogesh | 11/13/2025 1:17:38 | Peak Integrated by Software |
| PB170476BS | PD091085.D | Methoxychlor | rahul | 11/13/2025 11:01:29 AM | yogesh | 11/13/2025 1:17:38 | Peak Integrated by Software |
| PB170476BS | PD091085.D | Tetrachloro-m-xylene #2 | rahul | 11/13/2025 11:01:29 AM | yogesh | 11/13/2025 1:17:38 | Peak Integrated by Software |
| PEM | PD091105.D | 4,4"-DDE | rahul | 11/13/2025 2:09:41 PM | Sohil | 11/14/2025 4:16:44 | Peak Integrated by Software |
| PEM | PD091105.D | Endrin aldehyde #2 | rahul | 11/13/2025 2:09:41 PM | Sohil | 11/14/2025 4:16:44 | Peak Integrated by Software |

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Fax : 908 789 8922



**Instrument ID: ECD_D**

## Daily Analysis Runlog For Sequence/QCBatch ID # PD101725

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 10/19/2025 5:21:31 PM | | |
| Supervise By | mohammad | Supervise On | 10/24/2025 1:04:58 AM | | |
| SubDirectory | PD101725 | HP Acquire Method | | HP Processing Method | pd101725 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24942,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 | PD090646.D | 17 Oct 2025 10:40 | AR\AJ | Ok |
| 2 | I.BLK | PD090647.D | 17 Oct 2025 10:53 | AR\AJ | Ok |
| 3 | PEM | PD090648.D | 17 Oct 2025 11:07 | AR\AJ | Ok,M |
| 4 | RESCHK | PD090649.D | 17 Oct 2025 11:20 | AR\AJ | Ok,M |
| 5 | PSTDICC100 | PD090650.D | 17 Oct 2025 11:34 | AR\AJ | Ok |
| 6 | PSTDICC075 | PD090651.D | 17 Oct 2025 11:48 | AR\AJ | Ok |
| 7 | PSTDICC050 | PD090652.D | 17 Oct 2025 12:01 | AR\AJ | Ok |
| 8 | PSTDICC025 | PD090653.D | 17 Oct 2025 12:15 | AR\AJ | Ok |
| 9 | PSTDICC005 | PD090654.D | 17 Oct 2025 12:28 | AR\AJ | Ok,M |
| 10 | PCHLORICC1000 | PD090655.D | 17 Oct 2025 12:42 | AR\AJ | Ok |
| 11 | PCHLORICC750 | PD090656.D | 17 Oct 2025 12:56 | AR\AJ | Ok |
| 12 | PCHLORICC500 | PD090657.D | 17 Oct 2025 13:09 | AR\AJ | Ok |
| 13 | PCHLORICC250 | PD090658.D | 17 Oct 2025 13:23 | AR\AJ | Ok |
| 14 | PCHLORICC050 | PD090659.D | 17 Oct 2025 13:36 | AR\AJ | Ok,M |
| 15 | PTOXICC1000 | PD090660.D | 17 Oct 2025 13:50 | AR\AJ | Ok |
| 16 | PTOXICC750 | PD090661.D | 17 Oct 2025 14:03 | AR\AJ | Ok |
| 17 | PTOXICC500 | PD090662.D | 17 Oct 2025 14:17 | AR\AJ | Ok |
| 18 | PTOXICC250 | PD090663.D | 17 Oct 2025 14:30 | AR\AJ | Ok |
| 19 | PTOXICC100 | PD090664.D | 17 Oct 2025 16:18 | AR\AJ | Ok |
| 20 | PSTDICV050 | PD090665.D | 17 Oct 2025 16:46 | AR\AJ | Ok |
| 21 | PCHLORICV500 | PD090666.D | 17 Oct 2025 17:50 | AR\AJ | Ok |

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**Instrument ID: ECD_D**

## Daily Analysis Runlog For Sequence/QCBatch ID # PD101725

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 10/19/2025 5:21:31 PM | | |
| Supervise By | mohammad | Supervise On | 10/24/2025 1:04:58 AM | | |
| SubDirectory | PD101725 | HP Acquire Method | | HP Processing Method | pd101725 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24942,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 | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | PTOXICV500 | PD090667.D | 17 Oct 2025 18:42 | AR\AJ | Ok,M |
| 23 | I.BLK | PD090668.D | 17 Oct 2025 19:50 | AR\AJ | Ok |
| 24 | PEM | PD090669.D | 17 Oct 2025 20:04 | AR\AJ | Ok,M |
| 25 | PSTDCCC050 | PD090670.D | 17 Oct 2025 20:18 | AR\AJ | Ok |
| 26 | PB170142BL | PD090671.D | 17 Oct 2025 20:31 | AR\AJ | Ok |
| 27 | PB170142BS | PD090672.D | 17 Oct 2025 20:45 | AR\AJ | Ok |
| 28 | Q3366-01 | PD090673.D | 17 Oct 2025 20:59 | AR\AJ | Ok,M |
| 29 | Q3366-03 | PD090674.D | 17 Oct 2025 21:12 | AR\AJ | Ok,M |
| 30 | Q3367-01 | PD090675.D | 17 Oct 2025 21:26 | AR\AJ | Ok,M |
| 31 | Q3369-01 | PD090676.D | 17 Oct 2025 21:40 | AR\AJ | Ok,M |
| 32 | Q3369-05 | PD090677.D | 17 Oct 2025 21:53 | AR\AJ | Ok,M |
| 33 | Q3363-01 | PD090678.D | 17 Oct 2025 22:48 | AR\AJ | Ok,M |
| 34 | Q3363-02 | PD090679.D | 17 Oct 2025 23:02 | AR\AJ | Ok,M |
| 35 | Q3363-03 | PD090680.D | 17 Oct 2025 23:15 | AR\AJ | Ok,M |
| 36 | Q3363-04 | PD090681.D | 17 Oct 2025 23:29 | AR\AJ | Ok,M |
| 37 | Q3363-04MS | PD090682.D | 17 Oct 2025 23:43 | AR\AJ | Ok,M |
| 38 | Q3363-04MSD | PD090683.D | 17 Oct 2025 23:56 | AR\AJ | Ok,M |
| 39 | Q3363-05 | PD090684.D | 18 Oct 2025 00:10 | AR\AJ | Ok,M |
| 40 | Q3343-04MS | PD090685.D | 18 Oct 2025 00:24 | AR\AJ | Ok,M |
| 41 | Q3343-04MSD | PD090686.D | 18 Oct 2025 00:37 | AR\AJ | Ok |
| 42 | I.BLK | PD090687.D | 18 Oct 2025 00:51 | AR\AJ | Ok |
| 43 | PSTDCCC050 | PD090688.D | 18 Oct 2025 02:13 | AR\AJ | Ok |

M : Manual Integration

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Fax : 908 789 8922



**Instrument ID: ECD_D**

## Daily Analysis Runlog For Sequence/QCBatch ID # PD111125

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/11/2025 1:40:14 PM | | |
| Supervise By | yogesh | Supervise On | 11/12/2025 9:49:28 AM | | |
| SubDirectory | PD111125 | HP Acquire Method | | HP Processing Method | PD101725 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24942,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 | PD091049.D | 11 Nov 2025 08:45 | AR\AJ | Ok |
| 2 | I.BLK | PD091050.D | 11 Nov 2025 08:59 | AR\AJ | Ok |
| 3 | PEM | PD091051.D | 11 Nov 2025 09:13 | AR\AJ | Ok,M |
| 4 | PSTDCCC050 | PD091052.D | 11 Nov 2025 09:26 | AR\AJ | Ok |
| 5 | Q3581-01 | PD091053.D | 11 Nov 2025 12:19 | AR\AJ | Ok,M |
| 6 | Q3581-03 | PD091054.D | 11 Nov 2025 12:33 | AR\AJ | Ok,M |
| 7 | Q3581-05 | PD091055.D | 11 Nov 2025 12:47 | AR\AJ | Ok,M |
| 8 | Q3581-07 | PD091056.D | 11 Nov 2025 13:00 | AR\AJ | Ok,M |
| 9 | Q3582-04 | PD091057.D | 11 Nov 2025 13:14 | AR\AJ | Ok,M |
| 10 | Q3583-04 | PD091058.D | 11 Nov 2025 13:28 | AR\AJ | Ok,M |
| 11 | Q3586-01 | PD091059.D | 11 Nov 2025 13:41 | AR\AJ | Ok,M |
| 12 | Q3586-02 | PD091060.D | 11 Nov 2025 13:55 | AR\AJ | Ok,M |
| 13 | Q3586-03 | PD091061.D | 11 Nov 2025 14:09 | AR\AJ | Ok,M |
| 14 | Q3586-03MS | PD091062.D | 11 Nov 2025 14:22 | AR\AJ | Ok,M |
| 15 | Q3586-03MSD | PD091063.D | 11 Nov 2025 14:36 | AR\AJ | Ok,M |
| 16 | Q3587-01 | PD091064.D | 11 Nov 2025 14:50 | AR\AJ | Ok,M |
| 17 | Q3588-01 | PD091065.D | 11 Nov 2025 15:03 | AR\AJ | Ok,M |
| 18 | Q3588-03 | PD091066.D | 11 Nov 2025 15:17 | AR\AJ | Ok,M |
| 19 | I.BLK | PD091067.D | 11 Nov 2025 15:31 | AR\AJ | Ok |
| 20 | PEM | PD091068.D | 11 Nov 2025 15:44 | AR\AJ | Ok,M |
| 21 | PSTDCCC050 | PD091069.D | 11 Nov 2025 15:58 | AR\AJ | Ok,M |

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Fax : 908 789 8922



**Instrument ID: ECD_D**

## Daily Analysis Runlog For Sequence/QCBatch ID # PD111125

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/11/2025 1:40:14 PM | | |
| Supervise By | yogesh | Supervise On | 11/12/2025 9:49:28 AM | | |
| SubDirectory | PD111125 | HP Acquire Method | | HP Processing Method | PD101725 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24942,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 | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | PB170476BL | PD091070.D | 11 Nov 2025 16:12 | AR\AJ | Not Ok |
| 23 | PB170476BS | PD091071.D | 11 Nov 2025 16:25 | AR\AJ | Not Ok |
| 24 | PB170485BL | PD091072.D | 11 Nov 2025 16:39 | AR\AJ | Not Ok |
| 25 | PB170485BS | PD091073.D | 11 Nov 2025 16:52 | AR\AJ | Not Ok |
| 26 | PB170485BSD | PD091074.D | 11 Nov 2025 17:06 | AR\AJ | Not Ok |
| 27 | Q3569-01 | PD091075.D | 11 Nov 2025 17:20 | AR\AJ | Not Ok |
| 28 | Q3569-02 | PD091076.D | 11 Nov 2025 17:33 | AR\AJ | Not Ok |
| 29 | Q3584-01 | PD091077.D | 11 Nov 2025 17:47 | AR\AJ | Not Ok |
| 30 | Q3584-02 | PD091078.D | 11 Nov 2025 18:01 | AR\AJ | Not Ok |
| 31 | Q3584-03 | PD091079.D | 11 Nov 2025 18:14 | AR\AJ | Not Ok |

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**Instrument ID: ECD_D**

## Daily Analysis Runlog For Sequence/QCBatch ID # PD111225

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/12/2025 9:01:58 AM | | |
| Supervise By | yogesh | Supervise On | 11/13/2025 1:18:12 PM | | |
| SubDirectory | PD111225 | HP Acquire Method | | HP Processing Method | PD101725 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24942,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 | PD091080.D | 12 Nov 2025 08:48 | AR\AJ | Ok |
| 2 | I.BLK | PD091081.D | 12 Nov 2025 09:01 | AR\AJ | Ok |
| 3 | PEM | PD091082.D | 12 Nov 2025 09:15 | AR\AJ | Ok |
| 4 | PSTDCCC050 | PD091083.D | 12 Nov 2025 09:28 | AR\AJ | Ok |
| 5 | PB170476BL | PD091084.D | 12 Nov 2025 09:44 | AR\AJ | Ok |
| 6 | PB170476BS | PD091085.D | 12 Nov 2025 09:57 | AR\AJ | Ok,M |
| 7 | PB170485BL | PD091086.D | 12 Nov 2025 10:11 | AR\AJ | Ok |
| 8 | PB170485BS | PD091087.D | 12 Nov 2025 10:25 | AR\AJ | Ok,M |
| 9 | PB1701485BSD | PD091088.D | 12 Nov 2025 10:38 | AR\AJ | Not Ok |
| 10 | Q3593-04 | PD091089.D | 12 Nov 2025 10:52 | AR\AJ | Ok |
| 11 | Q3593-06 | PD091090.D | 12 Nov 2025 11:06 | AR\AJ | Ok |
| 12 | Q3593-08 | PD091091.D | 12 Nov 2025 11:19 | AR\AJ | Ok |
| 13 | Q3593-10 | PD091092.D | 12 Nov 2025 11:33 | AR\AJ | Not Ok |
| 14 | PB170485BSD | PD091093.D | 12 Nov 2025 11:47 | AR\AJ | Ok,M |
| 15 | Q3569-01 | PD091094.D | 12 Nov 2025 12:00 | AR\AJ | Ok,M |
| 16 | Q3569-02 | PD091095.D | 12 Nov 2025 12:14 | AR\AJ | Ok |
| 17 | Q3584-01 | PD091096.D | 12 Nov 2025 12:28 | AR\AJ | Ok,M |
| 18 | Q3593-10DL | PD091097.D | 12 Nov 2025 12:42 | AR\AJ | Not Ok |
| 19 | Q3584-02 | PD091098.D | 12 Nov 2025 12:55 | AR\AJ | Ok,M |
| 20 | Q3593-10 | PD091099.D | 12 Nov 2025 13:09 | AR\AJ | Dilution |
| 21 | Q3584-03 | PD091100.D | 12 Nov 2025 13:22 | AR\AJ | Ok,M |

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**Instrument ID: ECD_D**

## Daily Analysis Runlog For Sequence/QCBatch ID # PD111225

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/12/2025 9:01:58 AM | | |
| Supervise By | yogesh | Supervise On | 11/13/2025 1:18:12 PM | | |
| SubDirectory | PD111225 | HP Acquire Method | | HP Processing Method | PD101725 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24942,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 | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q3593-10DL | PD091101.D | 12 Nov 2025 13:36 | AR\AJ | Ok,M |
| 23 | Q3584-04 | PD091102.D | 12 Nov 2025 13:50 | AR\AJ | Ok |
| 24 | Q3584-05 | PD091103.D | 12 Nov 2025 14:03 | AR\AJ | Ok |
| 25 | I.BLK | PD091104.D | 12 Nov 2025 14:17 | AR\AJ | Ok |
| 26 | PEM | PD091105.D | 12 Nov 2025 14:31 | AR\AJ | Ok,M |
| 27 | PSTDCCC050 | PD091106.D | 12 Nov 2025 14:44 | AR\AJ | Ok |
| 28 | PB170506BL | PD091107.D | 12 Nov 2025 14:58 | AR\AJ | Ok |
| 29 | PB170506BS | PD091108.D | 12 Nov 2025 15:12 | AR\AJ | Not Ok |
| 30 | Q3597-01 | PD091109.D | 12 Nov 2025 15:26 | AR\AJ | Ok,M |
| 31 | Q3597-01MS | PD091110.D | 12 Nov 2025 15:39 | AR\AJ | Ok,M |
| 32 | Q3597-01MSD | PD091111.D | 12 Nov 2025 15:53 | AR\AJ | Ok,M |
| 33 | Q3597-04 | PD091112.D | 12 Nov 2025 16:07 | AR\AJ | Ok,M |
| 34 | Q3597-07 | PD091113.D | 12 Nov 2025 16:20 | AR\AJ | Ok,M |
| 35 | Q3597-10 | PD091114.D | 12 Nov 2025 16:34 | AR\AJ | Ok,M |
| 36 | Q3598-01 | PD091115.D | 12 Nov 2025 16:47 | AR\AJ | Ok,M |
| 37 | Q3600-01 | PD091116.D | 12 Nov 2025 17:01 | AR\AJ | Ok |
| 38 | I.BLK | PD091117.D | 12 Nov 2025 17:15 | AR\AJ | Ok |
| 39 | PSTDCCC050 | PD091118.D | 12 Nov 2025 17:28 | AR\AJ | Ok |
| 40 | Q3601-01 | PD091119.D | 12 Nov 2025 18:09 | AR\AJ | Ok,M |
| 41 | Q3601-05 | PD091120.D | 12 Nov 2025 18:23 | AR\AJ | Ok,M |
| 42 | Q3601-09 | PD091121.D | 12 Nov 2025 18:37 | AR\AJ | Ok,M |
| 43 | Q3601-13 | PD091122.D | 12 Nov 2025 18:50 | AR\AJ | Ok,M |
| 44 | Q3601-17 | PD091123.D | 12 Nov 2025 19:04 | AR\AJ | Ok,M |

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**Instrument ID: ECD_D**

## Daily Analysis Runlog For Sequence/QCBatch ID # PD111225

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/12/2025 9:01:58 AM | | |
| Supervise By | yogesh | Supervise On | 11/13/2025 1:18:12 PM | | |
| SubDirectory | PD111225 | HP Acquire Method | | HP Processing Method | PD101725 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24942,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 | |

| | | | | | |
|---|---|---|---|---|---|
| 45 | Q3584-07 | PD091124.D | 12 Nov 2025 19:18 | AR\AJ | Ok,M |
| 46 | Q3599-01 | PD091125.D | 12 Nov 2025 19:31 | AR\AJ | Ok,M |
| 47 | Q3590-01 | PD091126.D | 12 Nov 2025 19:45 | AR\AJ | Ok |
| 48 | Q3590-03 | PD091127.D | 12 Nov 2025 19:59 | AR\AJ | Ok,M |
| 49 | Q3590-05 | PD091128.D | 12 Nov 2025 20:12 | AR\AJ | Ok,M |
| 50 | I.BLK | PD091129.D | 12 Nov 2025 20:53 | AR\AJ | Ok |
| 51 | PSTDCCC050 | PD091130.D | 12 Nov 2025 21:07 | AR\AJ | Ok |
| 52 | PB170498BL | PD091131.D | 12 Nov 2025 21:48 | AR\AJ | Ok |
| 53 | PB170498BS | PD091132.D | 12 Nov 2025 22:02 | AR\AJ | Ok |
| 54 | PB170493TB | PD091133.D | 12 Nov 2025 22:15 | AR\AJ | Ok |
| 55 | Q3604-01 | PD091134.D | 12 Nov 2025 22:29 | AR\AJ | Ok,M |
| 56 | Q3604-01MS | PD091135.D | 12 Nov 2025 22:43 | AR\AJ | Ok |
| 57 | Q3604-01MSD | PD091136.D | 12 Nov 2025 22:56 | AR\AJ | Ok |
| 58 | Q3604-02 | PD091137.D | 12 Nov 2025 23:10 | AR\AJ | Ok,M |
| 59 | I.BLK | PD091138.D | 12 Nov 2025 23:24 | AR\AJ | Ok |
| 60 | PSTDCCC050 | PD091139.D | 12 Nov 2025 23:37 | AR\AJ | Ok |

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**Instrument ID:** ECD_D

## Daily Analysis Runlog For Sequence/QCBatch ID # PD101725

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 10/19/2025 5:21:31 PM | | |
| Supervise By | mohammad | Supervise On | 10/24/2025 1:04:58 AM | | |
| SubDirectory | PD101725 | HP Acquire Method | | HP Processing Method | pd101725 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24942,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 | PD090646.D | 17 Oct 2025 10:40 | | AR\AJ | Ok |
| 2 | I.BLK | I.BLK | PD090647.D | 17 Oct 2025 10:53 | | AR\AJ | Ok |
| 3 | PEM | PEM | PD090648.D | 17 Oct 2025 11:07 | | AR\AJ | Ok,M |
| 4 | RESCHK | RESCHK | PD090649.D | 17 Oct 2025 11:20 | | AR\AJ | Ok,M |
| 5 | PSTDICC100 | PSTDICC100 | PD090650.D | 17 Oct 2025 11:34 | | AR\AJ | Ok |
| 6 | PSTDICC075 | PSTDICC075 | PD090651.D | 17 Oct 2025 11:48 | | AR\AJ | Ok |
| 7 | PSTDICC050 | PSTDICC050 | PD090652.D | 17 Oct 2025 12:01 | | AR\AJ | Ok |
| 8 | PSTDICC025 | PSTDICC025 | PD090653.D | 17 Oct 2025 12:15 | | AR\AJ | Ok |
| 9 | PSTDICC005 | PSTDICC005 | PD090654.D | 17 Oct 2025 12:28 | | AR\AJ | Ok,M |
| 10 | PCHLORICC1000 | PCHLORICC1000 | PD090655.D | 17 Oct 2025 12:42 | | AR\AJ | Ok |
| 11 | PCHLORICC750 | PCHLORICC750 | PD090656.D | 17 Oct 2025 12:56 | | AR\AJ | Ok |
| 12 | PCHLORICC500 | PCHLORICC500 | PD090657.D | 17 Oct 2025 13:09 | | AR\AJ | Ok |
| 13 | PCHLORICC250 | PCHLORICC250 | PD090658.D | 17 Oct 2025 13:23 | | AR\AJ | Ok |
| 14 | PCHLORICC050 | PCHLORICC050 | PD090659.D | 17 Oct 2025 13:36 | | AR\AJ | Ok,M |
| 15 | PTOXICC1000 | PTOXICC1000 | PD090660.D | 17 Oct 2025 13:50 | | AR\AJ | Ok |
| 16 | PTOXICC750 | PTOXICC750 | PD090661.D | 17 Oct 2025 14:03 | | AR\AJ | Ok |
| 17 | PTOXICC500 | PTOXICC500 | PD090662.D | 17 Oct 2025 14:17 | | AR\AJ | Ok |
| 18 | PTOXICC250 | PTOXICC250 | PD090663.D | 17 Oct 2025 14:30 | | AR\AJ | Ok |

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**Instrument ID:** ECD_D

## Daily Analysis Runlog For Sequence/QCBatch ID # PD101725

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 10/19/2025 5:21:31 PM | | |
| Supervise By | mohammad | Supervise On | 10/24/2025 1:04:58 AM | | |
| SubDirectory | PD101725 | HP Acquire Method | | HP Processing Method | pd101725 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24942,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 | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | PTOXICC100 | PTOXICC100 | PD090664.D | 17 Oct 2025 16:18 | | AR\AJ | Ok |
| 20 | PSTDICV050 | ICVPD101725 | PD090665.D | 17 Oct 2025 16:46 | | AR\AJ | Ok |
| 21 | PCHLORICV500 | ICVPD101725CHLOR | PD090666.D | 17 Oct 2025 17:50 | | AR\AJ | Ok |
| 22 | PTOXICV500 | ICVPD101725TOX | PD090667.D | 17 Oct 2025 18:42 | | AR\AJ | Ok,M |
| 23 | I.BLK | I.BLK | PD090668.D | 17 Oct 2025 19:50 | | AR\AJ | Ok |
| 24 | PEM | PEM | PD090669.D | 17 Oct 2025 20:04 | | AR\AJ | Ok,M |
| 25 | PSTDCCC050 | PSTDCCC050 | PD090670.D | 17 Oct 2025 20:18 | | AR\AJ | Ok |
| 26 | PB170142BL | PB170142BL | PD090671.D | 17 Oct 2025 20:31 | | AR\AJ | Ok |
| 27 | PB170142BS | PB170142BS | PD090672.D | 17 Oct 2025 20:45 | | AR\AJ | Ok |
| 28 | Q3366-01 | TR-06-101625 | PD090673.D | 17 Oct 2025 20:59 | | AR\AJ | Ok,M |
| 29 | Q3366-03 | TR-1-101625 | PD090674.D | 17 Oct 2025 21:12 | | AR\AJ | Ok,M |
| 30 | Q3367-01 | BU-03-101625 | PD090675.D | 17 Oct 2025 21:26 | | AR\AJ | Ok,M |
| 31 | Q3369-01 | MH-22 | PD090676.D | 17 Oct 2025 21:40 | | AR\AJ | Ok,M |
| 32 | Q3369-05 | MH-21 | PD090677.D | 17 Oct 2025 21:53 | | AR\AJ | Ok,M |
| 33 | Q3363-01 | PR132-SO1-085011-20 | PD090678.D | 17 Oct 2025 22:48 | | AR\AJ | Ok,M |
| 34 | Q3363-02 | PR132-SO1-039085-20 | PD090679.D | 17 Oct 2025 23:02 | | AR\AJ | Ok,M |
| 35 | Q3363-03 | PR132-SO3-028010-20 | PD090680.D | 17 Oct 2025 23:15 | | AR\AJ | Ok,M |
| 36 | Q3363-04 | PR132-SO3-010013-20 | PD090681.D | 17 Oct 2025 23:29 | | AR\AJ | Ok,M |
| 37 | Q3363-04MS | PR132-SO3-010013-20 | PD090682.D | 17 Oct 2025 23:43 | | AR\AJ | Ok,M |

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**Instrument ID:** ECD_D

## Daily Analysis Runlog For Sequence/QCBatch ID # PD101725

| | | | | | |
|---|---|---|---|---|---|
| Review By | Abdul | Review On | 10/19/2025 5:21:31 PM | | |
| Supervise By | mohammad | Supervise On | 10/24/2025 1:04:58 AM | | |
| SubDirectory | PD101725 | HP Acquire Method | | HP Processing Method | pd101725 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24942,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 | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 38 | Q3363-04MSD | PR132-SO3-010013-20 | PD090683.D | 17 Oct 2025 23:56 | | AR\AJ | Ok,M |
| 39 | Q3363-05 | COMP01-20251015 | PD090684.D | 18 Oct 2025 00:10 | | AR\AJ | Ok,M |
| 40 | Q3343-04MS | SOIL-ROLLOFF-WC-1 | PD090685.D | 18 Oct 2025 00:24 | | AR\AJ | Ok,M |
| 41 | Q3343-04MSD | SOIL-ROLLOFF-WC-1 | PD090686.D | 18 Oct 2025 00:37 | | AR\AJ | Ok |
| 42 | I.BLK | I.BLK | PD090687.D | 18 Oct 2025 00:51 | | AR\AJ | Ok |
| 43 | PSTDCCC050 | PSTDCCC050 | PD090688.D | 18 Oct 2025 02:13 | | AR\AJ | Ok |

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**Instrument ID:** ECD_D

## Daily Analysis Runlog For Sequence/QCBatch ID # PD111125

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/11/2025 1:40:14 PM | | |
| Supervise By | yogesh | Supervise On | 11/12/2025 9:49:28 AM | | |
| SubDirectory | PD111125 | HP Acquire Method | | HP Processing Method | PD101725 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24942,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 | PD091049.D | 11 Nov 2025 08:45 | | AR\AJ | Ok |
| 2 | I.BLK | I.BLK | PD091050.D | 11 Nov 2025 08:59 | | AR\AJ | Ok |
| 3 | PEM | PEM | PD091051.D | 11 Nov 2025 09:13 | | AR\AJ | Ok,M |
| 4 | PSTDCCC050 | PSTDCCC050 | PD091052.D | 11 Nov 2025 09:26 | | AR\AJ | Ok |
| 5 | Q3581-01 | VNJ-238 | PD091053.D | 11 Nov 2025 12:19 | | AR\AJ | Ok,M |
| 6 | Q3581-03 | VNJ-245 | PD091054.D | 11 Nov 2025 12:33 | | AR\AJ | Ok,M |
| 7 | Q3581-05 | VNJ-240 | PD091055.D | 11 Nov 2025 12:47 | | AR\AJ | Ok,M |
| 8 | Q3581-07 | RBR200059 | PD091056.D | 11 Nov 2025 13:00 | | AR\AJ | Ok,M |
| 9 | Q3582-04 | RT4912 | PD091057.D | 11 Nov 2025 13:14 | | AR\AJ | Ok,M |
| 10 | Q3583-04 | CHRT27080 | PD091058.D | 11 Nov 2025 13:28 | | AR\AJ | Ok,M |
| 11 | Q3586-01 | SED-1 | PD091059.D | 11 Nov 2025 13:41 | | AR\AJ | Ok,M |
| 12 | Q3586-02 | SED-2 | PD091060.D | 11 Nov 2025 13:55 | | AR\AJ | Ok,M |
| 13 | Q3586-03 | SED-3 | PD091061.D | 11 Nov 2025 14:09 | | AR\AJ | Ok,M |
| 14 | Q3586-03MS | SED-3MS | PD091062.D | 11 Nov 2025 14:22 | | AR\AJ | Ok,M |
| 15 | Q3586-03MSD | SED-3MSD | PD091063.D | 11 Nov 2025 14:36 | | AR\AJ | Ok,M |
| 16 | Q3587-01 | NB-08-110725 | PD091064.D | 11 Nov 2025 14:50 | | AR\AJ | Ok,M |
| 17 | Q3588-01 | TR-06-11072025 | PD091065.D | 11 Nov 2025 15:03 | | AR\AJ | Ok,M |
| 18 | Q3588-03 | TR-01-11072025 | PD091066.D | 11 Nov 2025 15:17 | | AR\AJ | Ok,M |

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**Instrument ID:** ECD_D

## Daily Analysis Runlog For Sequence/QCBatch ID # PD111125

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/11/2025 1:40:14 PM | | |
| Supervise By | yogesh | Supervise On | 11/12/2025 9:49:28 AM | | |
| SubDirectory | PD111125 | HP Acquire Method | | HP Processing Method | PD101725 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24942,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 | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | I.BLK | I.BLK | PD091067.D | 11 Nov 2025 15:31 | | AR\AJ | Ok |
| 20 | PEM | PEM | PD091068.D | 11 Nov 2025 15:44 | | AR\AJ | Ok,M |
| 21 | PSTDCCC050 | PSTDCCC050 | PD091069.D | 11 Nov 2025 15:58 | | AR\AJ | Ok,M |
| 22 | PB170476BL | PB170476BL | PD091070.D | 11 Nov 2025 16:12 | END CCC missing | AR\AJ | Not Ok |
| 23 | PB170476BS | PB170476BS | PD091071.D | 11 Nov 2025 16:25 | Endosulfan recovery fail , END CCC missing | AR\AJ | Not Ok |
| 24 | PB170485BL | PB170485BL | PD091072.D | 11 Nov 2025 16:39 | END CCC missing | AR\AJ | Not Ok |
| 25 | PB170485BS | PB170485BS | PD091073.D | 11 Nov 2025 16:52 | END CCC missing | AR\AJ | Not Ok |
| 26 | PB170485BSD | PB170485BSD | PD091074.D | 11 Nov 2025 17:06 | END CCC missing | AR\AJ | Not Ok |
| 27 | Q3569-01 | MW-2 | PD091075.D | 11 Nov 2025 17:20 | END CCC missing | AR\AJ | Not Ok |
| 28 | Q3569-02 | MW-12 | PD091076.D | 11 Nov 2025 17:33 | END CCC missing , DCB high in 2nd column | AR\AJ | Not Ok |
| 29 | Q3584-01 | SW-1 | PD091077.D | 11 Nov 2025 17:47 | END CCC missing | AR\AJ | Not Ok |
| 30 | Q3584-02 | SW-2 | PD091078.D | 11 Nov 2025 18:01 | END CCC missing | AR\AJ | Not Ok |
| 31 | Q3584-03 | SW-3 | PD091079.D | 11 Nov 2025 18:14 | END CCC missing | AR\AJ | Not Ok |

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Fax : 908 789 8922



**Instrument ID:** ECD_D

## Daily Analysis Runlog For Sequence/QCBatch ID # PD111225

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/12/2025 9:01:58 AM | | |
| Supervise By | yogesh | Supervise On | 11/13/2025 1:18:12 PM | | |
| SubDirectory | PD111225 | HP Acquire Method | | HP Processing Method | PD101725 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24942,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 | PD091080.D | 12 Nov 2025 08:48 | | AR\AJ | Ok |
| 2 | I.BLK | I.BLK | PD091081.D | 12 Nov 2025 09:01 | | AR\AJ | Ok |
| 3 | PEM | PEM | PD091082.D | 12 Nov 2025 09:15 | | AR\AJ | Ok |
| 4 | PSTDCCC050 | PSTDCCC050 | PD091083.D | 12 Nov 2025 09:28 | | AR\AJ | Ok |
| 5 | PB170476BL | PB170476BL | PD091084.D | 12 Nov 2025 09:44 | | AR\AJ | Ok |
| 6 | PB170476BS | PB170476BS | PD091085.D | 12 Nov 2025 09:57 | | AR\AJ | Ok,M |
| 7 | PB170485BL | PB170485BL | PD091086.D | 12 Nov 2025 10:11 | | AR\AJ | Ok |
| 8 | PB170485BS | PB170485BS | PD091087.D | 12 Nov 2025 10:25 | | AR\AJ | Ok,M |
| 9 | PB1701485BSD | PB1701485BSD | PD091088.D | 12 Nov 2025 10:38 | | AR\AJ | Not Ok |
| 10 | Q3593-04 | A-LAW-25-0167-0175-( | PD091089.D | 12 Nov 2025 10:52 | | AR\AJ | Ok |
| 11 | Q3593-06 | B-LAW-25-0167-0175-( | PD091090.D | 12 Nov 2025 11:06 | | AR\AJ | Ok |
| 12 | Q3593-08 | C-LAW-25-0156-0166-( | PD091091.D | 12 Nov 2025 11:19 | DCB high 1st column | AR\AJ | Ok |
| 13 | Q3593-10 | D-LAW-25-0156-0166-( | PD091092.D | 12 Nov 2025 11:33 | Need 10X | AR\AJ | Not Ok |
| 14 | PB170485BSD | PB170485BSD | PD091093.D | 12 Nov 2025 11:47 | | AR\AJ | Ok,M |
| 15 | Q3569-01 | MW-2 | PD091094.D | 12 Nov 2025 12:00 | | AR\AJ | Ok,M |
| 16 | Q3569-02 | MW-12 | PD091095.D | 12 Nov 2025 12:14 | | AR\AJ | Ok |
| 17 | Q3584-01 | SW-1 | PD091096.D | 12 Nov 2025 12:28 | | AR\AJ | Ok,M |
| 18 | Q3593-10DL | D-LAW-25-0156-0166-( | PD091097.D | 12 Nov 2025 12:42 | | AR\AJ | Not Ok |

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**Instrument ID:** ECD_D

## Daily Analysis Runlog For Sequence/QCBatch ID # PD111225

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/12/2025 9:01:58 AM | | |
| Supervise By | yogesh | Supervise On | 11/13/2025 1:18:12 PM | | |
| SubDirectory | PD111225 | HP Acquire Method | | HP Processing Method | PD101725 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24942,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 | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q3584-02 | SW-2 | PD091098.D | 12 Nov 2025 12:55 | | AR\AJ | Ok,M |
| 20 | Q3593-10 | D-LAW-25-0156-0166-( | PD091099.D | 12 Nov 2025 13:09 | Need 10X | AR\AJ | Dilution |
| 21 | Q3584-03 | SW-3 | PD091100.D | 12 Nov 2025 13:22 | | AR\AJ | Ok,M |
| 22 | Q3593-10DL | D-LAW-25-0156-0166-( | PD091101.D | 12 Nov 2025 13:36 | | AR\AJ | Ok,M |
| 23 | Q3584-04 | EB-2 | PD091102.D | 12 Nov 2025 13:50 | | AR\AJ | Ok |
| 24 | Q3584-05 | FB-2 | PD091103.D | 12 Nov 2025 14:03 | | AR\AJ | Ok |
| 25 | I.BLK | I.BLK | PD091104.D | 12 Nov 2025 14:17 | | AR\AJ | Ok |
| 26 | PEM | PEM | PD091105.D | 12 Nov 2025 14:31 | | AR\AJ | Ok,M |
| 27 | PSTDCCC050 | PSTDCCC050 | PD091106.D | 12 Nov 2025 14:44 | | AR\AJ | Ok |
| 28 | PB170506BL | PB170506BL | PD091107.D | 12 Nov 2025 14:58 | | AR\AJ | Ok |
| 29 | PB170506BS | PB170506BS | PD091108.D | 12 Nov 2025 15:12 | surrogate fail and recovery fail & Heptachlor | AR\AJ | Not Ok |
| 30 | Q3597-01 | TP-1 | PD091109.D | 12 Nov 2025 15:26 | | AR\AJ | Ok,M |
| 31 | Q3597-01MS | TP-1MS | PD091110.D | 12 Nov 2025 15:39 | | AR\AJ | Ok,M |
| 32 | Q3597-01MSD | TP-1MSD | PD091111.D | 12 Nov 2025 15:53 | | AR\AJ | Ok,M |
| 33 | Q3597-04 | TP-2 | PD091112.D | 12 Nov 2025 16:07 | | AR\AJ | Ok,M |
| 34 | Q3597-07 | TP-3 | PD091113.D | 12 Nov 2025 16:20 | | AR\AJ | Ok,M |
| 35 | Q3597-10 | TP-4 | PD091114.D | 12 Nov 2025 16:34 | | AR\AJ | Ok,M |
| 36 | Q3598-01 | EO-CONCRETE | PD091115.D | 12 Nov 2025 16:47 | | AR\AJ | Ok,M |
| 37 | Q3600-01 | CENTRAL-ROW-CONC | PD091116.D | 12 Nov 2025 17:01 | | AR\AJ | Ok |

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**Instrument ID:** ECD_D

## Daily Analysis Runlog For Sequence/QCBatch ID # PD111225

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/12/2025 9:01:58 AM | | |
| Supervise By | yogesh | Supervise On | 11/13/2025 1:18:12 PM | | |
| SubDirectory | PD111225 | HP Acquire Method | | HP Processing Method | PD101725 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24942,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 | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 38 | I.BLK | I.BLK | PD091117.D | 12 Nov 2025 17:15 | | AR\AJ | Ok |
| 39 | PSTDCCC050 | PSTDCCC050 | PD091118.D | 12 Nov 2025 17:28 | | AR\AJ | Ok |
| 40 | Q3601-01 | TP-1 | PD091119.D | 12 Nov 2025 18:09 | | AR\AJ | Ok,M |
| 41 | Q3601-05 | TP-2 | PD091120.D | 12 Nov 2025 18:23 | | AR\AJ | Ok,M |
| 42 | Q3601-09 | TP-3 | PD091121.D | 12 Nov 2025 18:37 | | AR\AJ | Ok,M |
| 43 | Q3601-13 | TP-4 | PD091122.D | 12 Nov 2025 18:50 | | AR\AJ | Ok,M |
| 44 | Q3601-17 | TP-5 | PD091123.D | 12 Nov 2025 19:04 | | AR\AJ | Ok,M |
| 45 | Q3584-07 | SEEP-1 | PD091124.D | 12 Nov 2025 19:18 | | AR\AJ | Ok,M |
| 46 | Q3599-01 | LIVINGSTON-SOIL | PD091125.D | 12 Nov 2025 19:31 | | AR\AJ | Ok,M |
| 47 | Q3590-01 | MOO-25-0314-0316-C( | PD091126.D | 12 Nov 2025 19:45 | | AR\AJ | Ok |
| 48 | Q3590-03 | MOO-25-0317-0318-C( | PD091127.D | 12 Nov 2025 19:59 | | AR\AJ | Ok,M |
| 49 | Q3590-05 | MOO-25-0319 | PD091128.D | 12 Nov 2025 20:12 | | AR\AJ | Ok,M |
| 50 | I.BLK | I.BLK | PD091129.D | 12 Nov 2025 20:53 | | AR\AJ | Ok |
| 51 | PSTDCCC050 | PSTDCCC050 | PD091130.D | 12 Nov 2025 21:07 | | AR\AJ | Ok |
| 52 | PB170498BL | PB170498BL | PD091131.D | 12 Nov 2025 21:48 | | AR\AJ | Ok |
| 53 | PB170498BS | PB170498BS | PD091132.D | 12 Nov 2025 22:02 | | AR\AJ | Ok |
| 54 | PB170493TB | PB170493TB | PD091133.D | 12 Nov 2025 22:15 | | AR\AJ | Ok |
| 55 | Q3604-01 | S-1 | PD091134.D | 12 Nov 2025 22:29 | | AR\AJ | Ok,M |
| 56 | Q3604-01MS | S-1MS | PD091135.D | 12 Nov 2025 22:43 | | AR\AJ | Ok |

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**Instrument ID:** ECD_D

## Daily Analysis Runlog For Sequence/QCBatch ID # PD111225

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/12/2025 9:01:58 AM | | |
| Supervise By | yogesh | Supervise On | 11/13/2025 1:18:12 PM | | |
| SubDirectory | PD111225 | HP Acquire Method | | HP Processing Method | PD101725 8081 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | PP24942,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 | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 57 | Q3604-01MSD | S-1MSD | PD091136.D | 12 Nov 2025 22:56 | | AR\AJ | Ok |
| 58 | Q3604-02 | S-2 | PD091137.D | 12 Nov 2025 23:10 | | AR\AJ | Ok,M |
| 59 | I.BLK | I.BLK | PD091138.D | 12 Nov 2025 23:24 | | AR\AJ | Ok |
| 60 | PSTDCCC050 | PSTDCCC050 | PD091139.D | 12 Nov 2025 23:37 | | AR\AJ | Ok |

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**EXTRACTION LOGPAGE**

PB170476

| | | | | | |
|---|---|---|---|---|---|
| **SOP ID:** | M3541-ASE Extraction-15 | | | | |
| **Clean Up SOP #:** | Florisil | | | **Extraction Start Date :** | 11/11/2025 |
| **Matrix :** | Solid | | | **Extraction Start Time :** | 08:21 |
| **Weigh By:** | EH | **Extraction By:** | RJ | **Extraction End Date :** | 11/11/2025 |
| **Balance check:** | EH | **Filter By:** | RJ | **Extraction End Time :** | 11:35 |
| **Balance ID:** | EX-SC-2 | **pH Meter ID:** | N/A | **Concentration By:** | EH |
| **pH Strip Lot#:** | N/A | **Hood ID:** | 3,7 | **Supervisor By :** | RUPESH |

**Extraction Method:** ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

| Standared Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---|---|---|---|
| Spike Sol 1 | 1.0ML | 500 PPB | PP24766 |
| 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 | EP2660 |
| Baked Na2SO4 | N/A | EP2655 |
| Sand | N/A | E3951 |
| Hexane | N/A | E3981 |
| Florisil | N/A | E3976 |
| 9:1 Hexane:Acetone Mixture | N/A | EP2644 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| 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.Q3590-01,03,05 used limited volume as samples are Oily Debris + Small particles

| | | | |
|---|---|---|---|
| **KD Bath ID:** | N/A | **Envap ID:** | N-EVAP-02 |
| **KD Bath Temperature:** | N/A | **Envap Temperature:** | 40 °C |

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 11/11/25 | RS (Ext-lab) | T-P Pest/PCB. |
| 11:40 | **Preparation Group** | **Analysis Group** |

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**EXTRACTION LOGPAGE**

**PrepBatch ID : PB170476**

**Analytical Method:** M3541-ASE Extraction-15

**Concentration Date:** 11/11/2025

| Sample ID | Client Sample ID | Test | g/mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB170476BL | PBLK476 | Pesticide-TCL | 30.01 | N/A | ritesh | Evelyn | 10 | | | U1-1 |
| PB170476BS | PLCS476 | Pesticide-TCL | 30.02 | N/A | ritesh | Evelyn | 10 | | | 2 |
| Q3581-01 | VNJ-238 | Pesticide-TCL | 30.06 | N/A | ritesh | Evelyn | 10 | F | | 3 |
| Q3581-03 | VNJ-245 | Pesticide-TCL | 30.09 | N/A | ritesh | Evelyn | 10 | F | | 4 |
| Q3581-05 | VNJ-240 | Pesticide-TCL | 30.08 | N/A | ritesh | Evelyn | 10 | F | | 5 |
| Q3581-07 | RBR200059 | Pesticide-TCL | 30.04 | N/A | ritesh | Evelyn | 10 | F | | 6 |
| Q3582-04 | RT4912 | Pesticide-TCL | 30.05 | N/A | ritesh | Evelyn | 10 | F | | U2-1 |
| Q3583-04 | CHRT27080 | Pesticide-TCL | 30.02 | N/A | ritesh | Evelyn | 10 | E | Sludge | 2 |
| Q3586-01 | SED-1 | Pesticide-TCL | 30.03 | N/A | ritesh | Evelyn | 10 | H | | 3 |
| Q3586-02 | SED-2 | Pesticide-TCL | 30.05 | N/A | ritesh | Evelyn | 10 | H | | 4 |
| Q3586-03 | SED-3 | Pesticide-TCL | 30.03 | N/A | ritesh | Evelyn | 10 | H | | 5 |
| Q3586-03MS | SED-3MS | Pesticide-TCL | 30.07 | N/A | ritesh | Evelyn | 10 | H | | 6 |
| Q3586-03MSD | SED-3MSD | Pesticide-TCL | 30.06 | N/A | ritesh | Evelyn | 10 | H | | U3-1 |
| Q3587-01 | NB-08-110725 | Pesticide-TCL | 30.04 | N/A | ritesh | Evelyn | 10 | E | | 2 |
| Q3588-01 | TR-06-11072025 | Pesticide-TCL | 30.02 | N/A | ritesh | Evelyn | 10 | E | | 3 |
| Q3588-03 | TR-01-11072025 | Pesticide-TCL | 30.03 | N/A | ritesh | Evelyn | 10 | E | | 4 |
| Q3590-01 | MOO-25-0314-0316-COMP | Pesticide-TCL | 5.02 | N/A | ritesh | Evelyn | 10 | F | Oily Debris + Soil | 5 |
| Q3590-03 | MOO-25-0317-0318-COMP | Pesticide-TCL | 5.06 | N/A | ritesh | Evelyn | 10 | E | Oily Debris + Small Particles | 6 |
| Q3590-05 | MOO-25-0319-COMP | Pesticide-TCL | 5.03 | N/A | ritesh | Evelyn | 10 | E | Oily Debris | U4-1 |
| Q3593-04 | A-LAW-25-0167-0175-COMP | Pesticide-TCL | 30.05 | N/A | ritesh | Evelyn | 10 | E | | 2 |
| Q3593-06 | B-LAW-25-0167-0175-COMP | Pesticide-TCL | 30.07 | N/A | ritesh | Evelyn | 10 | E | | 3 |
| Q3593-08 | C-LAW-25-0167-0175-COMP | Pesticide-TCL | 30.04 | N/A | ritesh | Evelyn | 10 | E | | 4 |
| Q3593-10 | D-LAW-25-0156-0166-COMP | Pesticide-TCL | 30.02 | N/A | ritesh | Evelyn | 10 | E | | 5 |
| Q3599-01 | LIVINGSTON-SOIL | Pesticide-TCL | 30.06 | N/A | ritesh | Evelyn | 10 | E | Concrete | 6 |

RS 11/11

* **Extracts relinquished on the same date as received.**

Q3586 Q3581P 8:21

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** Q3581P **WorkList ID :** 193029 **Department :** Extraction **Date :** 11-11-2025 08:15:20

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q3581-01 | VNJ-238 | Solid | Pesticide-TCL | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8081B |
| Q3581-03 | VNJ-245 | Solid | Pesticide-TCL | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8081B |
| Q3581-05 | VNJ-240 | Solid | Pesticide-TCL | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8081B |
| Q3581-07 | RBR200059 | Solid | Pesticide-TCL | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8081B |
| Q3582-04 | RT4912 | Solid | Pesticide-TCL | Cool 4 deg C | PSEG03 | D31 | 11/07/2025 | 8081B |
| Q3583-04 | CHRT27080 | Solid | Pesticide-TCL | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8081B |
| Q3586-01 | SED-1 | Solid | Pesticide-TCL | Cool 4 deg C | REMI02 | D31 | 11/06/2025 | 8081B |
| Q3586-02 | SED-2 | Solid | Pesticide-TCL | Cool 4 deg C | REMI02 | D31 | 11/06/2025 | 8081B |
| Q3586-03 | SED-3 | Solid | Pesticide-TCL | Cool 4 deg C | REMI02 | D31 | 11/06/2025 | 8081B |
| Q3587-01 | NB-08-110725 | Solid | Pesticide-TCL | Cool 4 deg C | PSEG05 | D41 | 11/07/2025 | 8081B |
| Q3588-01 | TR-06-11072025 | Solid | Pesticide-TCL | Cool 4 deg C | PSEG05 | D41 | 11/07/2025 | 8081B |
| Q3588-03 | TR-01-11072025 | Solid | Pesticide-TCL | Cool 4 deg C | PSEG05 | D41 | 11/07/2025 | 8081B |
| Q3590-01 | MOO-25-0314-0316-COMP | Solid | Pesticide-TCL | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8081B |
| Q3590-03 | MOO-25-0317-0318-COMP | Solid | Pesticide-TCL | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8081B |
| Q3590-05 | MOO-25-0319-COMP | Solid | Pesticide-TCL | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8081B |
| Q3593-04 | A-LAW-25-0167-0175-COMP | Solid | Pesticide-TCL | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8081B |
| Q3593-06 | B-LAW-25-0167-0175-COMP | Solid | Pesticide-TCL | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8081B |
| Q3593-08 | C-LAW-25-0167-0175-COMP | Solid | Pesticide-TCL | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8081B |
| Q3593-10 | D-LAW-25-0156-0166-COMP | Solid | Pesticide-TCL | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8081B |
| Q3599-01 | LIVINGSTON-SOIL | Solid | Pesticide-TCL | Cool 4 deg C | PSEG03 | D41 | 11/10/2025 | 8081B |

**Date/Time** 11/11/25 8:15
**Raw Sample Received by:** RJ (Ext Lab)
**Raw Sample Relinquished by:** SM



**Date/Time** 11/11/25 8:52
**Raw Sample Received by:** SM
**Raw Sample Relinquished by:** RJ (Ext Lab)

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

# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q3586 | **OrderDate:** | 11/7/2025 3:20:00 PM |
| **Client:** | Remington & Vernick Engineers | **Project:** | Edison Landfill |
| **Contact:** | Kyle Carlson | **Location:** | D31 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q3586-01** | **SED-1** | **SOIL** | | | **11/06/25** | | | **11/07/25** |
| | | | PCB | 8082A | | 11/11/25 | 11/11/25 | |
| | | | Pesticide-TCL | 8081B | | 11/11/25 | 11/11/25 | |
| **Q3586-02** | **SED-2** | **SOIL** | | | **11/06/25** | | | **11/07/25** |
| | | | PCB | 8082A | | 11/11/25 | 11/11/25 | |
| | | | Pesticide-TCL | 8081B | | 11/11/25 | 11/11/25 | |
| **Q3586-03** | **SED-3** | **SOIL** | | | **11/06/25** | | | **11/07/25** |
| | | | PCB | 8082A | | 11/11/25 | 11/11/25 | |
| | | | Pesticide-TCL | 8081B | | 11/11/25 | 11/11/25 | |

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Fax : 908 789 8922



# Hit Summary Sheet
## SW-846

**SDG No.:** Q3586 **Order ID:** Q3586

**Client:** Remington & Vernick Engineers **Project ID:** Edison Landfill

| 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: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-1 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-01 | Matrix: | SOIL |
| Analytical Method: | 8082A | % Solid: | 62.9 |
| Sample Wt/Vol: | 30.03 g | Final Vol: 10000 uL | Test: PCB |
| Prep Method: | SW3541B | Prep Date: 11/11/25 | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 6.30 | U | 1 | 6.30 | 27.0 | ug/kg | 11/11/25 12:27 | PB170475 |
| 11104-28-2 | Aroclor-1221 | 6.40 | U | 1 | 6.40 | 27.0 | ug/kg | 11/11/25 12:27 | PB170475 |
| 11141-16-5 | Aroclor-1232 | 5.90 | U | 1 | 5.90 | 27.0 | ug/kg | 11/11/25 12:27 | PB170475 |
| 53469-21-9 | Aroclor-1242 | 6.40 | U | 1 | 6.40 | 27.0 | ug/kg | 11/11/25 12:27 | PB170475 |
| 12672-29-6 | Aroclor-1248 | 9.40 | U | 1 | 9.40 | 27.0 | ug/kg | 11/11/25 12:27 | PB170475 |
| 11097-69-1 | Aroclor-1254 | 5.10 | U | 1 | 5.10 | 27.0 | ug/kg | 11/11/25 12:27 | PB170475 |
| 37324-23-5 | Aroclor-1262 | 8.00 | U | 1 | 8.00 | 27.0 | ug/kg | 11/11/25 12:27 | PB170475 |
| 11100-14-4 | Aroclor-1268 | 5.70 | U | 1 | 5.70 | 27.0 | ug/kg | 11/11/25 12:27 | PB170475 |
| 11096-82-5 | Aroclor-1260 | 5.10 | U | 1 | 5.10 | 27.0 | ug/kg | 11/11/25 12:27 | PB170475 |
| **SURROGATES** | | | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 19.3 | | | 30 (21) - 150 (165) | 96% | SPK: 20 | | |
| 2051-24-3 | Decachlorobiphenyl | 18.9 | | | 30 (10) - 150 (170) | 95% | SPK: 20 | | |

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: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-2 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-02 | Matrix: | SOIL |
| Analytical Method: | 8082A | % Solid: | 41.4 |
| Sample Wt/Vol: | 30.05 g | Final Vol: 10000 uL | Test: PCB |
| Prep Method: | SW3541B | Prep Date: 11/11/25 | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 9.50 | U | 1 | 9.50 | 41.0 | ug/kg | 11/11/25 13:22 | PB170475 |
| 11104-28-2 | Aroclor-1221 | 9.70 | U | 1 | 9.70 | 41.0 | ug/kg | 11/11/25 13:22 | PB170475 |
| 11141-16-5 | Aroclor-1232 | 9.00 | U | 1 | 9.00 | 41.0 | ug/kg | 11/11/25 13:22 | PB170475 |
| 53469-21-9 | Aroclor-1242 | 9.70 | U | 1 | 9.70 | 41.0 | ug/kg | 11/11/25 13:22 | PB170475 |
| 12672-29-6 | Aroclor-1248 | 14.3 | U | 1 | 14.3 | 41.0 | ug/kg | 11/11/25 13:22 | PB170475 |
| 11097-69-1 | Aroclor-1254 | 7.70 | U | 1 | 7.70 | 41.0 | ug/kg | 11/11/25 13:22 | PB170475 |
| 37324-23-5 | Aroclor-1262 | 12.1 | U | 1 | 12.1 | 41.0 | ug/kg | 11/11/25 13:22 | PB170475 |
| 11100-14-4 | Aroclor-1268 | 8.70 | U | 1 | 8.70 | 41.0 | ug/kg | 11/11/25 13:22 | PB170475 |
| 11096-82-5 | Aroclor-1260 | 7.80 | U | 1 | 7.80 | 41.0 | ug/kg | 11/11/25 13:22 | PB170475 |
| **SURROGATES** | | | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 12.7 | | | 30 (21) - 150 (165) | 64% | SPK: 20 | | |
| 2051-24-3 | Decachlorobiphenyl | 7.06 | | | 30 (10) - 150 (170) | 35% | SPK: 20 | | |

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: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-3 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03 | Matrix: | SOIL |
| Analytical Method: | 8082A | % Solid: | 50.9 |
| Sample Wt/Vol: | 30.03 g | Final Vol: 10000 uL | Test: PCB |
| Prep Method: | SW3541B | Prep Date: 11/11/25 | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 7.80 | U | 1 | 7.80 | 33.4 | ug/kg | 11/11/25 13:40 | PB170475 |
| 11104-28-2 | Aroclor-1221 | 7.90 | U | 1 | 7.90 | 33.4 | ug/kg | 11/11/25 13:40 | PB170475 |
| 11141-16-5 | Aroclor-1232 | 7.30 | U | 1 | 7.30 | 33.4 | ug/kg | 11/11/25 13:40 | PB170475 |
| 53469-21-9 | Aroclor-1242 | 7.90 | U | 1 | 7.90 | 33.4 | ug/kg | 11/11/25 13:40 | PB170475 |
| 12672-29-6 | Aroclor-1248 | 11.6 | U | 1 | 11.6 | 33.4 | ug/kg | 11/11/25 13:40 | PB170475 |
| 11097-69-1 | Aroclor-1254 | 6.30 | U | 1 | 6.30 | 33.4 | ug/kg | 11/11/25 13:40 | PB170475 |
| 37324-23-5 | Aroclor-1262 | 9.90 | U | 1 | 9.90 | 33.4 | ug/kg | 11/11/25 13:40 | PB170475 |
| 11100-14-4 | Aroclor-1268 | 7.10 | U | 1 | 7.10 | 33.4 | ug/kg | 11/11/25 13:40 | PB170475 |
| 11096-82-5 | Aroclor-1260 | 6.30 | U | 1 | 6.30 | 33.4 | ug/kg | 11/11/25 13:40 | PB170475 |
| **SURROGATES** | | | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 18.6 | | | 30 (21) - 150 (165) | 93% | SPK: 20 | | |
| 2051-24-3 | Decachlorobiphenyl | 17.2 | | | 30 (10) - 150 (170) | 86% | SPK: 20 | | |

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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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.:** Q3586

**Client:** Remington & Vernick Engineers

**Analytical Method:** 8082A

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Recovery(%) | Qual | Limits(%) Low | Limits(%) High |
|---|---|---|---|---|---|---|---|---|---|
| I.BLK-PO114870.D | PIBLK-PO114870.D | Tetrachloro-m-xyl | 1 | 20 | 15.5 | 77 | | 70 (60) | 130 (140) |
| | | Decachlorobiphen | 1 | 20 | 16.8 | 84 | | 70 (60) | 130 (140) |
| | | Tetrachloro-m-xyl | 2 | 20 | 16.2 | 81 | | 70 (60) | 130 (140) |
| | | Decachlorobiphen | 2 | 20 | 17.3 | 86 | | 70 (60) | 130 (140) |
| I.BLK-PO114999.D | PIBLK-PO114999.D | Tetrachloro-m-xyl | 1 | 20 | 19.8 | 99 | | 70 (60) | 130 (140) |
| | | Decachlorobiphen | 1 | 20 | 19.7 | 99 | | 70 (60) | 130 (140) |
| | | Tetrachloro-m-xyl | 2 | 20 | 20.3 | 101 | | 70 (60) | 130 (140) |
| | | Decachlorobiphen | 2 | 20 | 21.6 | 108 | | 70 (60) | 130 (140) |
| PB170475BL | PB170475BL | Tetrachloro-m-xyl | 1 | 20 | 20.6 | 103 | | 30 (21) | 150 (165) |
| | | Decachlorobiphen | 1 | 20 | 21.0 | 105 | | 30 (10) | 150 (170) |
| | | Tetrachloro-m-xyl | 2 | 20 | 19.6 | 98 | | 30 (21) | 150 (165) |
| | | Decachlorobiphen | 2 | 20 | 22.9 | 114 | | 30 (10) | 150 (170) |
| PB170475BS | PB170475BS | Tetrachloro-m-xyl | 1 | 20 | 22.0 | 110 | | 30 (21) | 150 (165) |
| | | Decachlorobiphen | 1 | 20 | 21.8 | 109 | | 30 (10) | 150 (170) |
| | | Tetrachloro-m-xyl | 2 | 20 | 20.5 | 102 | | 30 (21) | 150 (165) |
| | | Decachlorobiphen | 2 | 20 | 23.3 | 117 | | 30 (10) | 150 (170) |
| Q3586-01 | SED-1 | Tetrachloro-m-xyl | 1 | 20 | 19.0 | 95 | | 30 (21) | 150 (165) |
| | | Decachlorobiphen | 1 | 20 | 17.3 | 86 | | 30 (10) | 150 (170) |
| | | Tetrachloro-m-xyl | 2 | 20 | 19.3 | 96 | | 30 (21) | 150 (165) |
| | | Decachlorobiphen | 2 | 20 | 18.9 | 95 | | 30 (10) | 150 (170) |
| Q3586-01MS | SED-1MS | Tetrachloro-m-xyl | 1 | 20 | 17.6 | 88 | | 30 (21) | 150 (165) |
| | | Decachlorobiphen | 1 | 20 | 12.0 | 60 | | 30 (10) | 150 (170) |
| | | Tetrachloro-m-xyl | 2 | 20 | 16.5 | 82 | | 30 (21) | 150 (165) |
| | | Decachlorobiphen | 2 | 20 | 13.0 | 65 | | 30 (10) | 150 (170) |
| Q3586-01MSD | SED-1MSD | Tetrachloro-m-xyl | 1 | 20 | 18.6 | 93 | | 30 (21) | 150 (165) |
| | | Decachlorobiphen | 1 | 20 | 12.8 | 64 | | 30 (10) | 150 (170) |
| | | Tetrachloro-m-xyl | 2 | 20 | 18.0 | 90 | | 30 (21) | 150 (165) |
| | | Decachlorobiphen | 2 | 20 | 14.5 | 72 | | 30 (10) | 150 (170) |
| Q3586-02 | SED-2 | Tetrachloro-m-xyl | 1 | 20 | 12.7 | 64 | | 30 (21) | 150 (165) |
| | | Decachlorobiphen | 1 | 20 | 5.92 | 30 | | 30 (10) | 150 (170) |
| | | Tetrachloro-m-xyl | 2 | 20 | 12.7 | 63 | | 30 (21) | 150 (165) |
| | | Decachlorobiphen | 2 | 20 | 7.06 | 35 | | 30 (10) | 150 (170) |
| Q3586-03 | SED-3 | Tetrachloro-m-xyl | 1 | 20 | 18.1 | 90 | | 30 (21) | 150 (165) |
| | | Decachlorobiphen | 1 | 20 | 15.8 | 79 | | 30 (10) | 150 (170) |
| | | Tetrachloro-m-xyl | 2 | 20 | 18.6 | 93 | | 30 (21) | 150 (165) |
| | | Decachlorobiphen | 2 | 20 | 17.2 | 86 | | 30 (10) | 150 (170) |
| I.BLK-PO115014.D | PIBLK-PO115014.D | Tetrachloro-m-xyl | 1 | 20 | 19.8 | 99 | | 70 (60) | 130 (140) |
| | | Decachlorobiphen | 1 | 20 | 19.8 | 99 | | 70 (60) | 130 (140) |
| | | Tetrachloro-m-xyl | 2 | 20 | 19.9 | 100 | | 70 (60) | 130 (140) |
| | | Decachlorobiphen | 2 | 20 | 21.7 | 108 | | 70 (60) | 130 (140) |

( ) = LABORATORY INHOUSE LIMIT

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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q3586 **Analytical Method:** 8082A

**Client:** Remington & Vernick Engineers **DataFile :** PO115003.D

| | Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID:** | **Q3586-01MS (Column 1)** | **Client Sample ID:** | | **SED-1MS** | | | | | | | | |
| | AR1016 | 264.4 | 0 | 205 | ug/kg | 78 | | | | 40 (39) | 140 (159) | |
| | AR1260 | 264.4 | 0 | 173 | ug/kg | 65 | | | | 40 (19) | 140 (160) | |
| **Lab Sample ID:** | **Q3586-01MS (Column 2)** | **Client Sample ID:** | | **SED-1MS** | | | | | | | | |
| | AR1016 | 264.4 | 0 | 200 | ug/kg | 76 | | | | 40 (39) | 140 (159) | |
| | AR1260 | 264.4 | 0 | 173 | ug/kg | 65 | | | | 40 (19) | 140 (160) | |

( ) = LABORATORY INHOUSE LIMIT

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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q3586 **Analytical Method:** 8082A

**Client:** Remington & Vernick Engineers **DataFile :** PO115004.D

| | Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID:** | **Q3586-01MSD (Column 1)** | **Client Sample ID:** | | **SED-1MSD** | | | | | | | | |
| | AR1016 | 264.2 | 0 | 219 | ug/kg | 83 | | 6 | | 40 (39) | 140 (159) | 30 (21) |
| | AR1260 | 264.2 | 0 | 186 | ug/kg | 70 | | 7 | | 40 (19) | 140 (160) | 30 (15) |
| **Lab Sample ID:** | **Q3586-01MSD (Column 2)** | **Client Sample ID:** | | **SED-1MSD** | | | | | | | | |
| | AR1016 | 264.2 | 0 | 217 | ug/kg | 82 | | 8 | | 40 (39) | 140 (159) | 30 (21) |
| | AR1260 | 264.2 | 0 | 187 | ug/kg | 71 | | 9 | | 40 (19) | 140 (160) | 30 (15) |

( ) = LABORATORY INHOUSE LIMIT

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q3586 **Analytical Method:** 8082A

**Client:** Remington & Vernick Engineers **Datafile :** PO115001.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB170475BS (Column 1) | AR1016 | 166.5 | 148 | ug/kg | 89 | | | | 40 (71) | 140 (120) | |
| | AR1260 | 166.5 | 140 | ug/kg | 84 | | | | 40 (65) | 140 (130) | |
| PB170475BS (Column 2) | AR1016 | 166.5 | 144 | ug/kg | 86 | | | | 40 (71) | 140 (120) | |
| | AR1260 | 166.5 | 139 | ug/kg | 83 | | | | 40 (65) | 140 (130) | |

( ) = LABORATORY INHOUSE LIMIT

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Fax : 908 789 8922



4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB170475BL

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG NO.: Q3586

Lab Sample ID: PB170475BL | Lab File ID: PO115000.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 11/11/2025

Date Analyzed (1): 11/11/2025 | Date Analyzed (2): 11/11/2025

Time Analyzed (1): 11:50 | Time Analyzed (2): 11:50

Instrument ID (1): ECD_O | Instrument ID (2): ECD_O

GC Column (1): ZB-MR1 ID: 0.32 (mm) | GC Column (2): ZB-MR2 ID: 0.32 (mm)

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED 1 | DATE ANALYZED 2 |
|---|---|---|---|---|
| PB170475BS | PB170475BS | PO115001.D | 11/11/2025 | 11/11/2025 |
| SED-1 | Q3586-01 | PO115002.D | 11/11/2025 | 11/11/2025 |
| SED-1MS | Q3586-01MS | PO115003.D | 11/11/2025 | 11/11/2025 |
| SED-1MSD | Q3586-01MSD | PO115004.D | 11/11/2025 | 11/11/2025 |
| SED-2 | Q3586-02 | PO115005.D | 11/11/2025 | 11/11/2025 |
| SED-3 | Q3586-03 | PO115006.D | 11/11/2025 | 11/11/2025 |

COMMENTS:

# QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | |
| Project: | Edison Landfill | Date Received: | |
| Client Sample ID: | PB170475BL | SDG No.: | Q3586 |
| Lab Sample ID: | PB170475BL | Matrix: | SOIL |
| Analytical Method: | 8082A | % Solid: | 100 |
| Sample Wt/Vol: | 30.01 g | Final Vol: 10000 uL | Test: PCB |
| Prep Method: | SW3541B | Prep Date: 11/11/25 | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 3.90 | U | 1 | 3.90 | 17.0 | ug/kg | 11/11/25 11:50 | PB170475 |
| 11104-28-2 | Aroclor-1221 | 4.00 | U | 1 | 4.00 | 17.0 | ug/kg | 11/11/25 11:50 | PB170475 |
| 11141-16-5 | Aroclor-1232 | 3.70 | U | 1 | 3.70 | 17.0 | ug/kg | 11/11/25 11:50 | PB170475 |
| 53469-21-9 | Aroclor-1242 | 4.00 | U | 1 | 4.00 | 17.0 | ug/kg | 11/11/25 11:50 | PB170475 |
| 12672-29-6 | Aroclor-1248 | 5.90 | U | 1 | 5.90 | 17.0 | ug/kg | 11/11/25 11:50 | PB170475 |
| 11097-69-1 | Aroclor-1254 | 3.20 | U | 1 | 3.20 | 17.0 | ug/kg | 11/11/25 11:50 | PB170475 |
| 37324-23-5 | Aroclor-1262 | 5.00 | U | 1 | 5.00 | 17.0 | ug/kg | 11/11/25 11:50 | PB170475 |
| 11100-14-4 | Aroclor-1268 | 3.60 | U | 1 | 3.60 | 17.0 | ug/kg | 11/11/25 11:50 | PB170475 |
| 11096-82-5 | Aroclor-1260 | 3.20 | U | 1 | 3.20 | 17.0 | ug/kg | 11/11/25 11:50 | PB170475 |
| **SURROGATES** | | | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.6 | | | 30 (21) - 150 (165) | 103% | SPK: 20 | | |
| 2051-24-3 | Decachlorobiphenyl | 22.9 | | | 30 (10) - 150 (170) | 114% | SPK: 20 | | |

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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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/04/25 |
| Project: | Edison Landfill | Date Received: | 11/04/25 |
| Client Sample ID: | PIBLK-PO114870.D | SDG No.: | Q3586 |
| Lab Sample ID: | I.BLK-PO114870.D | Matrix: | WATER |
| Analytical Method: | 8082A | % Solid: | 0 |
| Sample Wt/Vol: | 1000 mL Final Vol: 10000 uL | Test: | PCB |
| Prep Method: | 5030 Prep Date: | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.097 | U | 1 | 0.097 | 0.50 | ug/L | 11/04/25 | po110425 |
| 11104-28-2 | Aroclor-1221 | 0.13 | U | 1 | 0.13 | 0.50 | ug/L | 11/04/25 | po110425 |
| 11141-16-5 | Aroclor-1232 | 0.096 | U | 1 | 0.096 | 0.50 | ug/L | 11/04/25 | po110425 |
| 53469-21-9 | Aroclor-1242 | 0.12 | U | 1 | 0.12 | 0.50 | ug/L | 11/04/25 | po110425 |
| 12672-29-6 | Aroclor-1248 | 0.071 | U | 1 | 0.071 | 0.50 | ug/L | 11/04/25 | po110425 |
| 11097-69-1 | Aroclor-1254 | 0.094 | U | 1 | 0.094 | 0.50 | ug/L | 11/04/25 | po110425 |
| 11096-82-5 | Aroclor-1260 | 0.081 | U | 1 | 0.081 | 0.50 | ug/L | 11/04/25 | po110425 |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 1 | 0.14 | 0.50 | ug/L | 11/04/25 | po110425 |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 1 | 0.11 | 0.50 | ug/L | 11/04/25 | po110425 |
| **SURROGATES** | | | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 15.5 | | | 70 (60) - 130 (140) | 77% | SPK: 20 | | |
| 2051-24-3 | Decachlorobiphenyl | 16.8 | | | 70 (60) - 130 (140) | 84% | SPK: 20 | | |

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: | Remington & Vernick Engineers | Date Collected: | 11/11/25 |
| Project: | Edison Landfill | Date Received: | 11/11/25 |
| Client Sample ID: | PIBLK-PO114999.D | SDG No.: | Q3586 |
| Lab Sample ID: | I.BLK-PO114999.D | Matrix: | WATER |
| Analytical Method: | 8082A | % Solid: | 0 |
| Sample Wt/Vol: | 1000 mL Final Vol: 10000 uL | Test: | PCB |
| Prep Method: | 5030 Prep Date: | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.097 | U | 1 | 0.097 | 0.50 | ug/L | 11/11/25 | po111125 |
| 11104-28-2 | Aroclor-1221 | 0.13 | U | 1 | 0.13 | 0.50 | ug/L | 11/11/25 | po111125 |
| 11141-16-5 | Aroclor-1232 | 0.096 | U | 1 | 0.096 | 0.50 | ug/L | 11/11/25 | po111125 |
| 53469-21-9 | Aroclor-1242 | 0.12 | U | 1 | 0.12 | 0.50 | ug/L | 11/11/25 | po111125 |
| 12672-29-6 | Aroclor-1248 | 0.071 | U | 1 | 0.071 | 0.50 | ug/L | 11/11/25 | po111125 |
| 11097-69-1 | Aroclor-1254 | 0.094 | U | 1 | 0.094 | 0.50 | ug/L | 11/11/25 | po111125 |
| 11096-82-5 | Aroclor-1260 | 0.081 | U | 1 | 0.081 | 0.50 | ug/L | 11/11/25 | po111125 |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 1 | 0.14 | 0.50 | ug/L | 11/11/25 | po111125 |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 1 | 0.11 | 0.50 | ug/L | 11/11/25 | po111125 |
| **SURROGATES** | | | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 19.8 | | | 70 (60) - 130 (140) | 99% | SPK: 20 | | |
| 2051-24-3 | Decachlorobiphenyl | 19.7 | | | 70 (60) - 130 (140) | 99% | SPK: 20 | | |

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P = Indicates >25% difference for detected concentrations between the two GC columns
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M = MS/MSD acceptance criteria did not meet requirements

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

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/11/25 |
| Project: | Edison Landfill | Date Received: | 11/11/25 |
| Client Sample ID: | PIBLK-PO115014.D | SDG No.: | Q3586 |
| Lab Sample ID: | I.BLK-PO115014.D | Matrix: | WATER |
| Analytical Method: | 8082A | % Solid: | 0 |
| Sample Wt/Vol: | 1000 mL Final Vol: 10000 uL | Test: | PCB |
| Prep Method: | 5030 Prep Date: | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.097 | U | 1 | 0.097 | 0.50 | ug/L | 11/11/25 | po111125 |
| 11104-28-2 | Aroclor-1221 | 0.13 | U | 1 | 0.13 | 0.50 | ug/L | 11/11/25 | po111125 |
| 11141-16-5 | Aroclor-1232 | 0.096 | U | 1 | 0.096 | 0.50 | ug/L | 11/11/25 | po111125 |
| 53469-21-9 | Aroclor-1242 | 0.12 | U | 1 | 0.12 | 0.50 | ug/L | 11/11/25 | po111125 |
| 12672-29-6 | Aroclor-1248 | 0.071 | U | 1 | 0.071 | 0.50 | ug/L | 11/11/25 | po111125 |
| 11097-69-1 | Aroclor-1254 | 0.094 | U | 1 | 0.094 | 0.50 | ug/L | 11/11/25 | po111125 |
| 11096-82-5 | Aroclor-1260 | 0.081 | U | 1 | 0.081 | 0.50 | ug/L | 11/11/25 | po111125 |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 1 | 0.14 | 0.50 | ug/L | 11/11/25 | po111125 |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 1 | 0.11 | 0.50 | ug/L | 11/11/25 | po111125 |
| **SURROGATES** | | | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 19.8 | | | 70 (60) - 130 (140) | 99% | SPK: 20 | | |
| 2051-24-3 | Decachlorobiphenyl | 19.8 | | | 70 (60) - 130 (140) | 99% | SPK: 20 | | |

U = Not Detected
LOQ = Limit of Quantitation
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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: | Remington & Vernick Engineers | Date Collected: | |
| Project: | Edison Landfill | Date Received: | |
| Client Sample ID: | PB170475BS | SDG No.: | Q3586 |
| Lab Sample ID: | PB170475BS | Matrix: | SOIL |
| Analytical Method: | 8082A | % Solid: | 100 |
| Sample Wt/Vol: | 30.03 g | Final Vol: 10000 uL | Test: PCB |
| Prep Method: | SW3541B | Prep Date: 11/11/25 | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 148 | | 1 | 3.90 | 17.0 | ug/kg | 11/11/25 12:09 | PB170475 |
| 11104-28-2 | Aroclor-1221 | 4.00 | U | 1 | 4.00 | 17.0 | ug/kg | 11/11/25 12:09 | PB170475 |
| 11141-16-5 | Aroclor-1232 | 3.70 | U | 1 | 3.70 | 17.0 | ug/kg | 11/11/25 12:09 | PB170475 |
| 53469-21-9 | Aroclor-1242 | 4.00 | U | 1 | 4.00 | 17.0 | ug/kg | 11/11/25 12:09 | PB170475 |
| 12672-29-6 | Aroclor-1248 | 5.90 | U | 1 | 5.90 | 17.0 | ug/kg | 11/11/25 12:09 | PB170475 |
| 11097-69-1 | Aroclor-1254 | 3.20 | U | 1 | 3.20 | 17.0 | ug/kg | 11/11/25 12:09 | PB170475 |
| 37324-23-5 | Aroclor-1262 | 5.00 | U | 1 | 5.00 | 17.0 | ug/kg | 11/11/25 12:09 | PB170475 |
| 11100-14-4 | Aroclor-1268 | 3.60 | U | 1 | 3.60 | 17.0 | ug/kg | 11/11/25 12:09 | PB170475 |
| 11096-82-5 | Aroclor-1260 | 140 | | 1 | 3.20 | 17.0 | ug/kg | 11/11/25 12:09 | PB170475 |
| **SURROGATES** | | | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 22.0 | | | 30 (21) - 150 (165) | 110% | SPK: 20 | | |
| 2051-24-3 | Decachlorobiphenyl | 23.3 | | | 30 (10) - 150 (170) | 117% | SPK: 20 | | |

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D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-1MS | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-01MS | Matrix: | SOIL |
| Analytical Method: | 8082A | % Solid: | 62.9 |
| Sample Wt/Vol: | 30.06 g | Final Vol: 10000 uL | Test: PCB |
| Prep Method: | SW3541B | Prep Date: 11/11/25 | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 205 | | 1 | 6.30 | 27.0 | ug/kg | 11/11/25 12:45 | PB170475 |
| 11104-28-2 | Aroclor-1221 | 6.40 | U | 1 | 6.40 | 27.0 | ug/kg | 11/11/25 12:45 | PB170475 |
| 11141-16-5 | Aroclor-1232 | 5.90 | U | 1 | 5.90 | 27.0 | ug/kg | 11/11/25 12:45 | PB170475 |
| 53469-21-9 | Aroclor-1242 | 6.40 | U | 1 | 6.40 | 27.0 | ug/kg | 11/11/25 12:45 | PB170475 |
| 12672-29-6 | Aroclor-1248 | 9.40 | U | 1 | 9.40 | 27.0 | ug/kg | 11/11/25 12:45 | PB170475 |
| 11097-69-1 | Aroclor-1254 | 5.10 | U | 1 | 5.10 | 27.0 | ug/kg | 11/11/25 12:45 | PB170475 |
| 37324-23-5 | Aroclor-1262 | 8.00 | U | 1 | 8.00 | 27.0 | ug/kg | 11/11/25 12:45 | PB170475 |
| 11100-14-4 | Aroclor-1268 | 5.70 | U | 1 | 5.70 | 27.0 | ug/kg | 11/11/25 12:45 | PB170475 |
| 11096-82-5 | Aroclor-1260 | 173 | | 1 | 5.10 | 27.0 | ug/kg | 11/11/25 12:45 | PB170475 |
| **SURROGATES** | | | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 17.6 | | | 30 (21) - 150 (165) | 88% | SPK: 20 | | |
| 2051-24-3 | Decachlorobiphenyl | 13.0 | | | 30 (10) - 150 (170) | 65% | SPK: 20 | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-1MSD | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-01MSD | Matrix: | SOIL |
| Analytical Method: | 8082A | % Solid: | 62.9 |
| Sample Wt/Vol: | 30.09 g | Final Vol: 10000 uL | Test: PCB |
| Prep Method: | SW3541B | Prep Date: 11/11/25 | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 219 | | 1 | 6.30 | 26.9 | ug/kg | 11/11/25 13:04 | PB170475 |
| 11104-28-2 | Aroclor-1221 | 6.40 | U | 1 | 6.40 | 26.9 | ug/kg | 11/11/25 13:04 | PB170475 |
| 11141-16-5 | Aroclor-1232 | 5.90 | U | 1 | 5.90 | 26.9 | ug/kg | 11/11/25 13:04 | PB170475 |
| 53469-21-9 | Aroclor-1242 | 6.40 | U | 1 | 6.40 | 26.9 | ug/kg | 11/11/25 13:04 | PB170475 |
| 12672-29-6 | Aroclor-1248 | 9.40 | U | 1 | 9.40 | 26.9 | ug/kg | 11/11/25 13:04 | PB170475 |
| 11097-69-1 | Aroclor-1254 | 5.10 | U | 1 | 5.10 | 26.9 | ug/kg | 11/11/25 13:04 | PB170475 |
| 37324-23-5 | Aroclor-1262 | 8.00 | U | 1 | 8.00 | 26.9 | ug/kg | 11/11/25 13:04 | PB170475 |
| 11100-14-4 | Aroclor-1268 | 5.70 | U | 1 | 5.70 | 26.9 | ug/kg | 11/11/25 13:04 | PB170475 |
| 11096-82-5 | Aroclor-1260 | 187 | | 1 | 5.10 | 26.9 | ug/kg | 11/11/25 13:04 | PB170475 |
| **SURROGATES** | | | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 18.6 | | | 30 (21) - 150 (165) | 93% | SPK: 20 | | |
| 2051-24-3 | Decachlorobiphenyl | 14.5 | | | 30 (10) - 150 (170) | 72% | SPK: 20 | | |

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() = Laboratory InHouse Limit

# CALIBRATION SUMMARY

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## RETENTION TIMES OF INITIAL CALIBRATION

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**Instrument ID:** ECD_O **Calibration Date(s):** 11/04/2025 11/04/2025

**Calibration Times:** 09:39 18:31

GC Column: ZB-MR1 ID: 0.32 (mm)

**LAB FILE ID:** RT 1000 = PO114871.D RT 750 = PO114872.D

RT 500 = PO114873.D RT 250 = PO114874.D RT 050 = PO114875.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.49 | 5.49 | 5.49 | 5.49 | 5.49 | 5.49 | 5.39 | 5.59 |
| Aroclor-1016-2 | (2) | 5.51 | 5.51 | 5.51 | 5.51 | 5.51 | 5.51 | 5.41 | 5.61 |
| Aroclor-1016-3 | (3) | 5.57 | 5.57 | 5.57 | 5.57 | 5.57 | 5.57 | 5.47 | 5.67 |
| Aroclor-1016-4 | (4) | 5.67 | 5.67 | 5.67 | 5.67 | 5.67 | 5.67 | 5.57 | 5.77 |
| Aroclor-1016-5 | (5) | 5.96 | 5.96 | 5.96 | 5.96 | 5.96 | 5.96 | 5.86 | 6.06 |
| Aroclor-1260-1 | (1) | 7.07 | 7.07 | 7.07 | 7.07 | 7.07 | 7.07 | 6.97 | 7.17 |
| Aroclor-1260-2 | (2) | 7.33 | 7.33 | 7.33 | 7.33 | 7.33 | 7.33 | 7.23 | 7.43 |
| Aroclor-1260-3 | (3) | 7.68 | 7.68 | 7.68 | 7.68 | 7.68 | 7.68 | 7.58 | 7.78 |
| Aroclor-1260-4 | (4) | 7.90 | 7.90 | 7.90 | 7.90 | 7.90 | 7.90 | 7.80 | 8.00 |
| Aroclor-1260-5 | (5) | 8.21 | 8.21 | 8.21 | 8.21 | 8.21 | 8.21 | 8.11 | 8.31 |
| Decachlorobiphenyl | | 9.93 | 9.93 | 9.93 | 9.93 | 9.93 | 9.93 | 9.83 | 10.03 |
| Tetrachloro-m-xylene | | 4.35 | 4.35 | 4.35 | 4.35 | 4.35 | 4.35 | 4.25 | 4.45 |
| Aroclor-1242-1 | (1) | 5.49 | 5.49 | 5.49 | 5.49 | 5.49 | 5.49 | 5.39 | 5.59 |
| Aroclor-1242-2 | (2) | 5.51 | 5.51 | 5.51 | 5.51 | 5.51 | 5.51 | 5.41 | 5.61 |
| Aroclor-1242-3 | (3) | 5.57 | 5.57 | 5.57 | 5.57 | 5.57 | 5.57 | 5.47 | 5.67 |
| Aroclor-1242-4 | (4) | 5.67 | 5.67 | 5.67 | 5.67 | 5.67 | 5.67 | 5.57 | 5.77 |
| Aroclor-1242-5 | (5) | 6.39 | 6.39 | 6.39 | 6.39 | 6.39 | 6.39 | 6.29 | 6.49 |
| Decachlorobiphenyl | | 9.93 | 9.93 | 9.93 | 9.93 | 9.93 | 9.93 | 9.83 | 10.03 |
| Tetrachloro-m-xylene | | 4.35 | 4.35 | 4.35 | 4.35 | 4.35 | 4.35 | 4.25 | 4.45 |
| Aroclor-1248-1 | (1) | 5.49 | 5.49 | 5.49 | 5.49 | 5.49 | 5.49 | 5.39 | 5.59 |
| Aroclor-1248-2 | (2) | 5.76 | 5.76 | 5.76 | 5.76 | 5.76 | 5.76 | 5.66 | 5.86 |
| Aroclor-1248-3 | (3) | 5.96 | 5.96 | 5.96 | 5.96 | 5.96 | 5.96 | 5.86 | 6.06 |
| Aroclor-1248-4 | (4) | 6.35 | 6.36 | 6.35 | 6.35 | 6.36 | 6.35 | 6.25 | 6.45 |
| Aroclor-1248-5 | (5) | 6.39 | 6.39 | 6.39 | 6.39 | 6.39 | 6.39 | 6.29 | 6.49 |
| Decachlorobiphenyl | | 9.93 | 9.93 | 9.93 | 9.93 | 9.93 | 9.93 | 9.83 | 10.03 |
| Tetrachloro-m-xylene | | 4.35 | 4.35 | 4.35 | 4.35 | 4.35 | 4.35 | 4.25 | 4.45 |
| Aroclor-1254-1 | (1) | 6.33 | 6.33 | 6.33 | 6.33 | 6.33 | 6.33 | 6.23 | 6.43 |
| Aroclor-1254-2 | (2) | 6.55 | 6.55 | 6.55 | 6.55 | 6.55 | 6.55 | 6.45 | 6.65 |
| Aroclor-1254-3 | (3) | 6.91 | 6.91 | 6.91 | 6.91 | 6.91 | 6.91 | 6.81 | 7.01 |
| Aroclor-1254-4 | (4) | 7.19 | 7.19 | 7.19 | 7.19 | 7.19 | 7.19 | 7.09 | 7.29 |
| Aroclor-1254-5 | (5) | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 7.50 | 7.70 |
| Decachlorobiphenyl | | 9.93 | 9.93 | 9.93 | 9.93 | 9.93 | 9.93 | 9.83 | 10.03 |
| Tetrachloro-m-xylene | | 4.35 | 4.35 | 4.35 | 4.35 | 4.35 | 4.35 | 4.25 | 4.45 |
| Aroclor-1268-1 | (1) | 8.51 | 8.51 | 8.51 | 8.51 | 8.51 | 8.51 | 8.41 | 8.61 |
| Aroclor-1268-2 | (2) | 8.60 | 8.60 | 8.60 | 8.60 | 8.60 | 8.60 | 8.50 | 8.70 |
| Aroclor-1268-3 | (3) | 8.82 | 8.82 | 8.82 | 8.82 | 8.82 | 8.82 | 8.72 | 8.92 |
| Aroclor-1268-4 | (4) | 9.22 | 9.22 | 9.22 | 9.22 | 9.21 | 9.22 | 9.12 | 9.32 |
| Aroclor-1268-5 | (5) | 9.61 | 9.61 | 9.61 | 9.61 | 9.61 | 9.61 | 9.51 | 9.71 |

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**RETENTION TIMES OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.93 | 9.93 | 9.93 | 9.93 | 9.93 | 9.93 | 9.83 | 10.03 |
| Tetrachloro-m-xylene | 4.35 | 4.35 | 4.35 | 4.35 | 4.35 | 4.35 | 4.25 | 4.45 |

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## RETENTION TIMES OF INITIAL CALIBRATION

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**Instrument ID:** ECD_O **Calibration Date(s):** 11/04/2025 11/04/2025

**Calibration Times:** 09:39 18:31

GC Column: ZB-MR2 ID: 0.32 (mm)

**LAB FILE ID:** RT 1000 = PO114871.D RT 750 = PO114872.D

RT 500 = PO114873.D RT 250 = PO114874.D RT 050 = PO114875.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.73 | 4.73 | 4.73 | 4.73 | 4.73 | 4.73 | 4.63 | 4.83 |
| Aroclor-1016-2 | (2) | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 | 4.65 | 4.85 |
| Aroclor-1016-3 | (3) | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.82 | 5.02 |
| Aroclor-1016-4 | (4) | 4.96 | 4.96 | 4.96 | 4.96 | 4.96 | 4.96 | 4.86 | 5.06 |
| Aroclor-1016-5 | (5) | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.08 | 5.28 |
| Aroclor-1260-1 | (1) | 6.21 | 6.21 | 6.21 | 6.21 | 6.21 | 6.21 | 6.11 | 6.31 |
| Aroclor-1260-2 | (2) | 6.39 | 6.39 | 6.39 | 6.39 | 6.39 | 6.39 | 6.29 | 6.49 |
| 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) | 7.26 | 7.26 | 7.26 | 7.26 | 7.26 | 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 | | 3.65 | 3.65 | 3.65 | 3.65 | 3.65 | 3.65 | 3.55 | 3.75 |
| Aroclor-1242-1 | (1) | 4.73 | 4.73 | 4.73 | 4.73 | 4.73 | 4.73 | 4.63 | 4.83 |
| Aroclor-1242-2 | (2) | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 | 4.65 | 4.85 |
| Aroclor-1242-3 | (3) | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.82 | 5.02 |
| Aroclor-1242-4 | (4) | 5.01 | 5.01 | 5.01 | 5.01 | 5.01 | 5.01 | 4.91 | 5.11 |
| Aroclor-1242-5 | (5) | 5.53 | 5.53 | 5.53 | 5.53 | 5.53 | 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 | | 3.65 | 3.65 | 3.65 | 3.65 | 3.65 | 3.65 | 3.55 | 3.75 |
| Aroclor-1248-1 | (1) | 4.73 | 4.73 | 4.73 | 4.73 | 4.73 | 4.73 | 4.63 | 4.83 |
| Aroclor-1248-2 | (2) | 4.96 | 4.97 | 4.96 | 4.96 | 4.96 | 4.96 | 4.86 | 5.06 |
| Aroclor-1248-3 | (3) | 5.01 | 5.01 | 5.01 | 5.01 | 5.01 | 5.01 | 4.91 | 5.11 |
| Aroclor-1248-4 | (4) | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.08 | 5.28 |
| Aroclor-1248-5 | (5) | 5.57 | 5.57 | 5.57 | 5.57 | 5.57 | 5.57 | 5.47 | 5.67 |
| Decachlorobiphenyl | | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.54 | 8.74 |
| Tetrachloro-m-xylene | | 3.65 | 3.65 | 3.65 | 3.65 | 3.65 | 3.65 | 3.55 | 3.75 |
| Aroclor-1254-1 | (1) | 5.53 | 5.53 | 5.53 | 5.53 | 5.53 | 5.53 | 5.43 | 5.63 |
| Aroclor-1254-2 | (2) | 5.68 | 5.68 | 5.67 | 5.67 | 5.67 | 5.67 | 5.57 | 5.77 |
| Aroclor-1254-3 | (3) | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 5.98 | 6.18 |
| Aroclor-1254-4 | (4) | 6.30 | 6.30 | 6.30 | 6.30 | 6.30 | 6.30 | 6.20 | 6.40 |
| Aroclor-1254-5 | (5) | 6.72 | 6.72 | 6.72 | 6.72 | 6.72 | 6.72 | 6.62 | 6.82 |
| Decachlorobiphenyl | | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.54 | 8.74 |
| Tetrachloro-m-xylene | | 3.65 | 3.65 | 3.65 | 3.65 | 3.65 | 3.65 | 3.55 | 3.75 |
| Aroclor-1268-1 | (1) | 7.54 | 7.54 | 7.54 | 7.54 | 7.54 | 7.54 | 7.44 | 7.64 |
| Aroclor-1268-2 | (2) | 7.61 | 7.61 | 7.61 | 7.61 | 7.61 | 7.61 | 7.51 | 7.71 |
| Aroclor-1268-3 | (3) | 7.81 | 7.81 | 7.81 | 7.81 | 7.81 | 7.81 | 7.71 | 7.91 |
| 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 | 3.65 | 3.65 | 3.65 | 3.65 | 3.65 | 3.65 | 3.55 | 3.75 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Lab Name:** Alliance
**Lab Code:** ACE
**Instrument ID:** ECD_O

**Contract:** REMI02
**SDG NO.:** Q3586
**Calibration Date(s):** 11/04/2025 11/04/2025
**Calibration Times:** 09:39 18:31

**GC Column:** ZB-MR1 **ID:** 0.32 (mm)

**LAB FILE ID:** CF 1000 = PO114871.D CF 750 = PO114872.D
CF 500 = PO114873.D CF 250 = PO114874.D CF 050 = PO114875.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 235183609 | 242405119 | 252300612 | 252330724 | 247880040 | 246020021 | 3 |
| Aroclor-1016-2 | (2) | 380671765 | 391174169 | 403435360 | 408228592 | 401844700 | 397070917 | 3 |
| Aroclor-1016-3 | (3) | 214892716 | 220811199 | 230510330 | 231508016 | 217282560 | 223000964 | 3 |
| Aroclor-1016-4 | (4) | 180735079 | 184273587 | 191842228 | 192742164 | 194782360 | 188875084 | 3 |
| Aroclor-1016-5 | (5) | 166479276 | 173610481 | 179587174 | 180772736 | 190536000 | 178197133 | 5 |
| Aroclor-1260-1 | (1) | 291080181 | 301659089 | 311914366 | 329562032 | 293951540 | 305633442 | 5 |
| Aroclor-1260-2 | (2) | 393658847 | 402595176 | 414352186 | 418536840 | 350242960 | 395877202 | 7 |
| Aroclor-1260-3 | (3) | 331096941 | 340266576 | 347857958 | 348147780 | 291720640 | 331817979 | 7 |
| Aroclor-1260-4 | (4) | 303823322 | 310642864 | 321126472 | 321507392 | 268000240 | 305020058 | 7 |
| Aroclor-1260-5 | (5) | 714393776 | 724690244 | 737226162 | 719415648 | 670367440 | 713218654 | 3 |
| Decachlorobiphenyl | | 4451734610 | 4516548787 | 4612561720 | 4524869360 | 3995527600 | 4420248415 | 6 |
| Tetrachloro-m-xylene | | 7020403280 | 7162783533 | 7307727940 | 7156075200 | 6543618600 | 7038121711 | 4 |
| Aroclor-1242-1 | (1) | 180395803 | 184480117 | 189796832 | 192180524 | 184350480 | 186240751 | 2 |
| Aroclor-1242-2 | (2) | 290607708 | 295647931 | 305830174 | 302003732 | 299791360 | 298776181 | 2 |
| Aroclor-1242-3 | (3) | 164449629 | 167684461 | 173929682 | 174410736 | 176369820 | 171368866 | 3 |
| Aroclor-1242-4 | (4) | 136844790 | 140633719 | 146402846 | 139660276 | 152376540 | 143183634 | 4 |
| Aroclor-1242-5 | (5) | 138362947 | 141839337 | 145002188 | 138385972 | 141196180 | 140957325 | 2 |
| Decachlorobiphenyl | | 4729850460 | 4804993427 | 4858375920 | 4746069120 | 4160138600 | 4659885505 | 6 |
| Tetrachloro-m-xylene | | 7348004600 | 7445204373 | 7532777260 | 7262019280 | 6694579200 | 7256516943 | 5 |
| Aroclor-1248-1 | (1) | 130126160 | 135244476 | 137909000 | 141742196 | 154206600 | 139845686 | 6 |
| Aroclor-1248-2 | (2) | 182893435 | 187680161 | 194064692 | 196392780 | 211353600 | 194476934 | 5 |
| Aroclor-1248-3 | (3) | 203368877 | 206306241 | 213983954 | 212927108 | 217587500 | 210834736 | 3 |
| Aroclor-1248-4 | (4) | 240181487 | 246210361 | 255848644 | 255957264 | 264773260 | 252594203 | 4 |
| Aroclor-1248-5 | (5) | 225312398 | 230738423 | 239469078 | 240115800 | 243213880 | 235769916 | 3 |
| Decachlorobiphenyl | | 4590720290 | 4647354867 | 4744288880 | 4661202760 | 4211361200 | 4570985599 | 5 |
| Tetrachloro-m-xylene | | 7316541360 | 7442934853 | 7528054520 | 7402608560 | 7218400400 | 7381707939 | 2 |
| Aroclor-1254-1 | (1) | 240591852 | 247416493 | 258765478 | 257075152 | 263299240 | 253429643 | 3 |
| Aroclor-1254-2 | (2) | 346021204 | 353529297 | 371589652 | 368897016 | 412184820 | 370444398 | 7 |
| Aroclor-1254-3 | (3) | 372893964 | 380446979 | 397009938 | 384293176 | 389678940 | 384864599 | 2 |
| Aroclor-1254-4 | (4) | 315539209 | 321424513 | 336840998 | 326904952 | 342871860 | 328716306 | 3 |
| Aroclor-1254-5 | (5) | 295373361 | 300690525 | 312155076 | 300474784 | 300573260 | 301853401 | 2 |
| Decachlorobiphenyl | | 4791769470 | 4896862187 | 5061968640 | 4831244600 | 4661831200 | 4848735219 | 3 |
| Tetrachloro-m-xylene | | 7410585440 | 7526809333 | 7802184660 | 7481754040 | 7408041400 | 7525874975 | 2 |
| Aroclor-1268-1 | (1) | 876279188 | 885717404 | 893041022 | 887529864 | 813508780 | 871215252 | 4 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1268-2 | (2) | 748334854 | 756337347 | 765525536 | 759915712 | 702804360 | 746583562 | 3 |
| Aroclor-1268-3 | (3) | 663299706 | 672085827 | 679866912 | 671661004 | 617886840 | 660960058 | 4 |
| Aroclor-1268-4 | (4) | 274155738 | 277531193 | 282310020 | 282161716 | 286808980 | 280593529 | 2 |
| Aroclor-1268-5 | (5) | 1966581606 | 1979440064 | 1985729368 | 1956798376 | 1807416340 | 1939193151 | 4 |
| Decachlorobiphenyl | | 8288385350 | 8396434587 | 8504946880 | 8419357920 | 7722111200 | 8266247187 | 4 |
| Tetrachloro-m-xylene | | 7475792880 | 7636683133 | 7655291620 | 7597134240 | 7121440400 | 7497268455 | 3 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Lab Name:** Alliance
**Lab Code:** ACE
**Instrument ID:** ECD_O

**Contract:** REMI02
**SDG NO.:** Q3586
**Calibration Date(s):** 11/04/2025 11/04/2025
**Calibration Times:** 09:39 18:31

**GC Column:** ZB-MR2 **ID:** 0.32 (mm)

**LAB FILE ID:** CF 1000 = PO114871.D CF 750 = PO114872.D
CF 500 = PO114873.D CF 250 = PO114874.D CF 050 = PO114875.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 178795127 | 185535456 | 193106802 | 200932132 | 192907960 | 190255495 | 4 |
| Aroclor-1016-2 | (2) | 260787154 | 267435697 | 277593168 | 286495324 | 262010880 | 270864445 | 4 |
| Aroclor-1016-3 | (3) | 140310175 | 144533207 | 150201526 | 154962192 | 149858780 | 147973176 | 4 |
| Aroclor-1016-4 | (4) | 108607533 | 112021955 | 117721682 | 122827936 | 125909940 | 117417809 | 6 |
| Aroclor-1016-5 | (5) | 142235561 | 147493437 | 153611756 | 157990124 | 162236540 | 152713484 | 5 |
| Aroclor-1260-1 | (1) | 272865489 | 283696256 | 302549666 | 306994580 | 314431380 | 296107474 | 5 |
| Aroclor-1260-2 | (2) | 410849028 | 420744668 | 440173148 | 441650472 | 436738740 | 430031211 | 3 |
| Aroclor-1260-3 | (3) | 328919579 | 344471297 | 362206406 | 366201912 | 353957800 | 351151399 | 4 |
| Aroclor-1260-4 | (4) | 295043629 | 302500340 | 313130718 | 316509244 | 287959420 | 303028670 | 4 |
| Aroclor-1260-5 | (5) | 819932115 | 830411719 | 851082708 | 846532168 | 760181660 | 821628074 | 4 |
| Decachlorobiphenyl | | 3768213910 | 3862452533 | 4051635320 | 3997632280 | 3839185200 | 3903823849 | 3 |
| Tetrachloro-m-xylene | | 4444199150 | 4532189360 | 4610968540 | 4573862320 | 4172678600 | 4466779594 | 4 |
| Aroclor-1242-1 | (1) | 138347633 | 144438088 | 149108388 | 148877560 | 150336280 | 146221590 | 3 |
| Aroclor-1242-2 | (2) | 199908386 | 204961789 | 213926082 | 211880332 | 205062860 | 207147890 | 3 |
| Aroclor-1242-3 | (3) | 108216818 | 112229521 | 116418372 | 113485296 | 109537600 | 111977521 | 3 |
| Aroclor-1242-4 | (4) | 101919263 | 105301932 | 110004430 | 109236748 | 109193360 | 107131147 | 3 |
| Aroclor-1242-5 | (5) | 135980897 | 140103160 | 145653410 | 150301700 | 142549620 | 142917757 | 4 |
| Decachlorobiphenyl | | 4093300380 | 4301738307 | 4403735460 | 4338775160 | 4380898600 | 4303689581 | 3 |
| Tetrachloro-m-xylene | | 4800115840 | 4683347560 | 4961464680 | 4527345840 | 4437059000 | 4681866584 | 4 |
| Aroclor-1248-1 | (1) | 101027399 | 105625799 | 111262386 | 113093188 | 115539800 | 109309714 | 5 |
| Aroclor-1248-2 | (2) | 136540550 | 142594189 | 148530518 | 152692968 | 164144180 | 148900481 | 7 |
| Aroclor-1248-3 | (3) | 143887712 | 149887199 | 155474250 | 158349236 | 169440400 | 155407759 | 6 |
| Aroclor-1248-4 | (4) | 171266913 | 177666692 | 184171754 | 187513908 | 195642380 | 183252329 | 5 |
| Aroclor-1248-5 | (5) | 174649655 | 180220384 | 187038042 | 189642400 | 190092660 | 184328628 | 3 |
| Decachlorobiphenyl | | 4076042330 | 4166088587 | 4290124020 | 4403270520 | 4144788800 | 4216062851 | 3 |
| Tetrachloro-m-xylene | | 4758509080 | 4829545453 | 4892334280 | 4811209560 | 4727034000 | 4803726475 | 1 |
| Aroclor-1254-1 | (1) | 275439068 | 284238351 | 300243386 | 299923620 | 341055960 | 300180077 | 8 |
| Aroclor-1254-2 | (2) | 245333366 | 253279232 | 267984098 | 268318040 | 313122940 | 269607535 | 9 |
| Aroclor-1254-3 | (3) | 398238109 | 410614839 | 430545692 | 426530308 | 445294740 | 422244738 | 4 |
| Aroclor-1254-4 | (4) | 284785979 | 294895399 | 305027804 | 301955520 | 300306220 | 297394184 | 3 |
| Aroclor-1254-5 | (5) | 385708423 | 392326712 | 409498118 | 398089984 | 402006780 | 397526003 | 2 |
| Decachlorobiphenyl | | 4273373360 | 4367226933 | 4604811080 | 4533103920 | 4272134600 | 4410129979 | 3 |
| Tetrachloro-m-xylene | | 4791085320 | 4887004773 | 5044010700 | 4876428000 | 4843036000 | 4888312959 | 2 |
| Aroclor-1268-1 | (1) | 948830555 | 965398547 | 981732904 | 993582148 | 991082540 | 976125339 | 2 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1268-2 | (2) | 784312077 | 796694211 | 811227528 | 817006596 | 768929160 | 795633914 | 2 |
| Aroclor-1268-3 | (3) | 672635507 | 681509284 | 695723330 | 696225136 | 632763280 | 675771307 | 4 |
| Aroclor-1268-4 | (4) | 270862616 | 275402580 | 280086838 | 282372280 | 267609400 | 275266743 | 2 |
| Aroclor-1268-5 | (5) | 1768544208 | 1786014605 | 1818457210 | 1831952004 | 1717683400 | 1784530285 | 2 |
| Decachlorobiphenyl | | 7349980390 | 7437822467 | 7706201340 | 7861559120 | 8321979800 | 7735508623 | 5 |
| Tetrachloro-m-xylene | | 4791521570 | 4902547960 | 4915920660 | 4883273320 | 4724156000 | 4843483902 | 2 |

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## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**Instrument ID:** ECD_O **Date(s) Analyzed:** 11/04/2025 11/04/2025

**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 | 4.55 | 4.45 | 4.65 | 84124000 |
| | | 2 | 4.63 | 4.53 | 4.73 | 60183600 |
| | | 3 | 4.71 | 4.61 | 4.81 | 193335000 |
| | | 4 | 0.00 | | | 0 |
| | | 5 | 0.00 | | | 0 |
| Aroclor-1232 | 500 | 1 | 4.71 | 4.61 | 4.81 | 150015000 |
| | | 2 | 5.22 | 5.12 | 5.32 | 72567400 |
| | | 3 | 5.51 | 5.41 | 5.61 | 158675000 |
| | | 4 | 5.67 | 5.57 | 5.77 | 73795600 |
| | | 5 | 5.76 | 5.66 | 5.86 | 51580600 |
| Aroclor-1262 | 500 | 1 | 7.70 | 7.60 | 7.80 | 453404000 |
| | | 2 | 8.23 | 8.13 | 8.33 | 707198000 |
| | | 3 | 8.53 | 8.43 | 8.63 | 451420000 |
| | | 4 | 8.62 | 8.52 | 8.72 | 336186000 |
| | | 5 | 9.24 | 9.14 | 9.34 | 241816000 |

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## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**Instrument ID:** ECD_O **Date(s) Analyzed:** 11/04/2025 11/04/2025

**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 | 3.86 | 3.76 | 3.96 | 61799200 |
| | | 2 | 3.95 | 3.85 | 4.05 | 45637000 |
| | | 3 | 4.02 | 3.92 | 4.12 | 140257000 |
| | | 4 | 0.00 | | | 0 |
| | | 5 | 0.00 | | | 0 |
| Aroclor-1232 | 500 | 1 | 4.02 | 3.92 | 4.12 | 111493000 |
| | | 2 | 4.75 | 4.65 | 4.85 | 112095000 |
| | | 3 | 4.92 | 4.82 | 5.02 | 59654200 |
| | | 4 | 5.01 | 4.91 | 5.11 | 50889000 |
| | | 5 | 5.18 | 5.08 | 5.28 | 56587600 |
| Aroclor-1262 | 500 | 1 | 6.76 | 6.66 | 6.86 | 494206000 |
| | | 2 | 7.26 | 7.16 | 7.36 | 795090000 |
| | | 3 | 7.54 | 7.44 | 7.64 | 329028000 |
| | | 4 | 7.61 | 7.51 | 7.71 | 538192000 |
| | | 5 | 8.10 | 8.00 | 8.20 | 238020000 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**Continuing Calib Date:** 11/11/2025 **Initial Calibration Date(s):** 11/04/2025 11/04/2025

**Continuing Calib Time:** 09:58 **Initial Calibration Time(s):** 09:39 18:31

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)**

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.49 | 5.49 | 5.39 | 5.59 | 0.00 |
| Aroclor-1016-2 | (2) | 5.51 | 5.51 | 5.41 | 5.61 | 0.00 |
| Aroclor-1016-3 | (3) | 5.57 | 5.57 | 5.47 | 5.67 | 0.00 |
| Aroclor-1016-4 | (4) | 5.67 | 5.67 | 5.57 | 5.77 | 0.00 |
| Aroclor-1016-5 | (5) | 5.96 | 5.96 | 5.86 | 6.06 | 0.00 |
| Aroclor-1260-1 | (1) | 7.07 | 7.07 | 6.97 | 7.17 | 0.00 |
| Aroclor-1260-2 | (2) | 7.33 | 7.33 | 7.23 | 7.43 | 0.00 |
| Aroclor-1260-3 | (3) | 7.68 | 7.68 | 7.58 | 7.78 | 0.00 |
| Aroclor-1260-4 | (4) | 7.91 | 7.90 | 7.80 | 8.00 | -0.01 |
| Aroclor-1260-5 | (5) | 8.21 | 8.21 | 8.11 | 8.31 | 0.00 |
| Tetrachloro-m-xylene | | 4.35 | 4.35 | 4.25 | 4.45 | 0.00 |
| Decachlorobiphenyl | | 9.93 | 9.93 | 9.83 | 10.03 | 0.00 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**Continuing Calib Date:** 11/11/2025 **Initial Calibration Date(s):** 11/04/2025 11/04/2025

**Continuing Calib Time:** 09:58 **Initial Calibration Time(s):** 09:39 18:31

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)**

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.73 | 4.73 | 4.63 | 4.83 | 0.00 |
| Aroclor-1016-2 | (2) | 4.75 | 4.75 | 4.65 | 4.85 | 0.00 |
| Aroclor-1016-3 | (3) | 4.92 | 4.92 | 4.82 | 5.02 | 0.00 |
| Aroclor-1016-4 | (4) | 4.96 | 4.96 | 4.86 | 5.06 | 0.00 |
| Aroclor-1016-5 | (5) | 5.18 | 5.18 | 5.08 | 5.28 | 0.00 |
| Aroclor-1260-1 | (1) | 6.21 | 6.21 | 6.11 | 6.31 | 0.01 |
| Aroclor-1260-2 | (2) | 6.39 | 6.39 | 6.29 | 6.49 | 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 | | 3.65 | 3.65 | 3.55 | 3.75 | 0.00 |
| Decachlorobiphenyl | | 8.64 | 8.64 | 8.54 | 8.74 | 0.00 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/04/2025 11/04/2025

**Client Sample No.:** CCAL01 **Date Analyzed:** 11/11/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PO114995.D **Time Analyzed:** 09:58

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.487 | 5.387 | 5.587 | 523.240 | 500.000 | 4.6 |
| Aroclor-1016-2 | 5.509 | 5.408 | 5.608 | 519.530 | 500.000 | 3.9 |
| Aroclor-1016-3 | 5.570 | 5.470 | 5.670 | 536.920 | 500.000 | 7.4 |
| Aroclor-1016-4 | 5.666 | 5.566 | 5.766 | 518.900 | 500.000 | 3.8 |
| Aroclor-1016-5 | 5.959 | 5.858 | 6.058 | 508.530 | 500.000 | 1.7 |
| Aroclor-1260-1 | 7.072 | 6.971 | 7.171 | 494.540 | 500.000 | -1.1 |
| Aroclor-1260-2 | 7.326 | 7.225 | 7.425 | 530.960 | 500.000 | 6.2 |
| Aroclor-1260-3 | 7.684 | 7.582 | 7.782 | 530.270 | 500.000 | 6.1 |
| Aroclor-1260-4 | 7.906 | 7.803 | 8.003 | 513.550 | 500.000 | 2.7 |
| Aroclor-1260-5 | 8.212 | 8.110 | 8.310 | 513.190 | 500.000 | 2.6 |
| Decachlorobiphenyl | 9.934 | 9.830 | 10.030 | 51.550 | 50.000 | 3.1 |
| Tetrachloro-m-xylene | 4.347 | 4.248 | 4.448 | 54.660 | 50.000 | 9.3 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/04/2025 11/04/2025

**Client Sample No.:** CCAL01 **Date Analyzed:** 11/11/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PO114995.D **Time Analyzed:** 09:58

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.727 | 4.628 | 4.828 | 520.960 | 500.000 | 4.2 |
| Aroclor-1016-2 | 4.746 | 4.647 | 4.847 | 517.670 | 500.000 | 3.5 |
| Aroclor-1016-3 | 4.920 | 4.821 | 5.021 | 521.770 | 500.000 | 4.4 |
| Aroclor-1016-4 | 4.963 | 4.864 | 5.064 | 520.570 | 500.000 | 4.1 |
| Aroclor-1016-5 | 5.175 | 5.076 | 5.276 | 520.420 | 500.000 | 4.1 |
| Aroclor-1260-1 | 6.205 | 6.106 | 6.306 | 498.280 | 500.000 | -0.3 |
| Aroclor-1260-2 | 6.393 | 6.294 | 6.494 | 495.230 | 500.000 | -1.0 |
| Aroclor-1260-3 | 6.546 | 6.446 | 6.646 | 501.370 | 500.000 | 0.3 |
| Aroclor-1260-4 | 7.017 | 6.917 | 7.117 | 509.410 | 500.000 | 1.9 |
| Aroclor-1260-5 | 7.257 | 7.158 | 7.358 | 505.340 | 500.000 | 1.1 |
| Decachlorobiphenyl | 8.643 | 8.541 | 8.741 | 53.990 | 50.000 | 8.0 |
| Tetrachloro-m-xylene | 3.648 | 3.548 | 3.748 | 52.580 | 50.000 | 5.2 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**Continuing Calib Date:** 11/11/2025 **Initial Calibration Date(s):** 11/04/2025 11/04/2025

**Continuing Calib Time:** 15:49 **Initial Calibration Time(s):** 09:39 18:31

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)**

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | RT WINDOW TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.49 | 5.49 | 5.39 | 5.59 | 0.00 |
| Aroclor-1016-2 | (2) | 5.51 | 5.51 | 5.41 | 5.61 | 0.00 |
| Aroclor-1016-3 | (3) | 5.57 | 5.57 | 5.47 | 5.67 | 0.00 |
| Aroclor-1016-4 | (4) | 5.67 | 5.67 | 5.57 | 5.77 | 0.00 |
| Aroclor-1016-5 | (5) | 5.96 | 5.96 | 5.86 | 6.06 | 0.00 |
| Aroclor-1260-1 | (1) | 7.07 | 7.07 | 6.97 | 7.17 | 0.00 |
| Aroclor-1260-2 | (2) | 7.33 | 7.33 | 7.23 | 7.43 | 0.01 |
| Aroclor-1260-3 | (3) | 7.68 | 7.68 | 7.58 | 7.78 | 0.00 |
| Aroclor-1260-4 | (4) | 7.90 | 7.90 | 7.80 | 8.00 | 0.00 |
| Aroclor-1260-5 | (5) | 8.21 | 8.21 | 8.11 | 8.31 | 0.00 |
| Tetrachloro-m-xylene | | 4.35 | 4.35 | 4.25 | 4.45 | 0.00 |
| Decachlorobiphenyl | | 9.93 | 9.93 | 9.83 | 10.03 | 0.00 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**Continuing Calib Date:** 11/11/2025 **Initial Calibration Date(s):** 11/04/2025 11/04/2025

**Continuing Calib Time:** 15:49 **Initial Calibration Time(s):** 09:39 18:31

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)**

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.73 | 4.73 | 4.63 | 4.83 | 0.00 |
| Aroclor-1016-2 | (2) | 4.75 | 4.75 | 4.65 | 4.85 | 0.00 |
| Aroclor-1016-3 | (3) | 4.92 | 4.92 | 4.82 | 5.02 | 0.00 |
| Aroclor-1016-4 | (4) | 4.96 | 4.96 | 4.86 | 5.06 | 0.00 |
| Aroclor-1016-5 | (5) | 5.18 | 5.18 | 5.08 | 5.28 | 0.00 |
| Aroclor-1260-1 | (1) | 6.21 | 6.21 | 6.11 | 6.31 | 0.01 |
| Aroclor-1260-2 | (2) | 6.39 | 6.39 | 6.29 | 6.49 | 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 | | 3.65 | 3.65 | 3.55 | 3.75 | 0.00 |
| Decachlorobiphenyl | | 8.64 | 8.64 | 8.54 | 8.74 | 0.00 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/04/2025 11/04/2025

**Client Sample No.:** CCAL02 **Date Analyzed:** 11/11/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PO115010.D **Time Analyzed:** 15:49

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.486 | 5.387 | 5.587 | 516.170 | 500.000 | 3.2 |
| Aroclor-1016-2 | 5.508 | 5.408 | 5.608 | 515.680 | 500.000 | 3.1 |
| Aroclor-1016-3 | 5.569 | 5.470 | 5.670 | 531.180 | 500.000 | 6.2 |
| Aroclor-1016-4 | 5.666 | 5.566 | 5.766 | 520.070 | 500.000 | 4.0 |
| Aroclor-1016-5 | 5.957 | 5.858 | 6.058 | 505.450 | 500.000 | 1.1 |
| Aroclor-1260-1 | 7.071 | 6.971 | 7.171 | 495.620 | 500.000 | -0.9 |
| Aroclor-1260-2 | 7.325 | 7.225 | 7.425 | 531.970 | 500.000 | 6.4 |
| Aroclor-1260-3 | 7.683 | 7.582 | 7.782 | 531.940 | 500.000 | 6.4 |
| Aroclor-1260-4 | 7.904 | 7.803 | 8.003 | 516.150 | 500.000 | 3.2 |
| Aroclor-1260-5 | 8.212 | 8.110 | 8.310 | 512.360 | 500.000 | 2.5 |
| Decachlorobiphenyl | 9.933 | 9.830 | 10.030 | 51.230 | 50.000 | 2.5 |
| Tetrachloro-m-xylene | 4.347 | 4.248 | 4.448 | 53.580 | 50.000 | 7.2 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **SDG NO.:** Q3586

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/04/2025 11/04/2025

**Client Sample No.:** CCAL02 **Date Analyzed:** 11/11/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PO115010.D **Time Analyzed:** 15:49

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.727 | 4.628 | 4.828 | 517.240 | 500.000 | 3.4 |
| Aroclor-1016-2 | 4.746 | 4.647 | 4.847 | 515.690 | 500.000 | 3.1 |
| Aroclor-1016-3 | 4.920 | 4.821 | 5.021 | 522.320 | 500.000 | 4.5 |
| Aroclor-1016-4 | 4.963 | 4.864 | 5.064 | 520.080 | 500.000 | 4.0 |
| Aroclor-1016-5 | 5.175 | 5.076 | 5.276 | 517.410 | 500.000 | 3.5 |
| Aroclor-1260-1 | 6.205 | 6.106 | 6.306 | 495.010 | 500.000 | -1.0 |
| Aroclor-1260-2 | 6.393 | 6.294 | 6.494 | 487.870 | 500.000 | -2.4 |
| Aroclor-1260-3 | 6.545 | 6.446 | 6.646 | 496.040 | 500.000 | -0.8 |
| Aroclor-1260-4 | 7.016 | 6.917 | 7.117 | 503.530 | 500.000 | 0.7 |
| Aroclor-1260-5 | 7.257 | 7.158 | 7.358 | 499.860 | 500.000 | 0.0 |
| Decachlorobiphenyl | 8.642 | 8.541 | 8.741 | 53.840 | 50.000 | 7.7 |
| Tetrachloro-m-xylene | 3.648 | 3.548 | 3.748 | 52.450 | 50.000 | 4.9 |

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# Analytical Sequence

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Project:** Edison Landfill **Instrument ID:** ECD_O

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/04/2025 11/04/2025

**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 | 11/04/2025 | 09:21 | PO114870.D | 9.93 | 4.35 |
| AR1660ICC1000 | AR1660ICC1000 | 11/04/2025 | 09:39 | PO114871.D | 9.93 | 4.35 |
| AR1660ICC750 | AR1660ICC750 | 11/04/2025 | 09:58 | PO114872.D | 9.93 | 4.35 |
| AR1660ICC500 | AR1660ICC500 | 11/04/2025 | 10:16 | PO114873.D | 9.93 | 4.35 |
| AR1660ICC250 | AR1660ICC250 | 11/04/2025 | 10:34 | PO114874.D | 9.93 | 4.35 |
| AR1660ICC050 | AR1660ICC050 | 11/04/2025 | 10:53 | PO114875.D | 9.93 | 4.35 |
| AR1221ICC500 | AR1221ICC500 | 11/04/2025 | 11:11 | PO114876.D | 9.93 | 4.35 |
| AR1232ICC500 | AR1232ICC500 | 11/04/2025 | 11:30 | PO114877.D | 9.93 | 4.35 |
| AR1242ICC1000 | AR1242ICC1000 | 11/04/2025 | 11:48 | PO114878.D | 9.93 | 4.35 |
| AR1242ICC750 | AR1242ICC750 | 11/04/2025 | 12:06 | PO114879.D | 9.93 | 4.35 |
| AR1242ICC500 | AR1242ICC500 | 11/04/2025 | 12:25 | PO114880.D | 9.93 | 4.35 |
| AR1242ICC250 | AR1242ICC250 | 11/04/2025 | 12:42 | PO114881.D | 9.93 | 4.35 |
| AR1242ICC050 | AR1242ICC050 | 11/04/2025 | 13:00 | PO114882.D | 9.93 | 4.35 |
| AR1248ICC1000 | AR1248ICC1000 | 11/04/2025 | 13:19 | PO114883.D | 9.93 | 4.35 |
| AR1248ICC750 | AR1248ICC750 | 11/04/2025 | 13:37 | PO114884.D | 9.93 | 4.35 |
| AR1248ICC500 | AR1248ICC500 | 11/04/2025 | 13:56 | PO114885.D | 9.93 | 4.35 |
| AR1248ICC250 | AR1248ICC250 | 11/04/2025 | 14:14 | PO114886.D | 9.93 | 4.35 |
| AR1248ICC050 | AR1248ICC050 | 11/04/2025 | 14:33 | PO114887.D | 9.93 | 4.35 |
| AR1254ICC1000 | AR1254ICC1000 | 11/04/2025 | 14:51 | PO114888.D | 9.93 | 4.35 |
| AR1254ICC750 | AR1254ICC750 | 11/04/2025 | 15:09 | PO114889.D | 9.93 | 4.35 |
| AR1254ICC500 | AR1254ICC500 | 11/04/2025 | 15:28 | PO114890.D | 9.93 | 4.35 |
| AR1254ICC250 | AR1254ICC250 | 11/04/2025 | 16:04 | PO114891.D | 9.93 | 4.35 |
| AR1254ICC050 | AR1254ICC050 | 11/04/2025 | 16:23 | PO114892.D | 9.93 | 4.35 |
| AR1262ICC500 | AR1262ICC500 | 11/04/2025 | 17:00 | PO114893.D | 9.95 | 4.37 |
| AR1268ICC1000 | AR1268ICC1000 | 11/04/2025 | 17:18 | PO114894.D | 9.93 | 4.35 |
| AR1268ICC750 | AR1268ICC750 | 11/04/2025 | 17:36 | PO114895.D | 9.93 | 4.35 |
| AR1268ICC500 | AR1268ICC500 | 11/04/2025 | 17:55 | PO114896.D | 9.93 | 4.35 |
| AR1268ICC250 | AR1268ICC250 | 11/04/2025 | 18:13 | PO114897.D | 9.93 | 4.35 |
| AR1268ICC050 | AR1268ICC050 | 11/04/2025 | 18:31 | PO114898.D | 9.93 | 4.35 |
| AR1660CCC500 | AR1660CCC500 | 11/11/2025 | 09:58 | PO114995.D | 9.93 | 4.35 |
| I.BLK | I.BLK | 11/11/2025 | 11:18 | PO114999.D | 9.94 | 4.35 |
| PB170475BL | PB170475BL | 11/11/2025 | 11:50 | PO115000.D | 9.95 | 4.35 |
| PB170475BS | PB170475BS | 11/11/2025 | 12:09 | PO115001.D | 9.94 | 4.35 |
| SED-1 | Q3586-01 | 11/11/2025 | 12:27 | PO115002.D | 9.94 | 4.35 |
| SED-1MS | Q3586-01MS | 11/11/2025 | 12:45 | PO115003.D | 9.94 | 4.35 |
| SED-1MSD | Q3586-01MSD | 11/11/2025 | 13:04 | PO115004.D | 9.94 | 4.35 |
| SED-2 | Q3586-02 | 11/11/2025 | 13:22 | PO115005.D | 9.94 | 4.35 |
| SED-3 | Q3586-03 | 11/11/2025 | 13:40 | PO115006.D | 9.94 | 4.35 |
| AR1660CCC500 | AR1660CCC500 | 11/11/2025 | 15:49 | PO115010.D | 9.93 | 4.35 |
| I.BLK | I.BLK | 11/11/2025 | 17:03 | PO115014.D | 9.93 | 4.35 |

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# Analytical Sequence

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Project:** Edison Landfill **Instrument ID:** ECD_O

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/04/2025 11/04/2025

**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 | 11/04/2025 | 09:21 | PO114870.D | 8.64 | 3.65 |
| AR1660ICC1000 | AR1660ICC1000 | 11/04/2025 | 09:39 | PO114871.D | 8.64 | 3.65 |
| AR1660ICC750 | AR1660ICC750 | 11/04/2025 | 09:58 | PO114872.D | 8.64 | 3.65 |
| AR1660ICC500 | AR1660ICC500 | 11/04/2025 | 10:16 | PO114873.D | 8.64 | 3.65 |
| AR1660ICC250 | AR1660ICC250 | 11/04/2025 | 10:34 | PO114874.D | 8.64 | 3.65 |
| AR1660ICC050 | AR1660ICC050 | 11/04/2025 | 10:53 | PO114875.D | 8.64 | 3.65 |
| AR1221ICC500 | AR1221ICC500 | 11/04/2025 | 11:11 | PO114876.D | 8.64 | 3.65 |
| AR1232ICC500 | AR1232ICC500 | 11/04/2025 | 11:30 | PO114877.D | 8.64 | 3.65 |
| AR1242ICC1000 | AR1242ICC1000 | 11/04/2025 | 11:48 | PO114878.D | 8.64 | 3.65 |
| AR1242ICC750 | AR1242ICC750 | 11/04/2025 | 12:06 | PO114879.D | 8.64 | 3.65 |
| AR1242ICC500 | AR1242ICC500 | 11/04/2025 | 12:25 | PO114880.D | 8.64 | 3.65 |
| AR1242ICC250 | AR1242ICC250 | 11/04/2025 | 12:42 | PO114881.D | 8.64 | 3.65 |
| AR1242ICC050 | AR1242ICC050 | 11/04/2025 | 13:00 | PO114882.D | 8.64 | 3.65 |
| AR1248ICC1000 | AR1248ICC1000 | 11/04/2025 | 13:19 | PO114883.D | 8.64 | 3.65 |
| AR1248ICC750 | AR1248ICC750 | 11/04/2025 | 13:37 | PO114884.D | 8.64 | 3.65 |
| AR1248ICC500 | AR1248ICC500 | 11/04/2025 | 13:56 | PO114885.D | 8.64 | 3.65 |
| AR1248ICC250 | AR1248ICC250 | 11/04/2025 | 14:14 | PO114886.D | 8.64 | 3.65 |
| AR1248ICC050 | AR1248ICC050 | 11/04/2025 | 14:33 | PO114887.D | 8.64 | 3.65 |
| AR1254ICC1000 | AR1254ICC1000 | 11/04/2025 | 14:51 | PO114888.D | 8.64 | 3.65 |
| AR1254ICC750 | AR1254ICC750 | 11/04/2025 | 15:09 | PO114889.D | 8.64 | 3.65 |
| AR1254ICC500 | AR1254ICC500 | 11/04/2025 | 15:28 | PO114890.D | 8.64 | 3.65 |
| AR1254ICC250 | AR1254ICC250 | 11/04/2025 | 16:04 | PO114891.D | 8.64 | 3.65 |
| AR1254ICC050 | AR1254ICC050 | 11/04/2025 | 16:23 | PO114892.D | 8.64 | 3.65 |
| AR1262ICC500 | AR1262ICC500 | 11/04/2025 | 17:00 | PO114893.D | 8.64 | 3.65 |
| AR1268ICC1000 | AR1268ICC1000 | 11/04/2025 | 17:18 | PO114894.D | 8.64 | 3.65 |
| AR1268ICC750 | AR1268ICC750 | 11/04/2025 | 17:36 | PO114895.D | 8.64 | 3.65 |
| AR1268ICC500 | AR1268ICC500 | 11/04/2025 | 17:55 | PO114896.D | 8.64 | 3.65 |
| AR1268ICC250 | AR1268ICC250 | 11/04/2025 | 18:13 | PO114897.D | 8.64 | 3.65 |
| AR1268ICC050 | AR1268ICC050 | 11/04/2025 | 18:31 | PO114898.D | 8.64 | 3.65 |
| AR1660CCC500 | AR1660CCC500 | 11/11/2025 | 09:58 | PO114995.D | 8.64 | 3.65 |
| I.BLK | I.BLK | 11/11/2025 | 11:18 | PO114999.D | 8.64 | 3.65 |
| PB170475BL | PB170475BL | 11/11/2025 | 11:50 | PO115000.D | 8.65 | 3.65 |
| PB170475BS | PB170475BS | 11/11/2025 | 12:09 | PO115001.D | 8.64 | 3.65 |
| SED-1 | Q3586-01 | 11/11/2025 | 12:27 | PO115002.D | 8.64 | 3.65 |
| SED-1MS | Q3586-01MS | 11/11/2025 | 12:45 | PO115003.D | 8.64 | 3.65 |
| SED-1MSD | Q3586-01MSD | 11/11/2025 | 13:04 | PO115004.D | 8.64 | 3.65 |
| SED-2 | Q3586-02 | 11/11/2025 | 13:22 | PO115005.D | 8.64 | 3.65 |
| SED-3 | Q3586-03 | 11/11/2025 | 13:40 | PO115006.D | 8.64 | 3.65 |
| AR1660CCC500 | AR1660CCC500 | 11/11/2025 | 15:49 | PO115010.D | 8.64 | 3.65 |
| I.BLK | I.BLK | 11/11/2025 | 17:03 | PO115014.D | 8.64 | 3.65 |

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



## IDENTIFICATION SUMMARY
## FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB170475BS

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3586

Lab Sample ID: PB170475BS Date(s) Analyzed: 11/11/2025 11/11/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO115001.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 5.488 | 5.438 | 5.538 | 149 | | |
| | 2 | 5.509 | 5.459 | 5.559 | 148 | | |
| | 3 | 5.571 | 5.521 | 5.621 | 153 | | |
| COLUMN 1 | 4 | 5.667 | 5.617 | 5.717 | 149 | | |
| | 5 | 5.959 | 5.909 | 6.009 | 141 | 148 | |
| | 1 | 4.727 | 4.677 | 4.777 | 147 | | |
| | 2 | 4.746 | 4.696 | 4.796 | 145 | | |
| | 3 | 4.921 | 4.871 | 4.971 | 146 | | |
| | 4 | 4.963 | 4.913 | 5.013 | 143 | | |
| COLUMN 2 | 5 | 5.175 | 5.125 | 5.225 | 140 | 144 | 2.74 |
| Aroclor-1260 | 1 | 7.073 | 7.023 | 7.123 | 147 | | |
| | 2 | 7.327 | 7.277 | 7.377 | 159 | | |
| | 3 | 7.685 | 7.635 | 7.735 | 128 | | |
| COLUMN 1 | 4 | 7.906 | 7.856 | 7.956 | 136 | | |
| | 5 | 8.213 | 8.163 | 8.263 | 130 | 140 | |
| | 1 | 6.206 | 6.156 | 6.256 | 144 | | |
| | 2 | 6.393 | 6.343 | 6.443 | 143 | | |
| | 3 | 6.546 | 6.496 | 6.596 | 149 | | |
| | 4 | 7.018 | 6.968 | 7.068 | 128 | | |
| COLUMN 2 | 5 | 7.257 | 7.207 | 7.307 | 129 | 139 | 0.72 |

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Fax : 908 789 8922



IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
SED-1MS

Lab Name: Alliance
Contract: REMI02
Lab Code: ACE
SDG NO.: Q3586
Lab Sample ID: Q3586-01MS
Date(s) Analyzed: 11/11/2025 11/11/2025
Instrument ID (1): ECD_O
Instrument ID (2): ECD_O
GC Column: (1): ZB-MR1 ID: 0.32 (mm)
GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PO115003.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 5.488 | 5.438 | 5.538 | 209 | | |
| | 2 | 5.509 | 5.459 | 5.559 | 203 | | |
| | 3 | 5.572 | 5.522 | 5.622 | 206 | | |
| COLUMN 1 | 4 | 5.667 | 5.617 | 5.717 | 207 | | |
| | 5 | 5.959 | 5.909 | 6.009 | 199 | 205 | |
| | 1 | 4.727 | 4.677 | 4.777 | 202 | | |
| | 2 | 4.746 | 4.696 | 4.796 | 203 | | |
| | 3 | 4.921 | 4.871 | 4.971 | 202 | | |
| | 4 | 4.963 | 4.913 | 5.013 | 197 | | |
| COLUMN 2 | 5 | 5.175 | 5.125 | 5.225 | 196 | 200 | 2.47 |
| Aroclor-1260 | 1 | 7.073 | 7.023 | 7.123 | 187 | | |
| | 2 | 7.327 | 7.277 | 7.377 | 190 | | |
| | 3 | 7.685 | 7.635 | 7.735 | 156 | | |
| COLUMN 1 | 4 | 7.907 | 7.857 | 7.957 | 169 | | |
| | 5 | 8.213 | 8.163 | 8.263 | 160 | 173 | |
| | 1 | 6.206 | 6.156 | 6.256 | 186 | | |
| | 2 | 6.394 | 6.344 | 6.444 | 183 | | |
| | 3 | 6.546 | 6.496 | 6.596 | 183 | | |
| | 4 | 7.018 | 6.968 | 7.068 | 159 | | |
| COLUMN 2 | 5 | 7.259 | 7.209 | 7.309 | 155 | 173 | 0 |

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# IDENTIFICATION SUMMARY
## FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

SED-1MSD

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG NO.: Q3586

Lab Sample ID: Q3586-01MSD | Date(s) Analyzed: 11/11/2025 11/11/2025

Instrument ID (1): ECD_O | Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) | GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO115004.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 5.488 | 5.438 | 5.538 | 220 | | |
| | 2 | 5.51 | 5.46 | 5.56 | 217 | | |
| | 3 | 5.572 | 5.522 | 5.622 | 221 | | |
| COLUMN 1 | 4 | 5.667 | 5.617 | 5.717 | 225 | | |
| | 5 | 5.959 | 5.909 | 6.009 | 212 | 219 | |
| | 1 | 4.728 | 4.678 | 4.778 | 219 | | |
| | 2 | 4.747 | 4.697 | 4.797 | 219 | | |
| | 3 | 4.921 | 4.871 | 4.971 | 221 | | |
| | 4 | 4.964 | 4.914 | 5.014 | 214 | | |
| COLUMN 2 | 5 | 5.176 | 5.126 | 5.226 | 212 | 217 | 0.92 |
| Aroclor-1260 | 1 | 7.073 | 7.023 | 7.123 | 199 | | |
| | 2 | 7.327 | 7.277 | 7.377 | 207 | | |
| | 3 | 7.685 | 7.635 | 7.735 | 169 | | |
| COLUMN 1 | 4 | 7.906 | 7.856 | 7.956 | 184 | | |
| | 5 | 8.213 | 8.163 | 8.263 | 172 | 186 | |
| | 1 | 6.206 | 6.156 | 6.256 | 203 | | |
| | 2 | 6.394 | 6.344 | 6.444 | 194 | | |
| | 3 | 6.546 | 6.496 | 6.596 | 198 | | |
| | 4 | 7.018 | 6.968 | 7.068 | 173 | | |
| COLUMN 2 | 5 | 7.259 | 7.209 | 7.309 | 169 | 187 | 0.54 |

# SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111125\
Data File : PO115002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 12:27
Operator : YP/AJ
Sample : Q3586-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
SED-1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 13:03:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 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... | 4.348 | 3.649 | 133.6E6 | 86095625 | 18.986 | 19.275 |
| 2) | SA Decachlor... | 9.936 | 8.643 | 76362660 | 73955371 | 17.276 | 18.944 |
| | Target Compounds | | | | | | |

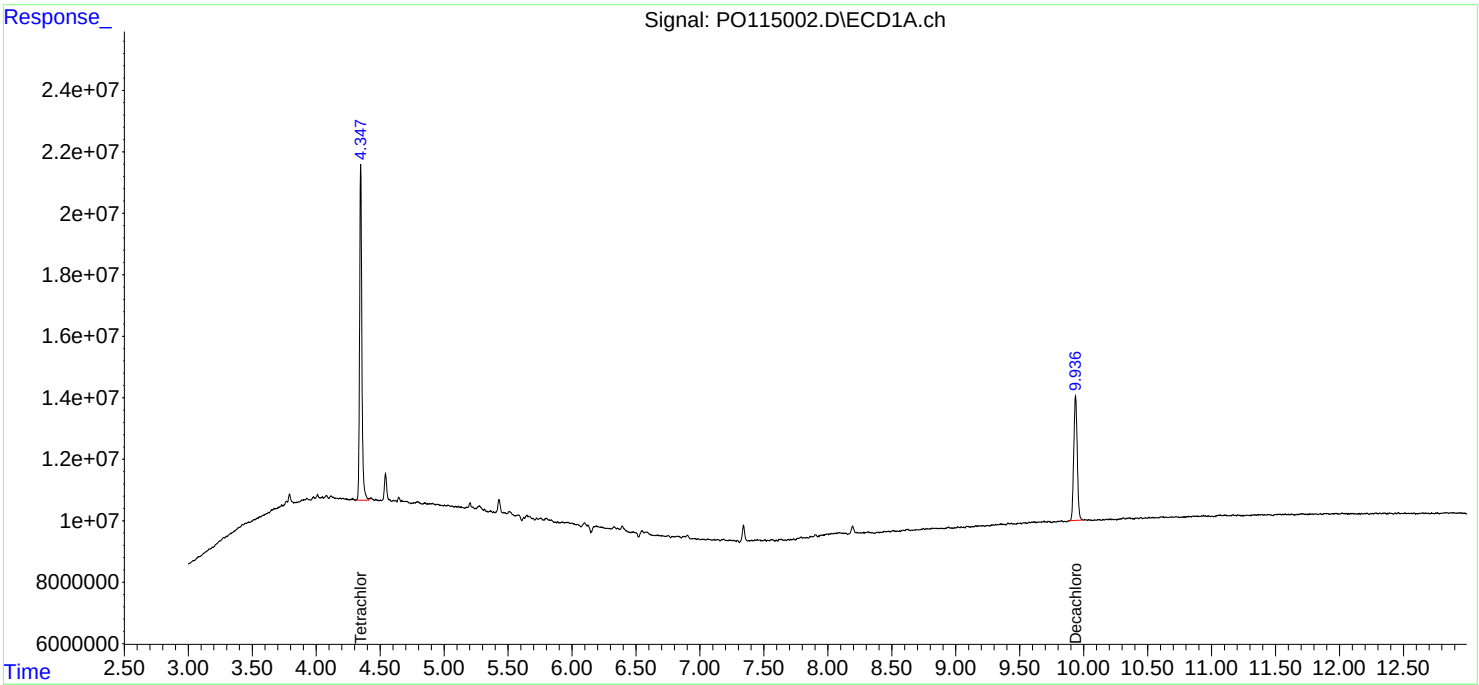
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

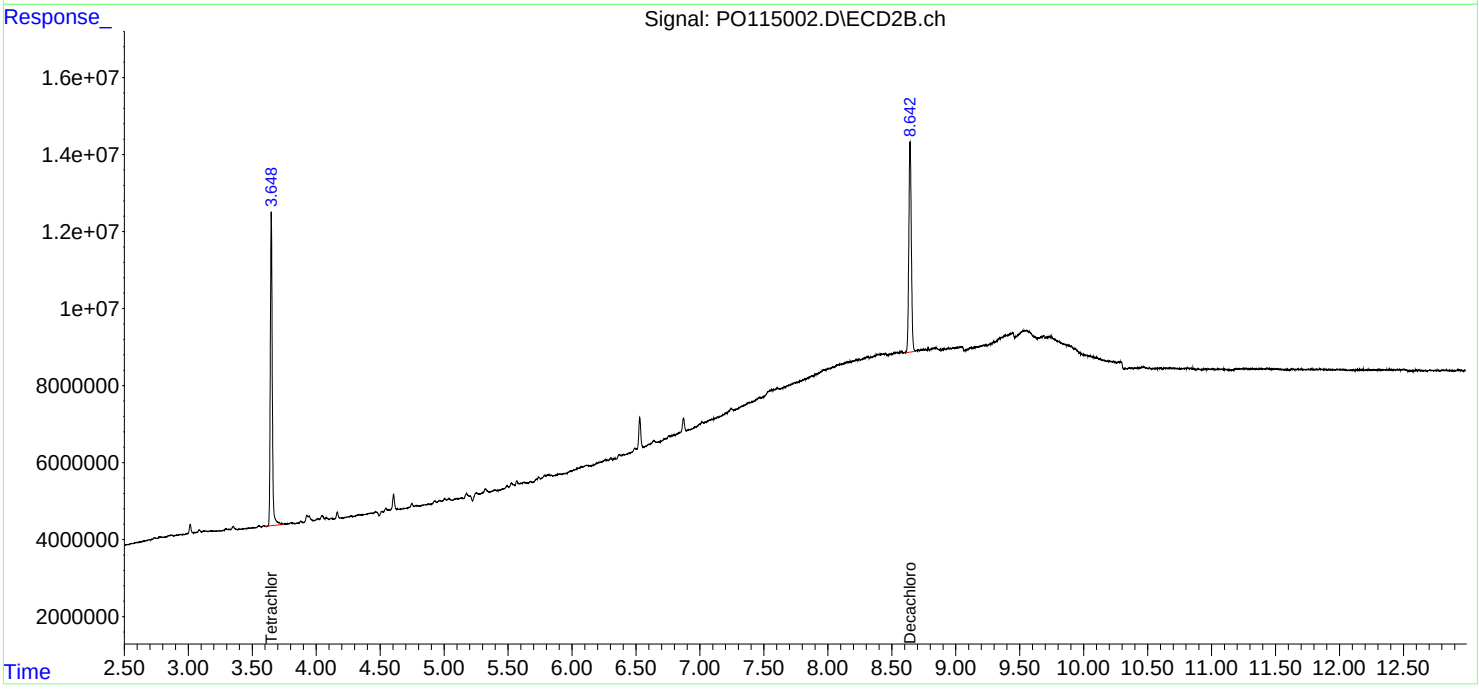
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111125\
Data File : PO115002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 12:27
Operator : YP/AJ
Sample : Q3586-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

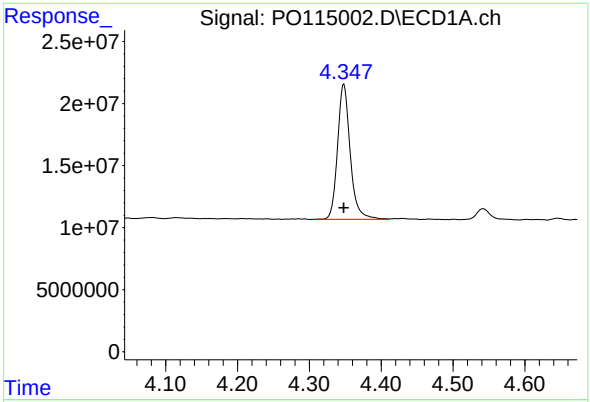
**Instrument :**
ECD_O
**ClientSampleId :**
SED-1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 13:03:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 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



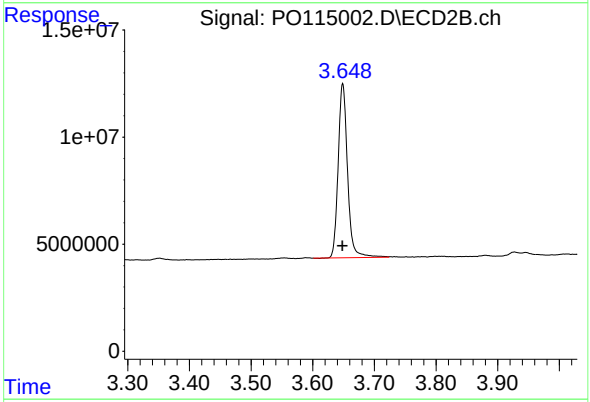






#1 Tetrachloro-m-xylene

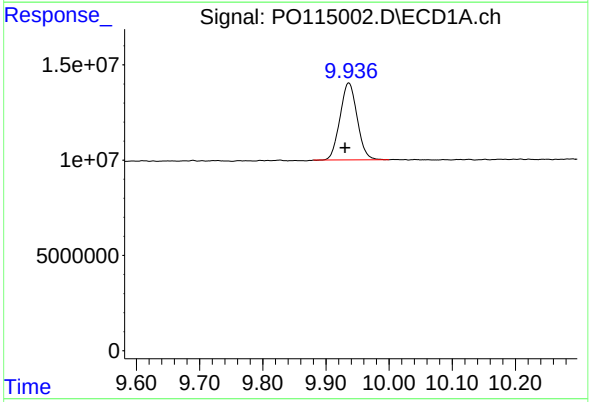
R.T.: 4.348 min
Delta R.T.: 0.000 min
Response: 133624527
Conc: 18.99 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
SED-1



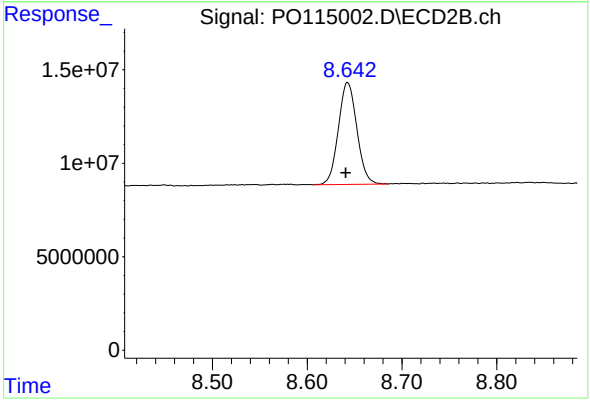

#1 Tetrachloro-m-xylene

R.T.: 3.649 min
Delta R.T.: 0.000 min
Response: 86095625
Conc: 19.27 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.936 min
Delta R.T.: 0.006 min
Response: 76362660
Conc: 17.28 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.643 min
Delta R.T.: 0.002 min
Response: 73955371
Conc: 18.94 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111125\
Data File : PO115005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 13:22
Operator : YP/AJ
Sample : Q3586-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
SED-2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 14:49:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 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... | 4.348 | 3.649 | 89693123 | 56639854 | 12.744 | 12.680 |
| 2) | SA Decachlor... | 9.936 | 8.642 | 26157618 | 27546792 | 5.918 | 7.056 |
| | Target Compounds | | | | | | |

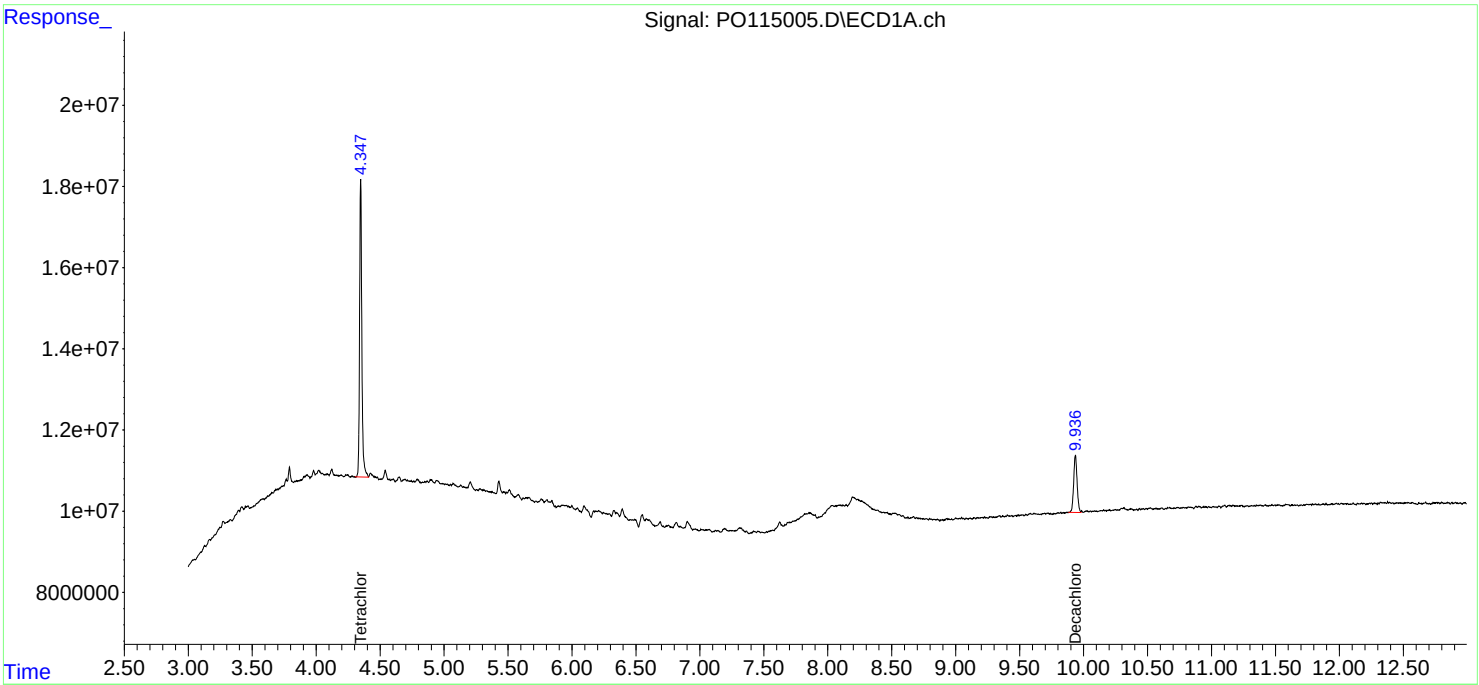
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

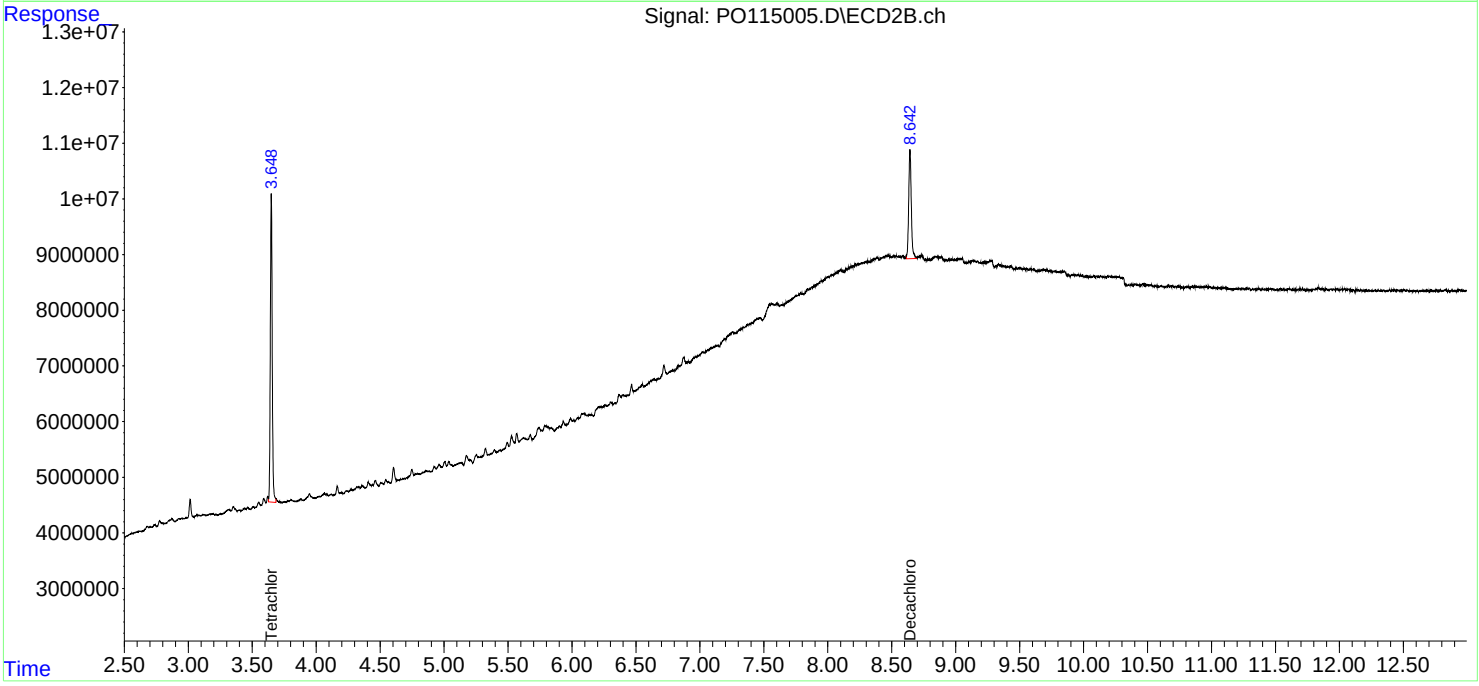
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111125\
Data File : PO115005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 13:22
Operator : YP/AJ
Sample : Q3586-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

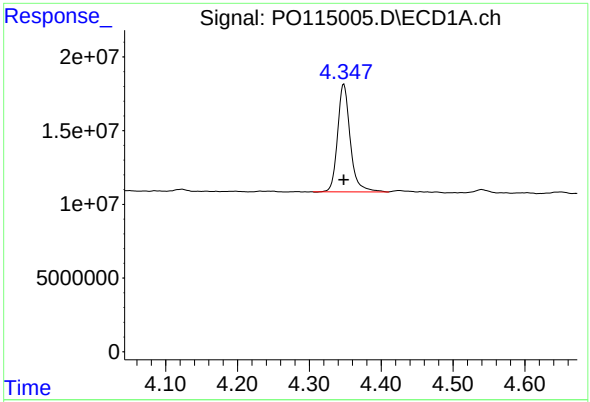
**Instrument :**
ECD_O
**ClientSampleId :**
SED-2

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 14:49:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 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



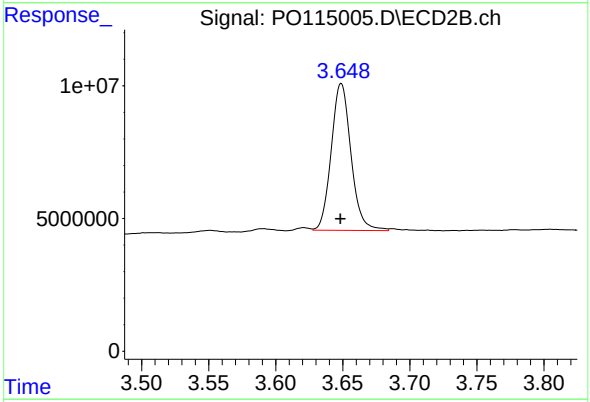






#1 Tetrachloro-m-xylene

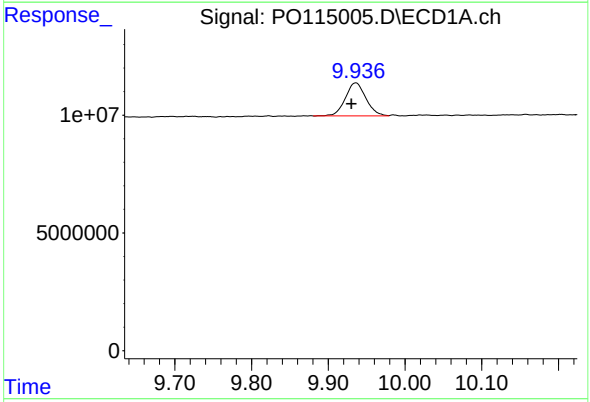
R.T.: 4.348 min
Delta R.T.: 0.000 min
Response: 89693123
Conc: 12.74 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
SED-2



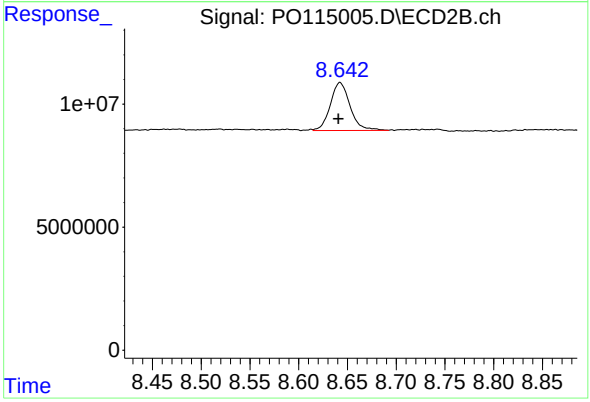

#1 Tetrachloro-m-xylene

R.T.: 3.649 min
Delta R.T.: 0.000 min
Response: 56639854
Conc: 12.68 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.936 min
Delta R.T.: 0.006 min
Response: 26157618
Conc: 5.92 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.642 min
Delta R.T.: 0.002 min
Response: 27546792
Conc: 7.06 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111125\
Data File : PO115006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 13:40
Operator : YP/AJ
Sample : Q3586-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
SED-3

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 14:50:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 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... | 4.348 | 3.649 | 127.0E6 | 83246038 | 18.051 | 18.637 |
| 2) | SA Decachlor... | 9.936 | 8.642 | 69890716 | 67131350 | 15.811 | 17.196 |
| | Target Compounds | | | | | | |

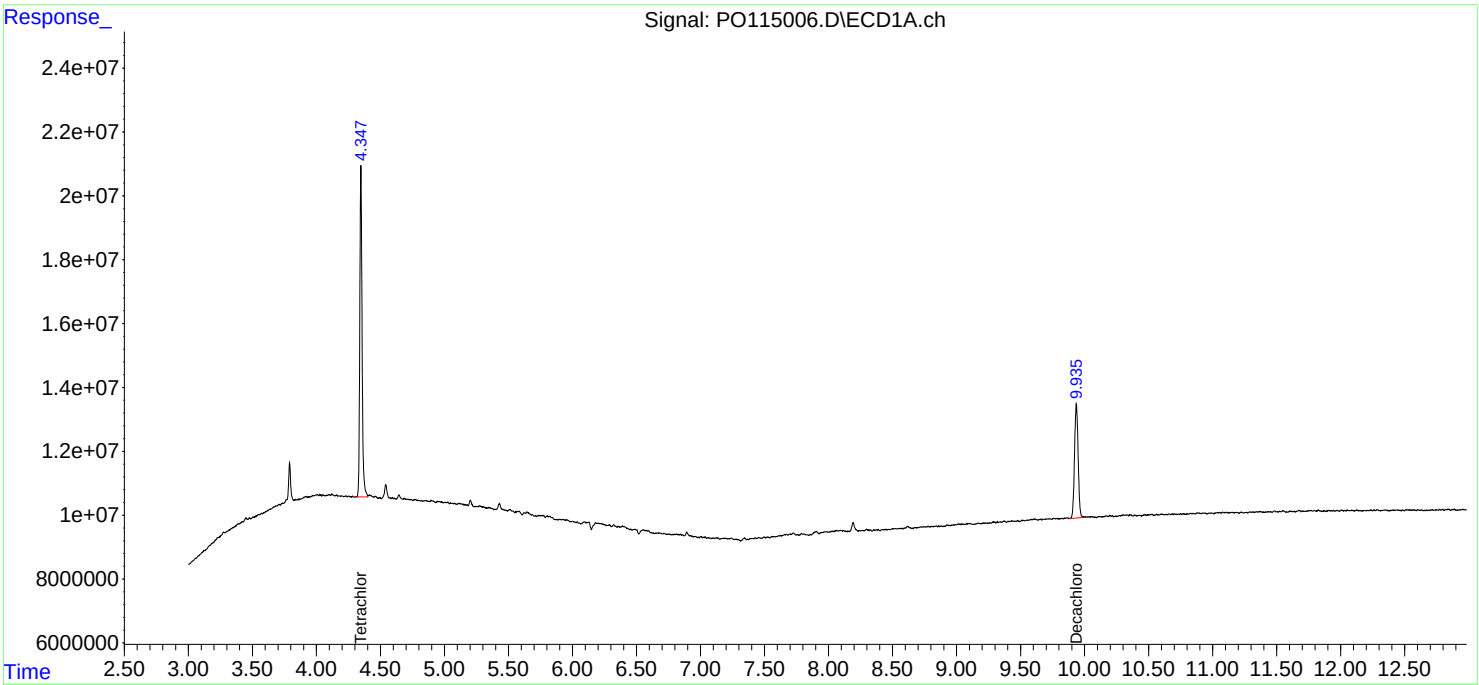
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

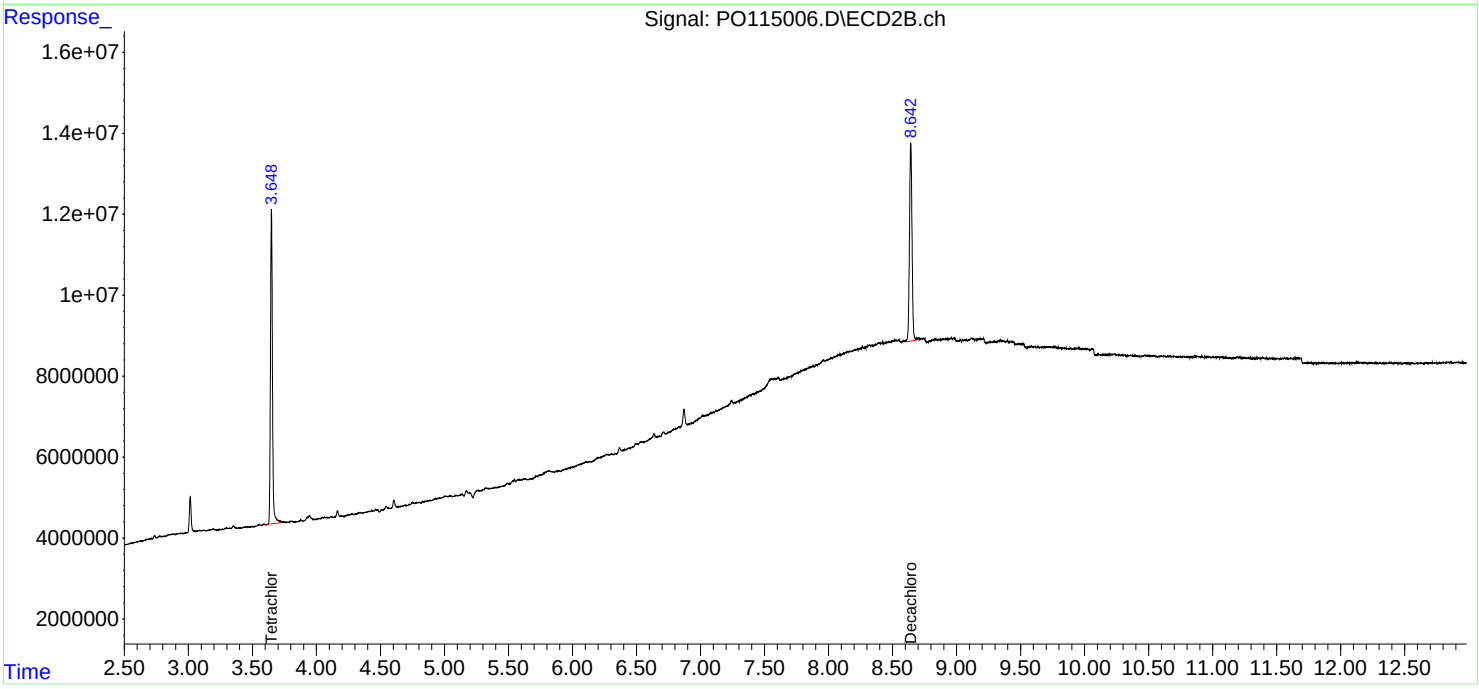
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111125\
Data File : PO115006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 13:40
Operator : YP/AJ
Sample : Q3586-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

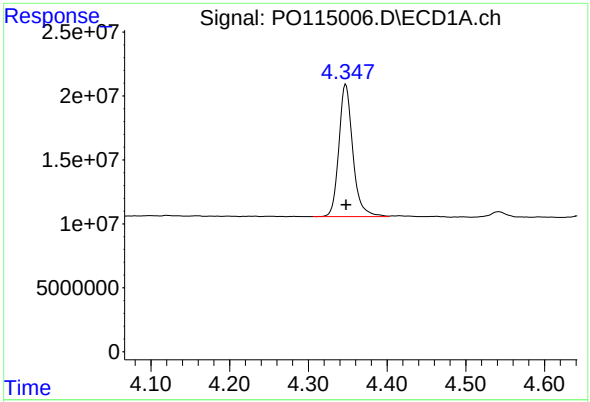
**Instrument :**
ECD_O
**ClientSampleId :**
SED-3

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 14:50:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 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



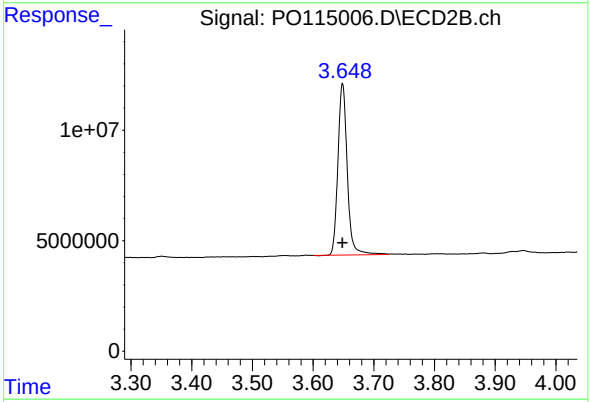






#1 Tetrachloro-m-xylene

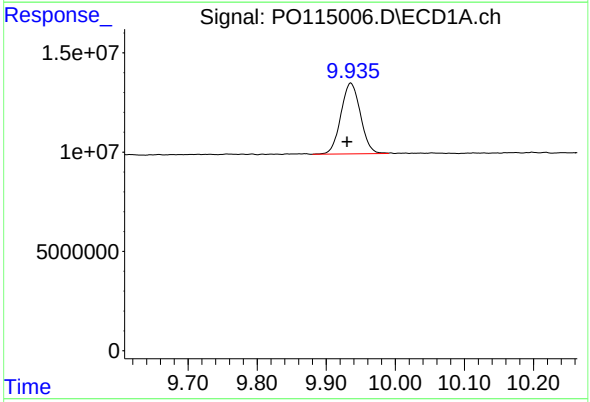
R.T.: 4.348 min
Delta R.T.: 0.000 min
Response: 127047622
Conc: 18.05 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
SED-3



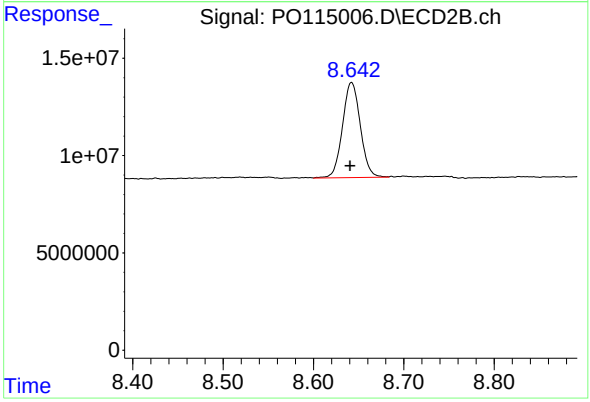

#1 Tetrachloro-m-xylene

R.T.: 3.649 min
Delta R.T.: 0.000 min
Response: 83246038
Conc: 18.64 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.936 min
Delta R.T.: 0.006 min
Response: 69890716
Conc: 15.81 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.642 min
Delta R.T.: 0.002 min
Response: 67131350
Conc: 17.20 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111125\
Data File : PO115000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 11:50
Operator : YP/AJ
Sample : PB170475BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
PB170475BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 13:02:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 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... | 4.353 | 3.649 | 144.7E6 | 87526237 | 20.558 | 19.595 |
| 2) | SA Decachlor... | 9.949 | 8.645 | 93009387 | 89337150 | 21.042 | 22.885 |
| | Target Compounds | | | | | | |

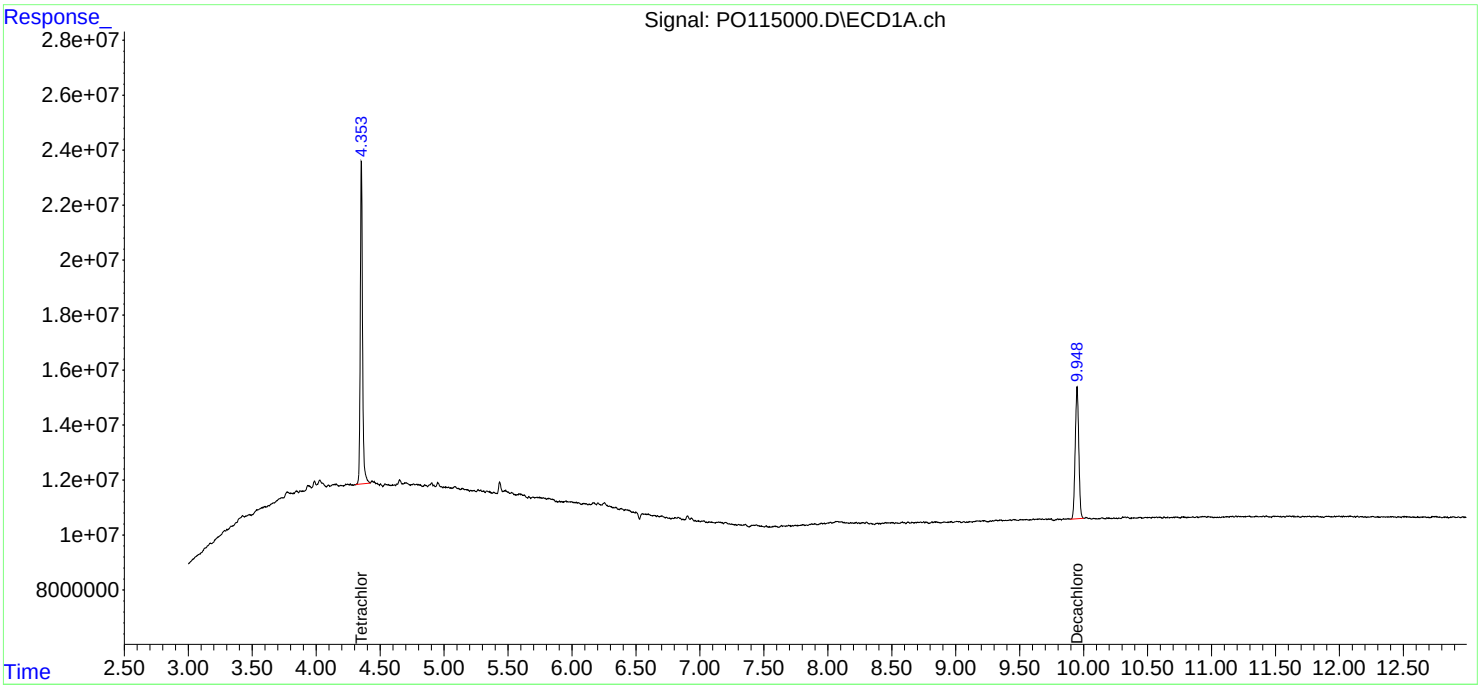
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

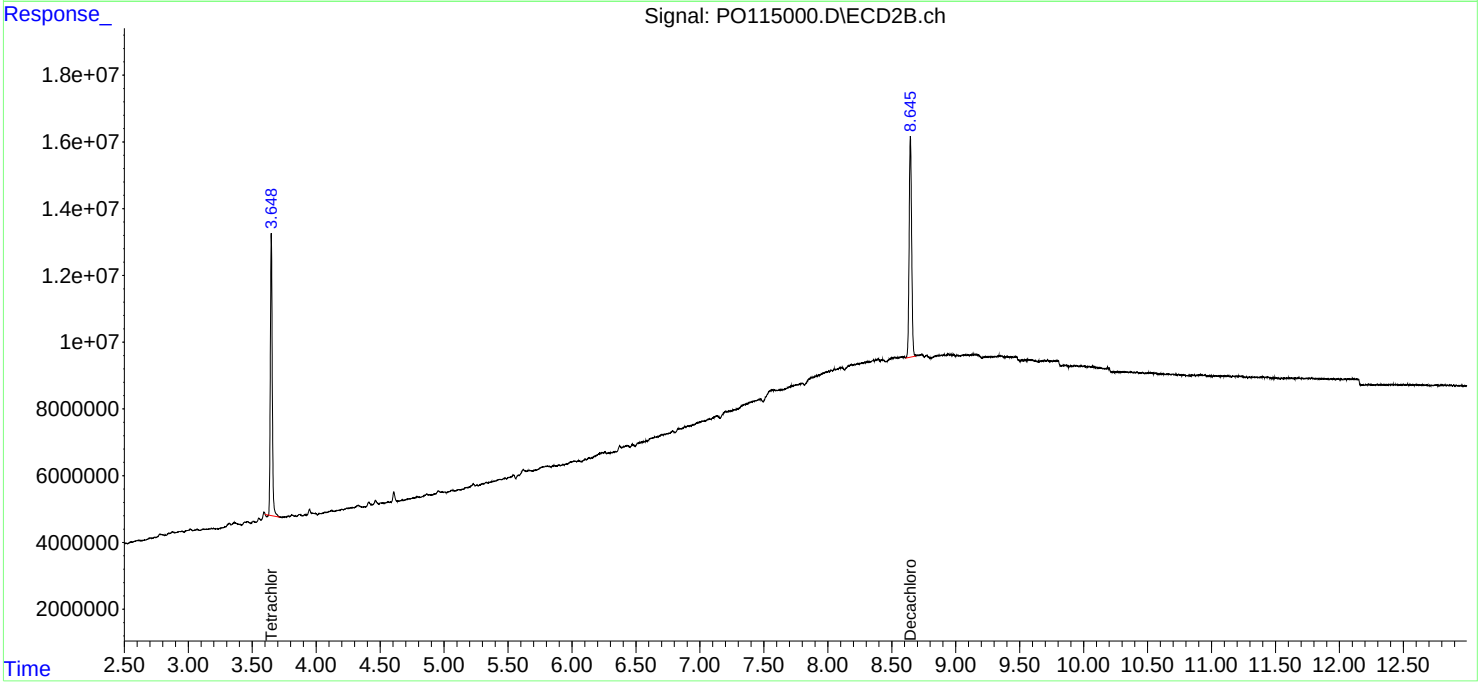
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111125\
Data File : PO115000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 11:50
Operator : YP/AJ
Sample : PB170475BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

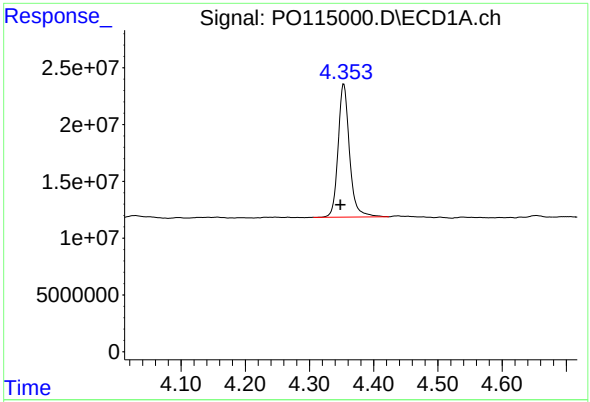
**Instrument :**
ECD_O
**ClientSampleId :**
PB170475BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 13:02:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 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



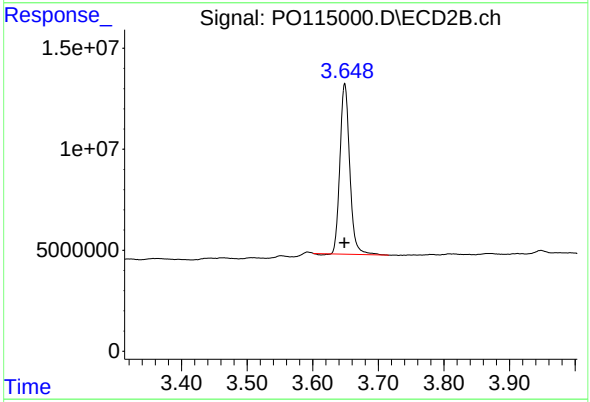






#1 Tetrachloro-m-xylene

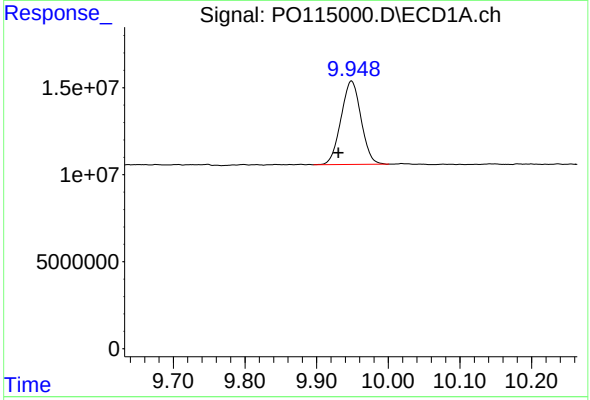
R.T.: 4.353 min
Delta R.T.: 0.005 min
Response: 144687857
Conc: 20.56 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
PB170475BL



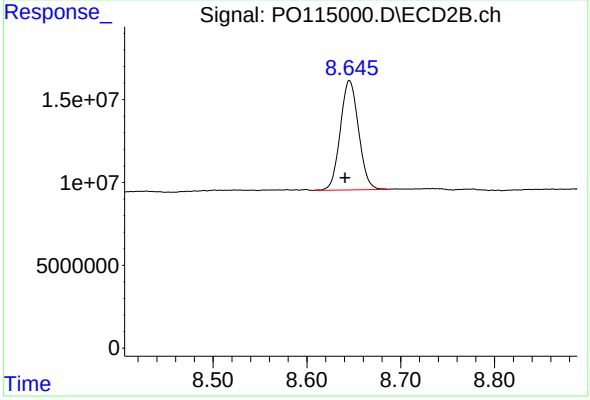

#1 Tetrachloro-m-xylene

R.T.: 3.649 min
Delta R.T.: 0.000 min
Response: 87526237
Conc: 19.59 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.949 min
Delta R.T.: 0.019 min
Response: 93009387
Conc: 21.04 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.645 min
Delta R.T.: 0.005 min
Response: 89337150
Conc: 22.88 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111125\
Data File : PO115001.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 12:09
Operator : YP/AJ
Sample : PB170475BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
PB170475BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 13:02:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 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... | 4.348 | 3.648 | 154.6E6 | 91507548 | 21.973 | 20.486 |
| 2) | SA Decachlor... | 9.937 | 8.642 | 96223751 | 91099181 | 21.769 | 23.336 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.488 | 4.727 | 110.3E6 | 83922054 | 448.527 | 441.102 |
| 4) | L1 AR-1016-2 | 5.509 | 4.746 | 176.8E6 | 118.2E6 | 445.353 | 436.493 |
| 5) | L1 AR-1016-3 | 5.571 | 4.921 | 102.2E6 | 65054491 | 458.273 | 439.637 |
| 6) | L1 AR-1016-4 | 5.667 | 4.963 | 84436674 | 50315574 | 447.050 | 428.517 |
| 7) | L1 AR-1016-5 | 5.959 | 5.175 | 75299210 | 64381320 | 422.561 | 421.582 |
| 31) | L7 AR-1260-1 | 7.073 | 6.206 | 134.7E6 | 128.3E6 | 440.724 | 433.431 |
| 32) | L7 AR-1260-2 | 7.327 | 6.393 | 188.8E6 | 185.1E6 | 476.987 | 430.535 |
| 33) | L7 AR-1260-3 | 7.685 | 6.546 | 127.4E6 | 157.4E6 | 383.946 | 448.304 |
| 34) | L7 AR-1260-4 | 7.906 | 7.018 | 124.9E6 | 116.8E6 | 409.512 | 385.357 |
| 35) | L7 AR-1260-5 | 8.213 | 7.257 | 278.4E6 | 318.4E6 | 390.391 | 387.490 |

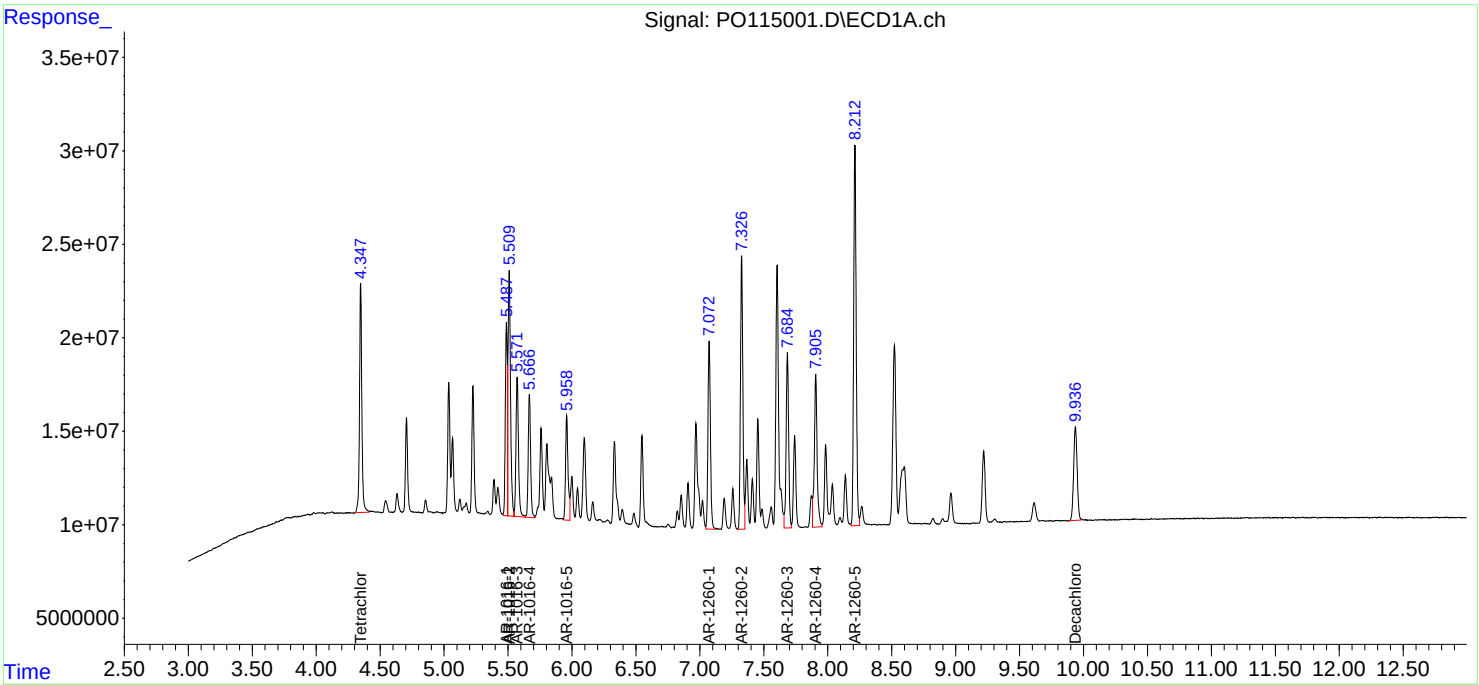
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

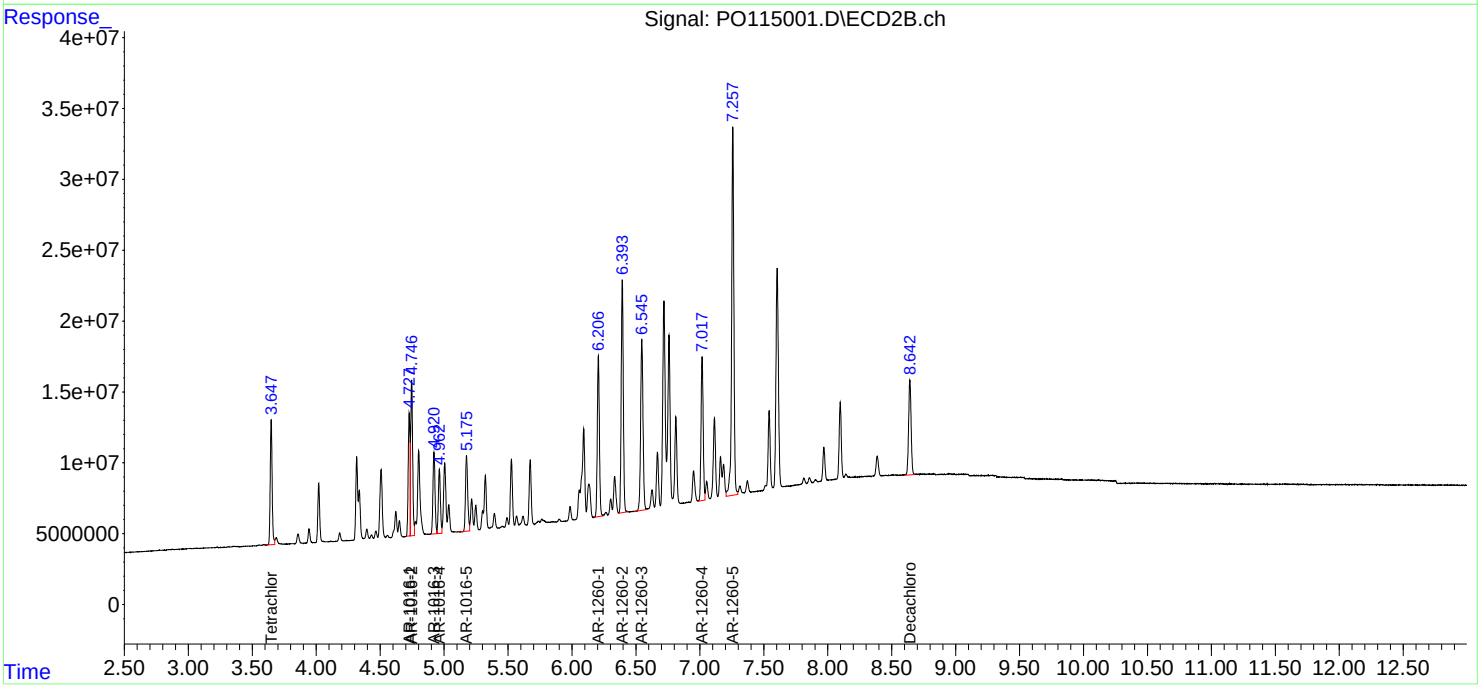
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111125\
Data File : PO115001.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 12:09
Operator : YP/AJ
Sample : PB170475BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
PB170475BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 13:02:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111125\
Data File : PO115003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 12:45
Operator : YP/AJ
Sample : Q3586-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
SED-1MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 14:48:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 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... | 4.348 | 3.648 | 124.1E6 | 73655017 | 17.627 | 16.490 |
| 2) | SA Decachlor... | 9.937 | 8.642 | 52976056 | 50605668 | 11.985 | 12.963 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.488 | 4.727 | 97231048 | 72550242 | 395.216 | 381.331 |
| 4) | L1 AR-1016-2 | 5.509 | 4.746 | 152.3E6 | 103.7E6 | 383.592 | 383.013 |
| 5) | L1 AR-1016-3 | 5.572 | 4.921 | 86848876 | 56604831 | 389.455 | 382.534 |
| 6) | L1 AR-1016-4 | 5.667 | 4.963 | 74088361 | 43806099 | 392.261 | 373.079 |
| 7) | L1 AR-1016-5 | 5.959 | 5.175 | 66903548 | 56570108 | 375.447 | 370.433 |
| 31) | L7 AR-1260-1 | 7.073 | 6.206 | 108.0E6 | 104.3E6 | 353.416 | 352.335 |
| 32) | L7 AR-1260-2 | 7.327 | 6.394 | 142.5E6 | 149.0E6 | 359.837 | 346.548 |
| 33) | L7 AR-1260-3 | 7.685 | 6.546 | 98000528 | 121.4E6 | 295.344 | 345.722 |
| 34) | L7 AR-1260-4 | 7.907 | 7.018 | 97384649 | 90890646 | 319.273 | 299.941 |
| 35) | L7 AR-1260-5 | 8.213 | 7.259 | 216.1E6 | 241.5E6 | 303.044 | 293.974 |

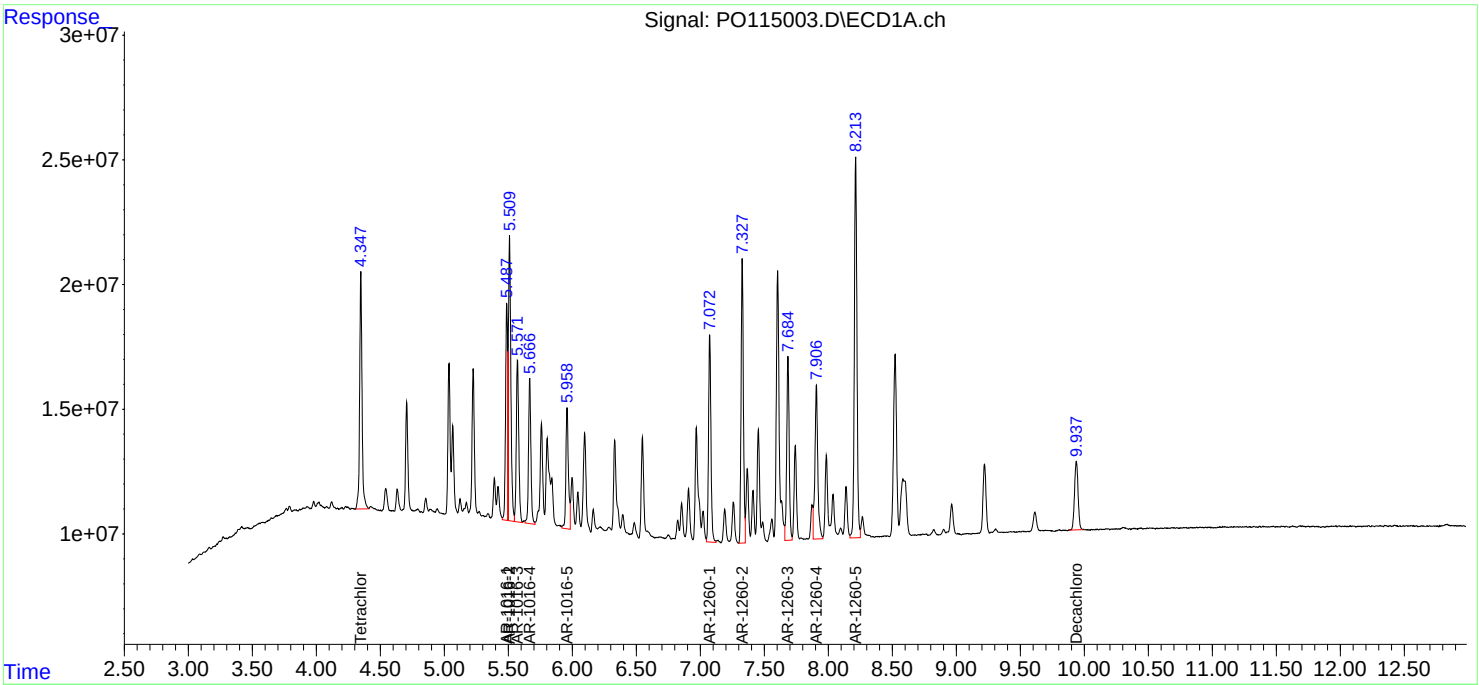
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

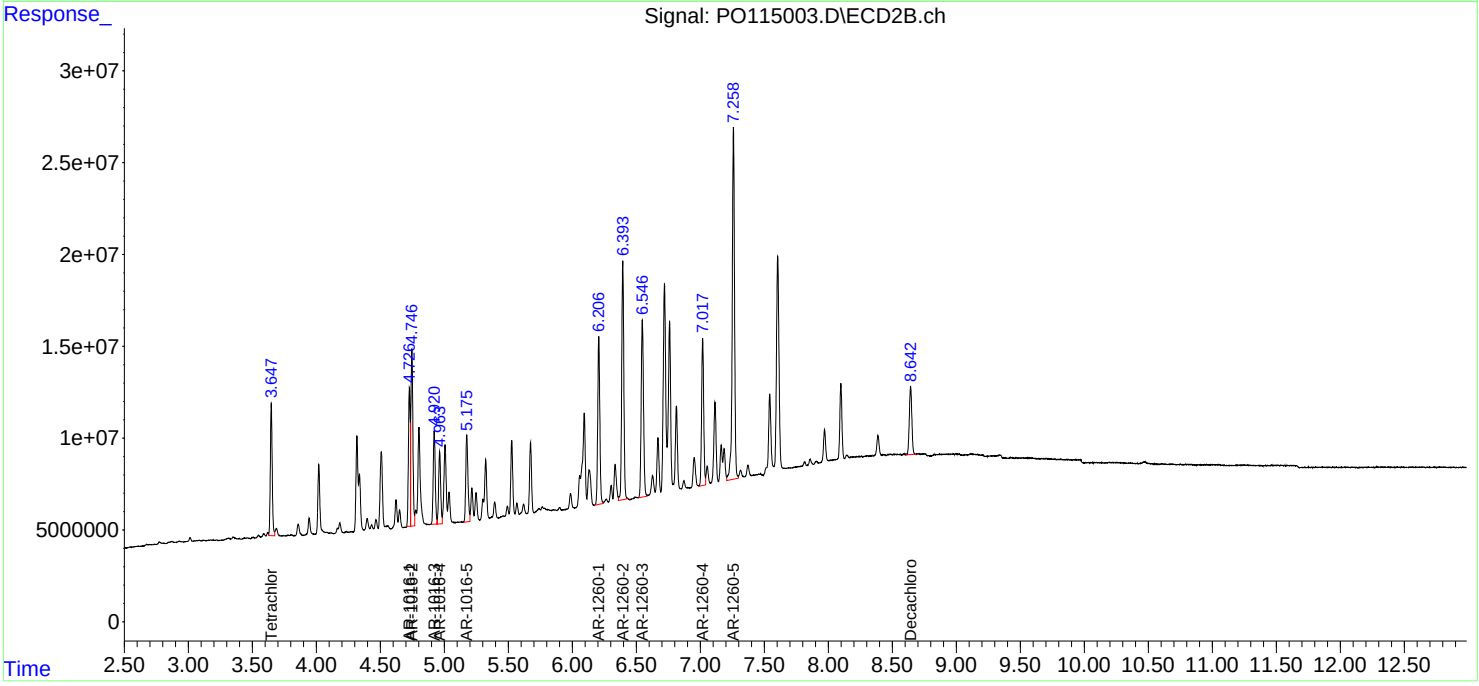
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111125\
Data File : PO115003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 12:45
Operator : YP/AJ
Sample : Q3586-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
SED-1MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 14:48:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 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



Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111125\
Data File : PO115004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 13:04
Operator : YP/AJ
Sample : Q3586-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
SED-1MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 14:48:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 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... | 4.349 | 3.649 | 131.1E6 | 80243765 | 18.624 | 17.965 |
| 2) | SA Decachlor... | 9.935 | 8.643 | 56662301 | 56508351 | 12.819 | 14.475 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.488 | 4.728 | 102.3E6 | 78990138 | 415.919 | 415.179 |
| 4) | L1 AR-1016-2 | 5.510 | 4.747 | 163.2E6 | 112.4E6 | 410.903 | 415.098 |
| 5) | L1 AR-1016-3 | 5.572 | 4.921 | 93282345 | 61994918 | 418.305 | 418.961 |
| 6) | L1 AR-1016-4 | 5.667 | 4.964 | 80279158 | 47459389 | 425.038 | 404.192 |
| 7) | L1 AR-1016-5 | 5.959 | 5.176 | 71595260 | 61413921 | 401.776 | 402.151 |
| 31) | L7 AR-1260-1 | 7.073 | 6.206 | 115.2E6 | 113.5E6 | 376.882 | 383.346 |
| 32) | L7 AR-1260-2 | 7.327 | 6.394 | 155.2E6 | 158.2E6 | 391.981 | 367.927 |
| 33) | L7 AR-1260-3 | 7.685 | 6.546 | 106.3E6 | 131.6E6 | 320.225 | 374.788 |
| 34) | L7 AR-1260-4 | 7.906 | 7.018 | 106.2E6 | 98958180 | 348.074 | 326.564 |
| 35) | L7 AR-1260-5 | 8.213 | 7.259 | 232.0E6 | 263.3E6 | 325.251 | 320.451 |

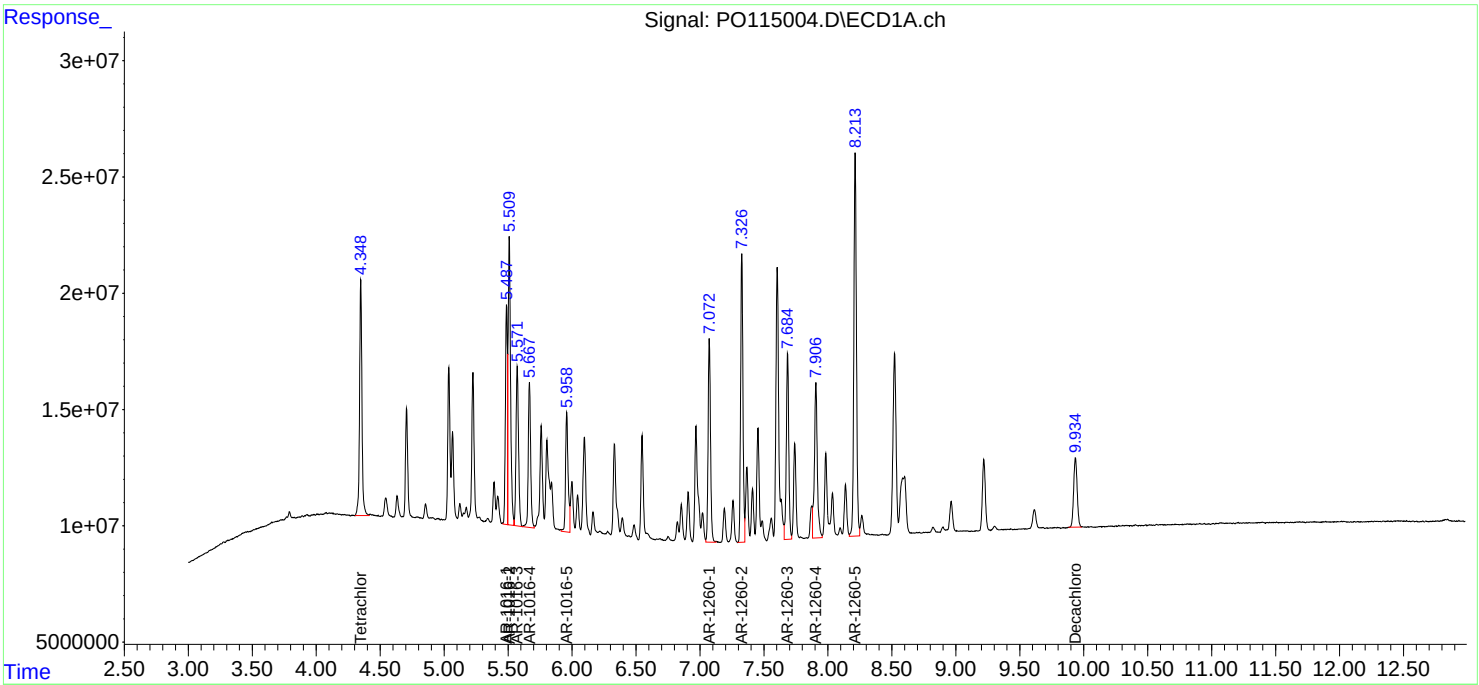
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

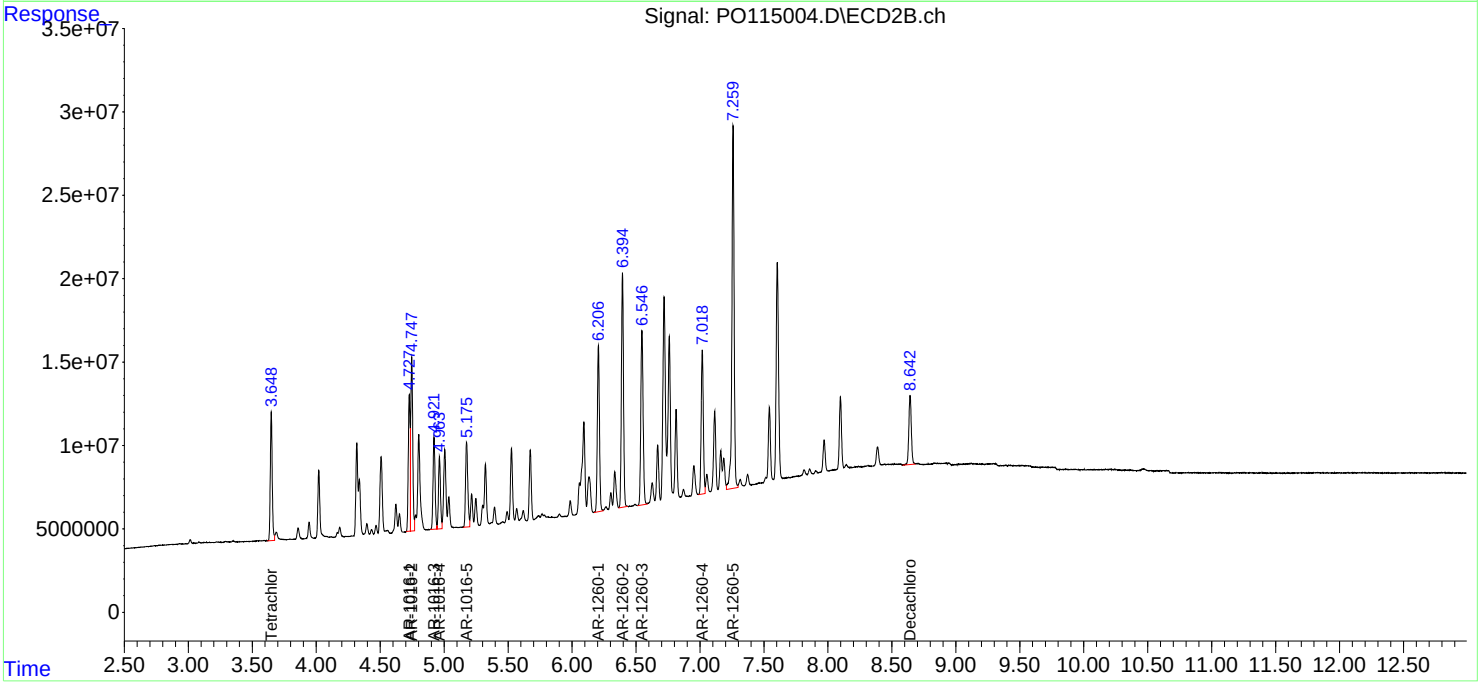
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111125\
Data File : PO115004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2025 13:04
Operator : YP/AJ
Sample : Q3586-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
SED-1MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 14:48:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO110425.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Nov 05 06:00:07 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: | po110425 | Instrument | ECD_o |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1660ICC250 | PO114874.D | AR-1260-1 #2 | rahul | 11/5/2025 8:39:44 AM | yogesh | 11/5/2025 10:22:06 | Peak Integrated by Software |
| AR1660ICC250 | PO114874.D | AR-1260-2 #2 | rahul | 11/5/2025 8:39:44 AM | yogesh | 11/5/2025 10:22:06 | Peak Integrated by Software |
| AR1660ICC050 | PO114875.D | AR-1016-3 #2 | rahul | 11/5/2025 8:39:48 AM | yogesh | 11/5/2025 10:22:08 | Peak Integrated by Software |
| AR1660ICC050 | PO114875.D | AR-1016-5 #2 | rahul | 11/5/2025 8:39:48 AM | yogesh | 11/5/2025 10:22:08 | Peak Integrated by Software |
| AR1660ICC050 | PO114875.D | AR-1260-1 | rahul | 11/5/2025 8:39:48 AM | yogesh | 11/5/2025 10:22:08 | Peak Integrated by Software |
| AR1660ICC050 | PO114875.D | AR-1260-1 #2 | rahul | 11/5/2025 8:39:48 AM | yogesh | 11/5/2025 10:22:08 | Peak Integrated by Software |
| AR1660ICC050 | PO114875.D | AR-1260-2 | rahul | 11/5/2025 8:39:48 AM | yogesh | 11/5/2025 10:22:08 | Peak Integrated by Software |
| AR1660ICC050 | PO114875.D | AR-1260-2 #2 | rahul | 11/5/2025 8:39:48 AM | yogesh | 11/5/2025 10:22:08 | Peak Integrated by Software |
| AR1660ICC050 | PO114875.D | AR-1260-3 | rahul | 11/5/2025 8:39:48 AM | yogesh | 11/5/2025 10:22:08 | Peak Integrated by Software |
| AR1660ICC050 | PO114875.D | AR-1260-4 | rahul | 11/5/2025 8:39:48 AM | yogesh | 11/5/2025 10:22:08 | Peak Integrated by Software |
| AR1242ICC050 | PO114882.D | AR-1242-5 #2 | rahul | 11/5/2025 8:39:51 AM | yogesh | 11/5/2025 10:22:11 | Peak Integrated by Software |
| AR1254ICC050 | PO114892.D | AR-1254-1 | rahul | 11/5/2025 8:40:06 AM | yogesh | 11/5/2025 10:22:11 | Peak Integrated by Software |
| AR1254ICC050 | PO114892.D | AR-1254-2 | rahul | 11/5/2025 8:40:06 AM | yogesh | 11/5/2025 10:22:11 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | po110425 | Instrument | ECD_o |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1254ICC050 | PO114892.D | AR-1254-4 | rahul | 11/5/2025 8:40:06 AM | yogesh | 11/5/2025 10:22:11 | Peak Integrated by Software |
| AR1254ICC050 | PO114892.D | Decachlorobiphenyl | rahul | 11/5/2025 8:40:06 AM | yogesh | 11/5/2025 10:22:11 | Peak Integrated by Software |
| AR1268ICC250 | PO114897.D | AR-1268-1 #2 | rahul | 11/5/2025 8:40:09 AM | yogesh | 11/5/2025 10:22:13 | Peak Integrated by Software |
| AR1242ICV500 | PO114900.D | AR-1242-1 | rahul | 11/5/2025 8:40:12 AM | yogesh | 11/5/2025 10:22:14 | Peak Integrated by Software |
| AR1242ICV500 | PO114900.D | AR-1242-2 | rahul | 11/5/2025 8:40:12 AM | yogesh | 11/5/2025 10:22:14 | Peak Integrated by Software |
| AR1242ICV500 | PO114900.D | AR-1242-3 | rahul | 11/5/2025 8:40:12 AM | yogesh | 11/5/2025 10:22:14 | Peak Integrated by Software |
| AR1242ICV500 | PO114900.D | AR-1242-4 | rahul | 11/5/2025 8:40:12 AM | yogesh | 11/5/2025 10:22:14 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | po111125 | Instrument | ECD_o |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1242CCC500 | PO115026.D | AR-1242-1 | rahul | 11/12/2025 8:55:09 AM | yogesh | 11/12/2025 9:45:09 | Peak Integrated by Software |
| AR1242CCC500 | PO115026.D | AR-1242-2 | rahul | 11/12/2025 8:55:09 AM | yogesh | 11/12/2025 9:45:09 | Peak Integrated by Software |
| AR1242CCC500 | PO115026.D | AR-1242-3 | rahul | 11/12/2025 8:55:09 AM | yogesh | 11/12/2025 9:45:09 | Peak Integrated by Software |
| AR1242CCC500 | PO115026.D | AR-1242-4 | rahul | 11/12/2025 8:55:09 AM | yogesh | 11/12/2025 9:45:09 | Peak Integrated by Software |

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Fax : 908 789 8922



**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO110425

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 11/4/2025 12:15:43 PM | | |
| Supervise By | rahul | Supervise On | 11/5/2025 8:40:26 AM | | |
| SubDirectory | PO110425 | HP Acquire Method | | HP Processing Method | PO110425 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PO114869.D | 04 Nov 2025 09:03 | YP/AJ | Ok |
| 2 | I.BLK | PO114870.D | 04 Nov 2025 09:21 | YP/AJ | Ok |
| 3 | AR1660ICC1000 | PO114871.D | 04 Nov 2025 09:39 | YP/AJ | Ok |
| 4 | AR1660ICC750 | PO114872.D | 04 Nov 2025 09:58 | YP/AJ | Ok |
| 5 | AR1660ICC500 | PO114873.D | 04 Nov 2025 10:16 | YP/AJ | Ok |
| 6 | AR1660ICC250 | PO114874.D | 04 Nov 2025 10:34 | YP/AJ | Ok,M |
| 7 | AR1660ICC050 | PO114875.D | 04 Nov 2025 10:53 | YP/AJ | Ok,M |
| 8 | AR1221ICC500 | PO114876.D | 04 Nov 2025 11:11 | YP/AJ | Ok |
| 9 | AR1232ICC500 | PO114877.D | 04 Nov 2025 11:30 | YP/AJ | Ok |
| 10 | AR1242ICC1000 | PO114878.D | 04 Nov 2025 11:48 | YP/AJ | Ok |
| 11 | AR1242ICC750 | PO114879.D | 04 Nov 2025 12:06 | YP/AJ | Ok |
| 12 | AR1242ICC500 | PO114880.D | 04 Nov 2025 12:25 | YP/AJ | Ok |
| 13 | AR1242ICC250 | PO114881.D | 04 Nov 2025 12:42 | YP/AJ | Ok |
| 14 | AR1242ICC050 | PO114882.D | 04 Nov 2025 13:00 | YP/AJ | Ok,M |
| 15 | AR1248ICC1000 | PO114883.D | 04 Nov 2025 13:19 | YP/AJ | Ok |
| 16 | AR1248ICC750 | PO114884.D | 04 Nov 2025 13:37 | YP/AJ | Ok |
| 17 | AR1248ICC500 | PO114885.D | 04 Nov 2025 13:56 | YP/AJ | Ok |
| 18 | AR1248ICC250 | PO114886.D | 04 Nov 2025 14:14 | YP/AJ | Ok |
| 19 | AR1248ICC050 | PO114887.D | 04 Nov 2025 14:33 | YP/AJ | Ok |
| 20 | AR1254ICC1000 | PO114888.D | 04 Nov 2025 14:51 | YP/AJ | Ok |
| 21 | AR1254ICC750 | PO114889.D | 04 Nov 2025 15:09 | YP/AJ | Ok |

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO110425

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 11/4/2025 12:15:43 PM | | |
| Supervise By | rahul | Supervise On | 11/5/2025 8:40:26 AM | | |
| SubDirectory | PO110425 | HP Acquire Method | | HP Processing Method | PO110425 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | AR1254ICC500 | PO114890.D | 04 Nov 2025 15:28 | YP/AJ | Ok |
| 23 | AR1254ICC250 | PO114891.D | 04 Nov 2025 16:04 | YP/AJ | Ok |
| 24 | AR1254ICC050 | PO114892.D | 04 Nov 2025 16:23 | YP/AJ | Ok,M |
| 25 | AR1262ICC500 | PO114893.D | 04 Nov 2025 17:00 | YP/AJ | Ok |
| 26 | AR1268ICC1000 | PO114894.D | 04 Nov 2025 17:18 | YP/AJ | Ok |
| 27 | AR1268ICC750 | PO114895.D | 04 Nov 2025 17:36 | YP/AJ | Ok |
| 28 | AR1268ICC500 | PO114896.D | 04 Nov 2025 17:55 | YP/AJ | Ok |
| 29 | AR1268ICC250 | PO114897.D | 04 Nov 2025 18:13 | YP/AJ | Ok,M |
| 30 | AR1268ICC050 | PO114898.D | 04 Nov 2025 18:31 | YP/AJ | Ok |
| 31 | PO110425ICV500 | PO114899.D | 04 Nov 2025 19:08 | YP/AJ | Ok |
| 32 | AR1242ICV500 | PO114900.D | 04 Nov 2025 20:21 | YP/AJ | Ok,M |
| 33 | AR1248ICV500 | PO114901.D | 04 Nov 2025 20:58 | YP/AJ | Ok |
| 34 | AR1254ICV500 | PO114902.D | 04 Nov 2025 21:35 | YP/AJ | Ok |
| 35 | AR1268ICV500 | PO114903.D | 04 Nov 2025 22:12 | YP/AJ | Ok |
| 36 | DDT ANALOG | PO114904.D | 04 Nov 2025 22:48 | YP/AJ | Ok |

M : Manual Integration

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO111125

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/12/2025 8:55:27 AM | | |
| Supervise By | yogesh | Supervise On | 11/12/2025 9:45:24 AM | | |
| SubDirectory | PO111125 | HP Acquire Method | | HP Processing Method | PO110425 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829 ,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854 |
| CCC | PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PO114994.D | 11 Nov 2025 09:40 | YP/AJ | Ok |
| 2 | AR1660CCC500 | PO114995.D | 11 Nov 2025 09:58 | YP/AJ | Ok |
| 3 | AR1242CCC500 | PO114996.D | 11 Nov 2025 10:23 | YP/AJ | Ok |
| 4 | AR1248CCC500 | PO114997.D | 11 Nov 2025 10:42 | YP/AJ | Ok |
| 5 | AR1254CCC500 | PO114998.D | 11 Nov 2025 11:00 | YP/AJ | Ok |
| 6 | I.BLK | PO114999.D | 11 Nov 2025 11:18 | YP/AJ | Ok |
| 7 | PB170475BL | PO115000.D | 11 Nov 2025 11:50 | YP/AJ | Ok |
| 8 | PB170475BS | PO115001.D | 11 Nov 2025 12:09 | YP/AJ | Ok |
| 9 | Q3586-01 | PO115002.D | 11 Nov 2025 12:27 | YP/AJ | Ok |
| 10 | Q3586-01MS | PO115003.D | 11 Nov 2025 12:45 | YP/AJ | Ok |
| 11 | Q3586-01MSD | PO115004.D | 11 Nov 2025 13:04 | YP/AJ | Ok |
| 12 | Q3586-02 | PO115005.D | 11 Nov 2025 13:22 | YP/AJ | Ok |
| 13 | Q3586-03 | PO115006.D | 11 Nov 2025 13:40 | YP/AJ | Ok |
| 14 | Q3590-01 | PO115007.D | 11 Nov 2025 13:59 | YP/AJ | Ok,M |
| 15 | Q3590-03 | PO115008.D | 11 Nov 2025 14:17 | YP/AJ | Ok |
| 16 | Q3590-05 | PO115009.D | 11 Nov 2025 14:36 | YP/AJ | Ok,M |
| 17 | AR1660CCC500 | PO115010.D | 11 Nov 2025 15:49 | YP/AJ | Ok |
| 18 | AR1242CCC500 | PO115011.D | 11 Nov 2025 16:07 | YP/AJ | Ok |
| 19 | AR1248CCC500 | PO115012.D | 11 Nov 2025 16:26 | YP/AJ | Ok |
| 20 | AR1254CCC500 | PO115013.D | 11 Nov 2025 16:44 | YP/AJ | Ok |
| 21 | I.BLK | PO115014.D | 11 Nov 2025 17:03 | YP/AJ | Ok |

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO111125

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/12/2025 8:55:27 AM | | |
| Supervise By | yogesh | Supervise On | 11/12/2025 9:45:24 AM | | |
| SubDirectory | PO111125 | HP Acquire Method | | HP Processing Method | PO110425 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829 ,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854 |
| CCC | PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | PB170484BL | PO115015.D | 11 Nov 2025 17:21 | YP/AJ | Ok |
| 23 | PB170484BS | PO115016.D | 11 Nov 2025 17:39 | YP/AJ | Ok |
| 24 | PB170484BSD | PO115017.D | 11 Nov 2025 17:58 | YP/AJ | Ok |
| 25 | Q3551-01 | PO115018.D | 11 Nov 2025 18:16 | YP/AJ | Ok |
| 26 | Q3561-01 | PO115019.D | 11 Nov 2025 18:34 | YP/AJ | Dilution |
| 27 | Q3569-01 | PO115020.D | 11 Nov 2025 18:53 | YP/AJ | Ok |
| 28 | Q3569-02 | PO115021.D | 11 Nov 2025 19:11 | YP/AJ | Ok |
| 29 | Q3584-01 | PO115022.D | 11 Nov 2025 19:30 | YP/AJ | Ok |
| 30 | Q3584-02 | PO115023.D | 11 Nov 2025 19:48 | YP/AJ | Ok |
| 31 | Q3595-01 | PO115024.D | 11 Nov 2025 20:05 | YP/AJ | Ok,M |
| 32 | AR1660CCC500 | PO115025.D | 11 Nov 2025 21:19 | YP/AJ | Ok |
| 33 | AR1242CCC500 | PO115026.D | 11 Nov 2025 22:14 | YP/AJ | Ok,M |
| 34 | AR1248CCC500 | PO115027.D | 11 Nov 2025 22:32 | YP/AJ | Ok |
| 35 | AR1254CCC500 | PO115028.D | 11 Nov 2025 22:51 | YP/AJ | Ok |
| 36 | I.BLK | PO115029.D | 11 Nov 2025 23:09 | YP/AJ | Ok |

M : Manual Integration

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO110425

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 11/4/2025 12:15:43 PM | | |
| Supervise By | rahul | Supervise On | 11/5/2025 8:40:26 AM | | |
| SubDirectory | PO110425 | HP Acquire Method | | HP Processing Method | PO110425 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PO114869.D | 04 Nov 2025 09:03 | | YP/AJ | Ok |
| 2 | I.BLK | I.BLK | PO114870.D | 04 Nov 2025 09:21 | | YP/AJ | Ok |
| 3 | AR1660ICC1000 | AR1660ICC1000 | PO114871.D | 04 Nov 2025 09:39 | | YP/AJ | Ok |
| 4 | AR1660ICC750 | AR1660ICC750 | PO114872.D | 04 Nov 2025 09:58 | | YP/AJ | Ok |
| 5 | AR1660ICC500 | AR1660ICC500 | PO114873.D | 04 Nov 2025 10:16 | | YP/AJ | Ok |
| 6 | AR1660ICC250 | AR1660ICC250 | PO114874.D | 04 Nov 2025 10:34 | | YP/AJ | Ok,M |
| 7 | AR1660ICC050 | AR1660ICC050 | PO114875.D | 04 Nov 2025 10:53 | | YP/AJ | Ok,M |
| 8 | AR1221ICC500 | AR1221ICC500 | PO114876.D | 04 Nov 2025 11:11 | | YP/AJ | Ok |
| 9 | AR1232ICC500 | AR1232ICC500 | PO114877.D | 04 Nov 2025 11:30 | | YP/AJ | Ok |
| 10 | AR1242ICC1000 | AR1242ICC1000 | PO114878.D | 04 Nov 2025 11:48 | | YP/AJ | Ok |
| 11 | AR1242ICC750 | AR1242ICC750 | PO114879.D | 04 Nov 2025 12:06 | | YP/AJ | Ok |
| 12 | AR1242ICC500 | AR1242ICC500 | PO114880.D | 04 Nov 2025 12:25 | | YP/AJ | Ok |
| 13 | AR1242ICC250 | AR1242ICC250 | PO114881.D | 04 Nov 2025 12:42 | | YP/AJ | Ok |
| 14 | AR1242ICC050 | AR1242ICC050 | PO114882.D | 04 Nov 2025 13:00 | | YP/AJ | Ok,M |
| 15 | AR1248ICC1000 | AR1248ICC1000 | PO114883.D | 04 Nov 2025 13:19 | | YP/AJ | Ok |
| 16 | AR1248ICC750 | AR1248ICC750 | PO114884.D | 04 Nov 2025 13:37 | | YP/AJ | Ok |
| 17 | AR1248ICC500 | AR1248ICC500 | PO114885.D | 04 Nov 2025 13:56 | | YP/AJ | Ok |
| 18 | AR1248ICC250 | AR1248ICC250 | PO114886.D | 04 Nov 2025 14:14 | | YP/AJ | Ok |

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Fax : 908 789 8922



**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO110425

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 11/4/2025 12:15:43 PM | | |
| Supervise By | rahul | Supervise On | 11/5/2025 8:40:26 AM | | |
| SubDirectory | PO110425 | HP Acquire Method | | HP Processing Method | PO110425 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | AR1248ICC050 | AR1248ICC050 | PO114887.D | 04 Nov 2025 14:33 | | YP/AJ | Ok |
| 20 | AR1254ICC1000 | AR1254ICC1000 | PO114888.D | 04 Nov 2025 14:51 | | YP/AJ | Ok |
| 21 | AR1254ICC750 | AR1254ICC750 | PO114889.D | 04 Nov 2025 15:09 | | YP/AJ | Ok |
| 22 | AR1254ICC500 | AR1254ICC500 | PO114890.D | 04 Nov 2025 15:28 | | YP/AJ | Ok |
| 23 | AR1254ICC250 | AR1254ICC250 | PO114891.D | 04 Nov 2025 16:04 | | YP/AJ | Ok |
| 24 | AR1254ICC050 | AR1254ICC050 | PO114892.D | 04 Nov 2025 16:23 | | YP/AJ | Ok,M |
| 25 | AR1262ICC500 | AR1262ICC500 | PO114893.D | 04 Nov 2025 17:00 | | YP/AJ | Ok |
| 26 | AR1268ICC1000 | AR1268ICC1000 | PO114894.D | 04 Nov 2025 17:18 | | YP/AJ | Ok |
| 27 | AR1268ICC750 | AR1268ICC750 | PO114895.D | 04 Nov 2025 17:36 | | YP/AJ | Ok |
| 28 | AR1268ICC500 | AR1268ICC500 | PO114896.D | 04 Nov 2025 17:55 | | YP/AJ | Ok |
| 29 | AR1268ICC250 | AR1268ICC250 | PO114897.D | 04 Nov 2025 18:13 | | YP/AJ | Ok,M |
| 30 | AR1268ICC050 | AR1268ICC050 | PO114898.D | 04 Nov 2025 18:31 | | YP/AJ | Ok |
| 31 | PO110425ICV500 | ICVPO110425 | PO114899.D | 04 Nov 2025 19:08 | | YP/AJ | Ok |
| 32 | AR1242ICV500 | ICVPO110425AR1242 | PO114900.D | 04 Nov 2025 20:21 | | YP/AJ | Ok,M |
| 33 | AR1248ICV500 | ICVPO110425AR1248 | PO114901.D | 04 Nov 2025 20:58 | | YP/AJ | Ok |
| 34 | AR1254ICV500 | ICVPO110425AR1254 | PO114902.D | 04 Nov 2025 21:35 | | YP/AJ | Ok |
| 35 | AR1268ICV500 | ICVPO110425AR1268 | PO114903.D | 04 Nov 2025 22:12 | | YP/AJ | Ok |
| 36 | DDT ANALOG | DDT ANALOG | PO114904.D | 04 Nov 2025 22:48 | | YP/AJ | Ok |

M : Manual Integration

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO111125

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/12/2025 8:55:27 AM | | |
| Supervise By | yogesh | Supervise On | 11/12/2025 9:45:24 AM | | |
| SubDirectory | PO111125 | HP Acquire Method | | HP Processing Method | PO110425 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854 |
| CCC | PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PO114994.D | 11 Nov 2025 09:40 | | YP/AJ | Ok |
| 2 | AR1660CCC500 | AR1660CCC500 | PO114995.D | 11 Nov 2025 09:58 | | YP/AJ | Ok |
| 3 | AR1242CCC500 | AR1242CCC500 | PO114996.D | 11 Nov 2025 10:23 | | YP/AJ | Ok |
| 4 | AR1248CCC500 | AR1248CCC500 | PO114997.D | 11 Nov 2025 10:42 | | YP/AJ | Ok |
| 5 | AR1254CCC500 | AR1254CCC500 | PO114998.D | 11 Nov 2025 11:00 | | YP/AJ | Ok |
| 6 | I.BLK | I.BLK | PO114999.D | 11 Nov 2025 11:18 | | YP/AJ | Ok |
| 7 | PB170475BL | PB170475BL | PO115000.D | 11 Nov 2025 11:50 | | YP/AJ | Ok |
| 8 | PB170475BS | PB170475BS | PO115001.D | 11 Nov 2025 12:09 | | YP/AJ | Ok |
| 9 | Q3586-01 | SED-1 | PO115002.D | 11 Nov 2025 12:27 | | YP/AJ | Ok |
| 10 | Q3586-01MS | SED-1MS | PO115003.D | 11 Nov 2025 12:45 | | YP/AJ | Ok |
| 11 | Q3586-01MSD | SED-1MSD | PO115004.D | 11 Nov 2025 13:04 | | YP/AJ | Ok |
| 12 | Q3586-02 | SED-2 | PO115005.D | 11 Nov 2025 13:22 | | YP/AJ | Ok |
| 13 | Q3586-03 | SED-3 | PO115006.D | 11 Nov 2025 13:40 | | YP/AJ | Ok |
| 14 | Q3590-01 | MOO-25-0314-0316-C( | PO115007.D | 11 Nov 2025 13:59 | | YP/AJ | Ok,M |
| 15 | Q3590-03 | MOO-25-0317-0318-C( | PO115008.D | 11 Nov 2025 14:17 | | YP/AJ | Ok |
| 16 | Q3590-05 | MOO-25-0319 | PO115009.D | 11 Nov 2025 14:36 | | YP/AJ | Ok,M |
| 17 | AR1660CCC500 | AR1660CCC500 | PO115010.D | 11 Nov 2025 15:49 | | YP/AJ | Ok |
| 18 | AR1242CCC500 | AR1242CCC500 | PO115011.D | 11 Nov 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 # PO111125

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/12/2025 8:55:27 AM | | |
| Supervise By | yogesh | Supervise On | 11/12/2025 9:45:24 AM | | |
| SubDirectory | PO111125 | HP Acquire Method | | HP Processing Method | PO110425 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854 |
| CCC | PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | AR1248CCC500 | AR1248CCC500 | PO115012.D | 11 Nov 2025 16:26 | | YP/AJ | Ok |
| 20 | AR1254CCC500 | AR1254CCC500 | PO115013.D | 11 Nov 2025 16:44 | | YP/AJ | Ok |
| 21 | I.BLK | I.BLK | PO115014.D | 11 Nov 2025 17:03 | | YP/AJ | Ok |
| 22 | PB170484BL | PB170484BL | PO115015.D | 11 Nov 2025 17:21 | | YP/AJ | Ok |
| 23 | PB170484BS | PB170484BS | PO115016.D | 11 Nov 2025 17:39 | | YP/AJ | Ok |
| 24 | PB170484BSD | PB170484BSD | PO115017.D | 11 Nov 2025 17:58 | | YP/AJ | Ok |
| 25 | Q3551-01 | MANHOLE | PO115018.D | 11 Nov 2025 18:16 | | YP/AJ | Ok |
| 26 | Q3561-01 | 1027-A-D | PO115019.D | 11 Nov 2025 18:34 | TCMX high in 2nd column , AR1248 hit , need 2x dilution | YP/AJ | Dilution |
| 27 | Q3569-01 | MW-2 | PO115020.D | 11 Nov 2025 18:53 | | YP/AJ | Ok |
| 28 | Q3569-02 | MW-12 | PO115021.D | 11 Nov 2025 19:11 | | YP/AJ | Ok |
| 29 | Q3584-01 | SW-1 | PO115022.D | 11 Nov 2025 19:30 | | YP/AJ | Ok |
| 30 | Q3584-02 | SW-2 | PO115023.D | 11 Nov 2025 19:48 | | YP/AJ | Ok |
| 31 | Q3595-01 | LAW-25-0176 | PO115024.D | 11 Nov 2025 20:05 | | YP/AJ | Ok,M |
| 32 | AR1660CCC500 | AR1660CCC500 | PO115025.D | 11 Nov 2025 21:19 | | YP/AJ | Ok |
| 33 | AR1242CCC500 | AR1242CCC500 | PO115026.D | 11 Nov 2025 22:14 | | YP/AJ | Ok,M |
| 34 | AR1248CCC500 | AR1248CCC500 | PO115027.D | 11 Nov 2025 22:32 | | YP/AJ | Ok |
| 35 | AR1254CCC500 | AR1254CCC500 | PO115028.D | 11 Nov 2025 22:51 | | YP/AJ | Ok |
| 36 | I.BLK | I.BLK | PO115029.D | 11 Nov 2025 23:09 | | YP/AJ | Ok |

M : Manual Integration

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**EXTRACTION LOGPAGE**

PB170475

| | | | | | |
|---|---|---|---|---|---|
| **SOP ID:** | M3541-ASE Extraction-15 | | | | |
| **Clean Up SOP #:** | Acid Cleanup | | | **Extraction Start Date :** | 11/11/2025 |
| **Matrix :** | Solid | | | **Extraction Start Time :** | 08:20 |
| **Weigh By:** | EH | **Extraction By:** | RJ | **Extraction End Date :** | 11/11/2025 |
| **Balance check:** | EH | **Filter By:** | RJ | **Extraction End Time :** | 11:35 |
| **Balance ID:** | EX-SC-2 | **pH Meter ID:** | N/A | **Concentration By:** | EH |
| **pH Strip Lot#:** | N/A | **Hood ID:** | 3,7 | **Supervisor By :** | RUPESH |

**Extraction Method:** ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

| Standared Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---|---|---|---|
| Spike Sol 1 | 1.0ML | 5000 PPB | PP24930 |
| 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 | EP2660 |
| Baked Na2SO4 | N/A | EP2655 |
| Hexane | N/A | E3981 |
| H2SO4 1:1 | N/A | EP2657 |
| Sand | N/A | E3951 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| 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. Q3590-01,03,05 used Limited volume as sample is Oily Debris+Small Particles.

| | | | |
|---|---|---|---|
| **KD Bath ID:** | N/A | **Envap ID:** | N-EVAP-02 |
| **KD Bath Temperature:** | N/A | **Envap Temperature:** | 40 °C |

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 11/11/25 | RS (Ext Lab) | Y.P.Pegtap 63. |
| 11:40 | **Preparation Group** | **Analysis Group** |

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**EXTRACTION LOGPAGE**

**PrepBatch ID : PB170475**

**Analytical Method:** M3541-ASE Extraction-15

**Concentration Date:** 11/11/2025

| Sample ID | Client Sample ID | Test | g / mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB170475BL | ABLK475 | PCB | 30.01 | N/A | ritesh | Evelyn | 10 | | | U1-1 |
| PB170475BS | ALCS475 | PCB | 30.03 | N/A | ritesh | Evelyn | 10 | | | 2 |
| Q3581-01 | VNJ-238 | PCB | 30.06 | N/A | ritesh | Evelyn | 10 | F | | 3 |
| Q3581-03 | VNJ-245 | PCB | 30.09 | N/A | ritesh | Evelyn | 10 | F | | 4 |
| Q3581-05 | VNJ-240 | PCB | 30.08 | N/A | ritesh | Evelyn | 10 | F | | 5 |
| Q3581-07 | RBR200059 | PCB | 30.04 | N/A | ritesh | Evelyn | 10 | F | | 6 |
| Q3582-04 | RT4912 | PCB | 30.05 | N/A | ritesh | Evelyn | 10 | F | | U2-1 |
| Q3583-04 | CHRT27080 | PCB | 30.02 | N/A | ritesh | Evelyn | 10 | E | Sludge | 2 |
| Q3586-01 | SED-1 | PCB | 30.03 | N/A | ritesh | Evelyn | 10 | H | | 3 |
| Q3586-01MS | SED-1MS | PCB | 30.06 | N/A | ritesh | Evelyn | 10 | H | | 4 |
| Q3586-01MSD | SED-1MSD | PCB | 30.09 | N/A | ritesh | Evelyn | 10 | H | | 5 |
| Q3586-02 | SED-2 | PCB | 30.05 | N/A | ritesh | Evelyn | 10 | H | | 6 |
| Q3586-03 | SED-3 | PCB | 30.03 | N/A | ritesh | Evelyn | 10 | H | | U3-1 |
| Q3587-01 | NB-08-110725 | PCB | 30.04 | N/A | ritesh | Evelyn | 10 | E | | 2 |
| Q3588-01 | TR-06-11072025 | PCB | 30.02 | N/A | ritesh | Evelyn | 10 | E | | 3 |
| Q3588-03 | TR-01-11072025 | PCB | 30.03 | N/A | ritesh | Evelyn | 10 | E | | 4 |
| Q3590-01 | MOO-25-0314-0316-COMP | PCB | 5.02 | N/A | ritesh | Evelyn | 10 | F | Oily Debris + Soil | 5 |
| Q3590-03 | MOO-25-0317-0318-COMP | PCB | 5.06 | N/A | ritesh | Evelyn | 10 | E | Oily Debris + Small Particles | 6 |
| Q3590-05 | MOO-25-0319-COMP | PCB | 5.03 | N/A | ritesh | Evelyn | 10 | E | Oily Debris | U4-1 |
| Q3592-01 | 11625 | PCB | 30.01 | N/A | ritesh | Evelyn | 10 | E | Concrete | 2 |
| Q3593-04 | A-LAW-25-0167-0175-COMP | PCB | 30.05 | N/A | ritesh | Evelyn | 10 | E | | 3 |
| Q3593-06 | B-LAW-25-0167-0175-COMP | PCB | 30.07 | N/A | ritesh | Evelyn | 10 | E | | 4 |
| Q3593-08 | C-LAW-25-0167-0175-COMP | PCB | 30.04 | N/A | ritesh | Evelyn | 10 | E | | 5 |
| Q3593-10 | D-LAW-25-0156-0166-COMP | PCB | 30.02 | N/A | ritesh | Evelyn | 10 | E | | 6 |

RJ 11/11

* **Extracts relinquished on the same date as received.**

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** Q3581 **WorkList ID :** 193028 **Department :** Extraction **Date :** 11-11-2025 08:13:48

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q3581-01 | VNJ-238 | Solid | PCB | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8082A |
| Q3581-03 | VNJ-245 | Solid | PCB | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8082A |
| Q3581-05 | VNJ-240 | Solid | PCB | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8082A |
| Q3581-07 | RBR200059 | Solid | PCB | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8082A |
| Q3582-04 | RT4912 | Solid | PCB | Cool 4 deg C | PSEG03 | D31 | 11/07/2025 | 8082A |
| Q3583-04 | CHRT27080 | Solid | PCB | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8082A |
| Q3586-01 | SED-1 | Solid | PCB | Cool 4 deg C | REMI02 | D31 | 11/06/2025 | 8082A |
| Q3586-02 | SED-2 | Solid | PCB | Cool 4 deg C | REMI02 | D31 | 11/06/2025 | 8082A |
| Q3586-03 | SED-3 | Solid | PCB | Cool 4 deg C | REMI02 | D31 | 11/06/2025 | 8082A |
| Q3587-01 | NB-08-110725 | Solid | PCB | Cool 4 deg C | PSEG05 | D41 | 11/07/2025 | 8082A |
| Q3588-01 | TR-06-11072025 | Solid | PCB | Cool 4 deg C | PSEG05 | D41 | 11/07/2025 | 8082A |
| Q3588-03 | TR-01-11072025 | Solid | PCB | Cool 4 deg C | PSEG05 | D41 | 11/07/2025 | 8082A |
| Q3590-01 | MOO-25-0314-0316-COMP | Solid | PCB | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8082A |
| Q3590-03 | MOO-25-0317-0318-COMP | Solid | PCB | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8082A |
| Q3590-05 | MOO-25-0319-COMP | Solid | PCB | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8082A |
| Q3592-01 | 11625 | Solid | PCB | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8082A |
| Q3593-04 | A-LAW-25-0167-0175-COMP | Solid | PCB | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8082A |
| Q3593-06 | B-LAW-25-0167-0175-COMP | Solid | PCB | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8082A |
| Q3593-08 | C-LAW-25-0167-0175-COMP | Solid | PCB | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8082A |
| Q3593-10 | D-LAW-25-0156-0166-COMP | Solid | PCB | Cool 4 deg C | PSEG03 | D41 | 11/07/2025 | 8082A |

**Date/Time** 11/11/25 8:15
**Raw Sample Received by:** RJ (ATech)
**Raw Sample Relinquished by:** SRM

**Date/Time** 11/11/25 8:52
**Raw Sample Received by:** SRM
**Raw Sample Relinquished by:** RJ (ATech)

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q3586 | **OrderDate:** | 11/7/2025 3:20:00 PM |
| **Client:** | Remington & Vernick Engineers | **Project:** | Edison Landfill |
| **Contact:** | Kyle Carlson | **Location:** | D31 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q3586-01** | **SED-1** | **SOIL** | | | **11/06/25** | | | **11/07/25** |
| | | | PCB | 8082A | | 11/11/25 | 11/11/25 | |
| **Q3586-02** | **SED-2** | **SOIL** | | | **11/06/25** | | | **11/07/25** |
| | | | PCB | 8082A | | 11/11/25 | 11/11/25 | |
| **Q3586-03** | **SED-3** | **SOIL** | | | **11/06/25** | | | **11/07/25** |
| | | | PCB | 8082A | | 11/11/25 | 11/11/25 | |

# SAMPLE DATA

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-1 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-01 | Matrix: | Solid |
| Analytical Method: | NJEPH | % Solid: | 62.9 |
| Sample Wt/Vol: | 30.04 g | Final Vol: 2000 uL | Test: EPH |
| Prep Method : | | Prep Date : 11/17/25 | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Datafile | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | | |
| Aliphatic C9-C12 | Aliphatic C9-C12 | 0.26 | J | 1 | 0.22 | 1.59 | mg/kg | FG016929.D | 11/17/25 18:02 | PB170577 |
| Aliphatic C12-C16 | Aliphatic C12-C16 | 0.34 | J | 1 | 0.18 | 1.06 | mg/kg | FG016929.D | 11/17/25 18:02 | PB170577 |
| Aliphatic C16-C21 | Aliphatic C16-C21 | 0.25 | J | 1 | 0.21 | 1.59 | mg/kg | FG016929.D | 11/17/25 18:02 | PB170577 |
| Aliphatic C21-C28 | Aliphatic C21-C28 | 0.84 | U | 1 | 0.84 | 2.12 | mg/kg | FG016929.D | 11/17/25 18:02 | PB170577 |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 2.94 | J | 1 | 1.87 | 3.18 | mg/kg | FG016929.D | 11/17/25 18:02 | PB170577 |
| Aromatic C10-C12 | Aromatic C10-C12 | 0.20 | J | 1 | 0.19 | 1.06 | mg/kg | FF016722.D | 11/17/25 18:02 | PB170577 |
| Aromatic C12-C16 | Aromatic C12-C16 | 4.49 | | 1 | 0.37 | 1.59 | mg/kg | FF016722.D | 11/17/25 18:02 | PB170577 |
| Aromatic C16-C21 | Aromatic C16-C21 | 2.15 | J | 1 | 0.64 | 2.65 | mg/kg | FF016722.D | 11/17/25 18:02 | PB170577 |
| Aromatic C21-C36 | Aromatic C21-C36 | 1.89 | U | 1 | 1.89 | 4.23 | mg/kg | FF016722.D | 11/17/25 18:02 | PB170577 |
| Total AliphaticEPH | Total AliphaticEPH | 3.79 | J | | 3.31 | 9.54 | mg/kg | | | |
| Total AromaticEPH | Total AromaticEPH | 6.84 | J | | 3.08 | 9.53 | mg/kg | | | |
| Total EPH | Total EPH | 10.6 | J | | 6.39 | 19.1 | mg/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

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: | Remington & Vernick Engineers | | | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | | | Date Received: | 11/07/25 |
| Client Sample ID: | SED-1 | | | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-01 | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 62.9 |
| Sample Wt/Vol: | 30.04 g | Final Vol: | 2000 uL | Test: | EPH |
| Prep Method : | | Prep Date | 11/17/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| Aromatic C10-C12 | Aromatic C10-C12 | 0.20 | J | 1 | 0.19 | 1.06 | mg/kg | 11/17/25 | PB170577 |
| Aromatic C12-C16 | Aromatic C12-C16 | 4.49 | | 1 | 0.37 | 1.59 | mg/kg | 11/17/25 | PB170577 |
| Aromatic C16-C21 | Aromatic C16-C21 | 2.15 | J | 1 | 0.64 | 2.65 | mg/kg | 11/17/25 | PB170577 |
| Aromatic C21-C36 | Aromatic C21-C36 | 1.89 | U | 1 | 1.89 | 4.23 | mg/kg | 11/17/25 | PB170577 |
| **SURROGATES** | | | | | | | | | |
| 580-13-2 | 2-Bromonaphthalene (SURR) | 45.7 | | | 40 - 140 | 91% | SPK: 50 | | |
| 321-60-8 | 2-Flurobiphenyl (SURR) | 48.5 | | | 40 - 140 | 97% | SPK: 50 | | |
| 84-15-1 | ortho-Terphenyl (SURR) | 39.1 | | | 40 - 140 | 78% | SPK: 50 | | |

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# Quantitation Report For Aromatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q3586-01 | Acq On: | 17 Nov 2025 18:02 |
| Client Sample ID: | SED-1 | Operator: | YP\AJ |
| Data file: | FF016722.D | Misc: | |
| Instrument: | FID_F | ALS Vial: | 76 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aromatic C10-C12 | 4.502 | 6.378 | 246554 | 1.868 | 200 | ug/ml |
| Aromatic C12-C16 | 6.379 | 9.083 | 5728768 | 42.383 | 300 | ug/ml |
| Aromatic C16-C21 | 9.084 | 13.405 | 2711844 | 20.277 | 500 | ug/ml |
| Aromatic C21-C36 | 13.406 | 18.870 | 676517 | 5.749 | 800 | ug/ml |
| Aromatic EPH | 4.502 | 18.870 | 9363683 | 70.277 | | ug/ml |
| ortho-Terphenyl (SURR) | 11.953 | 11.953 | 5739038 | 39.08 | | ug/ml |
| 2-Bromonaphthalene (SURR) | 8.009 | 8.009 | 5178641 | 45.7 | | ug/ml |
| 2-Flurobiphenyl (SURR) | 8.886 | 8.886 | 3463002 | 48.55 | | ug/ml |

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Fax : 908 789 8922



# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Remington & Vernick Engineers | | | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | | | Date Received: | 11/07/25 |
| Client Sample ID: | SED-1 | | | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-01 | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 62.9 |
| Sample Wt/Vol: | 30.04 g | Final Vol: | 2000 uL | Test: | EPH |
| Prep Method : | | Prep Date | 11/17/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| Aliphatic C9-C12 | Aliphatic C9-C12 | 0.26 | J | 1 | 0.22 | 1.59 | mg/kg | 11/17/25 | PB170577 |
| Aliphatic C12-C16 | Aliphatic C12-C16 | 0.34 | J | 1 | 0.18 | 1.06 | mg/kg | 11/17/25 | PB170577 |
| Aliphatic C16-C21 | Aliphatic C16-C21 | 0.25 | J | 1 | 0.21 | 1.59 | mg/kg | 11/17/25 | PB170577 |
| Aliphatic C21-C28 | Aliphatic C21-C28 | 0.84 | U | 1 | 0.84 | 2.12 | mg/kg | 11/17/25 | PB170577 |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 2.94 | J | 1 | 1.87 | 3.18 | mg/kg | 11/17/25 | PB170577 |
| **SURROGATES** | | | | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 42.5 | | | 40 - 140 | 85% | SPK: 50 | | |
| 84-15-1 | ortho-Terphenyl (SURR) | 0.00 | | | 40 - 140 | 0% | SPK: 50 | | |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q3586-01 | Acq On: | 17 Nov 2025 18:02 |
| Client Sample ID: | SED-1 | Operator: | YP\AJ |
| Data file: | FG016929.D | Misc: | |
| Instrument: | FID_G | ALS Vial: | 24 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.260 | 6.901 | 295464 | 2.422 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.902 | 10.358 | 397266 | 3.234 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.359 | 13.749 | 315151 | 2.38 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.750 | 17.436 | 536859 | 3.861 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.437 | 22.460 | 3158969 | 27.76 | 600 | ug/ml |
| Aliphatic EPH | 3.260 | 22.460 | 4703709 | 39.657 | | ug/ml |
| ortho-Terphenyl (SURR) | 0.000 | 0.000 | 0 | 0 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.481 | 13.481 | 5117800 | 42.49 | | ug/ml |
| Aliphatic C9-C28 | 3.260 | 17.436 | 1544740 | 11.897 | 1200 | ug/ml |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-2 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-02 | Matrix: | Solid |
| Analytical Method: | NJEPH | % Solid: | 41.4 |
| Sample Wt/Vol: | 30.08 g | Final Vol: 2000 uL | Test: EPH |
| Prep Method : | | Prep Date : 11/17/25 | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Datafile | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | | |
| Aliphatic C9-C12 | Aliphatic C9-C12 | 0.56 | J | 1 | 0.34 | 2.41 | mg/kg | FG016930.D | 11/17/25 18:31 | PB170577 |
| Aliphatic C12-C16 | Aliphatic C12-C16 | 0.82 | J | 1 | 0.27 | 1.61 | mg/kg | FG016930.D | 11/17/25 18:31 | PB170577 |
| Aliphatic C16-C21 | Aliphatic C16-C21 | 0.99 | J | 1 | 0.31 | 2.41 | mg/kg | FG016930.D | 11/17/25 18:31 | PB170577 |
| Aliphatic C21-C28 | Aliphatic C21-C28 | 1.31 | J | 1 | 1.28 | 3.21 | mg/kg | FG016930.D | 11/17/25 18:31 | PB170577 |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 5.57 | | 1 | 2.84 | 4.82 | mg/kg | FG016930.D | 11/17/25 18:31 | PB170577 |
| Aromatic C10-C12 | Aromatic C10-C12 | 0.43 | J | 1 | 0.29 | 1.61 | mg/kg | FF016723.D | 11/17/25 18:31 | PB170577 |
| Aromatic C12-C16 | Aromatic C12-C16 | 0.99 | J | 1 | 0.55 | 2.41 | mg/kg | FF016723.D | 11/17/25 18:31 | PB170577 |
| Aromatic C16-C21 | Aromatic C16-C21 | 9.51 | | 1 | 0.96 | 4.02 | mg/kg | FF016723.D | 11/17/25 18:31 | PB170577 |
| Aromatic C21-C36 | Aromatic C21-C36 | 2.87 | U | 1 | 2.87 | 6.42 | mg/kg | FF016723.D | 11/17/25 18:31 | PB170577 |
| Total AliphaticEPH | Total AliphaticEPH | 9.25 | J | | 5.04 | 14.5 | mg/kg | | | |
| Total AromaticEPH | Total AromaticEPH | 10.9 | J | | 4.68 | 14.5 | mg/kg | | | |
| Total EPH | Total EPH | 20.2 | J | | 9.71 | 28.9 | mg/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

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: | Remington & Vernick Engineers | | | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | | | Date Received: | 11/07/25 |
| Client Sample ID: | SED-2 | | | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-02 | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 41.4 |
| Sample Wt/Vol: | 30.08 g | Final Vol: | 2000 uL | Test: | EPH |
| Prep Method : | | Prep Date | 11/17/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| Aromatic C10-C12 | Aromatic C10-C12 | 0.43 | J | 1 | 0.29 | 1.61 | mg/kg | 11/17/25 | PB170577 |
| Aromatic C12-C16 | Aromatic C12-C16 | 0.99 | J | 1 | 0.55 | 2.41 | mg/kg | 11/17/25 | PB170577 |
| Aromatic C16-C21 | Aromatic C16-C21 | 9.51 | | 1 | 0.96 | 4.02 | mg/kg | 11/17/25 | PB170577 |
| Aromatic C21-C36 | Aromatic C21-C36 | 2.87 | U | 1 | 2.87 | 6.42 | mg/kg | 11/17/25 | PB170577 |
| **SURROGATES** | | | | | | | | | |
| 580-13-2 | 2-Bromonaphthalene (SURR) | 46.5 | | | 40 - 140 | 93% | SPK: 50 | | |
| 321-60-8 | 2-Flurobiphenyl (SURR) | 49.5 | | | 40 - 140 | 99% | SPK: 50 | | |
| 84-15-1 | ortho-Terphenyl (SURR) | 29.5 | | | 40 - 140 | 59% | SPK: 50 | | |

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# Quantitation Report For Aromatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q3586-02 | Acq On: | 17 Nov 2025 18:31 |
| Client Sample ID: | SED-2 | Operator: | YP\AJ |
| Data file: | FF016723.D | Misc: | |
| Instrument: | FID_F | ALS Vial: | 77 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aromatic C10-C12 | 4.502 | 6.378 | 349642 | 2.65 | 200 | ug/ml |
| Aromatic C12-C16 | 6.379 | 9.083 | 829078 | 6.134 | 300 | ug/ml |
| Aromatic C16-C21 | 9.084 | 13.405 | 7920540 | 59.222 | 500 | ug/ml |
| Aromatic C21-C36 | 13.406 | 18.870 | 1394935 | 11.855 | 800 | ug/ml |
| Aromatic EPH | 4.502 | 18.870 | 10494195 | 79.86 | | ug/ml |
| ortho-Terphenyl (SURR) | 11.952 | 11.952 | 4332904 | 29.51 | | ug/ml |
| 2-Bromonaphthalene (SURR) | 8.010 | 8.010 | 5264631 | 46.46 | | ug/ml |
| 2-Flurobiphenyl (SURR) | 8.885 | 8.885 | 3530106 | 49.5 | | ug/ml |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Remington & Vernick Engineers | | | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | | | Date Received: | 11/07/25 |
| Client Sample ID: | SED-2 | | | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-02 | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 41.4 |
| Sample Wt/Vol: | 30.08 g | Final Vol: | 2000 uL | Test: | EPH |
| Prep Method : | | Prep Date | 11/17/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| Aliphatic C9-C12 | Aliphatic C9-C12 | 0.56 | J | 1 | 0.34 | 2.41 | mg/kg | 11/17/25 | PB170577 |
| Aliphatic C12-C16 | Aliphatic C12-C16 | 0.82 | J | 1 | 0.27 | 1.61 | mg/kg | 11/17/25 | PB170577 |
| Aliphatic C16-C21 | Aliphatic C16-C21 | 0.99 | J | 1 | 0.31 | 2.41 | mg/kg | 11/17/25 | PB170577 |
| Aliphatic C21-C28 | Aliphatic C21-C28 | 1.31 | J | 1 | 1.28 | 3.21 | mg/kg | 11/17/25 | PB170577 |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 5.57 | | 1 | 2.84 | 4.82 | mg/kg | 11/17/25 | PB170577 |
| **SURROGATES** | | | | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 37.1 | | | 40 - 140 | 74% | SPK: 50 | | |
| 84-15-1 | ortho-Terphenyl (SURR) | 0.00 | | | 40 - 140 | 0% | SPK: 50 | | |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q3586-02 | Acq On: | 17 Nov 2025 18:31 |
| Client Sample ID: | SED-2 | Operator: | YP\AJ |
| Data file: | FG016930.D | Misc: | |
| Instrument: | FID_G | ALS Vial: | 25 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.260 | 6.901 | 426808 | 3.498 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.902 | 10.358 | 626107 | 5.096 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.359 | 13.749 | 818695 | 6.184 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.750 | 17.436 | 1133960 | 8.156 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.437 | 22.460 | 3948627 | 34.7 | 600 | ug/ml |
| Aliphatic EPH | 3.260 | 22.460 | 6954197 | 57.634 | | ug/ml |
| ortho-Terphenyl (SURR) | 0.000 | 0.000 | 0 | 0 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.481 | 13.481 | 4466629 | 37.09 | | ug/ml |
| Aliphatic C9-C28 | 3.260 | 17.436 | 3005570 | 22.934 | 1200 | ug/ml |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-3 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03 | Matrix: | Solid |
| Analytical Method: | NJEPH | % Solid: | 50.9 |
| Sample Wt/Vol: | 30.07 g | Final Vol: 2000 uL | Test: EPH |
| Prep Method : | | Prep Date : 11/17/25 | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Datafile | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | | |
| Aliphatic C9-C12 | Aliphatic C9-C12 | 0.38 | J | 1 | 0.27 | 1.96 | mg/kg | FG016958.D | 11/20/25 13:13 | PB170577 |
| Aliphatic C12-C16 | Aliphatic C12-C16 | 0.34 | J | 1 | 0.22 | 1.31 | mg/kg | FG016958.D | 11/20/25 13:13 | PB170577 |
| Aliphatic C16-C21 | Aliphatic C16-C21 | 0.45 | J | 1 | 0.26 | 1.96 | mg/kg | FG016958.D | 11/20/25 13:13 | PB170577 |
| Aliphatic C21-C28 | Aliphatic C21-C28 | 1.28 | J | 1 | 1.04 | 2.61 | mg/kg | FG016958.D | 11/20/25 13:13 | PB170577 |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 4.64 | | 1 | 2.31 | 3.92 | mg/kg | FG016958.D | 11/20/25 13:13 | PB170577 |
| Aromatic C10-C12 | Aromatic C10-C12 | 0.25 | J | 1 | 0.24 | 1.31 | mg/kg | FF016724.D | 11/17/25 19:01 | PB170577 |
| Aromatic C12-C16 | Aromatic C12-C16 | 4.66 | | 1 | 0.45 | 1.96 | mg/kg | FF016724.D | 11/17/25 19:01 | PB170577 |
| Aromatic C16-C21 | Aromatic C16-C21 | 2.53 | J | 1 | 0.78 | 3.27 | mg/kg | FF016724.D | 11/17/25 19:01 | PB170577 |
| Aromatic C21-C36 | Aromatic C21-C36 | 2.33 | U | 1 | 2.33 | 5.23 | mg/kg | FF016724.D | 11/17/25 19:01 | PB170577 |
| Total AliphaticEPH | Total AliphaticEPH | 7.09 | J | | 4.09 | 11.8 | mg/kg | | | |
| Total AromaticEPH | Total AromaticEPH | 7.44 | J | | 3.80 | 11.8 | mg/kg | | | |
| Total EPH | Total EPH | 14.5 | J | | 7.89 | 23.5 | mg/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

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: | Remington & Vernick Engineers | | | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | | | Date Received: | 11/07/25 |
| Client Sample ID: | SED-3 | | | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03 | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 50.9 |
| Sample Wt/Vol: | 30.07 g | Final Vol: | 2000 uL | Test: | EPH |
| Prep Method : | | Prep Date | 11/17/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| Aromatic C10-C12 | Aromatic C10-C12 | 0.25 | J | 1 | 0.24 | 1.31 | mg/kg | 11/17/25 | PB170577 |
| Aromatic C12-C16 | Aromatic C12-C16 | 4.66 | | 1 | 0.45 | 1.96 | mg/kg | 11/17/25 | PB170577 |
| Aromatic C16-C21 | Aromatic C16-C21 | 2.53 | J | 1 | 0.78 | 3.27 | mg/kg | 11/17/25 | PB170577 |
| Aromatic C21-C36 | Aromatic C21-C36 | 2.33 | U | 1 | 2.33 | 5.23 | mg/kg | 11/17/25 | PB170577 |
| **SURROGATES** | | | | | | | | | |
| 580-13-2 | 2-Bromonaphthalene (SURR) | 55.6 | | | 40 - 140 | 111% | SPK: 50 | | |
| 321-60-8 | 2-Flurobiphenyl (SURR) | 59.1 | | | 40 - 140 | 118% | SPK: 50 | | |
| 84-15-1 | ortho-Terphenyl (SURR) | 47.4 | | | 40 - 140 | 95% | SPK: 50 | | |

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# Quantitation Report For Aromatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q3586-03 | Acq On: | 17 Nov 2025 19:01 |
| Client Sample ID: | SED-3 | Operator: | YP\AJ |
| Data file: | FF016724.D | Misc: | |
| Instrument: | FID_F | ALS Vial: | 78 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aromatic C10-C12 | 4.502 | 6.378 | 251867 | 1.909 | 200 | ug/ml |
| Aromatic C12-C16 | 6.379 | 9.083 | 4815581 | 35.627 | 300 | ug/ml |
| Aromatic C16-C21 | 9.084 | 13.405 | 2587692 | 19.348 | 500 | ug/ml |
| Aromatic C21-C36 | 13.406 | 18.870 | 890465 | 7.568 | 800 | ug/ml |
| Aromatic EPH | 4.502 | 18.870 | 8545605 | 64.452 | | ug/ml |
| 2-Bromonaphthalene (SURR) | 8.011 | 8.011 | 6303217 | 55.62 | | ug/ml |
| 2-Flurobiphenyl (SURR) | 8.886 | 8.886 | 4211923 | 59.06 | | ug/ml |
| ortho-Terphenyl (SURR) | 11.954 | 11.954 | 6957013 | 47.37 | | ug/ml |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Remington & Vernick Engineers | | | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | | | Date Received: | 11/07/25 |
| Client Sample ID: | SED-3 | | | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03 | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 50.9 |
| Sample Wt/Vol: | 30.07 g | Final Vol: | 2000 uL | Test: | EPH |
| Prep Method : | | Prep Date | 11/17/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| Aliphatic C9-C12 | Aliphatic C9-C12 | 0.38 | J | 1 | 0.27 | 1.96 | mg/kg | 11/20/25 | PB170577 |
| Aliphatic C12-C16 | Aliphatic C12-C16 | 0.34 | J | 1 | 0.22 | 1.31 | mg/kg | 11/20/25 | PB170577 |
| Aliphatic C16-C21 | Aliphatic C16-C21 | 0.45 | J | 1 | 0.26 | 1.96 | mg/kg | 11/20/25 | PB170577 |
| Aliphatic C21-C28 | Aliphatic C21-C28 | 1.28 | J | 1 | 1.04 | 2.61 | mg/kg | 11/20/25 | PB170577 |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 4.64 | | 1 | 2.31 | 3.92 | mg/kg | 11/20/25 | PB170577 |
| **SURROGATES** | | | | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 69.0 | | | 40 - 140 | 138% | SPK: 50 | | |
| 84-15-1 | ortho-Terphenyl (SURR) | 0.00 | | | 40 - 140 | 0% | SPK: 50 | | |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q3586-03 | Acq On: | 20 Nov 2025 13:13 |
| Client Sample ID: | SED-3 | Operator: | YP\AJ |
| Data file: | FG016958.D | Misc: | |
| Instrument: | FID_G | ALS Vial: | 22 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.258 | 6.899 | 358158 | 2.936 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.900 | 10.356 | 317338 | 2.583 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.357 | 13.743 | 452789 | 3.42 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.744 | 17.429 | 1366892 | 9.831 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.430 | 22.445 | 4037262 | 35.479 | 600 | ug/ml |
| Aliphatic EPH | 3.258 | 22.445 | 6532439 | 54.249 | | ug/ml |
| ortho-Terphenyl (SURR) | 0.000 | 0.000 | 0 | 0 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.483 | 13.483 | 8310854 | 69.01 | | ug/ml |
| Aliphatic C9-C28 | 3.258 | 17.429 | 2495177 | 18.77 | 1200 | ug/ml |

# QC SUMMARY

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## SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3586

Run Number: FF111725AR

| CLIENT SAMPLE NO. | 2-Bromonaphthalene (SURR) | 2-Flurobiphenyl (SURR) | ortho-Terphenyl (SURR) | TOT OUT |
|---|---|---|---|---|
| PB170577BL | 101 | 106 | 80 | 0 |
| PB170577BS | 118 | 119 | 87 | 0 |
| PB170577BSD | 107 | 109 | 79 | 0 |
| SED-1 | 91 | 97 | 78 | 0 |
| SED-2 | 93 | 99 | 59 | 0 |
| SED-3 | 111 | 118 | 95 | 0 |
| SED-3MS | 94 | 100 | 69 | 0 |
| SED-3MSD | 96 | 103 | 71 | 0 |

| | QC LIMITS |
|---|---|
| 2-Bromonaphthalene (SURR) | (40-140) |
| 2-Flurobiphenyl (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: REMI02

Lab Code: ACE SDG No.: Q3586

Run Number: FG111725AL

| CLIENT SAMPLE NO. | 1-chlorooctadecane (SURR) | | | TOT OUT |
|---|---|---|---|---|
| PB170577BS | 49 | | | 0 |
| PB170577BSD | 50 | | | 0 |
| SED-1 | 85 | | | 0 |
| SED-2 | 74 | | | 0 |

| | QC LIMITS |
|---|---|
| 1-chlorooctadecane (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: REMI02

Lab Code: ACE SDG No.: Q3586

Run Number: FG112025AL

| CLIENT SAMPLE NO. | 1-chlorooctadecane (SURR) | | | TOT OUT |
|---|---|---|---|---|
| PB170577BL | 50 | | | 0 |
| SED-3 | 138 | | | 0 |
| SED-3MS | 112 | | | 0 |
| SED-3MSD | 110 | | | 0 |

| | QC LIMITS |
|---|---|
| 1-chlorooctadecane (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 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

**Lab Name:** Alliance **Client:** Remington & Vernick Engineers

**Lab Code:** ACE **SDG No:** Q3586

**Sample No :** Q3586-03MS **Datafile:** FF016726.D **Client ID :** SED-3MS

| COMPOUND | SPIKE ADDED mg/kg | SAMPLE CONCENTRATION mg/kg | MS/MSD CONCENTRATION mg/kg | % REC | Qual | QC LIMITS (%) |
|---|---|---|---|---|---|---|
| Aromatic C10-C12 | 13.1 | 0.25 | 8.12 | 60 | | (40-140) |
| Aromatic C12-C16 | 19.6 | 4.66 | 13.6 | 46 | | (40-140) |
| Aromatic C16-C21 | 32.7 | 2.53 | 27.8 | 77 | | (40-140) |
| Aromatic C21-C36 | 52.3 | 0 | 44.9 | 86 | | (40-140) |

| COMPOUND | SPIKE ADDED mg/kg | SAMPLE CONCENTRATION mg/kg | MS/MSD CONCENTRATION mg/kg | % REC | Qual | QC LIMITS (%) |
|---|---|---|---|---|---|---|
| 1,2,3-Trimethylbenzene (C10.1) | 6.5 | 0.0174 | 3.9777 | 61 | | (40-140) |
| Naphthalene (C11.7) | 6.5 | 0.0256 | 3.8270 | 58 | | (40-140) |
| 2-Methylnaphthalene (C12.89) | 6.5 | 0.0251 | 3.5596 | 54 | | (40-140) |
| Acenaphthylene (C15.06) | 6.5 | 0.0198 | 4.1275 | 63 | | (40-140) |
| Acenaphthene (C15.5) | 6.5 | 0.0000 | 4.2303 | 65 | | (40-140) |
| Flouorene (C16.55) | 6.5 | 0.0116 | 4.6282 | 71 | | (40-140) |
| Phenanthrene (C19.36) | 6.5 | 0.0074 | 4.6796 | 72 | | (40-140) |
| Anthracene (C19.43) | 6.5 | 0.0042 | 4.7788 | 73 | | (40-140) |
| Pyrene (C20.8) | 6.5 | 0.0000 | 4.5427 | 70 | | (40-140) |
| Fluoranthene (C21.85) | 6.5 | 0.0612 | 4.6476 | 71 | | (40-140) |
| Benzo[a]anthracene (C26.37) | 6.5 | 0.0292 | 11.1470 | 171 | * | (40-140) |
| Chrysene (C27.41) | 6.5 | 0.0397 | 8.9965 | 138 | | (40-140) |
| Bnezo[k]fluoranthene (C30.14) | 6.5 | 0.0172 | 9.5714 | 147 | * | (40-140) |
| Dibenz[a,h]anthracene (C30.36) | 6.5 | 0.0631 | 9.1114 | 139 | | (40-140) |
| benzo[b]fluoranthene (C30.41) | 6.5 | 0.0189 | 10.5194 | 162 | * | (40-140) |
| Benzo[a]pyrene (C31.34) | 6.5 | 0.0050 | 5.1313 | 79 | | (40-140) |
| Benzo[g,h,i]perylene (C34.01) | 6.5 | 0.0113 | 5.6971 | 87 | | (40-140) |
| Indeno[1,2,3-cd]pyrene (C35.01) | 6.5 | 0.0966 | 13.9442 | 213 | * | (40-140) |

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## SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

**Lab Name:** Alliance **Client:** Remington & Vernick Engineers

**Lab Code:** ACE **SDG No:** Q3586

**Sample No :** Q3586-03MSD **Datafile:** FF016727.D **Client ID :** SED-3MSD

| COMPOUND | SPIKE ADDED mg/kg | SAMPLE CONCENTRATION mg/kg | MS/MSD CONCENTRATION mg/kg | % REC | Qual | RPD \| QC LIMITS (%) | QC Limit Of RPD |
|---|---|---|---|---|---|---|---|
| Aromatic C10-C12 | 13.1 | 0.25 | 8.32 | 62 | | 2.3 \| (40-140) | 50 |
| Aromatic C12-C16 | 19.6 | 4.66 | 14.0 | 48 | | 4.29 \| (40-140) | 50 |
| Aromatic C16-C21 | 32.7 | 2.53 | 33.7 | 95 | | 20 \| (40-140) | 50 |
| Aromatic C21-C36 | 52.4 | 0 | 46.2 | 88 | | 2.76 \| (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 |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trimethylbenzene (C10.1) | 6.5 | 0.0174 | 4.0914 | 63 | | 3.23 \| (40-140) | 50 |
| Naphthalene (C11.7) | 6.5 | 0.0256 | 3.9334 | 60 | | 3.39 \| (40-140) | 50 |
| 2-Methylnaphthalene (C12.89) | 6.5 | 0.0251 | 3.6731 | 56 | | 3.64 \| (40-140) | 50 |
| Acenaphthylene (C15.06) | 6.5 | 0.0198 | 4.2409 | 65 | | 3.13 \| (40-140) | 50 |
| Acenaphthene (C15.5) | 6.5 | 0.0000 | 4.3457 | 67 | | 3.03 \| (40-140) | 50 |
| Flouorene (C16.55) | 6.5 | 0.0116 | 4.7286 | 73 | | 2.78 \| (40-140) | 50 |
| Phenanthrene (C19.36) | 6.5 | 0.0074 | 4.8057 | 74 | | 2.74 \| (40-140) | 50 |
| Anthracene (C19.43) | 6.5 | 0.0042 | 4.9010 | 75 | | 2.7 \| (40-140) | 50 |
| Pyrene (C20.8) | 6.5 | 0.0000 | 4.6533 | 72 | | 2.82 \| (40-140) | 50 |
| Fluoranthene (C21.85) | 6.5 | 0.0612 | 4.7658 | 72 | | 1.4 \| (40-140) | 50 |
| Benzo[a]anthracene (C26.37) | 6.5 | 0.0292 | 11.4626 | 176 | * | 2.88 \| (40-140) | 50 |
| Chrysene (C27.41) | 6.5 | 0.0397 | 9.2512 | 142 | * | 2.86 \| (40-140) | 50 |
| Bnezo[k]fluoranthene (C30.14) | 6.5 | 0.0172 | 9.8341 | 151 | * | 2.68 \| (40-140) | 50 |
| Dibenz[a,h]anthracene (C30.36) | 6.5 | 0.0631 | 9.3972 | 144 | * | 3.53 \| (40-140) | 50 |
| benzo[b]fluoranthene (C30.41) | 6.5 | 0.0189 | 10.8082 | 166 | * | 2.44 \| (40-140) | 50 |
| Benzo[a]pyrene (C31.34) | 6.5 | 0.0050 | 5.2704 | 81 | | 2.5 \| (40-140) | 50 |
| Benzo[g,h,i]perylene (C34.01) | 6.5 | 0.0113 | 5.8548 | 90 | | 3.39 \| (40-140) | 50 |
| Indeno[1,2,3-cd]pyrene (C35.01) | 6.5 | 0.0966 | 14.3815 | 220 | * | 3.23 \| (40-140) | 50 |

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## SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

**Lab Name:** Alliance **Client:** Remington & Vernick Engineers

**Lab Code:** ACE **SDG No:** Q3586

**Sample No :** Q3586-03MS **Datafile:** FG016960.D **Client ID :** SED-3MS

| COMPOUND | SPIKE ADDED mg/kg | SAMPLE CONCENTRATION mg/kg | MS/MSD CONCENTRATION mg/kg | % REC | Qual | QC LIMITS (%) |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 19.6 | 0.38 | 9.59 | 47 | | (40-140) |
| Aliphatic C12-C16 | 13.1 | 0.34 | 8.55 | 63 | | (40-140) |
| Aliphatic C16-C21 | 19.6 | 0.45 | 13.9 | 68 | | (40-140) |
| Aliphatic C21-C28 | 26.2 | 1.28 | 17.2 | 61 | | (40-140) |
| Aliphatic C28-C40 | 39.3 | 4.64 | 26.9 | 57 | | (40-140) |

| COMPOUND | SPIKE ADDED mg/kg | SAMPLE CONCENTRATION mg/kg | MS/MSD CONCENTRATION mg/kg | % REC | Qual | QC LIMITS (%) |
|---|---|---|---|---|---|---|
| n-Nonane (C9) | 6.5 | 0.0085 | 2.6093 | 40 | | (40-140) |
| n-Decane (C10) | 6.5 | 0.0231 | 3.1071 | 47 | | (40-140) |
| Naphthalene (C11.7) | 6.5 | 0.0100 | 0.0127 | 0 | * | (40-140) |
| n-Dodecane (C12) | 6.5 | 0.0412 | 3.4882 | 53 | | (40-140) |
| 2-methylnaphthalene (C12.89) | 6.5 | 0.0167 | 0.0214 | 0 | * | (40-140) |
| n-Tetradecane (C14) | 6.5 | 0.0387 | 3.8635 | 59 | | (40-140) |
| n-Hexadecane (C16) | 6.5 | 0.0242 | 4.2604 | 65 | | (40-140) |
| n-Octadecane (C18) | 6.5 | 0.0460 | 4.4257 | 67 | | (40-140) |
| n-Eicosane (C20) | 6.5 | 0.0478 | 4.5381 | 69 | | (40-140) |
| n-Heneicosane (C21) | 6.5 | 0.0828 | 4.6036 | 70 | | (40-140) |
| n-Docosane (C22) | 6.5 | 0.1224 | 4.4766 | 67 | | (40-140) |
| n-Tetracosane (C24) | 6.6 | 0.0998 | 4.2681 | 63 | | (40-140) |
| n-Hexacosane (C26) | 6.5 | 0.1113 | 4.1255 | 62 | | (40-140) |
| n-Octacosane (C28) | 6.5 | 0.1280 | 3.9400 | 59 | | (40-140) |
| n-Tricontane (C30) | 6.5 | 0.1491 | 3.6114 | 53 | | (40-140) |
| n-Dotriacontane (C32) | 6.5 | 0.1422 | 3.5159 | 52 | | (40-140) |
| n-Tetratriacontane (C34) | 6.5 | 0.1643 | 3.8081 | 56 | | (40-140) |
| n-Hexatriacontane (C36) | 6.5 | 0.2172 | 4.5077 | 66 | | (40-140) |
| n-Octatriacontane (C38) | 6.5 | 0.2855 | 5.2253 | 76 | | (40-140) |
| n-Tetracontane (C40) | 6.5 | 0.0888 | 5.0576 | 76 | | (40-140) |

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## SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

**Lab Name:** Alliance **Client:** Remington & Vernick Engineers

**Lab Code:** ACE **SDG No:** Q3586

**Sample No :** Q3586-03MSD **Datafile:** FG016961.D **Client ID :** SED-3MSD

| COMPOUND | SPIKE ADDED mg/kg | SAMPLE CONCENTRATION mg/kg | MS/MSD CONCENTRATION mg/kg | % REC | Qual | RPD \| | QC LIMITS (%) | QC Limit Of RPD |
|---|---|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 19.6 | 0.38 | 9.47 | 46 | | 1.29 \| | (40-140) | 50 |
| Aliphatic C12-C16 | 13.1 | 0.34 | 8.48 | 62 | | 0.96 \| | (40-140) | 50 |
| Aliphatic C16-C21 | 19.6 | 0.45 | 13.7 | 68 | | 1.47 \| | (40-140) | 50 |
| Aliphatic C21-C28 | 26.2 | 1.28 | 16.9 | 60 | | 1.99 \| | (40-140) | 50 |
| Aliphatic C28-C40 | 39.3 | 4.64 | 26.7 | 56 | | 0.89 \| | (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) | 6.5 | 0.0085 | 2.5740 | 39 | * | 2.53 \| | (40-140) | 50 |
| n-Decane (C10) | 6.5 | 0.0231 | 3.0639 | 47 | | 0 \| | (40-140) | 50 |
| Naphthalene (C11.7) | 6.5 | 0.0100 | 0.0104 | 0 | * | 0 \| | (40-140) | 50 |
| n-Dodecane (C12) | 6.5 | 0.0412 | 3.4272 | 52 | | 1.9 \| | (40-140) | 50 |
| 2-methylnaphthalene (C12.89) | 6.5 | 0.0167 | 0.0160 | 0 | * | 0 \| | (40-140) | 50 |
| n-Tetradecane (C14) | 6.5 | 0.0387 | 3.8167 | 58 | | 1.71 \| | (40-140) | 50 |
| n-Hexadecane (C16) | 6.5 | 0.0242 | 4.2067 | 64 | | 1.55 \| | (40-140) | 50 |
| n-Octadecane (C18) | 6.5 | 0.0460 | 4.3541 | 66 | | 1.5 \| | (40-140) | 50 |
| n-Eicosane (C20) | 6.5 | 0.0478 | 4.4893 | 68 | | 1.46 \| | (40-140) | 50 |
| n-Heneicosane (C21) | 6.5 | 0.0828 | 4.5310 | 68 | | 2.9 \| | (40-140) | 50 |
| n-Docosane (C22) | 6.5 | 0.1224 | 4.4342 | 66 | | 1.5 \| | (40-140) | 50 |
| n-Tetracosane (C24) | 6.6 | 0.0998 | 4.1979 | 62 | | 1.6 \| | (40-140) | 50 |
| n-Hexacosane (C26) | 6.5 | 0.1113 | 4.0650 | 61 | | 1.63 \| | (40-140) | 50 |
| n-Octacosane (C28) | 6.5 | 0.1280 | 3.8824 | 58 | | 1.71 \| | (40-140) | 50 |
| n-Tricontane (C30) | 6.5 | 0.1491 | 3.5522 | 52 | | 1.9 \| | (40-140) | 50 |
| n-Dotriacontane (C32) | 6.5 | 0.1422 | 3.4580 | 51 | | 1.94 \| | (40-140) | 50 |
| n-Tetratriacontane (C34) | 6.5 | 0.1643 | 3.7474 | 55 | | 1.8 \| | (40-140) | 50 |
| n-Hexatriacontane (C36) | 6.5 | 0.2172 | 4.4555 | 65 | | 1.53 \| | (40-140) | 50 |
| n-Octatriacontane (C38) | 6.5 | 0.2855 | 4.9740 | 72 | | 5.41 \| | (40-140) | 50 |
| n-Tetracontane (C40) | 6.5 | 0.0888 | 4.9568 | 75 | | 1.32 \| | (40-140) | 50 |

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## SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

**Lab Name:** Alliance **Client:** Remington & Vernick Engineers

**Lab Code:** ACE **SDG No:** Q3586

**Sample No :** PB170577BS **Datafile:** FF016717.D **Client ID :** PB170577BS

| COMPOUND | SPIKE ADDED mg/kg | LCS/LCSD CONCENTRATION mg/kg | % REC | Qual | QC LIMITS (%) |
|---|---|---|---|---|---|
| Aromatic C10-C12 | 6.7 | 5.25 | 79 | | (40-140) |
| Aromatic C12-C16 | 10 | 8.68 | 87 | | (40-140) |
| Aromatic C16-C21 | 16.7 | 15.1 | 91 | | (40-140) |
| Aromatic C21-C36 | 26.6 | 26.4 | 99 | | (40-140) |

| COMPOUND | SPIKE ADDED mg/kg | LCS/LCSD CONCENTRATION mg/kg | % REC | Qual | QC LIMITS(%) |
|---|---|---|---|---|---|
| 1,2,3-Trimethylbenzene (C10.1) | 3.3 | 2.44449 | 74 | | (40-140) |
| Naphthalene (C11.7) | 3.3 | 2.80427 | 85 | | (40-140) |
| 2-Methylnaphthalene (C12.89) | 3.3 | 2.69687 | 82 | | (40-140) |
| Acenaphthylene (C15.06) | 3.3 | 2.98726 | 91 | | (40-140) |
| Acenaphthene (C15.5) | 3.3 | 2.99460 | 91 | | (40-140) |
| Flouorene (C16.55) | 3.3 | 3.17257 | 96 | | (40-140) |
| Phenanthrene (C19.36) | 3.3 | 3.08636 | 94 | | (40-140) |
| Anthracene (C19.43) | 3.3 | 2.84811 | 86 | | (40-140) |
| Fluoranthene (C21.85) | 3.3 | 2.96688 | 90 | | (40-140) |
| Pyrene (C20.8) | 3.3 | 2.95327 | 89 | | (40-140) |
| Benzo[a]anthracene (C26.37) | 3.3 | 3.27523 | 99 | | (40-140) |
| Chrysene (C27.41) | 3.3 | 3.18420 | 96 | | (40-140) |
| benzo[b]fluoranthene (C30.41) | 3.3 | 3.35681 | 102 | | (40-140) |
| Bnezo[k]fluoranthene (C30.14) | 3.3 | 3.13261 | 95 | | (40-140) |
| Benzo[a]pyrene (C31.34) | 3.3 | 3.36007 | 102 | | (40-140) |
| Indeno[1,2,3-cd]pyrene (C35.01) | 3.3 | 4.65676 | 140 | | (40-140) |
| Dibenz[a,h]anthracene (C30.36) | 3.3 | 2.85656 | 87 | | (40-140) |
| Benzo[g,h,i]perylene (C34.01) | 3.3 | 3.65312 | 111 | | (40-140) |

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## SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

**Lab Name:** Alliance **Client:** Remington & Vernick Engineers

**Lab Code:** ACE **SDG No:** Q3586

**Sample No :** PB170577BSD **Datafile:** FF016718.D **Client ID :** PB170577BSD

| COMPOUND | SPIKE ADDED mg/kg | LCS/LCSD CONCENTRATION mg/kg | % REC | Qual | RPD \| | QC LIMITS (%) | QC Limit Of RPD |
|---|---|---|---|---|---|---|---|
| Aromatic C10-C12 | 6.7 | 4.78 | 72 | | 9.4\| | (40-140) | 25 |
| Aromatic C12-C16 | 10 | 7.91 | 79 | | 9.3\| | (40-140) | 25 |
| Aromatic C16-C21 | 16.7 | 13.7 | 82 | | 9.8\| | (40-140) | 25 |
| Aromatic C21-C36 | 26.6 | 24.2 | 91 | | 9.6\| | (40-140) | 25 |

| COMPOUND | SPIKE ADDED mg/kg | LCS/LCSD CONCENTRATION mg/kg | % REC | Qual | RPD \| | QC LIMITS(%) | QC Limit Of RPD |
|---|---|---|---|---|---|---|---|
| 1,2,3-Trimethylbenzene (C10.1) | 3.3 | 2.22843 | 68 | | 8.45\| | (40-140) | 25 |
| Naphthalene (C11.7) | 3.3 | 2.54983 | 77 | | 9.88\| | (40-140) | 25 |
| 2-Methylnaphthalene (C12.89) | 3.3 | 2.45250 | 74 | | 10.26\| | (40-140) | 25 |
| Acenaphthylene (C15.06) | 3.3 | 2.72131 | 82 | | 10.4\| | (40-140) | 25 |
| Acenaphthene (C15.5) | 3.3 | 2.73237 | 83 | | 9.2\| | (40-140) | 25 |
| Flouorene (C16.55) | 3.3 | 2.91102 | 88 | | 8.7\| | (40-140) | 25 |
| Phenanthrene (C19.36) | 3.3 | 2.80421 | 85 | | 10.06\| | (40-140) | 25 |
| Anthracene (C19.43) | 3.3 | 2.60062 | 79 | | 8.48\| | (40-140) | 25 |
| Fluoranthene (C21.85) | 3.3 | 2.68790 | 81 | | 10.53\| | (40-140) | 25 |
| Pyrene (C20.8) | 3.3 | 2.67651 | 81 | | 9.41\| | (40-140) | 25 |
| Benzo[a]anthracene (C26.37) | 3.3 | 2.95968 | 90 | | 9.52\| | (40-140) | 25 |
| Chrysene (C27.41) | 3.3 | 2.88280 | 87 | | 9.84\| | (40-140) | 25 |
| benzo[b]fluoranthene (C30.41) | 3.3 | 3.03739 | 92 | | 10.31\| | (40-140) | 25 |
| Bnezo[k]fluoranthene (C30.14) | 3.3 | 2.86089 | 87 | | 8.79\| | (40-140) | 25 |
| Benzo[a]pyrene (C31.34) | 3.3 | 3.04916 | 92 | | 10.31\| | (40-140) | 25 |
| Indeno[1,2,3-cd]pyrene (C35.01) | 3.3 | 4.28072 | 130 | | 8.12\| | (40-140) | 25 |
| Dibenz[a,h]anthracene (C30.36) | 3.3 | 2.76091 | 84 | | 3.51\| | (40-140) | 25 |
| Benzo[g,h,i]perylene (C34.01) | 3.3 | 3.28095 | 99 | | 11.43\| | (40-140) | 25 |

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## SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

**Lab Name:** Alliance **Client:** Remington & Vernick Engineers

**Lab Code:** ACE **SDG No:** Q3586

**Sample No :** PB170577BS **Datafile:** FG016927.D **Client ID :** PB170577BS

| COMPOUND | SPIKE ADDED mg/kg | LCS/LCSD CONCENTRATION mg/kg | % REC | Qual | QC LIMITS (%) |
|---|---|---|---|---|---|
| Aliphatic C9-C12 | 10 | 5.57 | 56 | | (40-140) |
| Aliphatic C12-C16 | 6.7 | 5.04 | 76 | | (40-140) |
| Aliphatic C16-C21 | 10 | 8.70 | 87 | | (40-140) |
| Aliphatic C21-C28 | 13.3 | 11.0 | 83 | | (40-140) |
| Aliphatic C28-C40 | 20.0 | 16.5 | 83 | | (40-140) |

| COMPOUND | SPIKE ADDED mg/kg | LCS/LCSD CONCENTRATION mg/kg | % REC | Qual | QC LIMITS(%) |
|---|---|---|---|---|---|
| n-Nonane (C9) | 3.3 | 1.55454 | 47 | | (40-140) |
| n-Decane (C10) | 3.3 | 1.87240 | 57 | | (40-140) |
| Naphthalene (C11.7) | 3.3 | 0.00000 | 0 | * | (40-140) |
| n-Dodecane (C12) | 3.3 | 2.13160 | 65 | | (40-140) |
| 2-methylnaphthalene (C12.89) | 3.3 | 0.00000 | 0 | * | (40-140) |
| n-Tetradecane (C14) | 3.3 | 2.40658 | 73 | | (40-140) |
| n-Hexadecane (C16) | 3.3 | 2.62515 | 80 | | (40-140) |
| n-Octadecane (C18) | 3.3 | 2.76795 | 84 | | (40-140) |
| n-Eicosane (C20) | 3.3 | 2.94637 | 89 | | (40-140) |
| n-Heneicosane (C21) | 3.3 | 2.98377 | 90 | | (40-140) |
| n-Docosane (C22) | 3.3 | 2.93712 | 89 | | (40-140) |
| n-Tetracosane (C24) | 3.4 | 2.79723 | 82 | | (40-140) |
| n-Hexacosane (C26) | 3.3 | 2.71760 | 82 | | (40-140) |
| n-Octacosane (C28) | 3.3 | 2.60291 | 79 | | (40-140) |
| n-Tricontane (C30) | 3.3 | 2.37443 | 72 | | (40-140) |
| n-Dotriacontane (C32) | 3.3 | 2.31710 | 70 | | (40-140) |
| n-Tetratriacontane (C34) | 3.3 | 2.52969 | 77 | | (40-140) |
| n-Hexatriacontane (C36) | 3.3 | 2.93256 | 89 | | (40-140) |
| n-Octatriacontane (C38) | 3.3 | 3.32705 | 101 | | (40-140) |
| n-Tetracontane (C40) | 3.3 | 3.62189 | 110 | | (40-140) |

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## SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

**Lab Name:** Alliance **Client:** Remington & Vernick Engineers

**Lab Code:** ACE **SDG No:** Q3586

**Sample No :** PB170577BSD **Datafile:** FG016928.D **Client ID :** PB170577BSD

| COMPOUND | SPIKE ADDED mg/kg | LCS/LCSD CONCENTRATION mg/kg | % REC | Qual | RPD \| | QC LIMITS (%) | QC Limit Of RPD |
|---|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 10 | 5.61 | 56 | | 0.6\| | (40-140) | 25 |
| Aliphatic C12-C16 | 6.7 | 5.07 | 76 | | 0.52\| | (40-140) | 25 |
| Aliphatic C16-C21 | 10 | 8.78 | 88 | | 0.86\| | (40-140) | 25 |
| Aliphatic C21-C28 | 13.3 | 11.1 | 83 | | 0.85\| | (40-140) | 25 |
| Aliphatic C28-C40 | 20.0 | 16.5 | 83 | | 0.0544\| | (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 | 1.56744 | 47 | | 0\| | (40-140) | 25 |
| n-Decane (C10) | 3.3 | 1.88798 | 57 | | 0\| | (40-140) | 25 |
| Naphthalene (C11.7) | 3.3 | 0.00000 | 0 | * | 0\| | (40-140) | 25 |
| n-Dodecane (C12) | 3.3 | 2.14813 | 65 | | 0\| | (40-140) | 25 |
| 2-methylnaphthalene (C12.89) | 3.3 | 0.00000 | 0 | * | 0\| | (40-140) | 25 |
| n-Tetradecane (C14) | 3.3 | 2.42590 | 74 | | 1.36\| | (40-140) | 25 |
| n-Hexadecane (C16) | 3.3 | 2.64323 | 80 | | 0\| | (40-140) | 25 |
| n-Octadecane (C18) | 3.3 | 2.79630 | 85 | | 1.18\| | (40-140) | 25 |
| n-Eicosane (C20) | 3.3 | 2.97445 | 90 | | 1.12\| | (40-140) | 25 |
| n-Heneicosane (C21) | 3.3 | 3.01273 | 91 | | 1.1\| | (40-140) | 25 |
| n-Docosane (C22) | 3.3 | 2.96219 | 90 | | 1.12\| | (40-140) | 25 |
| n-Tetracosane (C24) | 3.4 | 2.82008 | 83 | | 1.21\| | (40-140) | 25 |
| n-Hexacosane (C26) | 3.3 | 2.73810 | 83 | | 1.21\| | (40-140) | 25 |
| n-Octacosane (C28) | 3.3 | 2.62078 | 79 | | 0\| | (40-140) | 25 |
| n-Tricontane (C30) | 3.3 | 2.38649 | 72 | | 0\| | (40-140) | 25 |
| n-Dotriacontane (C32) | 3.3 | 2.32907 | 71 | | 1.42\| | (40-140) | 25 |
| n-Tetratriacontane (C34) | 3.3 | 2.53547 | 77 | | 0\| | (40-140) | 25 |
| n-Hexatriacontane (C36) | 3.3 | 2.93949 | 89 | | 0\| | (40-140) | 25 |
| n-Octatriacontane (C38) | 3.3 | 3.33514 | 101 | | 0\| | (40-140) | 25 |
| n-Tetracontane (C40) | 3.3 | 3.63188 | 110 | | 0\| | (40-140) | 25 |

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4B
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
PB170577BL

Lab Name: Alliance
Contract: REMI02
Lab Code: ACE
SDG NO.: Q3586
Instrument ID: FID_F
Lab Sample ID: PB170577BL
Matrix: (soil/water) Solid
Date Extracted: 11/17/2025 9:50:00
Level: (low/med) low

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

| CLIENT SAMPLE NO. | LAB SAMPLE ID |
|---|---|
| PB170577BS | PB170577BS |
| PB170577BSD | PB170577BSD |
| SED-1 | Q3586-01 |
| SED-2 | Q3586-02 |
| SED-3 | Q3586-03 |
| SED-3MS | Q3586-03MS |
| SED-3MSD | Q3586-03MSD |

COMMENTS:

# QC SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | |
| Project: | Edison Landfill | Date Received: | |
| Client Sample ID: | PB170577BL | SDG No.: | Q3586 |
| Lab Sample ID: | PB170577BL | Matrix: | Solid |
| Analytical Method: | NJEPH | % Solid: | 100 |
| Sample Wt/Vol: | 30.01 g | Final Vol: 2000 uL | Test: EPH |
| Prep Method : | | Prep Date : 11/17/25 | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Datafile | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | | |
| Aliphatic C9-C12 | Aliphatic C9-C12 | 0.14 | U | 1 | 0.14 | 1.00 | mg/kg | FG016957.D | 11/20/25 11:09 | PB170577 |
| Aliphatic C12-C16 | Aliphatic C12-C16 | 0.11 | U | 1 | 0.11 | 0.67 | mg/kg | FG016957.D | 11/20/25 11:09 | PB170577 |
| Aliphatic C16-C21 | Aliphatic C16-C21 | 0.13 | U | 1 | 0.13 | 1.00 | mg/kg | FG016957.D | 11/20/25 11:09 | PB170577 |
| Aliphatic C21-C28 | Aliphatic C21-C28 | 0.53 | U | 1 | 0.53 | 1.33 | mg/kg | FG016957.D | 11/20/25 11:09 | PB170577 |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 1.18 | U | 1 | 1.18 | 2.00 | mg/kg | FG016957.D | 11/20/25 11:09 | PB170577 |
| Aromatic C10-C12 | Aromatic C10-C12 | 0.12 | U | 1 | 0.12 | 0.67 | mg/kg | FF016719.D | 11/17/25 16:34 | PB170577 |
| Aromatic C12-C16 | Aromatic C12-C16 | 0.23 | U | 1 | 0.23 | 1.00 | mg/kg | FF016719.D | 11/17/25 16:34 | PB170577 |
| Aromatic C16-C21 | Aromatic C16-C21 | 0.40 | U | 1 | 0.40 | 1.67 | mg/kg | FF016719.D | 11/17/25 16:34 | PB170577 |
| Aromatic C21-C36 | Aromatic C21-C36 | 1.19 | U | 1 | 1.19 | 2.67 | mg/kg | FF016719.D | 11/17/25 16:34 | PB170577 |
| Total AliphaticEPH | Total AliphaticEPH | 2.09 | U | | 2.09 | 6.00 | mg/kg | | | |
| Total AromaticEPH | Total AromaticEPH | 1.94 | U | | 1.94 | 6.01 | mg/kg | | | |
| Total EPH | Total EPH | 4.03 | U | | 4.03 | 12.0 | mg/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

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: | Remington & Vernick Engineers | | | Date Collected: | |
| Project: | Edison Landfill | | | Date Received: | |
| Client Sample ID: | PB170577BL | | | SDG No.: | Q3586 |
| Lab Sample ID: | PB170577BL | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.01 g | Final Vol: | 2000 uL | Test: | EPH |
| Prep Method : | | Prep Date | 11/17/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| Aromatic C10-C12 | Aromatic C10-C12 | 0.12 | U | 1 | 0.12 | 0.67 | mg/kg | 11/17/25 | PB170577 |
| Aromatic C12-C16 | Aromatic C12-C16 | 0.23 | U | 1 | 0.23 | 1.00 | mg/kg | 11/17/25 | PB170577 |
| Aromatic C16-C21 | Aromatic C16-C21 | 0.40 | U | 1 | 0.40 | 1.67 | mg/kg | 11/17/25 | PB170577 |
| Aromatic C21-C36 | Aromatic C21-C36 | 1.19 | U | 1 | 1.19 | 2.67 | mg/kg | 11/17/25 | PB170577 |
| **SURROGATES** | | | | | | | | | |
| 580-13-2 | 2-Bromonaphthalene (SURR) | 50.6 | | | 40 - 140 | 101% | SPK: 50 | | |
| 321-60-8 | 2-Flurobiphenyl (SURR) | 53.3 | | | 40 - 140 | 106% | SPK: 50 | | |
| 84-15-1 | ortho-Terphenyl (SURR) | 40.2 | | | 40 - 140 | 80% | SPK: 50 | | |

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# Quantitation Report For Aromatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | PB170577BL | Acq On: | 17 Nov 2025 16:34 |
| Client Sample ID: | PB170577BL | Operator: | YP\AJ |
| Data file: | FF016719.D | Misc: | |
| Instrument: | FID_F | ALS Vial: | 73 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aromatic C10-C12 | 4.502 | 6.378 | 0 | 0 | 200 | ug/ml |
| Aromatic C12-C16 | 6.379 | 9.083 | 0 | 0 | 300 | ug/ml |
| Aromatic C16-C21 | 9.084 | 13.405 | 0 | 0 | 500 | ug/ml |
| Aromatic C21-C36 | 13.406 | 18.870 | 0 | 0 | 800 | ug/ml |
| Aromatic EPH | 4.502 | 18.870 | 0 | 0 | | ug/ml |
| 2-Bromonaphthalene (SURR) | 8.002 | 8.002 | 5732178 | 50.58 | | ug/ml |
| 2-Flurobiphenyl (SURR) | 8.879 | 8.879 | 3797616 | 53.25 | | ug/ml |
| ortho-Terphenyl (SURR) | 11.949 | 11.949 | 5908012 | 40.23 | | ug/ml |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Remington & Vernick Engineers | | | Date Collected: | |
| Project: | Edison Landfill | | | Date Received: | |
| Client Sample ID: | PB170577BL | | | SDG No.: | Q3586 |
| Lab Sample ID: | PB170577BL | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.01 g | Final Vol: | 2000 uL | Test: | EPH |
| Prep Method : | | Prep Date | 11/17/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| Aliphatic C9-C12 | Aliphatic C9-C12 | 0.14 | U | 1 | 0.14 | 1.00 | mg/kg | 11/20/25 | PB170577 |
| Aliphatic C12-C16 | Aliphatic C12-C16 | 0.11 | U | 1 | 0.11 | 0.67 | mg/kg | 11/20/25 | PB170577 |
| Aliphatic C16-C21 | Aliphatic C16-C21 | 0.13 | U | 1 | 0.13 | 1.00 | mg/kg | 11/20/25 | PB170577 |
| Aliphatic C21-C28 | Aliphatic C21-C28 | 0.53 | U | 1 | 0.53 | 1.33 | mg/kg | 11/20/25 | PB170577 |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 1.18 | U | 1 | 1.18 | 2.00 | mg/kg | 11/20/25 | PB170577 |
| **SURROGATES** | | | | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 24.8 | | | 40 - 140 | 50% | SPK: 50 | | |
| 84-15-1 | ortho-Terphenyl (SURR) | 0.00 | | | 40 - 140 | 0% | SPK: 50 | | |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | PB170577BL | Acq On: | 20 Nov 2025 11:09 |
| Client Sample ID: | PB170577BL | Operator: | YP\AJ |
| Data file: | FG016957.D | Misc: | |
| Instrument: | FID_G | ALS Vial: | 21 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.258 | 6.899 | 0 | 0 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.900 | 10.356 | 0 | 0 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.357 | 13.743 | 0 | 0 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.744 | 17.429 | 0 | 0 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.430 | 22.445 | 0 | 0 | 600 | ug/ml |
| Aliphatic EPH | 3.258 | 22.445 | 0 | 0 | | ug/ml |
| ortho-Terphenyl (SURR) | 0.000 | 0.000 | 0 | 0 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.478 | 13.478 | 2987792 | 24.81 | | ug/ml |
| Aliphatic C9-C28 | 3.258 | 17.429 | 0 | 0 | 1200 | ug/ml |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | |
| Project: | Edison Landfill | Date Received: | |
| Client Sample ID: | PB170577BS | SDG No.: | Q3586 |
| Lab Sample ID: | PB170577BS | Matrix: | Solid |
| Analytical Method: | NJEPH | % Solid: | 100 |
| Sample Wt/Vol: | 30.03 g | Final Vol: 2000 uL | Test: EPH |
| Prep Method : | | Prep Date : 11/17/25 | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Datafile | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | | |
| Aliphatic C9-C12 | Aliphatic C9-C12 | 5.57 | | 1 | 0.14 | 1.00 | mg/kg | FG016927.D | 11/17/25 17:03 | PB170577 |
| Aliphatic C12-C16 | Aliphatic C12-C16 | 5.04 | | 1 | 0.11 | 0.67 | mg/kg | FG016927.D | 11/17/25 17:03 | PB170577 |
| Aliphatic C16-C21 | Aliphatic C16-C21 | 8.70 | | 1 | 0.13 | 1.00 | mg/kg | FG016927.D | 11/17/25 17:03 | PB170577 |
| Aliphatic C21-C28 | Aliphatic C21-C28 | 11.0 | | 1 | 0.53 | 1.33 | mg/kg | FG016927.D | 11/17/25 17:03 | PB170577 |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 16.5 | | 1 | 1.18 | 2.00 | mg/kg | FG016927.D | 11/17/25 17:03 | PB170577 |
| Aromatic C10-C12 | Aromatic C10-C12 | 5.25 | | 1 | 0.12 | 0.67 | mg/kg | FF016717.D | 11/17/25 15:00 | PB170577 |
| Aromatic C12-C16 | Aromatic C12-C16 | 8.68 | | 1 | 0.23 | 1.00 | mg/kg | FF016717.D | 11/17/25 15:00 | PB170577 |
| Aromatic C16-C21 | Aromatic C16-C21 | 15.1 | | 1 | 0.40 | 1.67 | mg/kg | FF016717.D | 11/17/25 15:00 | PB170577 |
| Aromatic C21-C36 | Aromatic C21-C36 | 26.4 | | 1 | 1.19 | 2.66 | mg/kg | FF016717.D | 11/17/25 15:00 | PB170577 |
| Total AliphaticEPH | Total AliphaticEPH | 46.8 | | | 2.09 | 5.99 | mg/kg | | | |
| Total AromaticEPH | Total AromaticEPH | 55.4 | | | 1.94 | 6.00 | mg/kg | | | |
| Total EPH | Total EPH | 102 | | | 4.03 | 12.0 | mg/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

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: | Remington & Vernick Engineers | | | Date Collected: | |
| Project: | Edison Landfill | | | Date Received: | |
| Client Sample ID: | PB170577BS | | | SDG No.: | Q3586 |
| Lab Sample ID: | PB170577BS | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.03 g | Final Vol: | 2000 uL | Test: | EPH |
| Prep Method : | | Prep Date | 11/17/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| Aromatic C10-C12 | Aromatic C10-C12 | 5.25 | | 1 | 0.12 | 0.67 | mg/kg | 11/17/25 | PB170577 |
| Aromatic C12-C16 | Aromatic C12-C16 | 8.68 | | 1 | 0.23 | 1.00 | mg/kg | 11/17/25 | PB170577 |
| Aromatic C16-C21 | Aromatic C16-C21 | 15.1 | | 1 | 0.40 | 1.67 | mg/kg | 11/17/25 | PB170577 |
| Aromatic C21-C36 | Aromatic C21-C36 | 26.4 | | 1 | 1.19 | 2.66 | mg/kg | 11/17/25 | PB170577 |
| **SURROGATES** | | | | | | | | | |
| 580-13-2 | 2-Bromonaphthalene (SURR) | 58.8 | | | 40 - 140 | 118% | SPK: 50 | | |
| 321-60-8 | 2-Flurobiphenyl (SURR) | 59.7 | | | 40 - 140 | 119% | SPK: 50 | | |
| 84-15-1 | ortho-Terphenyl (SURR) | 43.4 | | | 40 - 140 | 87% | SPK: 50 | | |

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# Quantitation Report For Aromatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | PB170577BS | Acq On: | 17 Nov 2025 15:00 |
| Client Sample ID: | PB170577BS | Operator: | YP\AJ |
| Data file: | FF016717.D | Misc: | |
| Instrument: | FID_F | ALS Vial: | 71 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aromatic C10-C12 | 4.502 | 6.378 | 10401850 | 78.824 | 200 | ug/ml |
| Aromatic C12-C16 | 6.379 | 9.083 | 17623690 | 130.385 | 300 | ug/ml |
| Aromatic C16-C21 | 9.084 | 13.405 | 30315057 | 226.666 | 500 | ug/ml |
| Aromatic C21-C36 | 13.406 | 18.870 | 46709752 | 396.968 | 800 | ug/ml |
| Aromatic EPH | 4.502 | 18.870 | 105050349 | 832.843 | | ug/ml |
| 2-Bromonaphthalene (SURR) | 8.005 | 8.005 | 6657703 | 58.75 | | ug/ml |
| 2-Flurobiphenyl (SURR) | 8.883 | 8.883 | 4257234 | 59.69 | | ug/ml |
| ortho-Terphenyl (SURR) | 11.951 | 11.951 | 6379745 | 43.44 | | ug/ml |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Remington & Vernick Engineers | | | Date Collected: | |
| Project: | Edison Landfill | | | Date Received: | |
| Client Sample ID: | PB170577BS | | | SDG No.: | Q3586 |
| Lab Sample ID: | PB170577BS | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.03 g | Final Vol: | 2000 uL | Test: | EPH |
| Prep Method : | | Prep Date | 11/17/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| Aliphatic C9-C12 | Aliphatic C9-C12 | 5.57 | | 1 | 0.14 | 1.00 | mg/kg | 11/17/25 | PB170577 |
| Aliphatic C12-C16 | Aliphatic C12-C16 | 5.04 | | 1 | 0.11 | 0.67 | mg/kg | 11/17/25 | PB170577 |
| Aliphatic C16-C21 | Aliphatic C16-C21 | 8.70 | | 1 | 0.13 | 1.00 | mg/kg | 11/17/25 | PB170577 |
| Aliphatic C21-C28 | Aliphatic C21-C28 | 11.0 | | 1 | 0.53 | 1.33 | mg/kg | 11/17/25 | PB170577 |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 16.5 | | 1 | 1.18 | 2.00 | mg/kg | 11/17/25 | PB170577 |
| **SURROGATES** | | | | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 24.6 | | | 40 - 140 | 49% | SPK: 50 | | |
| 84-15-1 | ortho-Terphenyl (SURR) | 0.00 | | | 40 - 140 | 0% | SPK: 50 | | |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | PB170577BS | Acq On: | 17 Nov 2025 17:03 |
| Client Sample ID: | PB170577BS | Operator: | YP\AJ |
| Data file: | FG016927.D | Misc: | |
| Instrument: | FID_G | ALS Vial: | 22 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.260 | 6.901 | 10197699 | 83.585 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.902 | 10.358 | 9288354 | 75.607 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.359 | 13.749 | 17291968 | 130.608 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.750 | 17.436 | 23062370 | 165.875 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.437 | 22.460 | 28152650 | 247.399 | 600 | ug/ml |
| Aliphatic EPH | 3.260 | 22.460 | 87993041 | 703.074 | | ug/ml |
| ortho-Terphenyl (SURR) | 0.000 | 0.000 | 0 | 0 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.480 | 13.480 | 2963779 | 24.61 | | ug/ml |
| Aliphatic C9-C28 | 3.260 | 17.436 | 59840391 | 455.675 | 1200 | ug/ml |

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Fax : 908 789 8922



# Report of Analysis



| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | |
| Project: | Edison Landfill | Date Received: | |
| Client Sample ID: | PB170577BSD | SDG No.: | Q3586 |
| Lab Sample ID: | PB170577BSD | Matrix: | Solid |
| Analytical Method: | NJEPH | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 g | Final Vol: 2000 uL | Test: EPH |
| Prep Method : | | Prep Date : 11/17/25 | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Datafile | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | | |
| Aliphatic C9-C12 | Aliphatic C9-C12 | 5.61 | | 1 | 0.14 | 1.00 | mg/kg | FG016928.D | 11/17/25 17:32 | PB170577 |
| Aliphatic C12-C16 | Aliphatic C12-C16 | 5.07 | | 1 | 0.11 | 0.67 | mg/kg | FG016928.D | 11/17/25 17:32 | PB170577 |
| Aliphatic C16-C21 | Aliphatic C16-C21 | 8.78 | | 1 | 0.13 | 1.00 | mg/kg | FG016928.D | 11/17/25 17:32 | PB170577 |
| Aliphatic C21-C28 | Aliphatic C21-C28 | 11.1 | | 1 | 0.53 | 1.33 | mg/kg | FG016928.D | 11/17/25 17:32 | PB170577 |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 16.5 | | 1 | 1.18 | 2.00 | mg/kg | FG016928.D | 11/17/25 17:32 | PB170577 |
| Aromatic C10-C12 | Aromatic C10-C12 | 4.78 | | 1 | 0.12 | 0.67 | mg/kg | FF016718.D | 11/17/25 15:30 | PB170577 |
| Aromatic C12-C16 | Aromatic C12-C16 | 7.91 | | 1 | 0.23 | 1.00 | mg/kg | FF016718.D | 11/17/25 15:30 | PB170577 |
| Aromatic C16-C21 | Aromatic C16-C21 | 13.7 | | 1 | 0.40 | 1.67 | mg/kg | FF016718.D | 11/17/25 15:30 | PB170577 |
| Aromatic C21-C36 | Aromatic C21-C36 | 24.2 | | 1 | 1.19 | 2.66 | mg/kg | FF016718.D | 11/17/25 15:30 | PB170577 |
| Total AliphaticEPH | Total AliphaticEPH | 47.1 | | | 2.09 | 5.99 | mg/kg | | | |
| Total AromaticEPH | Total AromaticEPH | 50.6 | | | 1.94 | 6.00 | mg/kg | | | |
| Total EPH | Total EPH | 97.7 | | | 4.03 | 12.0 | mg/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

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: | Remington & Vernick Engineers | | | Date Collected: | |
| Project: | Edison Landfill | | | Date Received: | |
| Client Sample ID: | PB170577BSD | | | SDG No.: | Q3586 |
| Lab Sample ID: | PB170577BSD | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 g | Final Vol: | 2000 uL | Test: | EPH |
| Prep Method : | | Prep Date | 11/17/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| Aromatic C10-C12 | Aromatic C10-C12 | 4.78 | | 1 | 0.12 | 0.67 | mg/kg | 11/17/25 | PB170577 |
| Aromatic C12-C16 | Aromatic C12-C16 | 7.91 | | 1 | 0.23 | 1.00 | mg/kg | 11/17/25 | PB170577 |
| Aromatic C16-C21 | Aromatic C16-C21 | 13.7 | | 1 | 0.40 | 1.67 | mg/kg | 11/17/25 | PB170577 |
| Aromatic C21-C36 | Aromatic C21-C36 | 24.2 | | 1 | 1.19 | 2.66 | mg/kg | 11/17/25 | PB170577 |
| **SURROGATES** | | | | | | | | | |
| 580-13-2 | 2-Bromonaphthalene (SURR) | 53.6 | | | 40 - 140 | 107% | SPK: 50 | | |
| 321-60-8 | 2-Flurobiphenyl (SURR) | 54.5 | | | 40 - 140 | 109% | SPK: 50 | | |
| 84-15-1 | ortho-Terphenyl (SURR) | 39.6 | | | 40 - 140 | 79% | SPK: 50 | | |

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# Quantitation Report For Aromatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | PB170577BSD | Acq On: | 17 Nov 2025 15:30 |
| Client Sample ID: | PB170577BSD | Operator: | YP\AJ |
| Data file: | FF016718.D | Misc: | |
| Instrument: | FID_F | ALS Vial: | 72 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aromatic C10-C12 | 4.502 | 6.378 | 9466234 | 71.734 | 200 | ug/ml |
| Aromatic C12-C16 | 6.379 | 9.083 | 16049820 | 118.741 | 300 | ug/ml |
| Aromatic C16-C21 | 9.084 | 13.405 | 27586485 | 206.265 | 500 | ug/ml |
| Aromatic C21-C36 | 13.406 | 18.870 | 42706384 | 362.945 | 800 | ug/ml |
| Aromatic EPH | 4.502 | 18.870 | 95808923 | 759.685 | | ug/ml |
| ortho-Terphenyl (SURR) | 11.953 | 11.953 | 5813344 | 39.59 | | ug/ml |
| 2-Bromonaphthalene (SURR) | 8.010 | 8.010 | 6072329 | 53.58 | | ug/ml |
| 2-Flurobiphenyl (SURR) | 8.886 | 8.886 | 3887536 | 54.51 | | ug/ml |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Remington & Vernick Engineers | | | Date Collected: | |
| Project: | Edison Landfill | | | Date Received: | |
| Client Sample ID: | PB170577BSD | | | SDG No.: | Q3586 |
| Lab Sample ID: | PB170577BSD | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 g | Final Vol: | 2000 uL | Test: | EPH |
| Prep Method : | | Prep Date | 11/17/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| Aliphatic C9-C12 | Aliphatic C9-C12 | 5.61 | | 1 | 0.14 | 1.00 | mg/kg | 11/17/25 | PB170577 |
| Aliphatic C12-C16 | Aliphatic C12-C16 | 5.07 | | 1 | 0.11 | 0.67 | mg/kg | 11/17/25 | PB170577 |
| Aliphatic C16-C21 | Aliphatic C16-C21 | 8.78 | | 1 | 0.13 | 1.00 | mg/kg | 11/17/25 | PB170577 |
| Aliphatic C21-C28 | Aliphatic C21-C28 | 11.1 | | 1 | 0.53 | 1.33 | mg/kg | 11/17/25 | PB170577 |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 16.5 | | 1 | 1.18 | 2.00 | mg/kg | 11/17/25 | PB170577 |
| **SURROGATES** | | | | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 24.8 | | | 40 - 140 | 50% | SPK: 50 | | |
| 84-15-1 | ortho-Terphenyl (SURR) | 0.00 | | | 40 - 140 | 0% | SPK: 50 | | |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | PB170577BSD | Acq On: | 17 Nov 2025 17:32 |
| Client Sample ID: | PB170577BSD | Operator: | YP\AJ |
| Data file: | FG016928.D | Misc: | |
| Instrument: | FID_G | ALS Vial: | 23 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.260 | 6.901 | 10276857 | 84.234 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.902 | 10.358 | 9354182 | 76.142 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.359 | 13.749 | 17455890 | 131.846 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.750 | 17.436 | 23234451 | 167.113 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.437 | 22.460 | 28239240 | 248.16 | 600 | ug/ml |
| Aliphatic EPH | 3.260 | 22.460 | 88560620 | 707.495 | | ug/ml |
| ortho-Terphenyl (SURR) | 0.000 | 0.000 | 0 | 0 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.480 | 13.480 | 2989856 | 24.83 | | ug/ml |
| Aliphatic C9-C28 | 3.260 | 17.436 | 60321380 | 459.335 | 1200 | ug/ml |

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# Report of Analysis



| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | |
| Project: | Edison Landfill | Date Received: | |
| Client Sample ID: | SED-3MS | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03MS | Matrix: | Solid |
| Analytical Method: | NJEPH | % Solid: | 50.9 |
| Sample Wt/Vol: | 30.03 g | Final Vol: 2000 uL | Test: EPH |
| Prep Method : | | Prep Date : 11/17/25 | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Datafile | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | | |
| Aliphatic C9-C12 | Aliphatic C9-C12 | 9.59 | | 1 | 0.28 | 1.96 | mg/kg | FG016960.D | 11/20/25 14:56 | PB170577 |
| Aliphatic C12-C16 | Aliphatic C12-C16 | 8.55 | | 1 | 0.22 | 1.31 | mg/kg | FG016960.D | 11/20/25 14:56 | PB170577 |
| Aliphatic C16-C21 | Aliphatic C16-C21 | 13.9 | | 1 | 0.26 | 1.96 | mg/kg | FG016960.D | 11/20/25 14:56 | PB170577 |
| Aliphatic C21-C28 | Aliphatic C21-C28 | 17.2 | | 1 | 1.04 | 2.62 | mg/kg | FG016960.D | 11/20/25 14:56 | PB170577 |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 26.9 | | 1 | 2.32 | 3.93 | mg/kg | FG016960.D | 11/20/25 14:56 | PB170577 |
| Aromatic C10-C12 | Aromatic C10-C12 | 8.12 | | 1 | 0.24 | 1.31 | mg/kg | FF016726.D | 11/17/25 19:59 | PB170577 |
| Aromatic C12-C16 | Aromatic C12-C16 | 13.6 | | 1 | 0.45 | 1.96 | mg/kg | FF016726.D | 11/17/25 19:59 | PB170577 |
| Aromatic C16-C21 | Aromatic C16-C21 | 27.8 | | 1 | 0.79 | 3.27 | mg/kg | FF016726.D | 11/17/25 19:59 | PB170577 |
| Aromatic C21-C36 | Aromatic C21-C36 | 44.9 | | 1 | 2.34 | 5.23 | mg/kg | FF016726.D | 11/17/25 19:59 | PB170577 |
| Total AliphaticEPH | Total AliphaticEPH | 76.1 | | | 4.11 | 11.8 | mg/kg | | | |
| Total AromaticEPH | Total AromaticEPH | 94.4 | | | 3.81 | 11.8 | mg/kg | | | |
| Total EPH | Total EPH | 171 | | | 7.92 | 23.6 | mg/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

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: | Remington & Vernick Engineers | | | Date Collected: | |
| Project: | Edison Landfill | | | Date Received: | |
| Client Sample ID: | SED-3MS | | | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03MS | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 50.9 |
| Sample Wt/Vol: | 30.03 g | Final Vol: | 2000 uL | Test: | EPH |
| Prep Method : | | Prep Date | 11/17/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| Aromatic C10-C12 | Aromatic C10-C12 | 8.12 | | 1 | 0.24 | 1.31 | mg/kg | 11/17/25 | PB170577 |
| Aromatic C12-C16 | Aromatic C12-C16 | 13.6 | | 1 | 0.45 | 1.96 | mg/kg | 11/17/25 | PB170577 |
| Aromatic C16-C21 | Aromatic C16-C21 | 27.8 | | 1 | 0.79 | 3.27 | mg/kg | 11/17/25 | PB170577 |
| Aromatic C21-C36 | Aromatic C21-C36 | 44.9 | | 1 | 2.34 | 5.23 | mg/kg | 11/17/25 | PB170577 |
| **SURROGATES** | | | | | | | | | |
| 580-13-2 | 2-Bromonaphthalene (SURR) | 46.9 | | | 40 - 140 | 94% | SPK: 50 | | |
| 321-60-8 | 2-Flurobiphenyl (SURR) | 50.2 | | | 40 - 140 | 100% | SPK: 50 | | |
| 84-15-1 | ortho-Terphenyl (SURR) | 34.5 | | | 40 - 140 | 69% | SPK: 50 | | |

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# Quantitation Report For Aromatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q3586-03MS | Acq On: | 17 Nov 2025 19:59 |
| Client Sample ID: | SED-3MS | Operator: | YP\AJ |
| Data file: | FF016726.D | Misc: | |
| Instrument: | FID_F | ALS Vial: | 80 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aromatic C10-C12 | 4.502 | 6.378 | 8187001 | 62.04 | 200 | ug/ml |
| Aromatic C12-C16 | 6.379 | 9.083 | 14077774 | 104.151 | 300 | ug/ml |
| Aromatic C16-C21 | 9.084 | 13.405 | 28459302 | 212.791 | 500 | ug/ml |
| Aromatic C21-C36 | 13.406 | 18.870 | 40420856 | 343.521 | 800 | ug/ml |
| Aromatic EPH | 4.502 | 18.870 | 91144933 | 722.503 | | ug/ml |
| ortho-Terphenyl (SURR) | 11.953 | 11.953 | 5071986 | 34.54 | | ug/ml |
| 2-Bromonaphthalene (SURR) | 8.010 | 8.010 | 5315856 | 46.91 | | ug/ml |
| 2-Flurobiphenyl (SURR) | 8.886 | 8.886 | 3581574 | 50.22 | | ug/ml |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Remington & Vernick Engineers | | | Date Collected: | |
| Project: | Edison Landfill | | | Date Received: | |
| Client Sample ID: | SED-3MS | | | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03MS | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 50.9 |
| Sample Wt/Vol: | 30.03 g | Final Vol: | 2000 uL | Test: | EPH |
| Prep Method : | | Prep Date | 11/17/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| Aliphatic C9-C12 | Aliphatic C9-C12 | 9.59 | | 1 | 0.28 | 1.96 | mg/kg | 11/20/25 | PB170577 |
| Aliphatic C12-C16 | Aliphatic C12-C16 | 8.55 | | 1 | 0.22 | 1.31 | mg/kg | 11/20/25 | PB170577 |
| Aliphatic C16-C21 | Aliphatic C16-C21 | 13.9 | | 1 | 0.26 | 1.96 | mg/kg | 11/20/25 | PB170577 |
| Aliphatic C21-C28 | Aliphatic C21-C28 | 17.2 | | 1 | 1.04 | 2.62 | mg/kg | 11/20/25 | PB170577 |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 26.9 | | 1 | 2.32 | 3.93 | mg/kg | 11/20/25 | PB170577 |
| **SURROGATES** | | | | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 56.1 | | | 40 - 140 | 112% | SPK: 50 | | |
| 84-15-1 | ortho-Terphenyl (SURR) | 0.00 | | | 40 - 140 | 0% | SPK: 50 | | |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q3586-03MS | Acq On: | 20 Nov 2025 14:56 |
| Client Sample ID: | SED-3MS | Operator: | YP\AJ |
| Data file: | FG016960.D | Misc: | |
| Instrument: | FID_G | ALS Vial: | 24 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.258 | 6.899 | 8943130 | 73.302 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.900 | 10.356 | 8027210 | 65.341 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.357 | 13.743 | 14073690 | 106.3 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.744 | 17.429 | 18245505 | 131.23 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.430 | 22.445 | 23400015 | 205.634 | 600 | ug/ml |
| Aliphatic EPH | 3.258 | 22.445 | 72689550 | 581.807 | | ug/ml |
| ortho-Terphenyl (SURR) | 0.000 | 0.000 | 0 | 0 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.480 | 13.480 | 6757299 | 56.11 | | ug/ml |
| Aliphatic C9-C28 | 3.258 | 17.429 | 49289535 | 376.173 | 1200 | ug/ml |

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# Report of Analysis



| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | |
| Project: | Edison Landfill | Date Received: | |
| Client Sample ID: | SED-3MSD | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03MSD | Matrix: | Solid |
| Analytical Method: | NJEPH | % Solid: | 50.9 |
| Sample Wt/Vol: | 30.01 g | Final Vol: 2000 uL | Test: EPH |
| Prep Method : | | Prep Date : 11/17/25 | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Datafile | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | | |
| Aliphatic C9-C12 | Aliphatic C9-C12 | 9.47 | | 1 | 0.28 | 1.96 | mg/kg | FG016961.D | 11/20/25 15:41 | PB170577 |
| Aliphatic C12-C16 | Aliphatic C12-C16 | 8.48 | | 1 | 0.22 | 1.31 | mg/kg | FG016961.D | 11/20/25 15:41 | PB170577 |
| Aliphatic C16-C21 | Aliphatic C16-C21 | 13.7 | | 1 | 0.26 | 1.96 | mg/kg | FG016961.D | 11/20/25 15:41 | PB170577 |
| Aliphatic C21-C28 | Aliphatic C21-C28 | 16.9 | | 1 | 1.04 | 2.62 | mg/kg | FG016961.D | 11/20/25 15:41 | PB170577 |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 26.7 | | 1 | 2.32 | 3.93 | mg/kg | FG016961.D | 11/20/25 15:41 | PB170577 |
| Aromatic C10-C12 | Aromatic C10-C12 | 8.32 | | 1 | 0.24 | 1.31 | mg/kg | FF016727.D | 11/17/25 20:29 | PB170577 |
| Aromatic C12-C16 | Aromatic C12-C16 | 14.0 | | 1 | 0.45 | 1.96 | mg/kg | FF016727.D | 11/17/25 20:29 | PB170577 |
| Aromatic C16-C21 | Aromatic C16-C21 | 33.7 | | 1 | 0.79 | 3.27 | mg/kg | FF016727.D | 11/17/25 20:29 | PB170577 |
| Aromatic C21-C36 | Aromatic C21-C36 | 46.2 | | 1 | 2.34 | 5.24 | mg/kg | FF016727.D | 11/17/25 20:29 | PB170577 |
| Total AliphaticEPH | Total AliphaticEPH | 75.3 | | | 4.11 | 11.8 | mg/kg | | | |
| Total AromaticEPH | Total AromaticEPH | 102 | | | 3.81 | 11.8 | mg/kg | | | |
| Total EPH | Total EPH | 177 | | | 7.92 | 23.6 | mg/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

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: | Remington & Vernick Engineers | | | Date Collected: | |
| Project: | Edison Landfill | | | Date Received: | |
| Client Sample ID: | SED-3MSD | | | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03MSD | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 50.9 |
| Sample Wt/Vol: | 30.01 g | Final Vol: | 2000 uL | Test: | EPH |
| Prep Method : | | Prep Date | 11/17/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| Aromatic C10-C12 | Aromatic C10-C12 | 8.32 | | 1 | 0.24 | 1.31 | mg/kg | 11/17/25 | PB170577 |
| Aromatic C12-C16 | Aromatic C12-C16 | 14.0 | | 1 | 0.45 | 1.96 | mg/kg | 11/17/25 | PB170577 |
| Aromatic C16-C21 | Aromatic C16-C21 | 33.7 | | 1 | 0.79 | 3.27 | mg/kg | 11/17/25 | PB170577 |
| Aromatic C21-C36 | Aromatic C21-C36 | 46.2 | | 1 | 2.34 | 5.24 | mg/kg | 11/17/25 | PB170577 |
| **SURROGATES** | | | | | | | | | |
| 580-13-2 | 2-Bromonaphthalene (SURR) | 48.1 | | | 40 - 140 | 96% | SPK: 50 | | |
| 321-60-8 | 2-Flurobiphenyl (SURR) | 51.5 | | | 40 - 140 | 103% | SPK: 50 | | |
| 84-15-1 | ortho-Terphenyl (SURR) | 35.5 | | | 40 - 140 | 71% | SPK: 50 | | |

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# Quantitation Report For Aromatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q3586-03MSD | Acq On: | 17 Nov 2025 20:29 |
| Client Sample ID: | SED-3MSD | Operator: | YP\AJ |
| Data file: | FF016727.D | Misc: | |
| Instrument: | FID_F | ALS Vial: | 81 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aromatic C10-C12 | 4.502 | 6.378 | 8388158 | 63.564 | 200 | ug/ml |
| Aromatic C12-C16 | 6.379 | 9.083 | 14422567 | 106.702 | 300 | ug/ml |
| Aromatic C16-C21 | 9.084 | 13.405 | 34414242 | 257.316 | 500 | ug/ml |
| Aromatic C21-C36 | 13.406 | 18.870 | 41516220 | 352.83 | 800 | ug/ml |
| Aromatic EPH | 4.502 | 18.870 | 98741187 | 780.413 | | ug/ml |
| ortho-Terphenyl (SURR) | 11.953 | 11.953 | 5206037 | 35.45 | | ug/ml |
| 2-Bromonaphthalene (SURR) | 8.010 | 8.010 | 5451012 | 48.1 | | ug/ml |
| 2-Flurobiphenyl (SURR) | 8.886 | 8.886 | 3671951 | 51.48 | | ug/ml |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Remington & Vernick Engineers | | | Date Collected: | |
| Project: | Edison Landfill | | | Date Received: | |
| Client Sample ID: | SED-3MSD | | | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03MSD | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 50.9 |
| Sample Wt/Vol: | 30.01 g | Final Vol: | 2000 uL | Test: | EPH |
| Prep Method : | | Prep Date | 11/17/25 | | |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | Prep BatchID |
|---|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | | |
| Aliphatic C9-C12 | Aliphatic C9-C12 | 9.47 | | 1 | 0.28 | 1.96 | mg/kg | 11/20/25 | PB170577 |
| Aliphatic C12-C16 | Aliphatic C12-C16 | 8.48 | | 1 | 0.22 | 1.31 | mg/kg | 11/20/25 | PB170577 |
| Aliphatic C16-C21 | Aliphatic C16-C21 | 13.7 | | 1 | 0.26 | 1.96 | mg/kg | 11/20/25 | PB170577 |
| Aliphatic C21-C28 | Aliphatic C21-C28 | 16.9 | | 1 | 1.04 | 2.62 | mg/kg | 11/20/25 | PB170577 |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 26.7 | | 1 | 2.32 | 3.93 | mg/kg | 11/20/25 | PB170577 |
| **SURROGATES** | | | | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 55.1 | | | 40 - 140 | 110% | SPK: 50 | | |
| 84-15-1 | ortho-Terphenyl (SURR) | 0.00 | | | 40 - 140 | 0% | SPK: 50 | | |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q3586-03MSD | Acq On: | 20 Nov 2025 15:41 |
| Client Sample ID: | SED-3MSD | Operator: | YP\AJ |
| Data file: | FG016961.D | Misc: | |
| Instrument: | FID_G | ALS Vial: | 25 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.258 | 6.899 | 8824862 | 72.333 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.900 | 10.356 | 7960461 | 64.798 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.357 | 13.743 | 13856071 | 104.656 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.744 | 17.429 | 17985721 | 129.361 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.430 | 22.445 | 23171272 | 203.624 | 600 | ug/ml |
| Aliphatic EPH | 3.258 | 22.445 | 71798387 | 574.772 | | ug/ml |
| ortho-Terphenyl (SURR) | 0.000 | 0.000 | 0 | 0 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.494 | 13.494 | 6637711 | 55.12 | | ug/ml |
| Aliphatic C9-C28 | 3.258 | 17.429 | 48627115 | 371.148 | 1200 | ug/ml |

# CALIBRATION SUMMARY

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# Inital Calibration Report for SequenceID : FF102925AR

**AreaCount**

| Parameter Range | FF016615.D | FF016612.D | FF016613.D | FF016614.D | FF016616.D | |
|---|---|---|---|---|---|---|
| Aromatic C10-C12 | 24131913.000 | 13386713.000 | 5040685.000 | 2667636.000 | 1458921.000 | |
| Aromatic C12-C16 | 37802464.000 | 20995951.000 | 7841716.000 | 4071240.000 | 2151729.000 | |
| Aromatic C16-C21 | 49515248.000 | 27355440.000 | 10200929.000 | 5383694.000 | 2920927.000 | |
| Aromatic C21-C36 | 93883793.000 | 53603904.000 | 20060725.000 | 10856127.000 | 5977071.000 | |
| Aromatic EPH | 205333418.000 | 115342008.000 | 43144055.000 | 22978697.000 | 12508648.000 | |

**AVG Response Factor**

| Parameter Range | AVG RF | % RSD | | | | |
|---|---|---|---|---|---|---|
| Aromatic C10-C12 | 131963.544 | 7.217 | | | | |
| Aromatic C12-C16 | 135166.617333 | 5.177 | | | | |
| Aromatic C16-C21 | 133743.1265 | 6.467 | | | | |
| Aromatic C21-C36 | 117666.2035552 | 9.089 | | | | |
| Aromatic EPH | 125744.1821106 | 7.5 | | | | |

**Concentration**

| Parameter Range | FF016615.D | FF016612.D | FF016613.D | FF016614.D | FF016616.D | |
|---|---|---|---|---|---|---|
| Aromatic C10-C12 | 200.000 | 100.000 | 40.000 | 20.000 | 10.000 | |
| Aromatic C12-C16 | 300.000 | 150.000 | 60.000 | 30.000 | 15.000 | |
| Aromatic C16-C21 | 400.000 | 200.000 | 80.000 | 40.000 | 20.000 | |
| Aromatic C21-C36 | 900.000 | 450.000 | 180.000 | 90.000 | 45.000 | |
| Aromatic EPH | 1800.000 | 900.000 | 360.000 | 180.000 | 90.000 | |

**Response Factor**

| Parameter Range | FF016615.D | FF016612.D | FF016613.D | FF016614.D | FF016616.D | |
|---|---|---|---|---|---|---|
| Aromatic C10-C12 | 120659.565000 | 133867.130000 | 126017.125000 | 133381.800000 | 145892.100000 | |
| Aromatic C12-C16 | 126008.213333 | 139973.006666 | 130695.266666 | 135708.000000 | 143448.600000 | |
| Aromatic C16-C21 | 123788.120000 | 136777.200000 | 127511.612500 | 134592.350000 | 146046.350000 | |
| Aromatic C21-C36 | 104315.325555 | 119119.786666 | 111448.472222 | 120623.633333 | 132823.800000 | |
| Aromatic EPH | 114074.121111 | 128157.786666 | 119844.597222 | 127659.427777 | 138984.977777 | |

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# Inital Calibration Report for SequenceID : FG102925AL

**AreaCount**

| Parameter Range | FG016852.D | FG016848.D | FG016849.D | FG016850.D | FG016851.D | |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 34262467.000 | 18492584.000 | 7254295.000 | 3738287.000 | 1905143.000 | |
| Aliphatic C12-C16 | 23563142.000 | 12790679.000 | 4920528.000 | 2484208.000 | 1213101.000 | |
| Aliphatic C16-C21 | 36760469.000 | 20195600.000 | 7804680.000 | 4060755.000 | 2090588.000 | |
| Aliphatic C21-C28 | 48743388.000 | 27416427.000 | 10278435.000 | 5677486.000 | 3316302.000 | |
| Aliphatic C28-C40 | 57463919.000 | 32655580.000 | 12432103.000 | 7187522.000 | 4228641.000 | |
| Aliphatic EPH | 200793385.000 | 111550870.000 | 42690041.000 | 23148258.000 | 12753775.000 | |

**AVG Response Factor**

| Parameter Range | AVG RF | % RSD | | | | |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 122003.2266662 | 4.004 | | | | |
| Aliphatic C12-C16 | 122851.24 | 3.023 | | | | |
| Aliphatic C16-C21 | 132396.2526664 | 4.852 | | | | |
| Aliphatic C21-C28 | 139034.6585 | 12.12 | | | | |
| Aliphatic C28-C40 | 113794.5446664 | 15.39 | | | | |
| Aliphatic EPH | 124878.1566664 | 9.088 | | | | |

**Concentration**

| Parameter Range | FG016852.D | FG016848.D | FG016849.D | FG016850.D | FG016851.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 | FG016852.D | FG016848.D | FG016849.D | FG016850.D | FG016851.D | |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 114208.223333 | 123283.893333 | 120904.916666 | 124609.566666 | 127009.533333 | |
| Aliphatic C12-C16 | 117815.710000 | 127906.790000 | 123013.200000 | 124210.400000 | 121310.100000 | |
| Aliphatic C16-C21 | 122534.896666 | 134637.333333 | 130078.000000 | 135358.500000 | 139372.533333 | |

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Inital Calibration Report for SequenceID : FG102925AL

| | | | | | | |
|---|---|---|---|---|---|---|
| Aliphatic C21-C28 | 121858.470000 | 137082.135000 | 128480.437500 | 141937.150000 | 165815.100000 | |
| Aliphatic C28-C40 | 95773.198333 | 108851.933333 | 103600.858333 | 119792.033333 | 140954.700000 | |
| Aliphatic EPH | 111551.880555 | 123945.411111 | 118583.447222 | 128601.433333 | 141708.611111 | |

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# Continuing Calibration Report for SequenceID : FF111725AR

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|---|---|---|---|---|---|---|---|
| **File ID :** | **FF016716.D** | | | | | | |
| Aromatic C10-C12 | 5495483.000 | 40.000 | 4.502 | 6.378 | 137387.075 | 131963.544 | -4.110 |
| Aromatic C12-C16 | 8357375.000 | 60.000 | 6.379 | 9.083 | 139289.583 | 135166.617 | -3.050 |
| Aromatic C16-C21 | 10464575.000 | 80.000 | 9.084 | 13.405 | 130807.188 | 133743.127 | 2.195 |
| Aromatic C21-C36 | 22365155.000 | 180.000 | 13.406 | 18.870 | 124250.861 | 117666.204 | -5.596 |
| Aromatic EPH | 46682588.000 | 360.000 | 4.502 | 18.870 | 129673.856 | 125744.182 | -3.125 |

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| | | | |
|---|---|---|---|
| Lab Sample ID: | 20 PPM AROMATIC HC S | Acq On: | 17 Nov 2025 14:20 |
| Client Sample ID: | | Operator: | YP\AJ |
| Data file: | FF016716.D | Misc: | |
| Instrument: | FID_F | ALS Vial: | 61 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | Units |
|---|---|---|---|---|---|
| Aromatic C10-C12 | 4.502 | 6.378 | 5495483.000 | 40.000 | ug/ml |
| Aromatic C12-C16 | 6.379 | 9.083 | 8357375.000 | 60.000 | ug/ml |
| Aromatic C16-C21 | 9.084 | 13.405 | 10464575.000 | 80.000 | ug/ml |
| Aromatic C21-C36 | 13.406 | 18.870 | 22365155.000 | 180.000 | ug/ml |
| Aromatic EPH | 4.502 | 18.870 | 46682588.000 | 360.000 | ug/ml |

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# Continuing Calibration Report for SequenceID : FF111725AR

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|---|---|---|---|---|---|---|---|
| **File ID :** | **FF016731.D** | | | | | | |
| Aromatic C10-C12 | 5413826.000 | 40.000 | 4.502 | 6.378 | 135345.650 | 131963.544 | -2.563 |
| Aromatic C12-C16 | 8196999.000 | 60.000 | 6.379 | 9.083 | 136616.650 | 135166.617 | -1.073 |
| Aromatic C16-C21 | 10258552.000 | 80.000 | 9.084 | 13.405 | 128231.900 | 133743.127 | 4.121 |
| Aromatic C21-C36 | 22208488.000 | 180.000 | 13.406 | 18.870 | 123380.489 | 117666.204 | -4.856 |
| Aromatic EPH | 46077865.000 | 360.000 | 4.502 | 18.870 | 127994.069 | 125744.182 | -1.789 |

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| | | | |
|---|---|---|---|
| Lab Sample ID: | 20 PPM AROMATIC HC S | Acq On: | 17 Nov 2025 22:56 |
| Client Sample ID: | | Operator: | YP\AJ |
| Data file: | FF016731.D | Misc: | |
| Instrument: | FID_F | ALS Vial: | 61 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | Units |
|---|---|---|---|---|---|
| Aromatic C10-C12 | 4.502 | 6.378 | 5413826.000 | 40.000 | ug/ml |
| Aromatic C12-C16 | 6.379 | 9.083 | 8196999.000 | 60.000 | ug/ml |
| Aromatic C16-C21 | 9.084 | 13.405 | 10258552.000 | 80.000 | ug/ml |
| Aromatic C21-C36 | 13.406 | 18.870 | 22208488.000 | 180.000 | ug/ml |
| Aromatic EPH | 4.502 | 18.870 | 46077865.000 | 360.000 | ug/ml |

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# Continuing Calibration Report for SequenceID : FG111725AL

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|---|---|---|---|---|---|---|---|
| **File ID :** | **FG016925.D** | | | | | | |
| Aliphatic C9-C12 | 8312412.000 | 60.000 | 3.260 | 6.901 | 138540.200 | 122003.227 | -13.555 |
| Aliphatic C12-C16 | 5689870.000 | 40.000 | 6.902 | 10.358 | 142246.750 | 122851.240 | -15.788 |
| Aliphatic C16-C21 | 8956347.000 | 60.000 | 10.359 | 13.749 | 149272.450 | 132396.253 | -12.747 |
| Aliphatic C21-C28 | 11592307.000 | 80.000 | 13.750 | 17.436 | 144903.838 | 139034.659 | -4.221 |
| Aliphatic C28-C40 | 13646977.000 | 120.000 | 17.437 | 22.460 | 113724.808 | 113794.545 | 0.061 |
| Aliphatic EPH | 48197913.000 | 360.000 | 3.260 | 22.460 | 133883.092 | 124878.157 | -7.211 |

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| | | | |
|---|---|---|---|
| Lab Sample ID: | 20 PPM ALIPHATIC HC S | Acq On: | 17 Nov 2025 14:20 |
| Client Sample ID: | | Operator: | YP\AJ |
| Data file: | FG016925.D | Misc: | |
| Instrument: | FID_G | ALS Vial: | 11 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | Units |
|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.260 | 6.901 | 8312412.000 | 60.000 | ug/ml |
| Aliphatic C12-C16 | 6.902 | 10.358 | 5689870.000 | 40.000 | ug/ml |
| Aliphatic C16-C21 | 10.359 | 13.749 | 8956347.000 | 60.000 | ug/ml |
| Aliphatic C21-C28 | 13.750 | 17.436 | 11592307.000 | 80.000 | ug/ml |
| Aliphatic C28-C40 | 17.437 | 22.460 | 13646977.000 | 120.000 | ug/ml |
| Aliphatic EPH | 3.260 | 22.460 | 48197913.000 | 360.000 | ug/ml |

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# Continuing Calibration Report for SequenceID : FG111725AL

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|---|---|---|---|---|---|---|---|
| **File ID :** | **FG016938.D** | | | | | | |
| Aliphatic C9-C12 | 7912613.000 | 60.000 | 3.260 | 6.901 | 131876.883 | 122003.227 | -8.093 |
| Aliphatic C12-C16 | 5407778.000 | 40.000 | 6.902 | 10.358 | 135194.450 | 122851.240 | -10.047 |
| Aliphatic C16-C21 | 8530754.000 | 60.000 | 10.359 | 13.749 | 142179.233 | 132396.253 | -7.389 |
| Aliphatic C21-C28 | 10984596.000 | 80.000 | 13.750 | 17.436 | 137307.450 | 139034.659 | 1.242 |
| Aliphatic C28-C40 | 13085578.000 | 120.000 | 17.437 | 22.460 | 109046.483 | 113794.545 | 4.172 |
| Aliphatic EPH | 45921319.000 | 360.000 | 3.260 | 22.460 | 127559.219 | 124878.157 | -2.147 |

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| | | | |
|---|---|---|---|
| Lab Sample ID: | 20 PPM ALIPHATIC HC S | Acq On: | 17 Nov 2025 22:56 |
| Client Sample ID: | | Operator: | YP\AJ |
| Data file: | FG016938.D | Misc: | |
| Instrument: | FID_G | ALS Vial: | 11 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | Units |
|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.260 | 6.901 | 7912613.000 | 60.000 | ug/ml |
| Aliphatic C12-C16 | 6.902 | 10.358 | 5407778.000 | 40.000 | ug/ml |
| Aliphatic C16-C21 | 10.359 | 13.749 | 8530754.000 | 60.000 | ug/ml |
| Aliphatic C21-C28 | 13.750 | 17.436 | 10984596.000 | 80.000 | ug/ml |
| Aliphatic C28-C40 | 17.437 | 22.460 | 13085578.000 | 120.000 | ug/ml |
| Aliphatic EPH | 3.260 | 22.460 | 45921319.000 | 360.000 | ug/ml |

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# Continuing Calibration Report for SequenceID : FG112025AL

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|---|---|---|---|---|---|---|---|
| **File ID :** | **FG016956.D** | | | | | | |
| Aliphatic C9-C12 | 8189375.000 | 60.000 | 3.258 | 6.899 | 136489.583 | 122003.227 | -11.874 |
| Aliphatic C12-C16 | 5612132.000 | 40.000 | 6.900 | 10.356 | 140303.300 | 122851.240 | -14.206 |
| Aliphatic C16-C21 | 8831800.000 | 60.000 | 10.357 | 13.743 | 147196.667 | 132396.253 | -11.179 |
| Aliphatic C21-C28 | 11474845.000 | 80.000 | 13.744 | 17.429 | 143435.563 | 139034.659 | -3.165 |
| Aliphatic C28-C40 | 13319255.000 | 120.000 | 17.430 | 22.445 | 110993.792 | 113794.545 | 2.461 |
| Aliphatic EPH | 47427407.000 | 360.000 | 3.258 | 22.445 | 131742.797 | 124878.157 | -5.497 |

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| | | | |
|---|---|---|---|
| Lab Sample ID: | 20 PPM ALIPHATIC HC S | Acq On: | 20 Nov 2025 10:36 |
| Client Sample ID: | | Operator: | YP\AJ |
| Data file: | FG016956.D | Misc: | |
| Instrument: | FID_G | ALS Vial: | 11 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | Units |
|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.258 | 6.899 | 8189375.000 | 60.000 | ug/ml |
| Aliphatic C12-C16 | 6.900 | 10.356 | 5612132.000 | 40.000 | ug/ml |
| Aliphatic C16-C21 | 10.357 | 13.743 | 8831800.000 | 60.000 | ug/ml |
| Aliphatic C21-C28 | 13.744 | 17.429 | 11474845.000 | 80.000 | ug/ml |
| Aliphatic C28-C40 | 17.430 | 22.445 | 13319255.000 | 120.000 | ug/ml |
| Aliphatic EPH | 3.258 | 22.445 | 47427407.000 | 360.000 | ug/ml |

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# Continuing Calibration Report for SequenceID : FG112025AL

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|---|---|---|---|---|---|---|---|
| **File ID :** | **FG016963.D** | | | | | | |
| Aliphatic C9-C12 | 7779432.000 | 60.000 | 3.258 | 6.899 | 129657.200 | 122003.227 | -6.274 |
| Aliphatic C12-C16 | 5321494.000 | 40.000 | 6.900 | 10.356 | 133037.350 | 122851.240 | -8.291 |
| Aliphatic C16-C21 | 8375437.000 | 60.000 | 10.357 | 13.743 | 139590.617 | 132396.253 | -5.434 |
| Aliphatic C21-C28 | 10879586.000 | 80.000 | 13.744 | 17.429 | 135994.825 | 139034.659 | 2.186 |
| Aliphatic C28-C40 | 13293839.000 | 120.000 | 17.430 | 22.445 | 110781.992 | 113794.545 | 2.647 |
| Aliphatic EPH | 45649788.000 | 360.000 | 3.258 | 22.445 | 126804.967 | 124878.157 | -1.543 |

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| | | | |
|---|---|---|---|
| Lab Sample ID: | 20 PPM ALIPHATIC HC S | Acq On: | 20 Nov 2025 17:15 |
| Client Sample ID: | | Operator: | YP\AJ |
| Data file: | FG016963.D | Misc: | |
| Instrument: | FID_G | ALS Vial: | 11 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | Units |
|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.258 | 6.899 | 7779432.000 | 60.000 | ug/ml |
| Aliphatic C12-C16 | 6.900 | 10.356 | 5321494.000 | 40.000 | ug/ml |
| Aliphatic C16-C21 | 10.357 | 13.743 | 8375437.000 | 60.000 | ug/ml |
| Aliphatic C21-C28 | 13.744 | 17.429 | 10879586.000 | 80.000 | ug/ml |
| Aliphatic C28-C40 | 17.430 | 22.445 | 13293839.000 | 120.000 | ug/ml |
| Aliphatic EPH | 3.258 | 22.445 | 45649788.000 | 360.000 | ug/ml |

# SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016722.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 18:02
Operator : YP\AJ
Sample : Q3586-01
Misc :
ALS Vial : 76 Sample Multiplier: 1

**Instrument :**
FID_F
**ClientSampleId :**
SED-1

Integration File: autoint1.e
Quant Time: Nov 18 00:33:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| **System Monitoring Compounds** | | | |
| 4) S 2-Bromonaphthalene (S... | 8.009 | 5178641 | 45.699 ug/ml |
| Spiked Amount 50.000 | | Recovery = | 91.40% |
| 6) S 2-Flurobiphenyl (SURR) | 8.886 | 3463002 | 48.555 ug/ml |
| Spiked Amount 50.000 | Range 0 - 131 | Recovery = | 97.11% |
| 11) S ortho-Terphenyl (SURR) | 11.953 | 5739038 | 39.080 ug/ml |
| Spiked Amount 50.000 | | Recovery = | 78.16% |
| **Target Compounds** | | | |

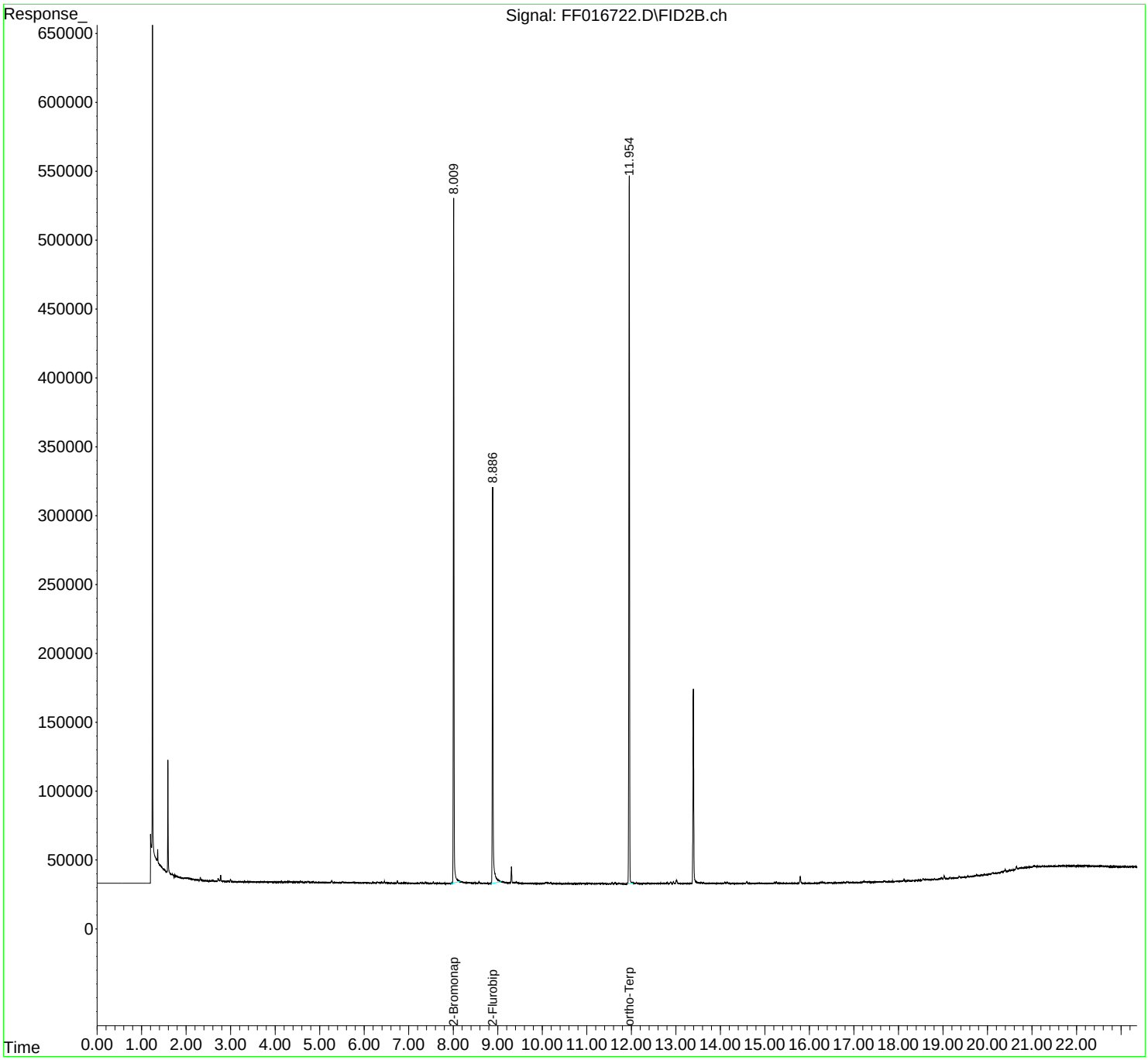
(f)=RT Delta > 1/2 Window (m)=manual int.

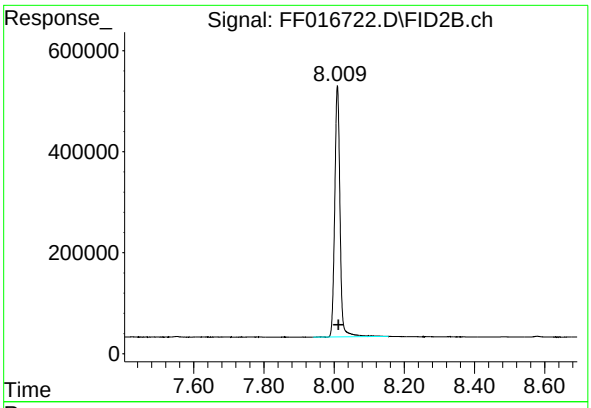
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016722.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 18:02
Operator : YP\AJ
Sample : Q3586-01
Misc :
ALS Vial : 76 Sample Multiplier: 1

**Instrument :**
FID_F
**ClientSampleId :**
SED-1

Integration File: autoint1.e
Quant Time: Nov 18 00:33:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

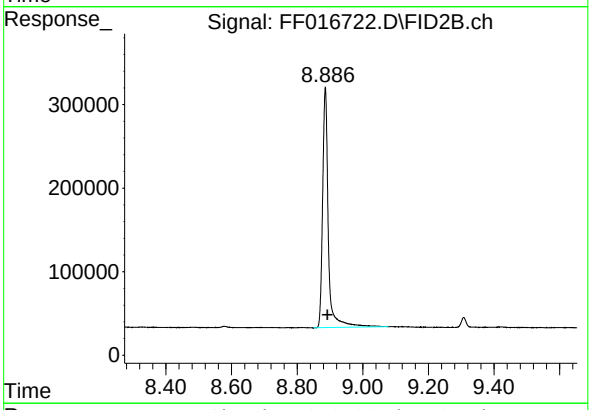





#4 2-Bromonaphthalene (SURR)

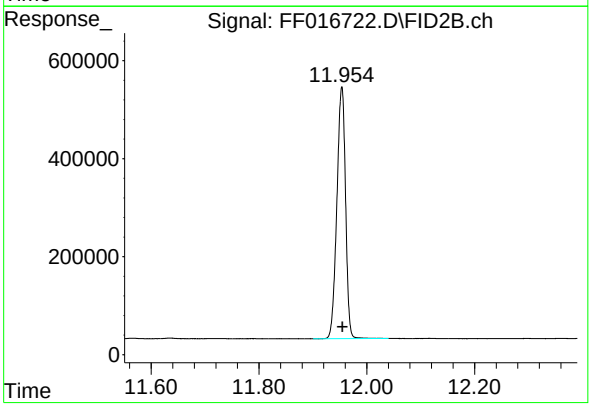
R.T.: 8.009 min
Delta R.T.: -0.003 min
Response: 5178641
Conc: 45.70 ug/ml

**Instrument :**
FID_F
**ClientSampleId :**
SED-1




#6 2-Flurobiphenyl (SURR)

R.T.: 8.886 min
Delta R.T.: -0.007 min
Response: 3463002
Conc: 48.55 ug/ml




#11 ortho-Terphenyl (SURR)

R.T.: 11.953 min
Delta R.T.: -0.001 min
Response: 5739038
Conc: 39.08 ug/ml

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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016722.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 18:02
Sample : Q3586-01
Misc :
ALS Vial : 76 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Title : GC Extractables

Signal : FID2B.ch

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|
| 1 | 4.426 | 4.422 | 4.459 | PV | 79 | 1046 | 0.02% | 0.006% |
| 2 | 4.475 | 4.459 | 4.506 | VV | 301 | 4736 | 0.08% | 0.025% |
| 3 | 4.567 | 4.534 | 4.585 | VV | 899 | 11801 | 0.20% | 0.063% |
| 4 | 4.604 | 4.585 | 4.631 | VV | 333 | 4965 | 0.09% | 0.026% |
| 5 | 4.637 | 4.631 | 4.662 | VV | 151 | 1801 | 0.03% | 0.010% |
| 6 | 4.680 | 4.662 | 4.705 | VV | 448 | 7536 | 0.13% | 0.040% |
| 7 | 4.733 | 4.705 | 4.747 | VV | 913 | 10811 | 0.19% | 0.058% |
| 8 | 4.756 | 4.747 | 4.777 | VV | 658 | 7231 | 0.13% | 0.039% |
| 9 | 4.783 | 4.777 | 4.801 | VV | 196 | 1931 | 0.03% | 0.010% |
| 10 | 4.818 | 4.801 | 4.833 | VV | 431 | 4738 | 0.08% | 0.025% |
| 11 | 4.853 | 4.833 | 4.875 | VV | 885 | 8968 | 0.16% | 0.048% |
| 12 | 4.883 | 4.875 | 4.910 | VV | 175 | 2574 | 0.04% | 0.014% |
| 13 | 4.931 | 4.917 | 4.940 | VV | 190 | 1955 | 0.03% | 0.010% |
| 14 | 4.985 | 4.940 | 5.005 | VV | 229 | 5397 | 0.09% | 0.029% |
| 15 | 5.030 | 5.005 | 5.042 | VV | 185 | 2163 | 0.04% | 0.012% |
| 16 | 5.067 | 5.042 | 5.107 | VV | 261 | 5051 | 0.09% | 0.027% |
| 17 | 5.119 | 5.107 | 5.134 | VV | 149 | 1302 | 0.02% | 0.007% |
| 18 | 5.147 | 5.134 | 5.160 | VV | 152 | 1542 | 0.03% | 0.008% |
| 19 | 5.182 | 5.170 | 5.194 | VV | 202 | 1699 | 0.03% | 0.009% |
| 20 | 5.214 | 5.194 | 5.225 | VV | 202 | 1720 | 0.03% | 0.009% |
| 21 | 5.246 | 5.225 | 5.253 | VV | 245 | 2818 | 0.05% | 0.015% |
| 22 | 5.272 | 5.253 | 5.308 | VV | 1824 | 22772 | 0.39% | 0.121% |
| 23 | 5.332 | 5.308 | 5.368 | VV | 472 | 7656 | 0.13% | 0.041% |
| 24 | 5.389 | 5.368 | 5.428 | VV | 307 | 5430 | 0.09% | 0.029% |
| 25 | 5.449 | 5.443 | 5.474 | VV | 80 | 1551 | 0.03% | 0.008% |
| 26 | 5.487 | 5.474 | 5.495 | VV | 140 | 1191 | 0.02% | 0.006% |
| 27 | 5.517 | 5.495 | 5.552 | VV | 916 | 15754 | 0.27% | 0.084% |
| 28 | 5.563 | 5.552 | 5.569 | VV | 349 | 2890 | 0.05% | 0.015% |
| 29 | 5.572 | 5.569 | 5.584 | VV | 299 | 2573 | 0.04% | 0.014% |
| 30 | 5.587 | 5.584 | 5.624 | VV | 269 | 4608 | 0.08% | 0.025% |
| 31 | 5.627 | 5.624 | 5.642 | VV | 156 | 1303 | 0.02% | 0.007% |
| 32 | 5.648 | 5.642 | 5.660 | VV | 199 | 1380 | 0.02% | 0.007% |
| 33 | 5.671 | 5.660 | 5.681 | VV | 228 | 2093 | 0.04% | 0.011% |
| 34 | 5.707 | 5.692 | 5.726 | VV | 503 | 6839 | 0.12% | 0.036% |
| 35 | 5.756 | 5.726 | 5.780 | VV | 607 | 11148 | 0.19% | 0.059% |
| 36 | 5.809 | 5.780 | 5.818 | VV | 293 | 3851 | 0.07% | 0.021% |

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|---|---|---|---|---|---|---|---|---|
| 37 | 5.820 | 5.818 | 5.834 | VV | 184 | 1322 | 0.02% | 0.007% |
| 38 | 5.859 | 5.844 | 5.877 | VV | 227 | 2969 | 0.05% | 0.016% |
| 39 | 5.909 | 5.887 | 5.952 | VV | 262 | 5653 | 0.10% | 0.030% |
| 40 | 5.971 | 5.952 | 5.986 | VV | 227 | 2327 | 0.04% | 0.012% |
| 41 | 6.007 | 5.986 | 6.039 | VV | 229 | 5337 | 0.09% | 0.028% |
| 42 | 6.059 | 6.039 | 6.069 | VV | 333 | 3097 | 0.05% | 0.017% |
| 43 | 6.082 | 6.069 | 6.121 | VV | 312 | 5056 | 0.09% | 0.027% |
| 44 | 6.147 | 6.121 | 6.162 | PV | 155 | 2128 | 0.04% | 0.011% |
| 45 | 6.198 | 6.174 | 6.230 | VV | 598 | 9389 | 0.16% | 0.050% |
| 46 | 6.245 | 6.230 | 6.269 | VV | 312 | 4852 | 0.08% | 0.026% |
| 47 | 6.292 | 6.269 | 6.332 | VV | 745 | 18630 | 0.32% | 0.099% |
| 48 | 6.345 | 6.332 | 6.371 | VV | 624 | 8752 | 0.15% | 0.047% |
| 49 | 6.390 | 6.371 | 6.417 | VV | 956 | 13717 | 0.24% | 0.073% |
| 50 | 6.422 | 6.417 | 6.431 | VV | 252 | 1837 | 0.03% | 0.010% |
| 51 | 6.457 | 6.431 | 6.493 | VV | 1343 | 17606 | 0.30% | 0.094% |
| 52 | 6.518 | 6.493 | 6.527 | VV | 323 | 5109 | 0.09% | 0.027% |
| 53 | 6.532 | 6.527 | 6.559 | VV | 338 | 4631 | 0.08% | 0.025% |
| 54 | 6.572 | 6.559 | 6.602 | VV | 194 | 4805 | 0.08% | 0.026% |
| 55 | 6.609 | 6.602 | 6.645 | VV | 215 | 4282 | 0.07% | 0.023% |
| 56 | 6.746 | 6.717 | 6.779 | VV | 2004 | 24525 | 0.42% | 0.131% |
| 57 | 6.786 | 6.779 | 6.794 | VV | 160 | 1154 | 0.02% | 0.006% |
| 58 | 6.799 | 6.794 | 6.810 | VV | 134 | 1070 | 0.02% | 0.006% |
| 59 | 6.833 | 6.810 | 6.848 | VV | 357 | 4932 | 0.09% | 0.026% |
| 60 | 6.871 | 6.848 | 6.885 | VV | 329 | 4948 | 0.09% | 0.026% |
| 61 | 6.900 | 6.885 | 6.925 | VV | 757 | 9744 | 0.17% | 0.052% |
| 62 | 6.935 | 6.925 | 6.952 | VV | 333 | 3527 | 0.06% | 0.019% |
| 63 | 6.974 | 6.952 | 7.002 | VV | 522 | 7563 | 0.13% | 0.040% |
| 64 | 7.032 | 7.002 | 7.054 | VV | 223 | 4326 | 0.07% | 0.023% |
| 65 | 7.089 | 7.054 | 7.121 | PV | 194 | 3720 | 0.06% | 0.020% |
| 66 | 7.147 | 7.134 | 7.182 | VV | 239 | 3080 | 0.05% | 0.016% |
| 67 | 7.202 | 7.182 | 7.235 | VV | 419 | 6449 | 0.11% | 0.034% |
| 68 | 7.258 | 7.235 | 7.298 | VV | 588 | 13871 | 0.24% | 0.074% |
| 69 | 7.324 | 7.298 | 7.347 | VV | 610 | 11230 | 0.19% | 0.060% |
| 70 | 7.388 | 7.347 | 7.408 | VV | 698 | 15199 | 0.26% | 0.081% |
| 71 | 7.425 | 7.408 | 7.444 | VV | 483 | 6618 | 0.11% | 0.035% |
| 72 | 7.447 | 7.444 | 7.460 | VV | 140 | 1197 | 0.02% | 0.006% |
| 73 | 7.464 | 7.460 | 7.482 | VV | 182 | 1730 | 0.03% | 0.009% |
| 74 | 7.493 | 7.482 | 7.517 | VV | 227 | 3272 | 0.06% | 0.017% |
| 75 | 7.522 | 7.517 | 7.530 | VV | 194 | 1195 | 0.02% | 0.006% |
| 76 | 7.551 | 7.530 | 7.588 | VV | 1250 | 15769 | 0.27% | 0.084% |
| 77 | 7.612 | 7.588 | 7.621 | VV | 286 | 3312 | 0.06% | 0.018% |
| 78 | 7.627 | 7.621 | 7.634 | VV | 238 | 1492 | 0.03% | 0.008% |
| 79 | 7.640 | 7.634 | 7.650 | VV | 776 | 1960 | 0.03% | 0.010% |
| 80 | 7.662 | 7.650 | 7.675 | VV | 240 | 2695 | 0.05% | 0.014% |
| 81 | 7.697 | 7.675 | 7.714 | VV | 357 | 5530 | 0.10% | 0.030% |
| 82 | 7.722 | 7.714 | 7.745 | VV | 148 | 1973 | 0.03% | 0.011% |
| 83 | 7.764 | 7.745 | 7.779 | VV | 278 | 4174 | 0.07% | 0.022% |
| 84 | 7.787 | 7.779 | 7.811 | VV | 223 | 2730 | 0.05% | 0.015% |
| 85 | 7.832 | 7.811 | 7.836 | PV | 117 | 1021 | 0.02% | 0.005% |
| 86 | 7.860 | 7.836 | 7.886 | VV | 185 | 3221 | 0.06% | 0.017% |
| 87 | 7.910 | 7.902 | 7.921 | VV | 190 | 1318 | 0.02% | 0.007% |
| 88 | 7.962 | 7.943 | 7.978 | VV | 530 | 5582 | 0.10% | 0.030% |
| 89 | 8.010 | 7.978 | 8.102 | VV | 497578 | 5206894 | 90.14% | 27.777% |

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|---|---|---|---|---|---|---|---|---|
| 90 | 8.110 | 8.102 | 8.219 | VV | 2514 | 112544 | 1.95% | 0.600% |
| 91 | 8.224 | 8.219 | 8.249 | VV | 997 | 15924 | 0.28% | 0.085% |
| 92 | 8.273 | 8.249 | 8.307 | VV | 951 | 27454 | 0.48% | 0.146% |
| 93 | 8.328 | 8.307 | 8.352 | VV | 946 | 19181 | 0.33% | 0.102% |
| 94 | 8.357 | 8.352 | 8.365 | VV | 564 | 4454 | 0.08% | 0.024% |
| 95 | 8.371 | 8.365 | 8.385 | VV | 600 | 6146 | 0.11% | 0.033% |
| 96 | 8.392 | 8.385 | 8.419 | VV | 502 | 8620 | 0.15% | 0.046% |
| 97 | 8.425 | 8.419 | 8.456 | VV | 413 | 8353 | 0.14% | 0.045% |
| 98 | 8.483 | 8.456 | 8.519 | VV | 675 | 17491 | 0.30% | 0.093% |
| 99 | 8.525 | 8.519 | 8.546 | VV | 385 | 5644 | 0.10% | 0.030% |
| 100 | 8.578 | 8.546 | 8.636 | VV | 1862 | 33983 | 0.59% | 0.181% |
| 101 | 8.642 | 8.636 | 8.652 | VV | 319 | 2188 | 0.04% | 0.012% |
| 102 | 8.658 | 8.652 | 8.661 | VV | 251 | 1060 | 0.02% | 0.006% |
| 103 | 8.676 | 8.661 | 8.683 | VV | 396 | 4381 | 0.08% | 0.023% |
| 104 | 8.687 | 8.683 | 8.691 | VV | 359 | 1638 | 0.03% | 0.009% |
| 105 | 8.694 | 8.691 | 8.701 | VV | 378 | 1920 | 0.03% | 0.010% |
| 106 | 8.706 | 8.701 | 8.717 | VV | 344 | 2723 | 0.05% | 0.015% |
| 107 | 8.723 | 8.717 | 8.757 | VV | 382 | 5814 | 0.10% | 0.031% |
| 108 | 8.771 | 8.757 | 8.797 | VV | 296 | 4506 | 0.08% | 0.024% |
| 109 | 8.813 | 8.797 | 8.842 | VV | 374 | 5736 | 0.10% | 0.031% |
| 110 | 8.886 | 8.850 | 9.110 | VV | 287928 | 3599460 | 62.31% | 19.202% |
| 111 | 9.124 | 9.110 | 9.174 | VV | 1361 | 42932 | 0.74% | 0.229% |
| 112 | 9.182 | 9.174 | 9.206 | VV | 901 | 14941 | 0.26% | 0.080% |
| 113 | 9.212 | 9.206 | 9.221 | VV | 753 | 6051 | 0.10% | 0.032% |
| 114 | 9.230 | 9.221 | 9.252 | VV | 748 | 11986 | 0.21% | 0.064% |
| 115 | 9.259 | 9.252 | 9.281 | VV | 667 | 10089 | 0.17% | 0.054% |
| 116 | 9.308 | 9.281 | 9.357 | VV | 12449 | 150087 | 2.60% | 0.801% |
| 117 | 9.362 | 9.357 | 9.372 | VV | 709 | 5945 | 0.10% | 0.032% |
| 118 | 9.376 | 9.372 | 9.378 | VV | 639 | 2484 | 0.04% | 0.013% |
| 119 | 9.388 | 9.378 | 9.400 | VV | 737 | 9390 | 0.16% | 0.050% |
| 120 | 9.421 | 9.400 | 9.452 | VV | 1179 | 24711 | 0.43% | 0.132% |
| 121 | 9.460 | 9.452 | 9.483 | VV | 543 | 9010 | 0.16% | 0.048% |
| 122 | 9.495 | 9.483 | 9.518 | VV | 495 | 8150 | 0.14% | 0.043% |
| 123 | 9.528 | 9.518 | 9.532 | VV | 330 | 2507 | 0.04% | 0.013% |
| 124 | 9.542 | 9.532 | 9.577 | VV | 381 | 7533 | 0.13% | 0.040% |
| 125 | 9.598 | 9.577 | 9.618 | VV | 393 | 7749 | 0.13% | 0.041% |
| 126 | 9.626 | 9.618 | 9.675 | VV | 349 | 8202 | 0.14% | 0.044% |
| 127 | 9.700 | 9.675 | 9.712 | VV | 329 | 5465 | 0.09% | 0.029% |
| 128 | 9.716 | 9.712 | 9.738 | VV | 278 | 2681 | 0.05% | 0.014% |
| 129 | 9.742 | 9.738 | 9.755 | VV | 193 | 1459 | 0.03% | 0.008% |
| 130 | 9.774 | 9.755 | 9.809 | VV | 409 | 8901 | 0.15% | 0.047% |
| 131 | 9.816 | 9.809 | 9.840 | VV | 163 | 3033 | 0.05% | 0.016% |
| 132 | 9.858 | 9.840 | 9.872 | VV | 260 | 3671 | 0.06% | 0.020% |
| 133 | 9.876 | 9.872 | 9.884 | VV | 202 | 1194 | 0.02% | 0.006% |
| 134 | 9.890 | 9.884 | 9.897 | VV | 188 | 1217 | 0.02% | 0.006% |
| 135 | 9.917 | 9.897 | 9.955 | VV | 314 | 6539 | 0.11% | 0.035% |
| 136 | 9.966 | 9.955 | 9.995 | VV | 286 | 4635 | 0.08% | 0.025% |
| 137 | 10.022 | 9.995 | 10.048 | VV | 512 | 8501 | 0.15% | 0.045% |
| 138 | 10.074 | 10.048 | 10.095 | VV | 928 | 18998 | 0.33% | 0.101% |
| 139 | 10.109 | 10.095 | 10.128 | VV | 987 | 15847 | 0.27% | 0.085% |
| 140 | 10.132 | 10.128 | 10.169 | VV | 648 | 11328 | 0.20% | 0.060% |
| 141 | 10.189 | 10.169 | 10.215 | VV | 1119 | 17908 | 0.31% | 0.096% |

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|---|---|---|---|---|---|---|---|---|
| 142 | 10.220 | 10.215 | 10.239 | VV | 348 | 3401 | 0.06% | 0.018% |
| 143 | 10.255 | 10.239 | 10.280 | VV | 304 | 5538 | 0.10% | 0.030% |
| 144 | 10.284 | 10.280 | 10.300 | VV | 194 | 2340 | 0.04% | 0.012% |
| 145 | 10.304 | 10.300 | 10.317 | VV | 191 | 1649 | 0.03% | 0.009% |
| 146 | 10.325 | 10.317 | 10.336 | VV | 178 | 1911 | 0.03% | 0.010% |
| 147 | 10.354 | 10.344 | 10.369 | VV | 219 | 2456 | 0.04% | 0.013% |
| 148 | 10.372 | 10.369 | 10.385 | VV | 174 | 1243 | 0.02% | 0.007% |
| 149 | 10.392 | 10.385 | 10.444 | VV | 176 | 4298 | 0.07% | 0.023% |
| 150 | 10.467 | 10.444 | 10.487 | VV | 107 | 2414 | 0.04% | 0.013% |
| 151 | 10.511 | 10.487 | 10.546 | VV | 285 | 5992 | 0.10% | 0.032% |
| 152 | 10.581 | 10.546 | 10.600 | VV | 218 | 5068 | 0.09% | 0.027% |
| 153 | 10.615 | 10.600 | 10.643 | VV | 314 | 5023 | 0.09% | 0.027% |
| 154 | 10.675 | 10.643 | 10.689 | VV | 203 | 3493 | 0.06% | 0.019% |
| 155 | 10.710 | 10.689 | 10.731 | VV | 347 | 4923 | 0.09% | 0.026% |
| 156 | 10.744 | 10.731 | 10.777 | VV | 251 | 4568 | 0.08% | 0.024% |
| 157 | 10.794 | 10.777 | 10.802 | VV | 251 | 2671 | 0.05% | 0.014% |
| 158 | 10.813 | 10.802 | 10.845 | VV | 256 | 5304 | 0.09% | 0.028% |
| 159 | 10.865 | 10.845 | 10.896 | VV | 311 | 7501 | 0.13% | 0.040% |
| 160 | 10.927 | 10.896 | 10.967 | VV | 417 | 11708 | 0.20% | 0.062% |
| 161 | 10.980 | 10.967 | 11.005 | VV | 283 | 4605 | 0.08% | 0.025% |
| 162 | 11.055 | 11.005 | 11.092 | VV | 602 | 16072 | 0.28% | 0.086% |
| 163 | 11.118 | 11.092 | 11.140 | VV | 228 | 5038 | 0.09% | 0.027% |
| 164 | 11.148 | 11.140 | 11.176 | VV | 198 | 2795 | 0.05% | 0.015% |
| 165 | 11.219 | 11.176 | 11.232 | VV | 187 | 4655 | 0.08% | 0.025% |
| 166 | 11.241 | 11.232 | 11.258 | VV | 240 | 2839 | 0.05% | 0.015% |
| 167 | 11.266 | 11.258 | 11.296 | VV | 214 | 4146 | 0.07% | 0.022% |
| 168 | 11.308 | 11.296 | 11.333 | VV | 223 | 4452 | 0.08% | 0.024% |
| 169 | 11.351 | 11.333 | 11.407 | VV | 254 | 8100 | 0.14% | 0.043% |
| 170 | 11.435 | 11.407 | 11.455 | VV | 241 | 3474 | 0.06% | 0.019% |
| 171 | 11.468 | 11.455 | 11.479 | VV | 142 | 1124 | 0.02% | 0.006% |
| 172 | 11.489 | 11.479 | 11.507 | VV | 136 | 1249 | 0.02% | 0.007% |
| 173 | 11.518 | 11.507 | 11.539 | VV | 151 | 1336 | 0.02% | 0.007% |
| 174 | 11.565 | 11.539 | 11.600 | PV | 1046 | 15494 | 0.27% | 0.083% |
| 175 | 11.635 | 11.600 | 11.669 | VV | 1334 | 20313 | 0.35% | 0.108% |
| 176 | 11.678 | 11.669 | 11.696 | VV | 190 | 2242 | 0.04% | 0.012% |
| 177 | 11.713 | 11.696 | 11.750 | VV | 364 | 7000 | 0.12% | 0.037% |
| 178 | 11.765 | 11.750 | 11.812 | VV | 151 | 3969 | 0.07% | 0.021% |
| 179 | 11.839 | 11.812 | 11.847 | VV | 135 | 1581 | 0.03% | 0.008% |
| 180 | 11.858 | 11.847 | 11.901 | VV | 93 | 1863 | 0.03% | 0.010% |
| 181 | 11.953 | 11.901 | 12.080 | PV | 515456 | 5776486 | 100.00% | 30.815% |
| 182 | 12.116 | 12.080 | 12.187 | VV | 827 | 23380 | 0.40% | 0.125% |
| 183 | 12.204 | 12.187 | 12.213 | VV | 192 | 2639 | 0.05% | 0.014% |
| 184 | 12.225 | 12.213 | 12.239 | VV | 250 | 2880 | 0.05% | 0.015% |
| 185 | 12.297 | 12.239 | 12.332 | VV | 545 | 15574 | 0.27% | 0.083% |
| 186 | 12.360 | 12.332 | 12.379 | VV | 730 | 12082 | 0.21% | 0.064% |
| 187 | 12.398 | 12.379 | 12.432 | VV | 748 | 12367 | 0.21% | 0.066% |
| 188 | 12.439 | 12.432 | 12.454 | VV | 229 | 2474 | 0.04% | 0.013% |
| 189 | 12.460 | 12.454 | 12.494 | VV | 267 | 3726 | 0.06% | 0.020% |
| 190 | 12.524 | 12.494 | 12.564 | VV | 439 | 10277 | 0.18% | 0.055% |
| 191 | 12.590 | 12.564 | 12.615 | VV | 315 | 6889 | 0.12% | 0.037% |
| 192 | 12.631 | 12.615 | 12.645 | VV | 356 | 5005 | 0.09% | 0.027% |
| 193 | 12.659 | 12.645 | 12.705 | VV | 535 | 12701 | 0.22% | 0.068% |
| 194 | 12.729 | 12.705 | 12.752 | VV | 374 | 7899 | 0.14% | 0.042% |

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|---|---|---|---|---|---|---|---|---|
| 195 | 12.807 | 12.752 | 12.842 | VV | 991 | 21810 | 0.38% | 0.116% |
| 196 | 12.885 | 12.842 | 12.920 | VV | 1362 | 26262 | 0.45% | 0.140% |
| 197 | 12.946 | 12.920 | 12.985 | VV | 1633 | 25523 | 0.44% | 0.136% |
| 198 | 13.016 | 12.985 | 13.059 | VV | 2821 | 51278 | 0.89% | 0.274% |
| 199 | 13.064 | 13.059 | 13.098 | VV | 238 | 3491 | 0.06% | 0.019% |
| 200 | 13.111 | 13.098 | 13.129 | VV | 114 | 1392 | 0.02% | 0.007% |
| 201 | 13.151 | 13.129 | 13.177 | VV | 276 | 3796 | 0.07% | 0.020% |
| 202 | 13.239 | 13.177 | 13.290 | VV | 269 | 11384 | 0.20% | 0.061% |
| 203 | 13.393 | 13.290 | 13.535 | VV | 141433 | 1822023 | 31.54% | 9.720% |
| 204 | 13.559 | 13.535 | 13.597 | VV | 716 | 19060 | 0.33% | 0.102% |
| 205 | 13.620 | 13.597 | 13.675 | VV | 660 | 19804 | 0.34% | 0.106% |
| 206 | 13.685 | 13.675 | 13.715 | VV | 345 | 6121 | 0.11% | 0.033% |
| 207 | 13.758 | 13.715 | 13.798 | VV | 419 | 13627 | 0.24% | 0.073% |
| 208 | 13.832 | 13.798 | 13.876 | VV | 387 | 12331 | 0.21% | 0.066% |
| 209 | 13.896 | 13.876 | 13.923 | VV | 258 | 5354 | 0.09% | 0.029% |
| 210 | 13.932 | 13.923 | 13.940 | VV | 198 | 1827 | 0.03% | 0.010% |
| 211 | 13.949 | 13.940 | 13.956 | VV | 237 | 1884 | 0.03% | 0.010% |
| 212 | 13.966 | 13.956 | 13.992 | VV | 264 | 4756 | 0.08% | 0.025% |
| 213 | 14.005 | 13.992 | 14.055 | VV | 306 | 7423 | 0.13% | 0.040% |
| 214 | 14.098 | 14.055 | 14.125 | VV | 1109 | 19870 | 0.34% | 0.106% |
| 215 | 14.149 | 14.125 | 14.200 | VV | 1288 | 23071 | 0.40% | 0.123% |
| 216 | 14.207 | 14.200 | 14.226 | VV | 230 | 2493 | 0.04% | 0.013% |
| 217 | 14.267 | 14.226 | 14.320 | VV | 267 | 7117 | 0.12% | 0.038% |
| 218 | 14.357 | 14.320 | 14.372 | VV | 206 | 3531 | 0.06% | 0.019% |
| 219 | 14.387 | 14.372 | 14.506 | VV | 190 | 7130 | 0.12% | 0.038% |
| 220 | 14.524 | 14.506 | 14.536 | PV | 195 | 1688 | 0.03% | 0.009% |
| 221 | 14.591 | 14.536 | 14.688 | VV | 1281 | 33458 | 0.58% | 0.178% |
| 222 | 14.712 | 14.688 | 14.741 | VV | 285 | 5319 | 0.09% | 0.028% |
| 223 | 14.750 | 14.741 | 14.772 | VV | 123 | 2025 | 0.04% | 0.011% |
| 224 | 14.780 | 14.772 | 14.790 | VV | 143 | 1110 | 0.02% | 0.006% |
| 225 | 14.820 | 14.790 | 14.832 | VV | 243 | 4402 | 0.08% | 0.023% |
| 226 | 14.867 | 14.832 | 14.913 | VV | 412 | 12326 | 0.21% | 0.066% |
| 227 | 14.921 | 14.913 | 14.955 | VV | 205 | 3488 | 0.06% | 0.019% |
| 228 | 14.972 | 14.955 | 14.981 | VV | 146 | 1759 | 0.03% | 0.009% |
| 229 | 15.000 | 14.981 | 15.019 | VV | 125 | 2319 | 0.04% | 0.012% |
| 230 | 15.056 | 15.019 | 15.084 | VV | 392 | 7559 | 0.13% | 0.040% |
| 231 | 15.103 | 15.084 | 15.130 | VV | 137 | 2747 | 0.05% | 0.015% |
| 232 | 15.142 | 15.130 | 15.179 | VV | 196 | 2598 | 0.04% | 0.014% |
| 233 | 15.215 | 15.179 | 15.239 | VV | 778 | 16198 | 0.28% | 0.086% |
| 234 | 15.256 | 15.239 | 15.297 | VV | 1188 | 21230 | 0.37% | 0.113% |
| 235 | 15.312 | 15.297 | 15.392 | VV | 381 | 11929 | 0.21% | 0.064% |
| 236 | 15.431 | 15.392 | 15.457 | VV | 275 | 7094 | 0.12% | 0.038% |
| 237 | 15.480 | 15.457 | 15.514 | VV | 202 | 3783 | 0.07% | 0.020% |
| 238 | 15.533 | 15.514 | 15.542 | PV | 109 | 1011 | 0.02% | 0.005% |
| 239 | 15.564 | 15.542 | 15.624 | VV | 168 | 3794 | 0.07% | 0.020% |
| 240 | 15.671 | 15.624 | 15.709 | VV | 197 | 5418 | 0.09% | 0.029% |
| 241 | 15.794 | 15.709 | 15.875 | VV | 5079 | 80248 | 1.39% | 0.428% |
| 242 | 15.905 | 15.875 | 15.952 | VV | 171 | 5191 | 0.09% | 0.028% |
| 243 | 15.993 | 15.952 | 16.014 | PV | 125 | 3537 | 0.06% | 0.019% |
| 244 | 16.058 | 16.039 | 16.072 | PV | 129 | 1525 | 0.03% | 0.008% |
| 245 | 16.103 | 16.072 | 16.130 | VV | 132 | 4205 | 0.07% | 0.022% |
| 246 | 16.138 | 16.130 | 16.167 | VV | 171 | 2694 | 0.05% | 0.014% |

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|---|---|---|---|---|---|---|---|---|
| 247 | 16.178 | 16.167 | 16.195 | VV | 160 | 1526 | 0.03% | 0.008% |
| 248 | 16.244 | 16.195 | 16.260 | VV | 527 | 9421 | 0.16% | 0.050% |
| 249 | 16.281 | 16.260 | 16.366 | VV | 933 | 21237 | 0.37% | 0.113% |
| 250 | 16.376 | 16.366 | 16.396 | VV | 146 | 1927 | 0.03% | 0.010% |
| 251 | 16.424 | 16.396 | 16.451 | VV | 179 | 3819 | 0.07% | 0.020% |
| 252 | 16.458 | 16.451 | 16.490 | VV | 144 | 2160 | 0.04% | 0.012% |
| 253 | 16.500 | 16.490 | 16.519 | VV | 61 | 1276 | 0.02% | 0.007% |
| 254 | 16.548 | 16.539 | 16.566 | VV | 76 | 1085 | 0.02% | 0.006% |
| 255 | 16.591 | 16.566 | 16.615 | VV | 132 | 2884 | 0.05% | 0.015% |
| 256 | 16.628 | 16.615 | 16.647 | PV | 140 | 1283 | 0.02% | 0.007% |
| 257 | 16.715 | 16.674 | 16.729 | VV | 115 | 2523 | 0.04% | 0.013% |
| 258 | 16.768 | 16.729 | 16.790 | VV | 482 | 9587 | 0.17% | 0.051% |
| 259 | 16.805 | 16.790 | 16.814 | VV | 209 | 2197 | 0.04% | 0.012% |
| 260 | 16.849 | 16.814 | 16.905 | VV | 960 | 20778 | 0.36% | 0.111% |
| 261 | 16.926 | 16.905 | 16.978 | VV | 240 | 8102 | 0.14% | 0.043% |
| 262 | 17.006 | 16.978 | 17.025 | VV | 200 | 3916 | 0.07% | 0.021% |
| 263 | 17.065 | 17.025 | 17.099 | VV | 116 | 3018 | 0.05% | 0.016% |
| 264 | 17.139 | 17.099 | 17.159 | PV | 169 | 3646 | 0.06% | 0.019% |
| 265 | 17.234 | 17.159 | 17.267 | VV | 924 | 29869 | 0.52% | 0.159% |
| 266 | 17.282 | 17.267 | 17.311 | VV | 362 | 6897 | 0.12% | 0.037% |
| 267 | 17.328 | 17.311 | 17.374 | VV | 228 | 5149 | 0.09% | 0.027% |
| 268 | 17.388 | 17.374 | 17.400 | VV | 98 | 1256 | 0.02% | 0.007% |
| 269 | 17.428 | 17.400 | 17.452 | VV | 172 | 2613 | 0.05% | 0.014% |
| 270 | 17.488 | 17.452 | 17.495 | VV | 126 | 2236 | 0.04% | 0.012% |
| 271 | 17.527 | 17.495 | 17.543 | PV | 163 | 2800 | 0.05% | 0.015% |
| 272 | 17.569 | 17.543 | 17.590 | VV | 288 | 5333 | 0.09% | 0.028% |
| 273 | 17.600 | 17.590 | 17.639 | VV | 171 | 3195 | 0.06% | 0.017% |
| 274 | 17.687 | 17.639 | 17.722 | VV | 850 | 15604 | 0.27% | 0.083% |
| 275 | 17.794 | 17.739 | 17.837 | VV | 114 | 4258 | 0.07% | 0.023% |
| 276 | 17.871 | 17.837 | 17.889 | PV | 204 | 1667 | 0.03% | 0.009% |
| 277 | 18.017 | 17.889 | 18.025 | PV | 73 | 4407 | 0.08% | 0.024% |
| 278 | 18.126 | 18.025 | 18.155 | PV | 1054 | 22018 | 0.38% | 0.117% |
| 279 | 18.218 | 18.155 | 18.251 | VV | 245 | 6818 | 0.12% | 0.036% |
| 280 | 18.416 | 18.251 | 18.428 | VV | 122 | 3555 | 0.06% | 0.019% |
| 281 | 18.446 | 18.428 | 18.472 | VV | 206 | 2371 | 0.04% | 0.013% |
| 282 | 18.511 | 18.472 | 18.523 | PV | 110 | 2348 | 0.04% | 0.013% |
| 283 | 18.554 | 18.523 | 18.588 | VV | 1096 | 21866 | 0.38% | 0.117% |
| 284 | 18.608 | 18.588 | 18.631 | VV | 476 | 10066 | 0.17% | 0.054% |
| 285 | 18.637 | 18.631 | 18.717 | VV | 339 | 9927 | 0.17% | 0.053% |
| 286 | 18.819 | 18.717 | 18.851 | PBA | 145 | 7825 | 0.14% | 0.042% |

Sum of corrected areas: 18745410

Aromatic EPH 102925.M Tue Nov 18 01:15:33 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
Data File : FG016929.D
Signal(s) : FID1A.ch
Acq On : 17 Nov 2025 18:02
Operator : YP\AJ
Sample : Q3586-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
SED-1

Integration File: autoint1.e
Quant Time: Nov 18 01:22:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 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 | | | |
| 12) S 1-chlorooctadecane (S... | 13.481 | 5117800 | 42.495 ug/ml |
| Spiked Amount 50.000 | | Recovery = 84.99% | |
| Target Compounds | | | |

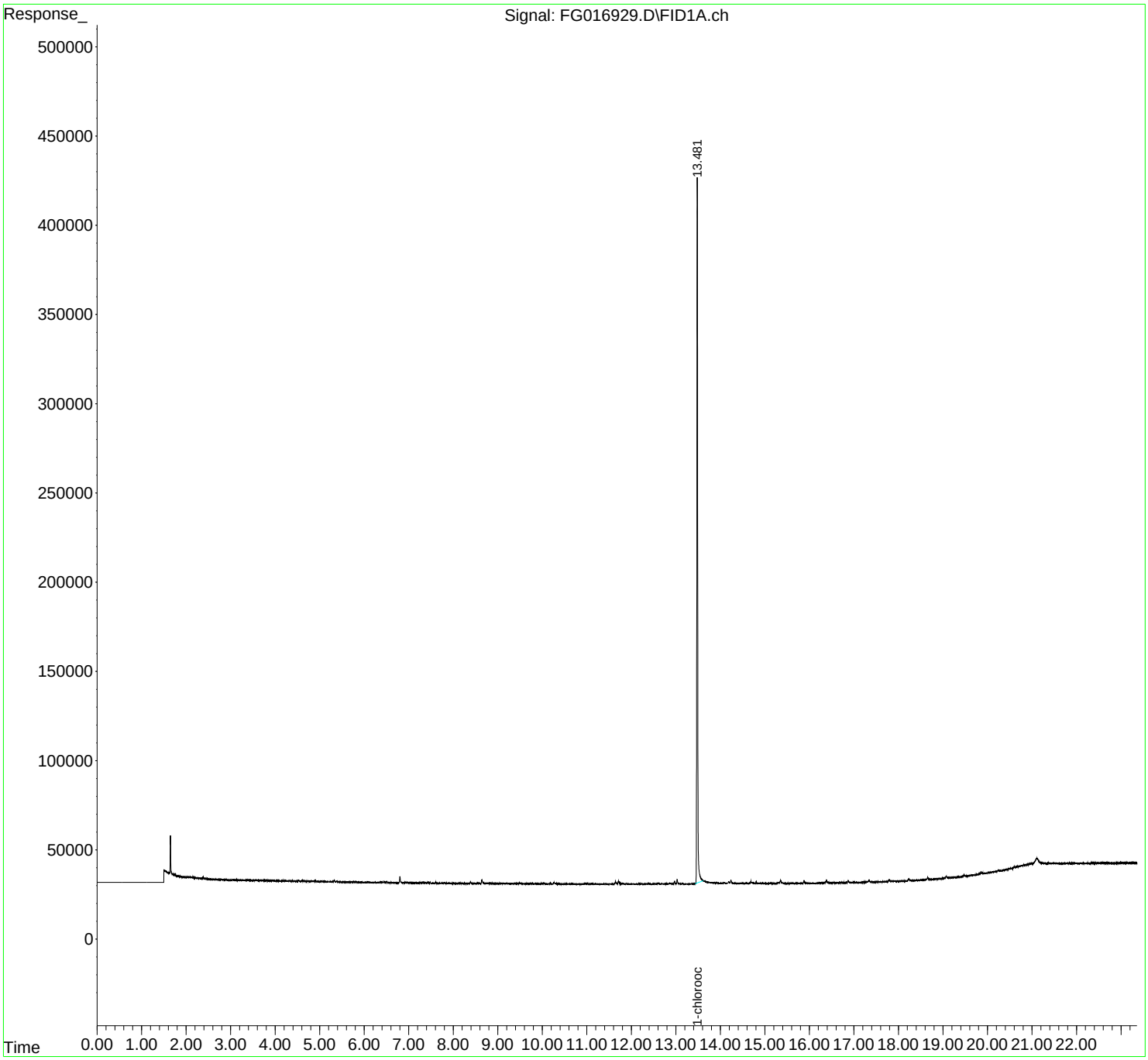
(f)=RT Delta > 1/2 Window (m)=manual int.

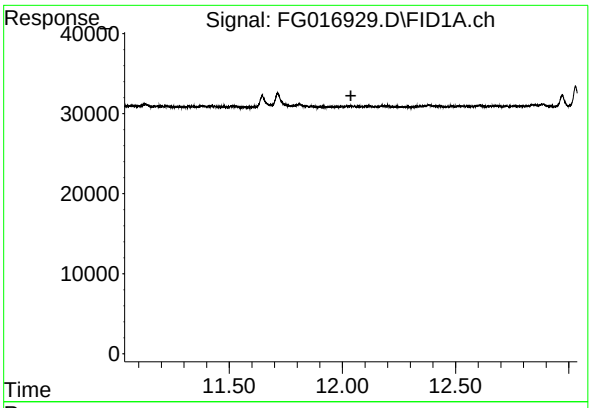
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
Data File : FG016929.D
Signal(s) : FID1A.ch
Acq On : 17 Nov 2025 18:02
Operator : YP\AJ
Sample : Q3586-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
SED-1

Integration File: autoint1.e
Quant Time: Nov 18 01:22:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

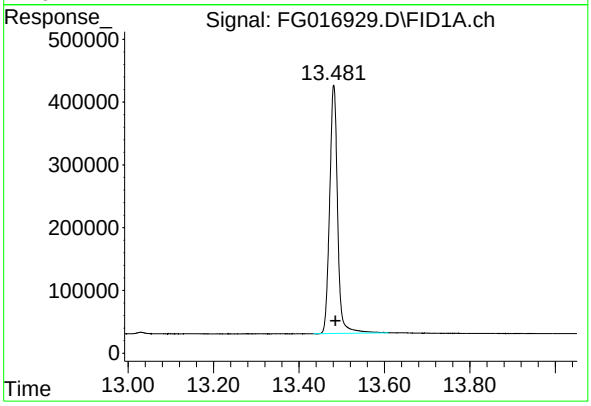





#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.038 min
Response: 0
Conc: N.D.

**Instrument :**
FID_G
**ClientSampleId :**
SED-1




#12 1-chlorooctadecane (SURR)

R.T.: 13.481 min
Delta R.T.: -0.004 min
Response: 5117800
Conc: 42.49 ug/ml

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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
Data File : FG016929.D
Signal(s) : FID1A.ch
Acq On : 17 Nov 2025 18:02
Sample : Q3586-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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 | 3.365 | 3.305 | 3.498 | BV | 144 | 3248 | 0.06% | 0.032% |
| 2 | 3.505 | 3.498 | 3.514 | PV | 55 | 343 | 0.01% | 0.003% |
| 3 | 3.531 | 3.514 | 3.548 | VV | 80 | 958 | 0.02% | 0.010% |
| 4 | 3.558 | 3.548 | 3.598 | VV | 112 | 2143 | 0.04% | 0.021% |
| 5 | 3.614 | 3.598 | 3.648 | VV | 121 | 1853 | 0.03% | 0.018% |
| 6 | 3.679 | 3.648 | 3.705 | VV | 130 | 2803 | 0.05% | 0.028% |
| 7 | 3.727 | 3.705 | 3.747 | VV | 125 | 1428 | 0.03% | 0.014% |
| 8 | 3.757 | 3.747 | 3.858 | VV | 96 | 2955 | 0.06% | 0.029% |
| 9 | 3.866 | 3.858 | 3.901 | VV | 97 | 1327 | 0.02% | 0.013% |
| 10 | 3.914 | 3.901 | 3.931 | VV | 96 | 783 | 0.01% | 0.008% |
| 11 | 3.942 | 3.931 | 4.006 | PV | 113 | 2202 | 0.04% | 0.022% |
| 12 | 4.062 | 4.006 | 4.141 | PV | 145 | 5091 | 0.09% | 0.051% |
| 13 | 4.157 | 4.141 | 4.176 | VV | 182 | 1854 | 0.03% | 0.018% |
| 14 | 4.195 | 4.176 | 4.219 | VV | 262 | 3271 | 0.06% | 0.033% |
| 15 | 4.229 | 4.219 | 4.260 | VV | 153 | 1624 | 0.03% | 0.016% |
| 16 | 4.271 | 4.260 | 4.318 | VV | 206 | 3042 | 0.06% | 0.030% |
| 17 | 4.362 | 4.318 | 4.488 | VV | 244 | 11523 | 0.22% | 0.115% |
| 18 | 4.530 | 4.488 | 4.548 | VV | 377 | 6449 | 0.12% | 0.064% |
| 19 | 4.559 | 4.548 | 4.605 | VV | 175 | 4664 | 0.09% | 0.046% |
| 20 | 4.622 | 4.605 | 4.717 | VV | 829 | 15428 | 0.29% | 0.153% |
| 21 | 4.738 | 4.717 | 4.783 | VV | 283 | 5994 | 0.11% | 0.060% |
| 22 | 4.812 | 4.783 | 4.855 | VV | 357 | 7258 | 0.14% | 0.072% |
| 23 | 4.874 | 4.855 | 4.889 | VV | 264 | 3307 | 0.06% | 0.033% |
| 24 | 4.906 | 4.889 | 4.985 | VV | 458 | 9332 | 0.17% | 0.093% |
| 25 | 4.991 | 4.985 | 5.000 | VV | 112 | 1013 | 0.02% | 0.010% |
| 26 | 5.017 | 5.000 | 5.029 | VV | 155 | 2255 | 0.04% | 0.022% |
| 27 | 5.042 | 5.029 | 5.063 | VV | 390 | 3739 | 0.07% | 0.037% |
| 28 | 5.111 | 5.063 | 5.162 | VV | 190 | 7308 | 0.14% | 0.073% |
| 29 | 5.170 | 5.162 | 5.195 | VV | 150 | 1660 | 0.03% | 0.016% |
| 30 | 5.234 | 5.195 | 5.258 | VV | 152 | 4087 | 0.08% | 0.041% |
| 31 | 5.275 | 5.258 | 5.288 | VV | 218 | 2207 | 0.04% | 0.022% |
| 32 | 5.299 | 5.288 | 5.306 | VV | 243 | 2223 | 0.04% | 0.022% |
| 33 | 5.326 | 5.306 | 5.357 | VV | 1063 | 14138 | 0.26% | 0.140% |
| 34 | 5.381 | 5.357 | 5.423 | VV | 366 | 6926 | 0.13% | 0.069% |
| 35 | 5.443 | 5.423 | 5.485 | VV | 246 | 3187 | 0.06% | 0.032% |
| 36 | 5.506 | 5.485 | 5.522 | PV | 74 | 1105 | 0.02% | 0.011% |

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|---|---|---|---|---|---|---|---|---|
| 37 | 5.535 | 5.522 | 5.545 | VV | 70 | 651 | 0.01% | 0.006% |
| 38 | 5.560 | 5.545 | 5.623 | VV | 86 | 1968 | 0.04% | 0.020% |
| 39 | 5.640 | 5.623 | 5.652 | VV | 99 | 1105 | 0.02% | 0.011% |
| 40 | 5.658 | 5.652 | 5.711 | VV | 84 | 1621 | 0.03% | 0.016% |
| 41 | 5.725 | 5.711 | 5.748 | VV | 116 | 1458 | 0.03% | 0.014% |
| 42 | 5.766 | 5.748 | 5.786 | PV | 349 | 4441 | 0.08% | 0.044% |
| 43 | 5.808 | 5.786 | 5.839 | VV | 378 | 5363 | 0.10% | 0.053% |
| 44 | 5.866 | 5.839 | 5.888 | VV | 121 | 2402 | 0.04% | 0.024% |
| 45 | 5.890 | 5.888 | 5.927 | VV | 160 | 2029 | 0.04% | 0.020% |
| 46 | 5.960 | 5.927 | 6.011 | VV | 208 | 4824 | 0.09% | 0.048% |
| 47 | 6.025 | 6.011 | 6.043 | VV | 121 | 1685 | 0.03% | 0.017% |
| 48 | 6.076 | 6.043 | 6.109 | VV | 197 | 4601 | 0.09% | 0.046% |
| 49 | 6.132 | 6.109 | 6.178 | VV | 217 | 4908 | 0.09% | 0.049% |
| 50 | 6.183 | 6.178 | 6.224 | VV | 134 | 2281 | 0.04% | 0.023% |
| 51 | 6.245 | 6.224 | 6.280 | VV | 264 | 4011 | 0.07% | 0.040% |
| 52 | 6.298 | 6.280 | 6.322 | VV | 251 | 3086 | 0.06% | 0.031% |
| 53 | 6.358 | 6.322 | 6.379 | VV | 364 | 7523 | 0.14% | 0.075% |
| 54 | 6.399 | 6.379 | 6.422 | VV | 373 | 5833 | 0.11% | 0.058% |
| 55 | 6.445 | 6.422 | 6.491 | VV | 622 | 11544 | 0.22% | 0.115% |
| 56 | 6.508 | 6.491 | 6.554 | VV | 713 | 10298 | 0.19% | 0.102% |
| 57 | 6.566 | 6.554 | 6.571 | VV | 121 | 951 | 0.02% | 0.009% |
| 58 | 6.582 | 6.571 | 6.660 | VV | 204 | 5058 | 0.09% | 0.050% |
| 59 | 6.693 | 6.660 | 6.772 | VV | 142 | 4395 | 0.08% | 0.044% |
| 60 | 6.802 | 6.772 | 6.870 | PV | 3656 | 50092 | 0.93% | 0.498% |
| 61 | 6.889 | 6.870 | 6.908 | VV | 286 | 4608 | 0.09% | 0.046% |
| 62 | 6.924 | 6.908 | 6.935 | VV | 259 | 2910 | 0.05% | 0.029% |
| 63 | 6.956 | 6.935 | 6.980 | VV | 490 | 7424 | 0.14% | 0.074% |
| 64 | 6.990 | 6.980 | 7.015 | VV | 206 | 3001 | 0.06% | 0.030% |
| 65 | 7.029 | 7.015 | 7.071 | VV | 333 | 5907 | 0.11% | 0.059% |
| 66 | 7.083 | 7.071 | 7.128 | VV | 178 | 4239 | 0.08% | 0.042% |
| 67 | 7.144 | 7.128 | 7.237 | VV | 180 | 6949 | 0.13% | 0.069% |
| 68 | 7.259 | 7.237 | 7.298 | VV | 235 | 5369 | 0.10% | 0.053% |
| 69 | 7.315 | 7.298 | 7.350 | VV | 396 | 9184 | 0.17% | 0.091% |
| 70 | 7.377 | 7.350 | 7.399 | VV | 397 | 7758 | 0.14% | 0.077% |
| 71 | 7.428 | 7.399 | 7.466 | VV | 425 | 11133 | 0.21% | 0.111% |
| 72 | 7.482 | 7.466 | 7.520 | VV | 340 | 5854 | 0.11% | 0.058% |
| 73 | 7.530 | 7.520 | 7.538 | VV | 136 | 1505 | 0.03% | 0.015% |
| 74 | 7.546 | 7.538 | 7.570 | VV | 174 | 2553 | 0.05% | 0.025% |
| 75 | 7.608 | 7.570 | 7.658 | VV | 810 | 12955 | 0.24% | 0.129% |
| 76 | 7.684 | 7.658 | 7.703 | VV | 225 | 3954 | 0.07% | 0.039% |
| 77 | 7.716 | 7.703 | 7.729 | VV | 231 | 2736 | 0.05% | 0.027% |
| 78 | 7.758 | 7.729 | 7.795 | VV | 301 | 7766 | 0.14% | 0.077% |
| 79 | 7.815 | 7.795 | 7.872 | VV | 218 | 7691 | 0.14% | 0.076% |
| 80 | 7.882 | 7.872 | 7.893 | VV | 155 | 1605 | 0.03% | 0.016% |
| 81 | 7.901 | 7.893 | 7.953 | VV | 140 | 3513 | 0.07% | 0.035% |
| 82 | 8.020 | 7.953 | 8.061 | PV | 311 | 6109 | 0.11% | 0.061% |
| 83 | 8.086 | 8.061 | 8.101 | VV | 181 | 2560 | 0.05% | 0.025% |
| 84 | 8.119 | 8.101 | 8.150 | VV | 195 | 3279 | 0.06% | 0.033% |
| 85 | 8.185 | 8.150 | 8.232 | VV | 195 | 5721 | 0.11% | 0.057% |
| 86 | 8.242 | 8.232 | 8.276 | VV | 132 | 2426 | 0.05% | 0.024% |
| 87 | 8.297 | 8.276 | 8.312 | VV | 142 | 1373 | 0.03% | 0.014% |
| 88 | 8.335 | 8.312 | 8.366 | VV | 240 | 4201 | 0.08% | 0.042% |
| 89 | 8.388 | 8.366 | 8.471 | VV | 1018 | 17202 | 0.32% | 0.171% |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 90 | 8.491 | 8.471 | 8.519 | VV | 187 | 2805 | 0.05% | 0.028% |
| 91 | 8.549 | 8.519 | 8.608 | VV | 345 | 9493 | 0.18% | 0.094% |
| 92 | 8.642 | 8.608 | 8.724 | VV | 2025 | 41328 | 0.77% | 0.411% |
| 93 | 8.741 | 8.724 | 8.760 | VV | 344 | 5416 | 0.10% | 0.054% |
| 94 | 8.786 | 8.760 | 8.813 | VV | 314 | 7704 | 0.14% | 0.077% |
| 95 | 8.829 | 8.813 | 8.862 | VV | 229 | 4330 | 0.08% | 0.043% |
| 96 | 8.876 | 8.862 | 8.963 | VV | 234 | 5310 | 0.10% | 0.053% |
| 97 | 9.002 | 8.963 | 9.051 | VV | 180 | 6475 | 0.12% | 0.064% |
| 98 | 9.058 | 9.051 | 9.072 | VV | 172 | 1838 | 0.03% | 0.018% |
| 99 | 9.107 | 9.072 | 9.119 | VV | 231 | 4522 | 0.08% | 0.045% |
| 100 | 9.145 | 9.119 | 9.168 | VV | 238 | 5532 | 0.10% | 0.055% |
| 101 | 9.190 | 9.168 | 9.227 | VV | 334 | 7687 | 0.14% | 0.076% |
| 102 | 9.247 | 9.227 | 9.280 | VV | 180 | 3596 | 0.07% | 0.036% |
| 103 | 9.304 | 9.280 | 9.329 | VV | 151 | 2920 | 0.05% | 0.029% |
| 104 | 9.337 | 9.329 | 9.348 | VV | 57 | 708 | 0.01% | 0.007% |
| 105 | 9.375 | 9.348 | 9.392 | VV | 589 | 8406 | 0.16% | 0.084% |
| 106 | 9.405 | 9.392 | 9.421 | VV | 323 | 4671 | 0.09% | 0.046% |
| 107 | 9.433 | 9.421 | 9.457 | VV | 335 | 4914 | 0.09% | 0.049% |
| 108 | 9.488 | 9.457 | 9.539 | VV | 796 | 15995 | 0.30% | 0.159% |
| 109 | 9.562 | 9.539 | 9.590 | VV | 237 | 4560 | 0.09% | 0.045% |
| 110 | 9.611 | 9.590 | 9.642 | VV | 213 | 3604 | 0.07% | 0.036% |
| 111 | 9.663 | 9.642 | 9.691 | VV | 182 | 3167 | 0.06% | 0.031% |
| 112 | 9.724 | 9.691 | 9.750 | VV | 215 | 5489 | 0.10% | 0.055% |
| 113 | 9.775 | 9.750 | 9.821 | VV | 329 | 6448 | 0.12% | 0.064% |
| 114 | 9.846 | 9.821 | 9.885 | VV | 317 | 6312 | 0.12% | 0.063% |
| 115 | 9.898 | 9.885 | 9.925 | VV | 232 | 3496 | 0.07% | 0.035% |
| 116 | 9.938 | 9.925 | 9.966 | VV | 134 | 2566 | 0.05% | 0.026% |
| 117 | 9.992 | 9.966 | 10.016 | VV | 296 | 5688 | 0.11% | 0.057% |
| 118 | 10.038 | 10.016 | 10.084 | VV | 673 | 11175 | 0.21% | 0.111% |
| 119 | 10.095 | 10.084 | 10.105 | VV | 127 | 1225 | 0.02% | 0.012% |
| 120 | 10.122 | 10.105 | 10.131 | VV | 150 | 1782 | 0.03% | 0.018% |
| 121 | 10.136 | 10.131 | 10.149 | VV | 133 | 983 | 0.02% | 0.010% |
| 122 | 10.184 | 10.149 | 10.235 | VV | 348 | 9017 | 0.17% | 0.090% |
| 123 | 10.263 | 10.235 | 10.468 | VV | 877 | 31227 | 0.58% | 0.310% |
| 124 | 10.482 | 10.468 | 10.561 | PV | 111 | 4507 | 0.08% | 0.045% |
| 125 | 10.582 | 10.561 | 10.631 | VV | 136 | 3737 | 0.07% | 0.037% |
| 126 | 10.654 | 10.631 | 10.716 | VV | 231 | 6973 | 0.13% | 0.069% |
| 127 | 10.746 | 10.716 | 10.762 | VV | 129 | 2743 | 0.05% | 0.027% |
| 128 | 10.771 | 10.762 | 10.782 | VV | 122 | 960 | 0.02% | 0.010% |
| 129 | 10.809 | 10.782 | 10.845 | VV | 125 | 3134 | 0.06% | 0.031% |
| 130 | 10.898 | 10.845 | 10.915 | VV | 183 | 3734 | 0.07% | 0.037% |
| 131 | 10.942 | 10.915 | 10.989 | VV | 259 | 7328 | 0.14% | 0.073% |
| 132 | 11.008 | 10.989 | 11.038 | VV | 313 | 6184 | 0.12% | 0.061% |
| 133 | 11.067 | 11.038 | 11.095 | VV | 263 | 5987 | 0.11% | 0.059% |
| 134 | 11.131 | 11.095 | 11.156 | VV | 406 | 9195 | 0.17% | 0.091% |
| 135 | 11.190 | 11.156 | 11.211 | VV | 188 | 4675 | 0.09% | 0.046% |
| 136 | 11.220 | 11.211 | 11.249 | VV | 174 | 2819 | 0.05% | 0.028% |
| 137 | 11.263 | 11.249 | 11.311 | VV | 114 | 3224 | 0.06% | 0.032% |
| 138 | 11.334 | 11.311 | 11.360 | VV | 148 | 3221 | 0.06% | 0.032% |
| 139 | 11.381 | 11.360 | 11.490 | VV | 206 | 9395 | 0.18% | 0.093% |
| 140 | 11.516 | 11.490 | 11.561 | PV | 175 | 3876 | 0.07% | 0.039% |
| 141 | 11.571 | 11.561 | 11.591 | VV | 76 | 565 | 0.01% | 0.006% |

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|---|---|---|---|---|---|---|---|---|
| 142 | 11.646 | 11.591 | 11.690 | VV | 1464 | 27334 | 0.51% | 0.272% |
| 143 | 11.714 | 11.690 | 11.782 | VV | 1781 | 36202 | 0.68% | 0.360% |
| 144 | 11.810 | 11.782 | 11.895 | VV | 426 | 12435 | 0.23% | 0.124% |
| 145 | 11.901 | 11.895 | 11.928 | VV | 100 | 1494 | 0.03% | 0.015% |
| 146 | 11.944 | 11.928 | 11.975 | VV | 94 | 2120 | 0.04% | 0.021% |
| 147 | 11.979 | 11.975 | 11.986 | VV | 105 | 553 | 0.01% | 0.005% |
| 148 | 11.999 | 11.986 | 12.009 | VV | 127 | 1302 | 0.02% | 0.013% |
| 149 | 12.034 | 12.009 | 12.048 | VV | 167 | 2798 | 0.05% | 0.028% |
| 150 | 12.052 | 12.048 | 12.062 | VV | 133 | 809 | 0.02% | 0.008% |
| 151 | 12.071 | 12.062 | 12.088 | VV | 121 | 1389 | 0.03% | 0.014% |
| 152 | 12.103 | 12.088 | 12.110 | VV | 181 | 1613 | 0.03% | 0.016% |
| 153 | 12.120 | 12.110 | 12.155 | VV | 187 | 2834 | 0.05% | 0.028% |
| 154 | 12.175 | 12.155 | 12.191 | VV | 213 | 2927 | 0.05% | 0.029% |
| 155 | 12.201 | 12.191 | 12.301 | VV | 182 | 4287 | 0.08% | 0.043% |
| 156 | 12.380 | 12.301 | 12.415 | VV | 271 | 9290 | 0.17% | 0.092% |
| 157 | 12.427 | 12.415 | 12.455 | VV | 178 | 2582 | 0.05% | 0.026% |
| 158 | 12.488 | 12.455 | 12.501 | VV | 116 | 2577 | 0.05% | 0.026% |
| 159 | 12.519 | 12.501 | 12.563 | VV | 171 | 4206 | 0.08% | 0.042% |
| 160 | 12.573 | 12.563 | 12.591 | VV | 84 | 1572 | 0.03% | 0.016% |
| 161 | 12.606 | 12.591 | 12.639 | VV | 242 | 4539 | 0.08% | 0.045% |
| 162 | 12.674 | 12.639 | 12.715 | VV | 189 | 5389 | 0.10% | 0.054% |
| 163 | 12.722 | 12.715 | 12.737 | VV | 132 | 1377 | 0.03% | 0.014% |
| 164 | 12.844 | 12.737 | 12.863 | VV | 277 | 12142 | 0.23% | 0.121% |
| 165 | 12.886 | 12.863 | 12.931 | VV | 325 | 8152 | 0.15% | 0.081% |
| 166 | 12.971 | 12.931 | 13.000 | VV | 1492 | 22259 | 0.42% | 0.221% |
| 167 | 13.030 | 13.000 | 13.120 | VV | 2573 | 42610 | 0.80% | 0.423% |
| 168 | 13.152 | 13.120 | 13.227 | VV | 255 | 8341 | 0.16% | 0.083% |
| 169 | 13.308 | 13.227 | 13.335 | PV | 154 | 6410 | 0.12% | 0.064% |
| 170 | 13.361 | 13.335 | 13.385 | VV | 162 | 3351 | 0.06% | 0.033% |
| 171 | 13.481 | 13.385 | 13.808 | VV | 397874 | 5359246 | 100.00% | 53.257% |
| 172 | 13.827 | 13.808 | 13.898 | VV | 744 | 32757 | 0.61% | 0.326% |
| 173 | 13.915 | 13.898 | 14.007 | VV | 529 | 29279 | 0.55% | 0.291% |
| 174 | 14.066 | 14.007 | 14.152 | VV | 494 | 34584 | 0.65% | 0.344% |
| 175 | 14.187 | 14.152 | 14.211 | VV | 1317 | 25042 | 0.47% | 0.249% |
| 176 | 14.238 | 14.211 | 14.416 | VV | 2108 | 63027 | 1.18% | 0.626% |
| 177 | 14.470 | 14.416 | 14.554 | VV | 299 | 20240 | 0.38% | 0.201% |
| 178 | 14.571 | 14.554 | 14.636 | VV | 242 | 10496 | 0.20% | 0.104% |
| 179 | 14.688 | 14.636 | 14.778 | VV | 1089 | 36028 | 0.67% | 0.358% |
| 180 | 14.806 | 14.778 | 14.898 | VV | 703 | 22851 | 0.43% | 0.227% |
| 181 | 14.911 | 14.898 | 14.938 | VV | 247 | 4619 | 0.09% | 0.046% |
| 182 | 14.968 | 14.938 | 15.041 | VV | 278 | 10747 | 0.20% | 0.107% |
| 183 | 15.062 | 15.041 | 15.084 | VV | 126 | 2659 | 0.05% | 0.026% |
| 184 | 15.157 | 15.084 | 15.181 | VV | 120 | 5893 | 0.11% | 0.059% |
| 185 | 15.201 | 15.181 | 15.223 | VV | 173 | 3188 | 0.06% | 0.032% |
| 186 | 15.238 | 15.223 | 15.258 | VV | 135 | 1760 | 0.03% | 0.017% |
| 187 | 15.309 | 15.258 | 15.325 | VV | 596 | 10730 | 0.20% | 0.107% |
| 188 | 15.352 | 15.325 | 15.495 | VV | 1758 | 40450 | 0.75% | 0.402% |
| 189 | 15.516 | 15.495 | 15.605 | VV | 122 | 3178 | 0.06% | 0.032% |
| 190 | 15.621 | 15.605 | 15.705 | VV | 86 | 2050 | 0.04% | 0.020% |
| 191 | 15.769 | 15.705 | 15.808 | PV | 105 | 3715 | 0.07% | 0.037% |
| 192 | 15.877 | 15.808 | 16.048 | VV | 1126 | 27366 | 0.51% | 0.272% |
| 193 | 16.070 | 16.048 | 16.138 | PV | 75 | 2542 | 0.05% | 0.025% |
| 194 | 16.151 | 16.138 | 16.178 | VV | 76 | 1384 | 0.03% | 0.014% |

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|---|---|---|---|---|---|---|---|---|
| 195 | 16.203 | 16.178 | 16.224 | VV | 117 | 2361 | 0.04% | 0.023% |
| 196 | 16.244 | 16.224 | 16.295 | VV | 121 | 3575 | 0.07% | 0.036% |
| 197 | 16.382 | 16.295 | 16.497 | VV | 1599 | 47043 | 0.88% | 0.467% |
| 198 | 16.517 | 16.497 | 16.595 | VV | 192 | 6651 | 0.12% | 0.066% |
| 199 | 16.609 | 16.595 | 16.649 | VV | 120 | 2675 | 0.05% | 0.027% |
| 200 | 16.691 | 16.649 | 16.718 | PV | 186 | 4447 | 0.08% | 0.044% |
| 201 | 16.736 | 16.718 | 16.803 | VV | 150 | 3566 | 0.07% | 0.035% |
| 202 | 16.869 | 16.803 | 17.011 | VV | 1005 | 26448 | 0.49% | 0.263% |
| 203 | 17.044 | 17.011 | 17.120 | PV | 122 | 4908 | 0.09% | 0.049% |
| 204 | 17.220 | 17.120 | 17.262 | VV | 154 | 6458 | 0.12% | 0.064% |
| 205 | 17.337 | 17.262 | 17.485 | VV | 1354 | 34142 | 0.64% | 0.339% |
| 206 | 17.553 | 17.485 | 17.567 | PV | 78 | 1947 | 0.04% | 0.019% |
| 207 | 17.631 | 17.567 | 17.654 | VV | 106 | 3754 | 0.07% | 0.037% |
| 208 | 17.685 | 17.654 | 17.700 | VV | 109 | 2039 | 0.04% | 0.020% |
| 209 | 17.792 | 17.700 | 17.860 | VV | 1231 | 30284 | 0.57% | 0.301% |
| 210 | 17.885 | 17.860 | 17.935 | VV | 388 | 7277 | 0.14% | 0.072% |
| 211 | 18.007 | 17.935 | 18.026 | VV | 146 | 4808 | 0.09% | 0.048% |
| 212 | 18.231 | 18.026 | 18.331 | PV | 1278 | 33448 | 0.62% | 0.332% |
| 213 | 18.397 | 18.331 | 18.429 | PV | 135 | 4873 | 0.09% | 0.048% |
| 214 | 18.508 | 18.429 | 18.535 | VV | 175 | 3048 | 0.06% | 0.030% |
| 215 | 18.658 | 18.535 | 18.731 | VV | 1240 | 26606 | 0.50% | 0.264% |
| 216 | 18.746 | 18.731 | 18.768 | VV | 109 | 1438 | 0.03% | 0.014% |
| 217 | 19.072 | 18.768 | 19.138 | PV | 1074 | 24464 | 0.46% | 0.243% |
| 218 | 19.471 | 19.138 | 19.525 | PV | 735 | 13041 | 0.24% | 0.130% |
| 219 | 19.860 | 19.525 | 19.901 | VV | 1241 | 72720 | 1.36% | 0.723% |
| 220 | 20.160 | 19.901 | 20.195 | VV | 1096 | 133286 | 2.49% | 1.325% |
| 221 | 20.237 | 20.195 | 20.265 | VV | 1482 | 51353 | 0.96% | 0.510% |
| 222 | 20.503 | 20.265 | 20.523 | VV | 1889 | 227915 | 4.25% | 2.265% |
| 223 | 20.605 | 20.523 | 20.625 | VV | 2582 | 129112 | 2.41% | 1.283% |
| 224 | 20.977 | 20.625 | 21.005 | VV | 3450 | 667585 | 12.46% | 6.634% |
| 225 | 21.109 | 21.005 | 21.251 | VV | 6231 | 626410 | 11.69% | 6.225% |
| 226 | 21.270 | 21.251 | 21.325 | VV | 3003 | 125978 | 2.35% | 1.252% |
| 227 | 21.375 | 21.325 | 21.431 | VV | 2933 | 173597 | 3.24% | 1.725% |
| 228 | 21.487 | 21.431 | 21.538 | VV | 2430 | 152476 | 2.85% | 1.515% |
| 229 | 21.555 | 21.538 | 21.665 | VV | 2237 | 154300 | 2.88% | 1.533% |
| 230 | 21.741 | 21.665 | 21.805 | VV | 1854 | 147855 | 2.76% | 1.469% |
| 231 | 21.836 | 21.805 | 21.891 | VV | 1633 | 79175 | 1.48% | 0.787% |
| 232 | 21.944 | 21.891 | 22.075 | VV | 1316 | 130119 | 2.43% | 1.293% |
| 233 | 22.101 | 22.075 | 22.126 | VV | 847 | 25296 | 0.47% | 0.251% |
| 234 | 22.154 | 22.126 | 22.241 | VV | 760 | 43951 | 0.82% | 0.437% |
| 235 | 22.269 | 22.241 | 22.291 | VV | 475 | 13416 | 0.25% | 0.133% |
| 236 | 22.357 | 22.291 | 22.391 | VV | 533 | 26134 | 0.49% | 0.260% |
| 237 | 22.417 | 22.391 | 22.501 | VBA | 326 | 21264 | 0.40% | 0.211% |

Sum of corrected areas: 10062953

Aliphatic EPH 102925.M Tue Nov 18 03:12:10 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016723.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 18:31
Operator : YP\AJ
Sample : Q3586-02
Misc :
ALS Vial : 77 Sample Multiplier: 1

**Instrument :**
FID_F
**ClientSampleId :**
SED-2

Integration File: autoint1.e
Quant Time: Nov 18 00:34:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 4) S 2-Bromonaphthalene (S... | 8.010 | 5264631 | 46.457 ug/ml |
| Spiked Amount 50.000 | | Recovery = | 92.91% |
| 6) S 2-Flurobiphenyl (SURR) | 8.885 | 3530106 | 49.496 ug/ml |
| Spiked Amount 50.000 | Range 0 - 131 | Recovery = | 98.99% |
| 11) S ortho-Terphenyl (SURR) | 11.952 | 4332904 | 29.505 ug/ml |
| Spiked Amount 50.000 | | Recovery = | 59.01% |
| Target Compounds | | | |

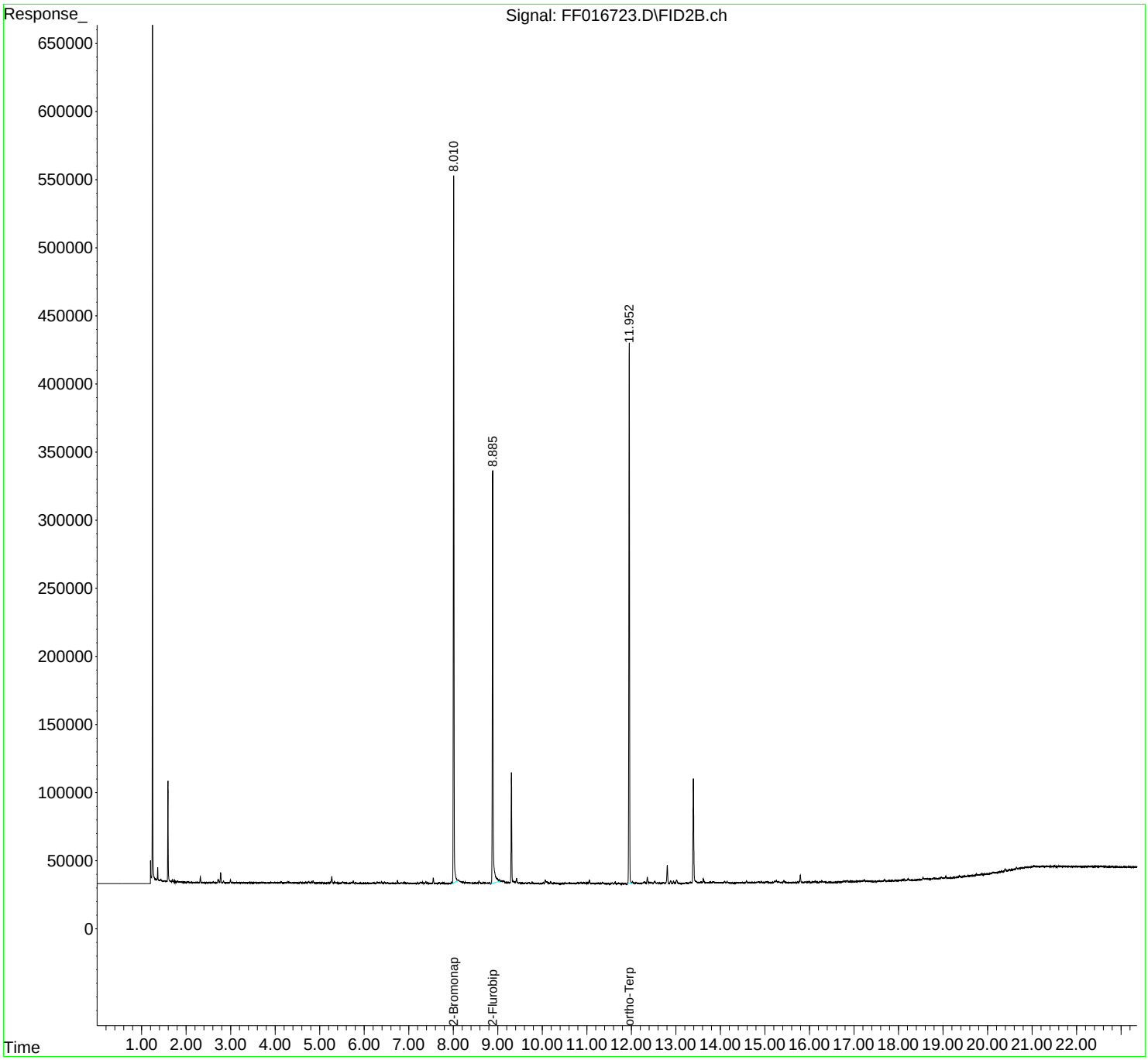
(f)=RT Delta > 1/2 Window (m)=manual int.

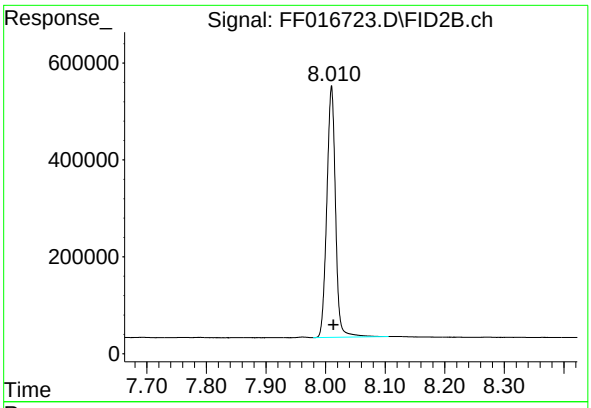
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016723.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 18:31
Operator : YP\AJ
Sample : Q3586-02
Misc :
ALS Vial : 77 Sample Multiplier: 1

**Instrument :**
FID_F
**ClientSampleId :**
SED-2

Integration File: autoint1.e
Quant Time: Nov 18 00:34:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

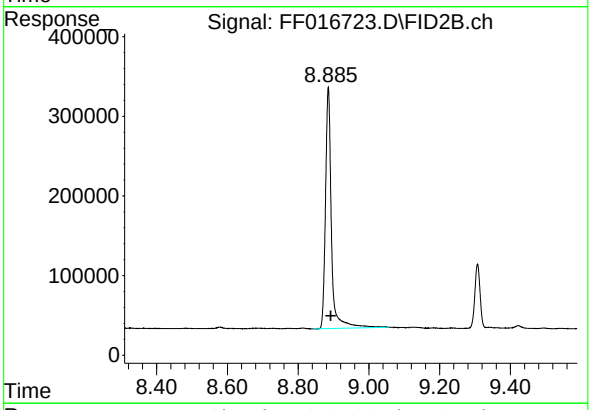





#4 2-Bromonaphthalene (SURR)

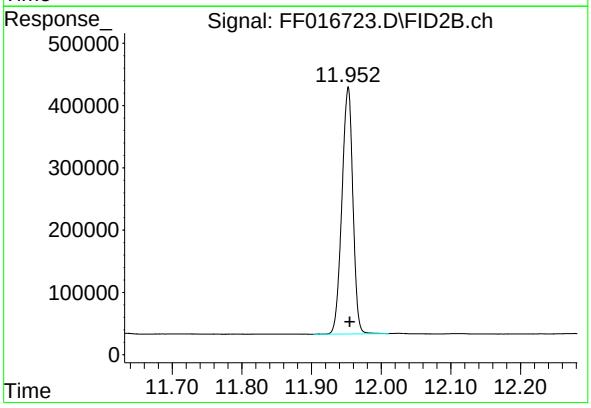
R.T.: 8.010 min
Delta R.T.: -0.003 min
Response: 5264631
Conc: 46.46 ug/ml

**Instrument :**
FID_F
**ClientSampleId :**
SED-2




#6 2-Flurobiphenyl (SURR)

R.T.: 8.885 min
Delta R.T.: -0.007 min
Response: 3530106
Conc: 49.50 ug/ml




#11 ortho-Terphenyl (SURR)

R.T.: 11.952 min
Delta R.T.: -0.002 min
Response: 4332904
Conc: 29.51 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016723.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 18:31
Sample : Q3586-02
Misc :
ALS Vial : 77 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Title : GC Extractables

Signal : FID2B.ch

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|
| 1 | 4.475 | 4.462 | 4.496 | VV | 262 | 2794 | 0.05% | 0.014% |
| 2 | 4.501 | 4.496 | 4.535 | VV | 172 | 1203 | 0.02% | 0.006% |
| 3 | 4.567 | 4.543 | 4.592 | PV | 1063 | 11766 | 0.22% | 0.060% |
| 4 | 4.603 | 4.592 | 4.627 | VV | 367 | 4038 | 0.08% | 0.021% |
| 5 | 4.635 | 4.627 | 4.653 | VV | 156 | 1470 | 0.03% | 0.008% |
| 6 | 4.678 | 4.653 | 4.684 | VV | 498 | 4104 | 0.08% | 0.021% |
| 7 | 4.693 | 4.684 | 4.714 | VV | 453 | 5324 | 0.10% | 0.027% |
| 8 | 4.734 | 4.714 | 4.742 | VV | 672 | 7359 | 0.14% | 0.038% |
| 9 | 4.757 | 4.742 | 4.782 | VV | 1360 | 16450 | 0.31% | 0.084% |
| 10 | 4.788 | 4.782 | 4.799 | VV | 230 | 1661 | 0.03% | 0.009% |
| 11 | 4.820 | 4.799 | 4.836 | VV | 971 | 10950 | 0.20% | 0.056% |
| 12 | 4.853 | 4.836 | 4.876 | VV | 1674 | 18257 | 0.34% | 0.094% |
| 13 | 4.884 | 4.876 | 4.908 | VV | 156 | 1862 | 0.03% | 0.010% |
| 14 | 4.931 | 4.921 | 4.947 | VV | 196 | 1828 | 0.03% | 0.009% |
| 15 | 4.982 | 4.947 | 5.008 | VV | 562 | 8684 | 0.16% | 0.045% |
| 16 | 5.041 | 5.031 | 5.054 | VV | 178 | 1769 | 0.03% | 0.009% |
| 17 | 5.069 | 5.054 | 5.083 | VV | 285 | 3347 | 0.06% | 0.017% |
| 18 | 5.090 | 5.083 | 5.107 | VV | 136 | 1355 | 0.03% | 0.007% |
| 19 | 5.123 | 5.107 | 5.133 | VV | 134 | 1269 | 0.02% | 0.007% |
| 20 | 5.143 | 5.133 | 5.156 | VV | 160 | 1016 | 0.02% | 0.005% |
| 21 | 5.190 | 5.156 | 5.217 | PV | 368 | 6556 | 0.12% | 0.034% |
| 22 | 5.246 | 5.217 | 5.253 | VV | 636 | 7391 | 0.14% | 0.038% |
| 23 | 5.272 | 5.253 | 5.312 | VV | 4813 | 59201 | 1.10% | 0.304% |
| 24 | 5.333 | 5.312 | 5.356 | VV | 1008 | 13508 | 0.25% | 0.069% |
| 25 | 5.359 | 5.356 | 5.365 | VV | 223 | 1291 | 0.02% | 0.007% |
| 26 | 5.389 | 5.365 | 5.427 | VV | 344 | 6830 | 0.13% | 0.035% |
| 27 | 5.451 | 5.442 | 5.467 | VV | 136 | 1632 | 0.03% | 0.008% |
| 28 | 5.479 | 5.467 | 5.497 | VV | 296 | 3056 | 0.06% | 0.016% |
| 29 | 5.516 | 5.497 | 5.559 | VV | 1081 | 18327 | 0.34% | 0.094% |
| 30 | 5.565 | 5.559 | 5.574 | VV | 301 | 2369 | 0.04% | 0.012% |
| 31 | 5.578 | 5.574 | 5.616 | VV | 296 | 5201 | 0.10% | 0.027% |
| 32 | 5.644 | 5.630 | 5.650 | VV | 150 | 1190 | 0.02% | 0.006% |
| 33 | 5.673 | 5.650 | 5.691 | VV | 320 | 3552 | 0.07% | 0.018% |
| 34 | 5.710 | 5.691 | 5.727 | VV | 604 | 8011 | 0.15% | 0.041% |
| 35 | 5.755 | 5.727 | 5.779 | VV | 1554 | 19812 | 0.37% | 0.102% |
| 36 | 5.816 | 5.779 | 5.833 | VV | 730 | 7032 | 0.13% | 0.036% |

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|---|---|---|---|---|---|---|---|---|
| 37 | 5.886 | 5.847 | 5.899 | VV | 264 | 4925 | 0.09% | 0.025% |
| 38 | 5.908 | 5.899 | 5.958 | VV | 348 | 5110 | 0.10% | 0.026% |
| 39 | 5.975 | 5.958 | 5.991 | VV | 246 | 2797 | 0.05% | 0.014% |
| 40 | 6.021 | 5.991 | 6.045 | VV | 349 | 6829 | 0.13% | 0.035% |
| 41 | 6.059 | 6.045 | 6.066 | VV | 247 | 2316 | 0.04% | 0.012% |
| 42 | 6.080 | 6.066 | 6.121 | VV | 357 | 6735 | 0.13% | 0.035% |
| 43 | 6.144 | 6.135 | 6.168 | VV | 170 | 2115 | 0.04% | 0.011% |
| 44 | 6.197 | 6.168 | 6.230 | PV | 667 | 11726 | 0.22% | 0.060% |
| 45 | 6.245 | 6.230 | 6.264 | VV | 395 | 5068 | 0.09% | 0.026% |
| 46 | 6.294 | 6.264 | 6.327 | VV | 917 | 22503 | 0.42% | 0.115% |
| 47 | 6.345 | 6.327 | 6.369 | VV | 847 | 12050 | 0.22% | 0.062% |
| 48 | 6.390 | 6.369 | 6.422 | VV | 1475 | 20666 | 0.39% | 0.106% |
| 49 | 6.455 | 6.422 | 6.483 | VV | 1243 | 20596 | 0.38% | 0.106% |
| 50 | 6.492 | 6.483 | 6.497 | VV | 170 | 1308 | 0.02% | 0.007% |
| 51 | 6.528 | 6.497 | 6.578 | VV | 571 | 16166 | 0.30% | 0.083% |
| 52 | 6.586 | 6.578 | 6.619 | VV | 297 | 5126 | 0.10% | 0.026% |
| 53 | 6.635 | 6.619 | 6.644 | VV | 249 | 2613 | 0.05% | 0.013% |
| 54 | 6.672 | 6.644 | 6.690 | VV | 224 | 4388 | 0.08% | 0.023% |
| 55 | 6.706 | 6.699 | 6.718 | VV | 180 | 1328 | 0.02% | 0.007% |
| 56 | 6.745 | 6.718 | 6.771 | VV | 2244 | 26289 | 0.49% | 0.135% |
| 57 | 6.776 | 6.771 | 6.780 | VV | 257 | 1125 | 0.02% | 0.006% |
| 58 | 6.786 | 6.780 | 6.808 | VV | 296 | 3403 | 0.06% | 0.017% |
| 59 | 6.831 | 6.808 | 6.852 | VV | 942 | 11821 | 0.22% | 0.061% |
| 60 | 6.868 | 6.852 | 6.882 | VV | 640 | 6760 | 0.13% | 0.035% |
| 61 | 6.899 | 6.882 | 6.922 | VV | 1503 | 17906 | 0.33% | 0.092% |
| 62 | 6.934 | 6.922 | 6.956 | VV | 507 | 6144 | 0.11% | 0.032% |
| 63 | 6.974 | 6.956 | 7.005 | VV | 920 | 10198 | 0.19% | 0.052% |
| 64 | 7.031 | 7.005 | 7.054 | VV | 296 | 4201 | 0.08% | 0.022% |
| 65 | 7.089 | 7.075 | 7.112 | VV | 243 | 2613 | 0.05% | 0.013% |
| 66 | 7.125 | 7.112 | 7.137 | VV | 190 | 1997 | 0.04% | 0.010% |
| 67 | 7.153 | 7.137 | 7.176 | VV | 308 | 3591 | 0.07% | 0.018% |
| 68 | 7.201 | 7.176 | 7.237 | PV | 954 | 13223 | 0.25% | 0.068% |
| 69 | 7.258 | 7.237 | 7.271 | VV | 1275 | 15687 | 0.29% | 0.081% |
| 70 | 7.277 | 7.271 | 7.292 | VV | 787 | 8152 | 0.15% | 0.042% |
| 71 | 7.322 | 7.292 | 7.349 | VV | 1008 | 22947 | 0.43% | 0.118% |
| 72 | 7.386 | 7.349 | 7.411 | VV | 1701 | 29621 | 0.55% | 0.152% |
| 73 | 7.426 | 7.411 | 7.451 | VV | 584 | 6995 | 0.13% | 0.036% |
| 74 | 7.468 | 7.451 | 7.474 | VV | 247 | 2371 | 0.04% | 0.012% |
| 75 | 7.494 | 7.474 | 7.516 | VV | 472 | 6969 | 0.13% | 0.036% |
| 76 | 7.552 | 7.524 | 7.585 | VV | 4166 | 46999 | 0.88% | 0.241% |
| 77 | 7.614 | 7.585 | 7.622 | PV | 423 | 4849 | 0.09% | 0.025% |
| 78 | 7.630 | 7.622 | 7.645 | VV | 472 | 3956 | 0.07% | 0.020% |
| 79 | 7.662 | 7.645 | 7.674 | VV | 616 | 7239 | 0.13% | 0.037% |
| 80 | 7.694 | 7.674 | 7.720 | VV | 754 | 11735 | 0.22% | 0.060% |
| 81 | 7.733 | 7.720 | 7.744 | VV | 277 | 2797 | 0.05% | 0.014% |
| 82 | 7.763 | 7.744 | 7.775 | VV | 606 | 7836 | 0.15% | 0.040% |
| 83 | 7.789 | 7.775 | 7.832 | VV | 701 | 8524 | 0.16% | 0.044% |
| 84 | 7.861 | 7.832 | 7.882 | VV | 241 | 3768 | 0.07% | 0.019% |
| 85 | 7.916 | 7.882 | 7.920 | PV | 175 | 2369 | 0.04% | 0.012% |
| 86 | 7.926 | 7.920 | 7.944 | VV | 237 | 1829 | 0.03% | 0.009% |
| 87 | 7.962 | 7.944 | 7.978 | VV | 1486 | 15381 | 0.29% | 0.079% |
| 88 | 8.010 | 7.978 | 8.106 | VV | 519892 | 5364508 | 100.00% | 27.531% |
| 89 | 8.113 | 8.106 | 8.215 | VV | 2605 | 112330 | 2.09% | 0.576% |

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|---|---|---|---|---|---|---|---|---|
| 90 | 8.223 | 8.215 | 8.252 | VV | 1170 | 21433 | 0.40% | 0.110% |
| 91 | 8.270 | 8.252 | 8.298 | VV | 1274 | 25583 | 0.48% | 0.131% |
| 92 | 8.306 | 8.298 | 8.315 | VV | 822 | 8080 | 0.15% | 0.041% |
| 93 | 8.328 | 8.315 | 8.349 | VV | 1039 | 16191 | 0.30% | 0.083% |
| 94 | 8.364 | 8.349 | 8.385 | VV | 739 | 13890 | 0.26% | 0.071% |
| 95 | 8.391 | 8.385 | 8.396 | VV | 585 | 4060 | 0.08% | 0.021% |
| 96 | 8.408 | 8.396 | 8.427 | VV | 602 | 9506 | 0.18% | 0.049% |
| 97 | 8.481 | 8.427 | 8.503 | VV | 851 | 24260 | 0.45% | 0.125% |
| 98 | 8.509 | 8.503 | 8.514 | VV | 519 | 3379 | 0.06% | 0.017% |
| 99 | 8.519 | 8.514 | 8.535 | VV | 499 | 5978 | 0.11% | 0.031% |
| 100 | 8.551 | 8.535 | 8.560 | VV | 596 | 7534 | 0.14% | 0.039% |
| 101 | 8.578 | 8.560 | 8.602 | VV | 2233 | 31482 | 0.59% | 0.162% |
| 102 | 8.607 | 8.602 | 8.623 | VV | 632 | 7195 | 0.13% | 0.037% |
| 103 | 8.627 | 8.623 | 8.655 | VV | 448 | 7239 | 0.13% | 0.037% |
| 104 | 8.677 | 8.655 | 8.715 | VV | 842 | 23634 | 0.44% | 0.121% |
| 105 | 8.731 | 8.715 | 8.754 | VV | 737 | 12456 | 0.23% | 0.064% |
| 106 | 8.772 | 8.754 | 8.794 | VV | 705 | 12135 | 0.23% | 0.062% |
| 107 | 8.813 | 8.794 | 8.843 | VV | 1063 | 15051 | 0.28% | 0.077% |
| 108 | 8.885 | 8.843 | 9.027 | VV | 303535 | 3622754 | 67.53% | 18.592% |
| 109 | 9.040 | 9.027 | 9.058 | VV | 2681 | 47319 | 0.88% | 0.243% |
| 110 | 9.064 | 9.058 | 9.082 | VV | 2108 | 28857 | 0.54% | 0.148% |
| 111 | 9.091 | 9.082 | 9.105 | VV | 1911 | 24968 | 0.47% | 0.128% |
| 112 | 9.125 | 9.105 | 9.164 | VV | 2150 | 60058 | 1.12% | 0.308% |
| 113 | 9.183 | 9.164 | 9.216 | VV | 1354 | 30457 | 0.57% | 0.156% |
| 114 | 9.233 | 9.216 | 9.261 | VV | 1195 | 24508 | 0.46% | 0.126% |
| 115 | 9.265 | 9.261 | 9.267 | VV | 719 | 2783 | 0.05% | 0.014% |
| 116 | 9.307 | 9.267 | 9.332 | VV | 81759 | 853864 | 15.92% | 4.382% |
| 117 | 9.342 | 9.332 | 9.355 | VV | 2154 | 25782 | 0.48% | 0.132% |
| 118 | 9.362 | 9.355 | 9.376 | VV | 1507 | 16263 | 0.30% | 0.083% |
| 119 | 9.423 | 9.376 | 9.473 | VV | 4073 | 91967 | 1.71% | 0.472% |
| 120 | 9.494 | 9.473 | 9.524 | VV | 1110 | 20299 | 0.38% | 0.104% |
| 121 | 9.544 | 9.524 | 9.571 | VV | 794 | 13932 | 0.26% | 0.071% |
| 122 | 9.592 | 9.571 | 9.602 | VV | 536 | 7963 | 0.15% | 0.041% |
| 123 | 9.606 | 9.602 | 9.614 | VV | 528 | 3271 | 0.06% | 0.017% |
| 124 | 9.625 | 9.614 | 9.670 | VV | 719 | 15692 | 0.29% | 0.081% |
| 125 | 9.691 | 9.670 | 9.700 | VV | 728 | 9551 | 0.18% | 0.049% |
| 126 | 9.709 | 9.700 | 9.731 | VV | 786 | 10136 | 0.19% | 0.052% |
| 127 | 9.738 | 9.731 | 9.751 | VV | 324 | 3099 | 0.06% | 0.016% |
| 128 | 9.773 | 9.751 | 9.816 | VV | 1565 | 24876 | 0.46% | 0.128% |
| 129 | 9.855 | 9.816 | 9.889 | VV | 386 | 11017 | 0.21% | 0.057% |
| 130 | 9.912 | 9.889 | 9.944 | VV | 617 | 8297 | 0.15% | 0.043% |
| 131 | 9.969 | 9.944 | 9.999 | VV | 345 | 6638 | 0.12% | 0.034% |
| 132 | 10.022 | 9.999 | 10.046 | VV | 1177 | 15032 | 0.28% | 0.077% |
| 133 | 10.067 | 10.046 | 10.097 | VV | 2664 | 51685 | 0.96% | 0.265% |
| 134 | 10.106 | 10.097 | 10.168 | VV | 1553 | 37751 | 0.70% | 0.194% |
| 135 | 10.188 | 10.168 | 10.229 | VV | 1637 | 26649 | 0.50% | 0.137% |
| 136 | 10.235 | 10.229 | 10.241 | VV | 294 | 1885 | 0.04% | 0.010% |
| 137 | 10.262 | 10.241 | 10.321 | VV | 675 | 21553 | 0.40% | 0.111% |
| 138 | 10.336 | 10.321 | 10.347 | VV | 438 | 5120 | 0.10% | 0.026% |
| 139 | 10.358 | 10.347 | 10.405 | VV | 410 | 6171 | 0.12% | 0.032% |
| 140 | 10.430 | 10.405 | 10.450 | VV | 208 | 3157 | 0.06% | 0.016% |
| 141 | 10.466 | 10.450 | 10.483 | VV | 371 | 5063 | 0.09% | 0.026% |

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|---|---|---|---|---|---|---|---|---|
| 142 | 10.509 | 10.483 | 10.532 | VV | 743 | 13781 | 0.26% | 0.071% |
| 143 | 10.537 | 10.532 | 10.547 | VV | 371 | 2786 | 0.05% | 0.014% |
| 144 | 10.584 | 10.547 | 10.602 | VV | 797 | 15845 | 0.30% | 0.081% |
| 145 | 10.619 | 10.602 | 10.642 | VV | 732 | 11844 | 0.22% | 0.061% |
| 146 | 10.669 | 10.642 | 10.688 | VV | 536 | 10597 | 0.20% | 0.054% |
| 147 | 10.707 | 10.688 | 10.732 | VV | 484 | 9632 | 0.18% | 0.049% |
| 148 | 10.739 | 10.732 | 10.751 | VV | 346 | 3236 | 0.06% | 0.017% |
| 149 | 10.752 | 10.751 | 10.759 | VV | 335 | 1229 | 0.02% | 0.006% |
| 150 | 10.792 | 10.759 | 10.809 | VV | 880 | 15326 | 0.29% | 0.079% |
| 151 | 10.824 | 10.809 | 10.843 | VV | 732 | 12744 | 0.24% | 0.065% |
| 152 | 10.865 | 10.843 | 10.891 | VV | 883 | 19209 | 0.36% | 0.099% |
| 153 | 10.929 | 10.891 | 10.967 | VV | 862 | 27902 | 0.52% | 0.143% |
| 154 | 10.984 | 10.967 | 11.007 | VV | 843 | 14071 | 0.26% | 0.072% |
| 155 | 11.024 | 11.007 | 11.028 | VV | 622 | 7384 | 0.14% | 0.038% |
| 156 | 11.058 | 11.028 | 11.117 | VV | 2515 | 50870 | 0.95% | 0.261% |
| 157 | 11.126 | 11.117 | 11.134 | VV | 434 | 3690 | 0.07% | 0.019% |
| 158 | 11.138 | 11.134 | 11.141 | VV | 464 | 1752 | 0.03% | 0.009% |
| 159 | 11.148 | 11.141 | 11.192 | VV | 485 | 10006 | 0.19% | 0.051% |
| 160 | 11.217 | 11.192 | 11.229 | VV | 484 | 8442 | 0.16% | 0.043% |
| 161 | 11.247 | 11.229 | 11.286 | VV | 599 | 13953 | 0.26% | 0.072% |
| 162 | 11.300 | 11.286 | 11.313 | VV | 488 | 6649 | 0.12% | 0.034% |
| 163 | 11.355 | 11.313 | 11.375 | VV | 1193 | 24186 | 0.45% | 0.124% |
| 164 | 11.384 | 11.375 | 11.406 | VV | 421 | 5351 | 0.10% | 0.027% |
| 165 | 11.433 | 11.406 | 11.451 | VV | 309 | 5797 | 0.11% | 0.030% |
| 166 | 11.472 | 11.451 | 11.481 | VV | 227 | 2784 | 0.05% | 0.014% |
| 167 | 11.489 | 11.481 | 11.525 | VV | 152 | 2279 | 0.04% | 0.012% |
| 168 | 11.566 | 11.525 | 11.604 | VV | 957 | 15927 | 0.30% | 0.082% |
| 169 | 11.634 | 11.604 | 11.665 | VV | 1520 | 21602 | 0.40% | 0.111% |
| 170 | 11.685 | 11.665 | 11.696 | VV | 365 | 5235 | 0.10% | 0.027% |
| 171 | 11.707 | 11.696 | 11.744 | VV | 531 | 10639 | 0.20% | 0.055% |
| 172 | 11.750 | 11.744 | 11.777 | VV | 206 | 2252 | 0.04% | 0.012% |
| 173 | 11.791 | 11.777 | 11.806 | VV | 227 | 2070 | 0.04% | 0.011% |
| 174 | 11.824 | 11.806 | 11.839 | PV | 209 | 2467 | 0.05% | 0.013% |
| 175 | 11.848 | 11.839 | 11.853 | VV | 224 | 1437 | 0.03% | 0.007% |
| 176 | 11.864 | 11.853 | 11.878 | VV | 263 | 2600 | 0.05% | 0.013% |
| 177 | 11.882 | 11.878 | 11.903 | VV | 181 | 1231 | 0.02% | 0.006% |
| 178 | 11.953 | 11.903 | 12.011 | PV | 396464 | 4364737 | 81.36% | 22.400% |
| 179 | 12.025 | 12.011 | 12.087 | VV | 1391 | 36358 | 0.68% | 0.187% |
| 180 | 12.116 | 12.087 | 12.141 | VV | 991 | 21255 | 0.40% | 0.109% |
| 181 | 12.155 | 12.141 | 12.176 | VV | 391 | 7202 | 0.13% | 0.037% |
| 182 | 12.191 | 12.176 | 12.194 | VV | 371 | 3357 | 0.06% | 0.017% |
| 183 | 12.211 | 12.194 | 12.220 | VV | 471 | 6112 | 0.11% | 0.031% |
| 184 | 12.229 | 12.220 | 12.245 | VV | 544 | 7061 | 0.13% | 0.036% |
| 185 | 12.298 | 12.245 | 12.321 | VV | 1456 | 41371 | 0.77% | 0.212% |
| 186 | 12.359 | 12.321 | 12.385 | VV | 4758 | 72602 | 1.35% | 0.373% |
| 187 | 12.399 | 12.385 | 12.423 | VV | 1210 | 19841 | 0.37% | 0.102% |
| 188 | 12.442 | 12.423 | 12.451 | VV | 815 | 10929 | 0.20% | 0.056% |
| 189 | 12.456 | 12.451 | 12.461 | VV | 728 | 4139 | 0.08% | 0.021% |
| 190 | 12.465 | 12.461 | 12.485 | VV | 736 | 7623 | 0.14% | 0.039% |
| 191 | 12.525 | 12.485 | 12.556 | VV | 1903 | 42458 | 0.79% | 0.218% |
| 192 | 12.586 | 12.556 | 12.626 | VV | 732 | 22303 | 0.42% | 0.114% |
| 193 | 12.629 | 12.626 | 12.638 | VV | 411 | 2697 | 0.05% | 0.014% |
| 194 | 12.662 | 12.638 | 12.677 | VV | 582 | 10254 | 0.19% | 0.053% |

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|---|---|---|---|---|---|---|---|---|
| 195 | 12.684 | 12.677 | 12.695 | VV | 546 | 5411 | 0.10% | 0.028% |
| 196 | 12.720 | 12.695 | 12.756 | VV | 675 | 20289 | 0.38% | 0.104% |
| 197 | 12.808 | 12.756 | 12.854 | VV | 13416 | 191342 | 3.57% | 0.982% |
| 198 | 12.883 | 12.854 | 12.919 | VV | 2105 | 35973 | 0.67% | 0.185% |
| 199 | 12.947 | 12.919 | 12.969 | VV | 1928 | 26669 | 0.50% | 0.137% |
| 200 | 13.016 | 12.969 | 13.055 | VV | 2692 | 57673 | 1.08% | 0.296% |
| 201 | 13.070 | 13.055 | 13.131 | VV | 339 | 7640 | 0.14% | 0.039% |
| 202 | 13.143 | 13.131 | 13.147 | VV | 200 | 1033 | 0.02% | 0.005% |
| 203 | 13.152 | 13.147 | 13.177 | VV | 146 | 1817 | 0.03% | 0.009% |
| 204 | 13.234 | 13.177 | 13.256 | VV | 516 | 15018 | 0.28% | 0.077% |
| 205 | 13.266 | 13.256 | 13.291 | VV | 377 | 4651 | 0.09% | 0.024% |
| 206 | 13.313 | 13.291 | 13.342 | VV | 1137 | 22871 | 0.43% | 0.117% |
| 207 | 13.346 | 13.342 | 13.358 | VV | 686 | 6002 | 0.11% | 0.031% |
| 208 | 13.393 | 13.358 | 13.507 | VV | 77152 | 1037560 | 19.34% | 5.325% |
| 209 | 13.518 | 13.507 | 13.526 | VV | 746 | 7464 | 0.14% | 0.038% |
| 210 | 13.529 | 13.526 | 13.541 | VV | 708 | 5951 | 0.11% | 0.031% |
| 211 | 13.561 | 13.541 | 13.575 | VV | 1098 | 17669 | 0.33% | 0.091% |
| 212 | 13.579 | 13.575 | 13.589 | VV | 821 | 6692 | 0.12% | 0.034% |
| 213 | 13.617 | 13.589 | 13.661 | VV | 3255 | 65200 | 1.22% | 0.335% |
| 214 | 13.676 | 13.661 | 13.741 | VV | 788 | 26195 | 0.49% | 0.134% |
| 215 | 13.765 | 13.741 | 13.796 | VV | 989 | 24614 | 0.46% | 0.126% |
| 216 | 13.834 | 13.796 | 13.847 | VV | 1074 | 25363 | 0.47% | 0.130% |
| 217 | 13.852 | 13.847 | 13.881 | VV | 1088 | 13810 | 0.26% | 0.071% |
| 218 | 13.899 | 13.881 | 13.939 | VV | 574 | 15984 | 0.30% | 0.082% |
| 219 | 13.945 | 13.939 | 13.964 | VV | 508 | 6297 | 0.12% | 0.032% |
| 220 | 14.018 | 13.964 | 14.046 | VV | 751 | 24121 | 0.45% | 0.124% |
| 221 | 14.098 | 14.046 | 14.122 | VV | 1434 | 33308 | 0.62% | 0.171% |
| 222 | 14.150 | 14.122 | 14.177 | VV | 1486 | 24802 | 0.46% | 0.127% |
| 223 | 14.182 | 14.177 | 14.227 | VV | 449 | 8708 | 0.16% | 0.045% |
| 224 | 14.234 | 14.227 | 14.259 | VV | 230 | 3962 | 0.07% | 0.020% |
| 225 | 14.270 | 14.259 | 14.300 | VV | 272 | 4191 | 0.08% | 0.022% |
| 226 | 14.377 | 14.335 | 14.404 | VV | 354 | 9043 | 0.17% | 0.046% |
| 227 | 14.420 | 14.404 | 14.436 | VV | 281 | 4258 | 0.08% | 0.022% |
| 228 | 14.446 | 14.436 | 14.463 | VV | 270 | 3563 | 0.07% | 0.018% |
| 229 | 14.487 | 14.463 | 14.506 | VV | 419 | 7767 | 0.14% | 0.040% |
| 230 | 14.515 | 14.506 | 14.523 | VV | 247 | 2117 | 0.04% | 0.011% |
| 231 | 14.537 | 14.523 | 14.554 | VV | 257 | 3954 | 0.07% | 0.020% |
| 232 | 14.589 | 14.554 | 14.629 | VV | 1401 | 32459 | 0.61% | 0.167% |
| 233 | 14.634 | 14.629 | 14.664 | VV | 562 | 10380 | 0.19% | 0.053% |
| 234 | 14.671 | 14.664 | 14.692 | VV | 470 | 7062 | 0.13% | 0.036% |
| 235 | 14.714 | 14.692 | 14.735 | VV | 662 | 11664 | 0.22% | 0.060% |
| 236 | 14.740 | 14.735 | 14.749 | VV | 339 | 2653 | 0.05% | 0.014% |
| 237 | 14.769 | 14.749 | 14.790 | VV | 445 | 9147 | 0.17% | 0.047% |
| 238 | 14.801 | 14.790 | 14.804 | VV | 558 | 4329 | 0.08% | 0.022% |
| 239 | 14.860 | 14.804 | 14.895 | VV | 809 | 33839 | 0.63% | 0.174% |
| 240 | 14.922 | 14.895 | 14.949 | VV | 980 | 20027 | 0.37% | 0.103% |
| 241 | 14.970 | 14.949 | 14.994 | VV | 534 | 11094 | 0.21% | 0.057% |
| 242 | 15.031 | 14.994 | 15.050 | VV | 755 | 19606 | 0.37% | 0.101% |
| 243 | 15.061 | 15.050 | 15.090 | VV | 782 | 12679 | 0.24% | 0.065% |
| 244 | 15.093 | 15.090 | 15.142 | VV | 336 | 8515 | 0.16% | 0.044% |
| 245 | 15.172 | 15.142 | 15.187 | VV | 606 | 10798 | 0.20% | 0.055% |
| 246 | 15.213 | 15.187 | 15.224 | VV | 1236 | 18323 | 0.34% | 0.094% |

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|---|---|---|---|---|---|---|---|---|
| 247 | 15.256 | 15.224 | 15.292 | VV | 1702 | 44850 | 0.84% | 0.230% |
| 248 | 15.314 | 15.292 | 15.357 | VV | 1097 | 23349 | 0.44% | 0.120% |
| 249 | 15.382 | 15.357 | 15.400 | VV | 467 | 8080 | 0.15% | 0.041% |
| 250 | 15.425 | 15.400 | 15.469 | VV | 1919 | 34534 | 0.64% | 0.177% |
| 251 | 15.478 | 15.469 | 15.496 | VV | 594 | 3844 | 0.07% | 0.020% |
| 252 | 15.500 | 15.496 | 15.514 | VV | 212 | 1319 | 0.02% | 0.007% |
| 253 | 15.529 | 15.514 | 15.544 | VV | 192 | 2006 | 0.04% | 0.010% |
| 254 | 15.571 | 15.544 | 15.594 | VV | 250 | 4483 | 0.08% | 0.023% |
| 255 | 15.623 | 15.594 | 15.656 | VV | 366 | 7077 | 0.13% | 0.036% |
| 256 | 15.687 | 15.656 | 15.715 | VV | 322 | 7302 | 0.14% | 0.037% |
| 257 | 15.750 | 15.715 | 15.755 | VV | 360 | 6178 | 0.12% | 0.032% |
| 258 | 15.795 | 15.755 | 15.828 | VV | 5705 | 85131 | 1.59% | 0.437% |
| 259 | 15.835 | 15.828 | 15.870 | VV | 374 | 6077 | 0.11% | 0.031% |
| 260 | 15.899 | 15.870 | 15.932 | VV | 779 | 17830 | 0.33% | 0.092% |
| 261 | 15.940 | 15.932 | 15.960 | VV | 440 | 6627 | 0.12% | 0.034% |
| 262 | 15.989 | 15.960 | 16.041 | VV | 840 | 21769 | 0.41% | 0.112% |
| 263 | 16.045 | 16.041 | 16.057 | VV | 383 | 3081 | 0.06% | 0.016% |
| 264 | 16.063 | 16.057 | 16.069 | VV | 377 | 2593 | 0.05% | 0.013% |
| 265 | 16.073 | 16.069 | 16.076 | VV | 491 | 1744 | 0.03% | 0.009% |
| 266 | 16.094 | 16.076 | 16.101 | VV | 550 | 7156 | 0.13% | 0.037% |
| 267 | 16.134 | 16.101 | 16.157 | VV | 880 | 20401 | 0.38% | 0.105% |
| 268 | 16.172 | 16.157 | 16.204 | VV | 392 | 6871 | 0.13% | 0.035% |
| 269 | 16.209 | 16.204 | 16.216 | VV | 191 | 1166 | 0.02% | 0.006% |
| 270 | 16.239 | 16.216 | 16.260 | VV | 981 | 15583 | 0.29% | 0.080% |
| 271 | 16.281 | 16.260 | 16.313 | VV | 1224 | 22431 | 0.42% | 0.115% |
| 272 | 16.332 | 16.313 | 16.404 | VV | 628 | 17841 | 0.33% | 0.092% |
| 273 | 16.412 | 16.404 | 16.424 | VV | 126 | 1348 | 0.03% | 0.007% |
| 274 | 16.428 | 16.424 | 16.441 | VV | 170 | 1130 | 0.02% | 0.006% |
| 275 | 16.457 | 16.441 | 16.482 | VV | 243 | 4440 | 0.08% | 0.023% |
| 276 | 16.492 | 16.482 | 16.513 | VV | 235 | 2481 | 0.05% | 0.013% |
| 277 | 16.519 | 16.513 | 16.551 | PV | 191 | 2712 | 0.05% | 0.014% |
| 278 | 16.564 | 16.551 | 16.569 | VV | 174 | 1434 | 0.03% | 0.007% |
| 279 | 16.582 | 16.569 | 16.606 | VV | 216 | 3466 | 0.06% | 0.018% |
| 280 | 16.664 | 16.606 | 16.673 | VV | 252 | 6671 | 0.12% | 0.034% |
| 281 | 16.677 | 16.673 | 16.686 | VV | 204 | 1282 | 0.02% | 0.007% |
| 282 | 16.720 | 16.686 | 16.743 | VV | 303 | 7268 | 0.14% | 0.037% |
| 283 | 16.768 | 16.743 | 16.801 | VV | 1068 | 23655 | 0.44% | 0.121% |
| 284 | 16.807 | 16.801 | 16.822 | VV | 670 | 8015 | 0.15% | 0.041% |
| 285 | 16.846 | 16.822 | 16.875 | VV | 1309 | 25882 | 0.48% | 0.133% |
| 286 | 16.881 | 16.875 | 16.888 | VV | 429 | 3213 | 0.06% | 0.016% |
| 287 | 16.898 | 16.888 | 16.902 | VV | 476 | 3454 | 0.06% | 0.018% |
| 288 | 16.920 | 16.902 | 16.934 | VV | 604 | 10413 | 0.19% | 0.053% |
| 289 | 16.940 | 16.934 | 16.949 | VV | 544 | 4455 | 0.08% | 0.023% |
| 290 | 16.957 | 16.949 | 16.967 | VV | 578 | 5519 | 0.10% | 0.028% |
| 291 | 16.971 | 16.967 | 16.979 | VV | 536 | 3287 | 0.06% | 0.017% |
| 292 | 16.982 | 16.979 | 17.006 | VV | 467 | 6865 | 0.13% | 0.035% |
| 293 | 17.009 | 17.006 | 17.017 | VV | 456 | 2453 | 0.05% | 0.013% |
| 294 | 17.024 | 17.017 | 17.032 | VV | 433 | 3373 | 0.06% | 0.017% |
| 295 | 17.038 | 17.032 | 17.044 | VV | 380 | 2455 | 0.05% | 0.013% |
| 296 | 17.053 | 17.044 | 17.065 | VV | 440 | 4662 | 0.09% | 0.024% |
| 297 | 17.090 | 17.065 | 17.111 | VV | 578 | 12741 | 0.24% | 0.065% |
| 298 | 17.119 | 17.111 | 17.126 | VV | 598 | 4904 | 0.09% | 0.025% |
| 299 | 17.130 | 17.126 | 17.141 | VV | 612 | 4308 | 0.08% | 0.022% |

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|---|---|---|---|---|---|---|---|---|
| 300 | 17.165 | 17.141 | 17.179 | VV | 682 | 12954 | 0.24% | 0.066% |
| 301 | 17.209 | 17.179 | 17.214 | VV | 973 | 14768 | 0.28% | 0.076% |
| 302 | 17.232 | 17.214 | 17.266 | VV | 1179 | 24372 | 0.45% | 0.125% |
| 303 | 17.281 | 17.266 | 17.296 | VV | 625 | 9563 | 0.18% | 0.049% |
| 304 | 17.312 | 17.296 | 17.332 | VV | 695 | 10990 | 0.20% | 0.056% |
| 305 | 17.335 | 17.332 | 17.346 | VV | 384 | 2610 | 0.05% | 0.013% |
| 306 | 17.349 | 17.346 | 17.366 | VV | 338 | 3032 | 0.06% | 0.016% |
| 307 | 17.387 | 17.373 | 17.402 | VV | 218 | 3149 | 0.06% | 0.016% |
| 308 | 17.423 | 17.414 | 17.448 | VV | 189 | 2276 | 0.04% | 0.012% |
| 309 | 17.472 | 17.461 | 17.492 | PV | 197 | 1601 | 0.03% | 0.008% |
| 310 | 17.514 | 17.501 | 17.522 | VV | 168 | 1551 | 0.03% | 0.008% |
| 311 | 17.565 | 17.522 | 17.594 | VV | 408 | 9330 | 0.17% | 0.048% |
| 312 | 17.614 | 17.594 | 17.619 | VV | 139 | 1679 | 0.03% | 0.009% |
| 313 | 17.646 | 17.633 | 17.652 | VV | 232 | 1981 | 0.04% | 0.010% |
| 314 | 17.687 | 17.652 | 17.722 | VV | 981 | 19704 | 0.37% | 0.101% |
| 315 | 17.729 | 17.722 | 17.739 | VV | 160 | 1110 | 0.02% | 0.006% |
| 316 | 17.747 | 17.739 | 17.759 | VV | 142 | 1380 | 0.03% | 0.007% |
| 317 | 17.782 | 17.759 | 17.819 | VV | 381 | 9810 | 0.18% | 0.050% |
| 318 | 17.836 | 17.824 | 17.849 | VV | 203 | 2451 | 0.05% | 0.013% |
| 319 | 17.855 | 17.849 | 17.865 | VV | 224 | 1745 | 0.03% | 0.009% |
| 320 | 17.898 | 17.865 | 17.910 | VV | 195 | 4245 | 0.08% | 0.022% |
| 321 | 17.943 | 17.910 | 17.959 | VV | 293 | 5641 | 0.11% | 0.029% |
| 322 | 17.964 | 17.959 | 17.980 | VV | 186 | 1740 | 0.03% | 0.009% |
| 323 | 17.986 | 17.980 | 18.005 | VV | 103 | 1149 | 0.02% | 0.006% |
| 324 | 18.051 | 18.019 | 18.059 | VV | 249 | 4301 | 0.08% | 0.022% |
| 325 | 18.124 | 18.059 | 18.155 | VV | 1150 | 28657 | 0.53% | 0.147% |
| 326 | 18.167 | 18.155 | 18.172 | VV | 216 | 1679 | 0.03% | 0.009% |
| 327 | 18.216 | 18.172 | 18.261 | VV | 1099 | 24057 | 0.45% | 0.123% |
| 328 | 18.270 | 18.261 | 18.292 | VV | 325 | 4619 | 0.09% | 0.024% |
| 329 | 18.298 | 18.292 | 18.316 | VV | 211 | 2215 | 0.04% | 0.011% |
| 330 | 18.346 | 18.338 | 18.367 | VV | 138 | 1481 | 0.03% | 0.008% |
| 331 | 18.419 | 18.381 | 18.424 | PV | 199 | 3179 | 0.06% | 0.016% |
| 332 | 18.450 | 18.424 | 18.467 | VV | 325 | 4675 | 0.09% | 0.024% |
| 333 | 18.501 | 18.467 | 18.507 | VV | 308 | 3837 | 0.07% | 0.020% |
| 334 | 18.549 | 18.512 | 18.594 | VV | 1332 | 32308 | 0.60% | 0.166% |
| 335 | 18.601 | 18.594 | 18.619 | VV | 505 | 6043 | 0.11% | 0.031% |
| 336 | 18.641 | 18.619 | 18.665 | VV | 517 | 10211 | 0.19% | 0.052% |
| 337 | 18.677 | 18.665 | 18.705 | VV | 280 | 4614 | 0.09% | 0.024% |
| 338 | 18.792 | 18.731 | 18.851 | PBA | 466 | 15411 | 0.29% | 0.079% |
| | | | Sum of corrected areas: | | | 19485451 | | |

Aromatic EPH 102925.M Tue Nov 18 01:15:54 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
Data File : FG016930.D
Signal(s) : FID1A.ch
Acq On : 17 Nov 2025 18:31
Operator : YP\AJ
Sample : Q3586-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
SED-2

Integration File: autoint1.e
Quant Time: Nov 18 01:22:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 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 | | | |
| 12) S 1-chlorooctadecane (S... | 13.481 | 4466629 | 37.088 ug/ml |
| Spiked Amount 50.000 | | Recovery = 74.18% | |
| Target Compounds | | | |

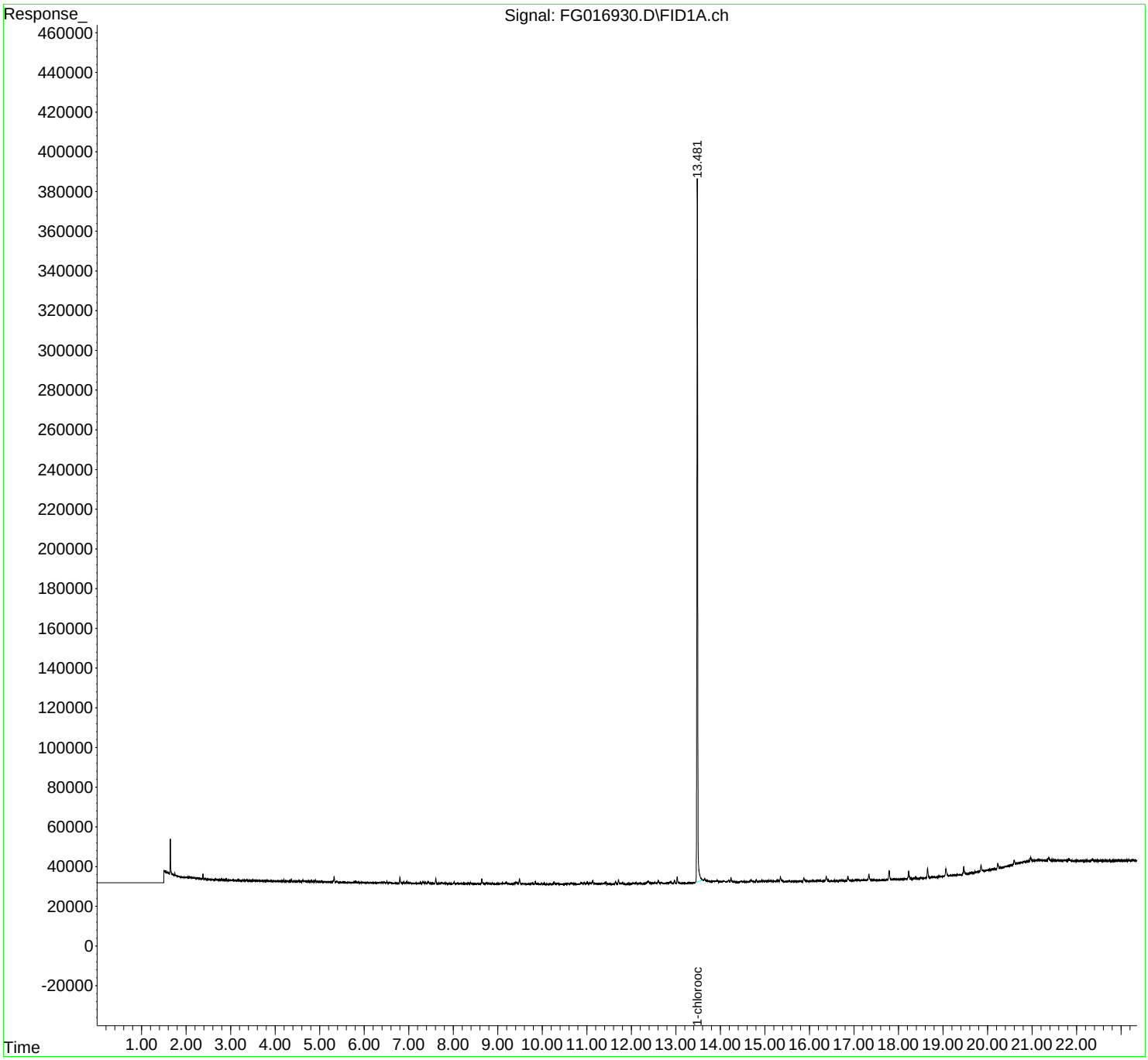
(f)=RT Delta > 1/2 Window (m)=manual int.

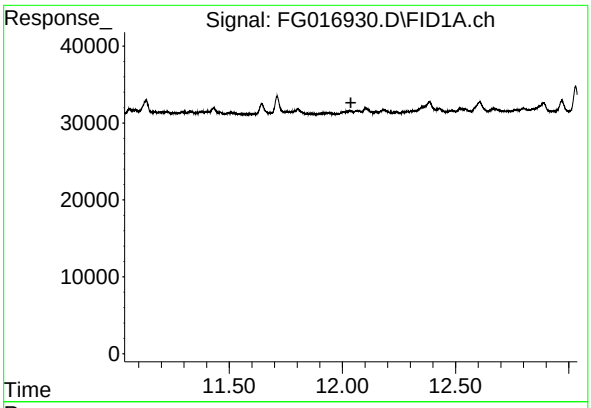
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
Data File : FG016930.D
Signal(s) : FID1A.ch
Acq On : 17 Nov 2025 18:31
Operator : YP\AJ
Sample : Q3586-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
SED-2

Integration File: autoint1.e
Quant Time: Nov 18 01:22:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

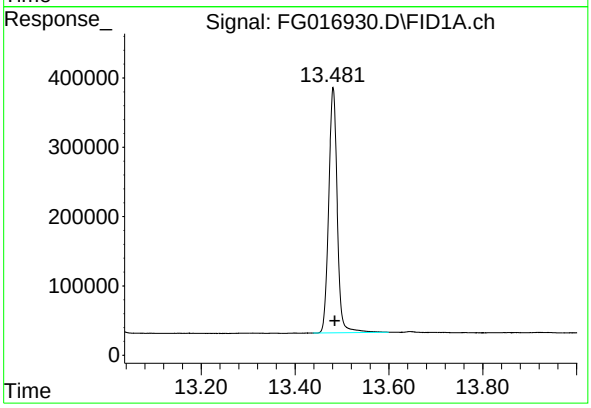





#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.038 min
Response: 0
Conc: N.D.

**Instrument :**
FID_G
**ClientSampleId :**
SED-2




#12 1-chlorooctadecane (SURR)

R.T.: 13.481 min
Delta R.T.: -0.004 min
Response: 4466629
Conc: 37.09 ug/ml

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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
Data File : FG016930.D
Signal(s) : FID1A.ch
Acq On : 17 Nov 2025 18:31
Sample : Q3586-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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 | 3.241 | 3.222 | 3.288 | BV | 59 | 1156 | 0.03% | 0.010% |
| 2 | 3.290 | 3.288 | 3.330 | PV | 68 | 461 | 0.01% | 0.004% |
| 3 | 3.363 | 3.330 | 3.420 | VV | 297 | 4161 | 0.09% | 0.036% |
| 4 | 3.428 | 3.420 | 3.465 | VV | 57 | 1067 | 0.02% | 0.009% |
| 5 | 3.475 | 3.465 | 3.492 | VV | 84 | 769 | 0.02% | 0.007% |
| 6 | 3.509 | 3.492 | 3.518 | VV | 93 | 976 | 0.02% | 0.008% |
| 7 | 3.529 | 3.518 | 3.578 | VV | 86 | 1399 | 0.03% | 0.012% |
| 8 | 3.604 | 3.578 | 3.645 | VV | 101 | 2954 | 0.06% | 0.026% |
| 9 | 3.648 | 3.645 | 3.662 | VV | 103 | 760 | 0.02% | 0.007% |
| 10 | 3.685 | 3.662 | 3.703 | VV | 159 | 2365 | 0.05% | 0.020% |
| 11 | 3.716 | 3.703 | 3.731 | VV | 99 | 1187 | 0.03% | 0.010% |
| 12 | 3.754 | 3.731 | 3.788 | VV | 225 | 3176 | 0.07% | 0.027% |
| 13 | 3.814 | 3.788 | 3.837 | VV | 208 | 2549 | 0.06% | 0.022% |
| 14 | 3.849 | 3.837 | 3.934 | VV | 97 | 4260 | 0.09% | 0.037% |
| 15 | 3.953 | 3.934 | 4.034 | VV | 168 | 4806 | 0.10% | 0.042% |
| 16 | 4.058 | 4.034 | 4.068 | VV | 143 | 1987 | 0.04% | 0.017% |
| 17 | 4.078 | 4.068 | 4.124 | VV | 169 | 2215 | 0.05% | 0.019% |
| 18 | 4.136 | 4.124 | 4.142 | VV | 97 | 702 | 0.02% | 0.006% |
| 19 | 4.157 | 4.142 | 4.174 | VV | 317 | 3651 | 0.08% | 0.032% |
| 20 | 4.192 | 4.174 | 4.222 | VV | 567 | 7578 | 0.16% | 0.066% |
| 21 | 4.230 | 4.222 | 4.250 | VV | 111 | 1404 | 0.03% | 0.012% |
| 22 | 4.270 | 4.250 | 4.315 | VV | 248 | 4727 | 0.10% | 0.041% |
| 23 | 4.328 | 4.315 | 4.337 | VV | 168 | 1800 | 0.04% | 0.016% |
| 24 | 4.363 | 4.337 | 4.385 | VV | 561 | 8364 | 0.18% | 0.072% |
| 25 | 4.390 | 4.385 | 4.408 | VV | 172 | 1505 | 0.03% | 0.013% |
| 26 | 4.422 | 4.408 | 4.458 | VV | 133 | 3589 | 0.08% | 0.031% |
| 27 | 4.498 | 4.458 | 4.512 | VV | 186 | 4345 | 0.09% | 0.038% |
| 28 | 4.531 | 4.512 | 4.558 | VV | 384 | 6851 | 0.15% | 0.059% |
| 29 | 4.568 | 4.558 | 4.605 | VV | 229 | 4616 | 0.10% | 0.040% |
| 30 | 4.621 | 4.605 | 4.683 | VV | 900 | 16262 | 0.35% | 0.141% |
| 31 | 4.695 | 4.683 | 4.722 | VV | 193 | 3797 | 0.08% | 0.033% |
| 32 | 4.745 | 4.722 | 4.772 | VV | 434 | 8833 | 0.19% | 0.076% |
| 33 | 4.779 | 4.772 | 4.785 | VV | 199 | 1430 | 0.03% | 0.012% |
| 34 | 4.809 | 4.785 | 4.854 | VV | 830 | 14392 | 0.31% | 0.125% |
| 35 | 4.873 | 4.854 | 4.888 | VV | 709 | 8233 | 0.18% | 0.071% |
| 36 | 4.906 | 4.888 | 4.948 | VV | 1092 | 14688 | 0.32% | 0.127% |

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|---|---|---|---|---|---|---|---|---|
| 37 | 4.973 | 4.948 | 4.999 | VV | 223 | 5606 | 0.12% | 0.049% |
| 38 | 5.037 | 4.999 | 5.075 | VV | 400 | 9779 | 0.21% | 0.085% |
| 39 | 5.079 | 5.075 | 5.110 | VV | 224 | 3836 | 0.08% | 0.033% |
| 40 | 5.119 | 5.110 | 5.176 | VV | 229 | 5818 | 0.13% | 0.050% |
| 41 | 5.185 | 5.176 | 5.198 | VV | 137 | 1433 | 0.03% | 0.012% |
| 42 | 5.238 | 5.198 | 5.277 | VV | 291 | 7941 | 0.17% | 0.069% |
| 43 | 5.325 | 5.277 | 5.360 | VV | 2938 | 41838 | 0.91% | 0.362% |
| 44 | 5.387 | 5.360 | 5.419 | VV | 689 | 10927 | 0.24% | 0.095% |
| 45 | 5.443 | 5.419 | 5.485 | VV | 288 | 4989 | 0.11% | 0.043% |
| 46 | 5.534 | 5.485 | 5.558 | PV | 179 | 5507 | 0.12% | 0.048% |
| 47 | 5.571 | 5.558 | 5.603 | VV | 162 | 2818 | 0.06% | 0.024% |
| 48 | 5.613 | 5.603 | 5.629 | PV | 109 | 1301 | 0.03% | 0.011% |
| 49 | 5.645 | 5.629 | 5.698 | VV | 139 | 4391 | 0.10% | 0.038% |
| 50 | 5.729 | 5.698 | 5.748 | VV | 261 | 4194 | 0.09% | 0.036% |
| 51 | 5.766 | 5.748 | 5.792 | VV | 489 | 7605 | 0.17% | 0.066% |
| 52 | 5.807 | 5.792 | 5.852 | VV | 980 | 13161 | 0.29% | 0.114% |
| 53 | 5.869 | 5.852 | 5.905 | VV | 286 | 4942 | 0.11% | 0.043% |
| 54 | 5.955 | 5.905 | 6.015 | VV | 306 | 10080 | 0.22% | 0.087% |
| 55 | 6.025 | 6.015 | 6.046 | VV | 163 | 1618 | 0.04% | 0.014% |
| 56 | 6.074 | 6.046 | 6.112 | VV | 290 | 5089 | 0.11% | 0.044% |
| 57 | 6.134 | 6.112 | 6.166 | VV | 271 | 4068 | 0.09% | 0.035% |
| 58 | 6.201 | 6.166 | 6.227 | VV | 155 | 2471 | 0.05% | 0.021% |
| 59 | 6.247 | 6.227 | 6.268 | PV | 277 | 2847 | 0.06% | 0.025% |
| 60 | 6.298 | 6.268 | 6.324 | VV | 232 | 4043 | 0.09% | 0.035% |
| 61 | 6.360 | 6.324 | 6.382 | VV | 493 | 9149 | 0.20% | 0.079% |
| 62 | 6.399 | 6.382 | 6.425 | VV | 605 | 7967 | 0.17% | 0.069% |
| 63 | 6.445 | 6.425 | 6.487 | VV | 912 | 14108 | 0.31% | 0.122% |
| 64 | 6.508 | 6.487 | 6.545 | VV | 848 | 11492 | 0.25% | 0.099% |
| 65 | 6.577 | 6.545 | 6.612 | VV | 332 | 7930 | 0.17% | 0.069% |
| 66 | 6.622 | 6.612 | 6.660 | VV | 114 | 1936 | 0.04% | 0.017% |
| 67 | 6.687 | 6.660 | 6.705 | VV | 124 | 1528 | 0.03% | 0.013% |
| 68 | 6.712 | 6.705 | 6.722 | VV | 208 | 626 | 0.01% | 0.005% |
| 69 | 6.731 | 6.722 | 6.751 | VV | 81 | 805 | 0.02% | 0.007% |
| 70 | 6.762 | 6.751 | 6.768 | VV | 61 | 494 | 0.01% | 0.004% |
| 71 | 6.801 | 6.768 | 6.872 | VV | 3045 | 44651 | 0.97% | 0.386% |
| 72 | 6.886 | 6.872 | 6.908 | VV | 686 | 7961 | 0.17% | 0.069% |
| 73 | 6.924 | 6.908 | 6.937 | VV | 360 | 4399 | 0.10% | 0.038% |
| 74 | 6.955 | 6.937 | 6.977 | VV | 1052 | 12886 | 0.28% | 0.112% |
| 75 | 6.990 | 6.977 | 7.012 | VV | 402 | 5666 | 0.12% | 0.049% |
| 76 | 7.029 | 7.012 | 7.065 | VV | 620 | 8320 | 0.18% | 0.072% |
| 77 | 7.088 | 7.065 | 7.122 | VV | 188 | 3575 | 0.08% | 0.031% |
| 78 | 7.143 | 7.122 | 7.188 | VV | 229 | 4380 | 0.10% | 0.038% |
| 79 | 7.215 | 7.188 | 7.237 | VV | 187 | 2898 | 0.06% | 0.025% |
| 80 | 7.258 | 7.237 | 7.292 | PV | 618 | 8201 | 0.18% | 0.071% |
| 81 | 7.314 | 7.292 | 7.330 | VV | 773 | 11462 | 0.25% | 0.099% |
| 82 | 7.338 | 7.330 | 7.352 | VV | 679 | 6273 | 0.14% | 0.054% |
| 83 | 7.376 | 7.352 | 7.407 | VV | 651 | 14094 | 0.31% | 0.122% |
| 84 | 7.442 | 7.407 | 7.466 | VV | 988 | 18837 | 0.41% | 0.163% |
| 85 | 7.483 | 7.466 | 7.507 | VV | 413 | 5245 | 0.11% | 0.045% |
| 86 | 7.523 | 7.507 | 7.534 | VV | 174 | 2088 | 0.05% | 0.018% |
| 87 | 7.551 | 7.534 | 7.580 | VV | 303 | 5031 | 0.11% | 0.044% |
| 88 | 7.608 | 7.580 | 7.648 | VV | 2663 | 32145 | 0.70% | 0.278% |
| 89 | 7.685 | 7.648 | 7.705 | VV | 348 | 8087 | 0.18% | 0.070% |

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|---|---|---|---|---|---|---|---|---|
| 90 | 7.718 | 7.705 | 7.730 | VV | 423 | 4394 | 0.10% | 0.038% |
| 91 | 7.752 | 7.730 | 7.799 | VV | 568 | 12808 | 0.28% | 0.111% |
| 92 | 7.818 | 7.799 | 7.832 | VV | 427 | 5898 | 0.13% | 0.051% |
| 93 | 7.845 | 7.832 | 7.878 | VV | 445 | 5724 | 0.12% | 0.050% |
| 94 | 7.915 | 7.878 | 7.955 | VV | 188 | 5052 | 0.11% | 0.044% |
| 95 | 7.965 | 7.955 | 7.986 | VV | 127 | 1749 | 0.04% | 0.015% |
| 96 | 8.019 | 7.986 | 8.062 | VV | 993 | 13369 | 0.29% | 0.116% |
| 97 | 8.106 | 8.062 | 8.115 | VV | 195 | 4605 | 0.10% | 0.040% |
| 98 | 8.121 | 8.115 | 8.149 | VV | 251 | 2841 | 0.06% | 0.025% |
| 99 | 8.189 | 8.149 | 8.209 | VV | 293 | 5983 | 0.13% | 0.052% |
| 100 | 8.218 | 8.209 | 8.229 | VV | 159 | 1369 | 0.03% | 0.012% |
| 101 | 8.245 | 8.229 | 8.270 | VV | 150 | 2392 | 0.05% | 0.021% |
| 102 | 8.283 | 8.270 | 8.312 | VV | 140 | 2405 | 0.05% | 0.021% |
| 103 | 8.332 | 8.312 | 8.365 | PV | 541 | 7548 | 0.16% | 0.065% |
| 104 | 8.388 | 8.365 | 8.410 | VV | 841 | 10827 | 0.24% | 0.094% |
| 105 | 8.426 | 8.410 | 8.445 | VV | 240 | 3971 | 0.09% | 0.034% |
| 106 | 8.460 | 8.445 | 8.499 | VV | 196 | 3857 | 0.08% | 0.033% |
| 107 | 8.508 | 8.499 | 8.518 | VV | 111 | 926 | 0.02% | 0.008% |
| 108 | 8.547 | 8.518 | 8.614 | VV | 347 | 9249 | 0.20% | 0.080% |
| 109 | 8.641 | 8.614 | 8.713 | VV | 2704 | 44974 | 0.98% | 0.389% |
| 110 | 8.754 | 8.713 | 8.772 | VV | 479 | 12779 | 0.28% | 0.111% |
| 111 | 8.791 | 8.772 | 8.818 | VV | 503 | 9342 | 0.20% | 0.081% |
| 112 | 8.835 | 8.818 | 8.858 | VV | 420 | 5814 | 0.13% | 0.050% |
| 113 | 8.876 | 8.858 | 8.915 | VV | 588 | 7650 | 0.17% | 0.066% |
| 114 | 8.994 | 8.915 | 9.039 | PV | 404 | 12835 | 0.28% | 0.111% |
| 115 | 9.067 | 9.039 | 9.082 | VV | 267 | 5750 | 0.13% | 0.050% |
| 116 | 9.104 | 9.082 | 9.120 | VV | 548 | 8920 | 0.19% | 0.077% |
| 117 | 9.136 | 9.120 | 9.146 | VV | 426 | 5740 | 0.12% | 0.050% |
| 118 | 9.190 | 9.146 | 9.230 | VV | 872 | 25871 | 0.56% | 0.224% |
| 119 | 9.249 | 9.230 | 9.282 | VV | 451 | 6700 | 0.15% | 0.058% |
| 120 | 9.301 | 9.282 | 9.332 | VV | 353 | 5657 | 0.12% | 0.049% |
| 121 | 9.340 | 9.332 | 9.348 | VV | 164 | 1275 | 0.03% | 0.011% |
| 122 | 9.374 | 9.348 | 9.392 | VV | 663 | 9764 | 0.21% | 0.085% |
| 123 | 9.407 | 9.392 | 9.458 | VV | 1084 | 24488 | 0.53% | 0.212% |
| 124 | 9.488 | 9.458 | 9.532 | VV | 2731 | 44762 | 0.97% | 0.387% |
| 125 | 9.561 | 9.532 | 9.587 | VV | 659 | 9513 | 0.21% | 0.082% |
| 126 | 9.610 | 9.587 | 9.646 | VV | 456 | 7161 | 0.16% | 0.062% |
| 127 | 9.663 | 9.646 | 9.677 | VV | 167 | 2519 | 0.05% | 0.022% |
| 128 | 9.694 | 9.677 | 9.740 | VV | 311 | 8295 | 0.18% | 0.072% |
| 129 | 9.776 | 9.740 | 9.818 | VV | 598 | 13975 | 0.30% | 0.121% |
| 130 | 9.842 | 9.818 | 9.885 | VV | 1172 | 18647 | 0.41% | 0.161% |
| 131 | 9.914 | 9.885 | 9.935 | VV | 230 | 5258 | 0.11% | 0.046% |
| 132 | 9.941 | 9.935 | 9.961 | VV | 166 | 1923 | 0.04% | 0.017% |
| 133 | 9.985 | 9.961 | 10.014 | VV | 581 | 9326 | 0.20% | 0.081% |
| 134 | 10.038 | 10.014 | 10.088 | VV | 606 | 11037 | 0.24% | 0.096% |
| 135 | 10.098 | 10.088 | 10.116 | VV | 175 | 1627 | 0.04% | 0.014% |
| 136 | 10.128 | 10.116 | 10.139 | VV | 80 | 729 | 0.02% | 0.006% |
| 137 | 10.181 | 10.139 | 10.217 | PV | 416 | 6941 | 0.15% | 0.060% |
| 138 | 10.227 | 10.217 | 10.238 | VV | 173 | 1796 | 0.04% | 0.016% |
| 139 | 10.260 | 10.238 | 10.311 | VV | 1304 | 21505 | 0.47% | 0.186% |
| 140 | 10.332 | 10.311 | 10.396 | VV | 436 | 14980 | 0.33% | 0.130% |
| 141 | 10.407 | 10.396 | 10.455 | VV | 213 | 4640 | 0.10% | 0.040% |

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|---|---|---|---|---|---|---|---|---|
| 142 | 10.538 | 10.455 | 10.558 | PV | 300 | 6520 | 0.14% | 0.056% |
| 143 | 10.581 | 10.558 | 10.602 | VV | 551 | 8766 | 0.19% | 0.076% |
| 144 | 10.609 | 10.602 | 10.621 | VV | 274 | 2584 | 0.06% | 0.022% |
| 145 | 10.654 | 10.621 | 10.675 | VV | 708 | 13707 | 0.30% | 0.119% |
| 146 | 10.692 | 10.675 | 10.714 | VV | 569 | 9269 | 0.20% | 0.080% |
| 147 | 10.742 | 10.714 | 10.786 | VV | 453 | 11135 | 0.24% | 0.096% |
| 148 | 10.796 | 10.786 | 10.832 | VV | 178 | 4008 | 0.09% | 0.035% |
| 149 | 10.865 | 10.832 | 10.879 | VV | 600 | 10254 | 0.22% | 0.089% |
| 150 | 10.897 | 10.879 | 10.917 | VV | 488 | 9126 | 0.20% | 0.079% |
| 151 | 10.944 | 10.917 | 10.966 | VV | 702 | 14747 | 0.32% | 0.128% |
| 152 | 11.006 | 10.966 | 11.040 | VV | 886 | 24958 | 0.54% | 0.216% |
| 153 | 11.061 | 11.040 | 11.078 | VV | 746 | 12708 | 0.28% | 0.110% |
| 154 | 11.084 | 11.078 | 11.101 | VV | 636 | 7520 | 0.16% | 0.065% |
| 155 | 11.132 | 11.101 | 11.192 | VV | 1915 | 41569 | 0.90% | 0.360% |
| 156 | 11.222 | 11.192 | 11.243 | VV | 414 | 10153 | 0.22% | 0.088% |
| 157 | 11.258 | 11.243 | 11.270 | VV | 254 | 3344 | 0.07% | 0.029% |
| 158 | 11.293 | 11.270 | 11.315 | VV | 314 | 7047 | 0.15% | 0.061% |
| 159 | 11.328 | 11.315 | 11.355 | VV | 432 | 7745 | 0.17% | 0.067% |
| 160 | 11.375 | 11.355 | 11.388 | VV | 417 | 6636 | 0.14% | 0.057% |
| 161 | 11.401 | 11.388 | 11.410 | VV | 410 | 4881 | 0.11% | 0.042% |
| 162 | 11.431 | 11.410 | 11.452 | VV | 909 | 13784 | 0.30% | 0.119% |
| 163 | 11.460 | 11.452 | 11.479 | VV | 310 | 3392 | 0.07% | 0.029% |
| 164 | 11.508 | 11.479 | 11.551 | VV | 272 | 6918 | 0.15% | 0.060% |
| 165 | 11.564 | 11.551 | 11.602 | VV | 114 | 1987 | 0.04% | 0.017% |
| 166 | 11.643 | 11.602 | 11.685 | VV | 1426 | 23437 | 0.51% | 0.203% |
| 167 | 11.711 | 11.685 | 11.742 | VV | 2379 | 35093 | 0.76% | 0.304% |
| 168 | 11.759 | 11.742 | 11.775 | VV | 394 | 6842 | 0.15% | 0.059% |
| 169 | 11.804 | 11.775 | 11.865 | VV | 738 | 17075 | 0.37% | 0.148% |
| 170 | 11.870 | 11.865 | 11.888 | VV | 145 | 941 | 0.02% | 0.008% |
| 171 | 11.941 | 11.888 | 11.972 | PV | 192 | 5989 | 0.13% | 0.052% |
| 172 | 12.030 | 11.972 | 12.052 | VV | 395 | 12250 | 0.27% | 0.106% |
| 173 | 12.103 | 12.052 | 12.158 | VV | 747 | 24497 | 0.53% | 0.212% |
| 174 | 12.181 | 12.158 | 12.222 | VV | 533 | 12673 | 0.28% | 0.110% |
| 175 | 12.237 | 12.222 | 12.258 | VV | 281 | 3711 | 0.08% | 0.032% |
| 176 | 12.306 | 12.258 | 12.325 | VV | 397 | 11249 | 0.24% | 0.097% |
| 177 | 12.384 | 12.325 | 12.412 | VV | 1560 | 45430 | 0.99% | 0.393% |
| 178 | 12.428 | 12.412 | 12.456 | VV | 664 | 11787 | 0.26% | 0.102% |
| 179 | 12.482 | 12.456 | 12.502 | VV | 375 | 7570 | 0.16% | 0.066% |
| 180 | 12.522 | 12.502 | 12.538 | VV | 642 | 10332 | 0.22% | 0.089% |
| 181 | 12.543 | 12.538 | 12.568 | VV | 560 | 6888 | 0.15% | 0.060% |
| 182 | 12.606 | 12.568 | 12.643 | VV | 1431 | 33414 | 0.73% | 0.289% |
| 183 | 12.668 | 12.643 | 12.742 | VV | 606 | 19839 | 0.43% | 0.172% |
| 184 | 12.764 | 12.742 | 12.778 | VV | 374 | 6757 | 0.15% | 0.058% |
| 185 | 12.799 | 12.778 | 12.825 | VV | 567 | 12436 | 0.27% | 0.108% |
| 186 | 12.889 | 12.825 | 12.935 | VV | 1264 | 37514 | 0.82% | 0.325% |
| 187 | 12.969 | 12.935 | 13.001 | VV | 1573 | 24868 | 0.54% | 0.215% |
| 188 | 13.030 | 13.001 | 13.082 | VV | 3394 | 51323 | 1.12% | 0.444% |
| 189 | 13.092 | 13.082 | 13.133 | VV | 317 | 6763 | 0.15% | 0.059% |
| 190 | 13.153 | 13.133 | 13.259 | VV | 312 | 11061 | 0.24% | 0.096% |
| 191 | 13.309 | 13.259 | 13.342 | PV | 397 | 13490 | 0.29% | 0.117% |
| 192 | 13.357 | 13.342 | 13.373 | VV | 317 | 4418 | 0.10% | 0.038% |
| 193 | 13.400 | 13.373 | 13.409 | VV | 445 | 6680 | 0.15% | 0.058% |
| 194 | 13.481 | 13.409 | 13.624 | VV | 355055 | 4598915 | 100.00% | 39.803% |

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|---|---|---|---|---|---|---|---|---|
| 195 | 13.646 | 13.624 | 13.679 | VV | 2531 | 59264 | 1.29% | 0.513% |
| 196 | 13.695 | 13.679 | 13.745 | VV | 1423 | 47706 | 1.04% | 0.413% |
| 197 | 13.762 | 13.745 | 13.805 | VV | 1024 | 31302 | 0.68% | 0.271% |
| 198 | 13.824 | 13.805 | 13.834 | VV | 943 | 14864 | 0.32% | 0.129% |
| 199 | 13.855 | 13.834 | 13.898 | VV | 1004 | 36859 | 0.80% | 0.319% |
| 200 | 13.921 | 13.898 | 13.933 | VV | 1230 | 23148 | 0.50% | 0.200% |
| 201 | 13.937 | 13.933 | 13.972 | VV | 1125 | 19153 | 0.42% | 0.166% |
| 202 | 13.989 | 13.972 | 14.015 | VV | 708 | 16425 | 0.36% | 0.142% |
| 203 | 14.031 | 14.015 | 14.045 | VV | 763 | 12405 | 0.27% | 0.107% |
| 204 | 14.070 | 14.045 | 14.127 | VV | 965 | 38638 | 0.84% | 0.334% |
| 205 | 14.145 | 14.127 | 14.154 | VV | 753 | 10722 | 0.23% | 0.093% |
| 206 | 14.185 | 14.154 | 14.212 | VV | 1406 | 30992 | 0.67% | 0.268% |
| 207 | 14.238 | 14.212 | 14.278 | VV | 2681 | 49108 | 1.07% | 0.425% |
| 208 | 14.291 | 14.278 | 14.312 | VV | 630 | 10688 | 0.23% | 0.092% |
| 209 | 14.332 | 14.312 | 14.366 | VV | 485 | 13048 | 0.28% | 0.113% |
| 210 | 14.387 | 14.366 | 14.412 | VV | 368 | 8164 | 0.18% | 0.071% |
| 211 | 14.472 | 14.412 | 14.518 | VV | 791 | 30146 | 0.66% | 0.261% |
| 212 | 14.539 | 14.518 | 14.562 | VV | 469 | 11007 | 0.24% | 0.095% |
| 213 | 14.574 | 14.562 | 14.588 | VV | 508 | 7145 | 0.16% | 0.062% |
| 214 | 14.627 | 14.588 | 14.638 | VV | 543 | 13721 | 0.30% | 0.119% |
| 215 | 14.683 | 14.638 | 14.781 | VV | 1226 | 58246 | 1.27% | 0.504% |
| 216 | 14.805 | 14.781 | 14.846 | VV | 1357 | 28472 | 0.62% | 0.246% |
| 217 | 14.874 | 14.846 | 14.887 | VV | 594 | 13025 | 0.28% | 0.113% |
| 218 | 14.923 | 14.887 | 14.949 | VV | 765 | 25746 | 0.56% | 0.223% |
| 219 | 14.964 | 14.949 | 14.988 | VV | 771 | 15989 | 0.35% | 0.138% |
| 220 | 15.006 | 14.988 | 15.039 | VV | 696 | 17201 | 0.37% | 0.149% |
| 221 | 15.062 | 15.039 | 15.080 | VV | 714 | 14324 | 0.31% | 0.124% |
| 222 | 15.124 | 15.080 | 15.142 | VV | 779 | 23387 | 0.51% | 0.202% |
| 223 | 15.157 | 15.142 | 15.176 | VV | 729 | 12295 | 0.27% | 0.106% |
| 224 | 15.197 | 15.176 | 15.220 | VV | 666 | 14239 | 0.31% | 0.123% |
| 225 | 15.231 | 15.220 | 15.252 | VV | 444 | 7888 | 0.17% | 0.068% |
| 226 | 15.271 | 15.252 | 15.288 | VV | 1086 | 15994 | 0.35% | 0.138% |
| 227 | 15.305 | 15.288 | 15.324 | VV | 924 | 15639 | 0.34% | 0.135% |
| 228 | 15.349 | 15.324 | 15.397 | VV | 2527 | 50677 | 1.10% | 0.439% |
| 229 | 15.404 | 15.397 | 15.462 | VV | 468 | 12170 | 0.26% | 0.105% |
| 230 | 15.481 | 15.462 | 15.500 | VV | 266 | 4973 | 0.11% | 0.043% |
| 231 | 15.543 | 15.500 | 15.578 | VV | 395 | 14797 | 0.32% | 0.128% |
| 232 | 15.625 | 15.578 | 15.644 | VV | 360 | 11015 | 0.24% | 0.095% |
| 233 | 15.687 | 15.644 | 15.717 | VV | 295 | 8445 | 0.18% | 0.073% |
| 234 | 15.740 | 15.717 | 15.755 | VV | 308 | 4743 | 0.10% | 0.041% |
| 235 | 15.776 | 15.755 | 15.814 | VV | 378 | 10000 | 0.22% | 0.087% |
| 236 | 15.874 | 15.814 | 15.961 | VV | 2044 | 52792 | 1.15% | 0.457% |
| 237 | 15.994 | 15.961 | 16.032 | VV | 291 | 10576 | 0.23% | 0.092% |
| 238 | 16.053 | 16.032 | 16.125 | VV | 514 | 18544 | 0.40% | 0.160% |
| 239 | 16.144 | 16.125 | 16.154 | VV | 268 | 3997 | 0.09% | 0.035% |
| 240 | 16.183 | 16.154 | 16.215 | VV | 552 | 15609 | 0.34% | 0.135% |
| 241 | 16.230 | 16.215 | 16.292 | VV | 539 | 15635 | 0.34% | 0.135% |
| 242 | 16.299 | 16.292 | 16.308 | VV | 199 | 1470 | 0.03% | 0.013% |
| 243 | 16.339 | 16.308 | 16.352 | VV | 449 | 7485 | 0.16% | 0.065% |
| 244 | 16.378 | 16.352 | 16.458 | VV | 2618 | 54918 | 1.19% | 0.475% |
| 245 | 16.466 | 16.458 | 16.498 | VV | 177 | 2721 | 0.06% | 0.024% |
| 246 | 16.514 | 16.498 | 16.528 | PV | 94 | 1089 | 0.02% | 0.009% |

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|---|---|---|---|---|---|---|---|---|
| 247 | 16.556 | 16.528 | 16.623 | VV | 349 | 10531 | 0.23% | 0.091% |
| 248 | 16.632 | 16.623 | 16.645 | VV | 94 | 892 | 0.02% | 0.008% |
| 249 | 16.692 | 16.645 | 16.715 | VV | 281 | 7240 | 0.16% | 0.063% |
| 250 | 16.740 | 16.715 | 16.790 | VV | 225 | 5701 | 0.12% | 0.049% |
| 251 | 16.865 | 16.790 | 16.946 | VV | 2506 | 51704 | 1.12% | 0.447% |
| 252 | 16.957 | 16.946 | 16.971 | VV | 208 | 2367 | 0.05% | 0.020% |
| 253 | 17.029 | 16.971 | 17.055 | VV | 349 | 11895 | 0.26% | 0.103% |
| 254 | 17.073 | 17.055 | 17.137 | VV | 373 | 12903 | 0.28% | 0.112% |
| 255 | 17.168 | 17.137 | 17.184 | VV | 444 | 7829 | 0.17% | 0.068% |
| 256 | 17.216 | 17.184 | 17.248 | VV | 456 | 11696 | 0.25% | 0.101% |
| 257 | 17.256 | 17.248 | 17.279 | VV | 308 | 4493 | 0.10% | 0.039% |
| 258 | 17.334 | 17.279 | 17.422 | VV | 3019 | 65073 | 1.41% | 0.563% |
| 259 | 17.446 | 17.422 | 17.474 | VV | 228 | 5964 | 0.13% | 0.052% |
| 260 | 17.483 | 17.474 | 17.523 | VV | 224 | 4262 | 0.09% | 0.037% |
| 261 | 17.581 | 17.523 | 17.607 | VV | 180 | 5484 | 0.12% | 0.047% |
| 262 | 17.628 | 17.607 | 17.648 | VV | 198 | 2940 | 0.06% | 0.025% |
| 263 | 17.670 | 17.648 | 17.692 | VV | 213 | 3173 | 0.07% | 0.027% |
| 264 | 17.788 | 17.692 | 17.848 | PV | 4659 | 83972 | 1.83% | 0.727% |
| 265 | 17.895 | 17.848 | 17.948 | VV | 313 | 14062 | 0.31% | 0.122% |
| 266 | 17.955 | 17.948 | 17.978 | VV | 117 | 1761 | 0.04% | 0.015% |
| 267 | 17.997 | 17.978 | 18.030 | VV | 144 | 2912 | 0.06% | 0.025% |
| 268 | 18.074 | 18.030 | 18.093 | VV | 333 | 5655 | 0.12% | 0.049% |
| 269 | 18.132 | 18.093 | 18.142 | VV | 177 | 3678 | 0.08% | 0.032% |
| 270 | 18.227 | 18.142 | 18.329 | VV | 4083 | 77414 | 1.68% | 0.670% |
| 271 | 18.377 | 18.329 | 18.427 | VV | 607 | 17595 | 0.38% | 0.152% |
| 272 | 18.435 | 18.427 | 18.459 | VV | 113 | 1315 | 0.03% | 0.011% |
| 273 | 18.505 | 18.459 | 18.535 | PV | 468 | 9889 | 0.22% | 0.086% |
| 274 | 18.551 | 18.535 | 18.572 | VV | 217 | 3230 | 0.07% | 0.028% |
| 275 | 18.653 | 18.572 | 18.723 | PV | 4938 | 83520 | 1.82% | 0.723% |
| 276 | 18.747 | 18.723 | 18.767 | VV | 446 | 7019 | 0.15% | 0.061% |
| 277 | 18.796 | 18.767 | 18.825 | VV | 230 | 4976 | 0.11% | 0.043% |
| 278 | 18.918 | 18.825 | 18.942 | VV | 368 | 9282 | 0.20% | 0.080% |
| 279 | 18.954 | 18.942 | 19.008 | VV | 251 | 4149 | 0.09% | 0.036% |
| 280 | 19.066 | 19.008 | 19.138 | PV | 3780 | 74950 | 1.63% | 0.649% |
| 281 | 19.223 | 19.138 | 19.292 | VV | 332 | 15868 | 0.35% | 0.137% |
| 282 | 19.320 | 19.292 | 19.344 | VV | 333 | 6433 | 0.14% | 0.056% |
| 283 | 19.377 | 19.344 | 19.410 | VV | 202 | 6098 | 0.13% | 0.053% |
| 284 | 19.465 | 19.410 | 19.530 | PV | 3947 | 73363 | 1.60% | 0.635% |
| 285 | 19.647 | 19.530 | 19.676 | VV | 613 | 33889 | 0.74% | 0.293% |
| 286 | 19.714 | 19.676 | 19.735 | VV | 690 | 19706 | 0.43% | 0.171% |
| 287 | 19.792 | 19.735 | 19.803 | VV | 668 | 24946 | 0.54% | 0.216% |
| 288 | 19.854 | 19.803 | 19.933 | VV | 3975 | 113870 | 2.48% | 0.986% |
| 289 | 20.040 | 19.933 | 20.062 | VV | 1093 | 75835 | 1.65% | 0.656% |
| 290 | 20.150 | 20.062 | 20.183 | VV | 1479 | 89283 | 1.94% | 0.773% |
| 291 | 20.231 | 20.183 | 20.262 | VV | 3896 | 100444 | 2.18% | 0.869% |
| 292 | 20.287 | 20.262 | 20.304 | VV | 1657 | 40308 | 0.88% | 0.349% |
| 293 | 20.417 | 20.304 | 20.437 | VV | 1994 | 139702 | 3.04% | 1.209% |
| 294 | 20.479 | 20.437 | 20.487 | VV | 2181 | 63020 | 1.37% | 0.545% |
| 295 | 20.511 | 20.487 | 20.535 | VV | 2465 | 66671 | 1.45% | 0.577% |
| 296 | 20.543 | 20.535 | 20.550 | VV | 2332 | 20757 | 0.45% | 0.180% |
| 297 | 20.599 | 20.550 | 20.635 | VV | 4707 | 165075 | 3.59% | 1.429% |
| 298 | 20.668 | 20.635 | 20.688 | VV | 3105 | 95156 | 2.07% | 0.824% |
| 299 | 20.842 | 20.688 | 20.850 | VV | 3437 | 311019 | 6.76% | 2.692% |

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|---|---|---|---|---|---|---|---|---|
| 300 | 20.877 | 20.850 | 20.931 | VV | 3599 | 169795 | 3.69% | 1.470% |
| 301 | 20.967 | 20.931 | 21.012 | VV | 5098 | 195870 | 4.26% | 1.695% |
| 302 | 21.051 | 21.012 | 21.073 | VV | 3528 | 127265 | 2.77% | 1.101% |
| 303 | 21.155 | 21.073 | 21.193 | VV | 3583 | 249723 | 5.43% | 2.161% |
| 304 | 21.210 | 21.193 | 21.251 | VV | 3329 | 111528 | 2.43% | 0.965% |
| 305 | 21.272 | 21.251 | 21.314 | VV | 3093 | 112244 | 2.44% | 0.971% |
| 306 | 21.374 | 21.314 | 21.454 | VV | 4126 | 262615 | 5.71% | 2.273% |
| 307 | 21.468 | 21.454 | 21.521 | VV | 2769 | 103747 | 2.26% | 0.898% |
| 308 | 21.531 | 21.521 | 21.540 | VV | 2491 | 27552 | 0.60% | 0.238% |
| 309 | 21.546 | 21.540 | 21.615 | VV | 2463 | 104722 | 2.28% | 0.906% |
| 310 | 21.628 | 21.615 | 21.637 | VV | 2240 | 28565 | 0.62% | 0.247% |
| 311 | 21.658 | 21.637 | 21.692 | VV | 2147 | 68419 | 1.49% | 0.592% |
| 312 | 21.709 | 21.692 | 21.797 | VV | 2060 | 119733 | 2.60% | 1.036% |
| 313 | 21.834 | 21.797 | 21.900 | VV | 2393 | 111805 | 2.43% | 0.968% |
| 314 | 21.911 | 21.900 | 21.942 | VV | 1365 | 33105 | 0.72% | 0.287% |
| 315 | 21.978 | 21.942 | 22.002 | VV | 1301 | 45160 | 0.98% | 0.391% |
| 316 | 22.008 | 22.002 | 22.048 | VV | 1175 | 30523 | 0.66% | 0.264% |
| 317 | 22.071 | 22.048 | 22.122 | VV | 1001 | 40024 | 0.87% | 0.346% |
| 318 | 22.148 | 22.122 | 22.184 | VV | 827 | 28174 | 0.61% | 0.244% |
| 319 | 22.213 | 22.184 | 22.271 | VV | 687 | 31012 | 0.67% | 0.268% |
| 320 | 22.353 | 22.271 | 22.478 | VV | 1063 | 58401 | 1.27% | 0.505% |

Sum of corrected areas: 11554263

Aliphatic EPH 102925.M Tue Nov 18 03:12:46 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016724.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 19:01
Operator : YP\AJ
Sample : Q3586-03
Misc :
ALS Vial : 78 Sample Multiplier: 1

**Instrument :**
FID_F
**ClientSampleId :**
SED-3

Integration File: autoint1.e
Quant Time: Nov 18 00:34:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| **System Monitoring Compounds** | | | |
| 4) S 2-Bromonaphthalene (S... | 8.011 | 6303217 | 55.622 ug/ml |
| Spiked Amount 50.000 | | Recovery = 111.24% | |
| 6) S 2-Flurobiphenyl (SURR) | 8.886 | 4211923 | 59.056 ug/ml |
| Spiked Amount 50.000 | Range 0 - 131 | Recovery = 118.11% | |
| 11) S ortho-Terphenyl (SURR) | 11.954 | 6957013 | 47.374 ug/ml |
| Spiked Amount 50.000 | | Recovery = 94.75% | |
| **Target Compounds** | | | |

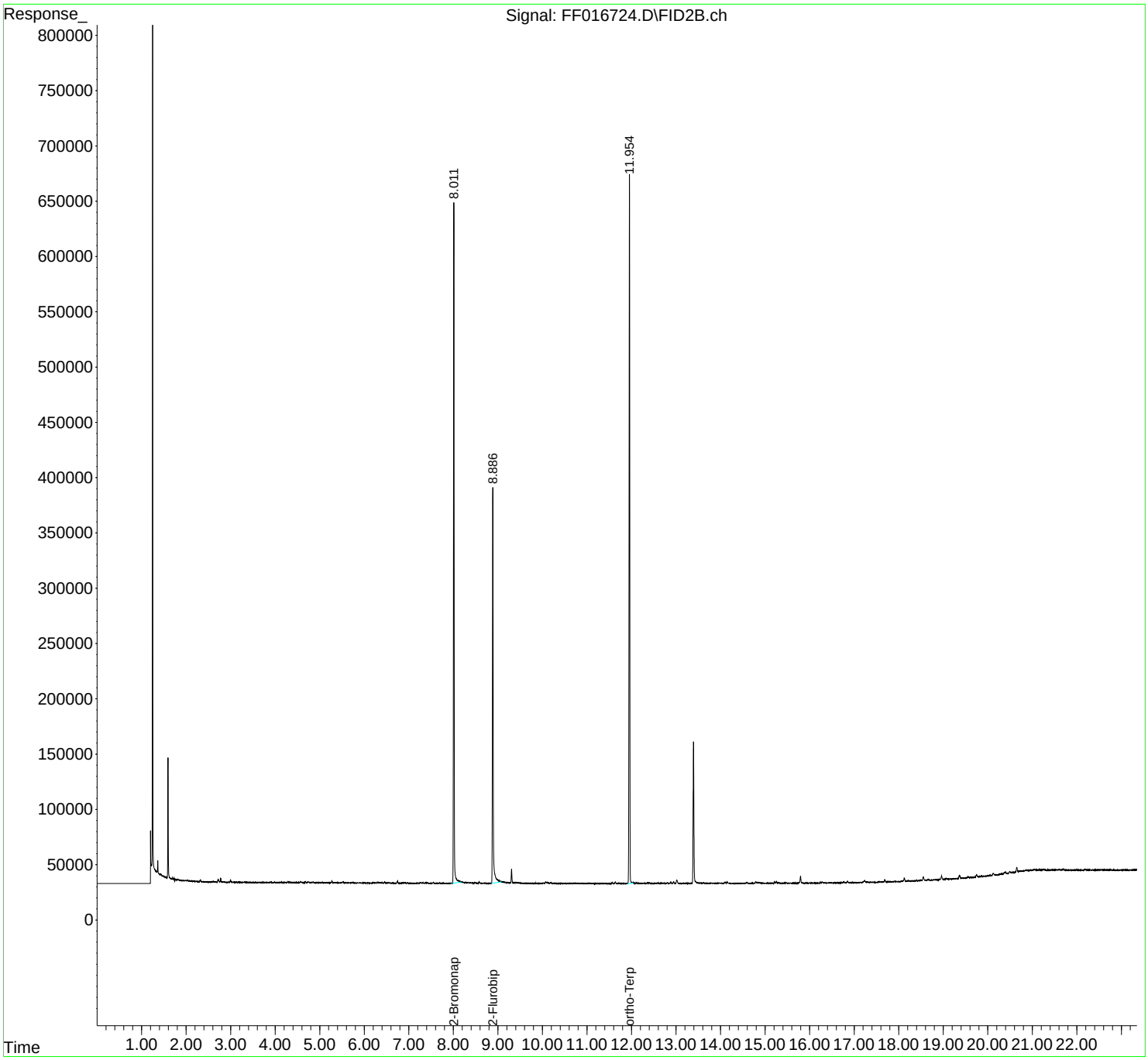
(f)=RT Delta > 1/2 Window (m)=manual int.

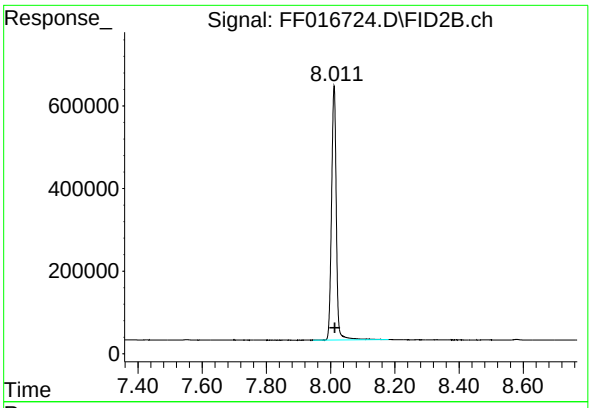
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016724.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 19:01
Operator : YP\AJ
Sample : Q3586-03
Misc :
ALS Vial : 78 Sample Multiplier: 1

**Instrument :**
FID_F
**ClientSampleId :**
SED-3

Integration File: autoint1.e
Quant Time: Nov 18 00:34:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

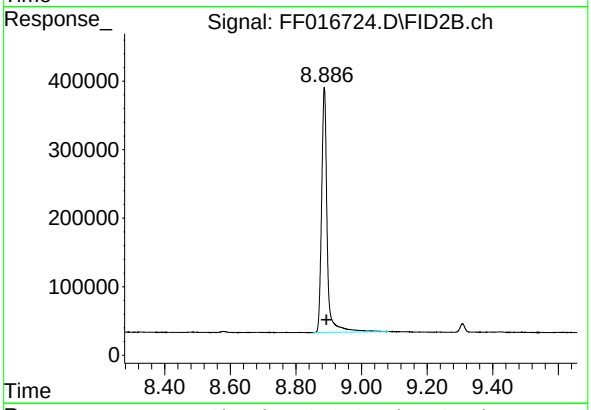





#4 2-Bromonaphthalene (SURR)

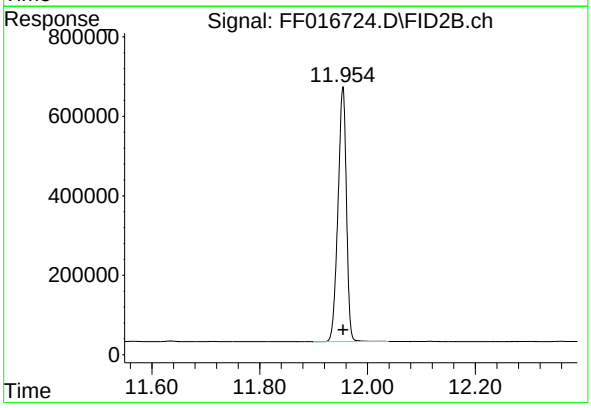
R.T.: 8.011 min
Delta R.T.: -0.002 min
Response: 6303217
Conc: 55.62 ug/ml

**Instrument :**
FID_F
**ClientSampleId :**
SED-3




#6 2-Flurobiphenyl (SURR)

R.T.: 8.886 min
Delta R.T.: -0.006 min
Response: 4211923
Conc: 59.06 ug/ml




#11 ortho-Terphenyl (SURR)

R.T.: 11.954 min
Delta R.T.: 0.000 min
Response: 6957013
Conc: 47.37 ug/ml

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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016724.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 19:01
Sample : Q3586-03
Misc :
ALS Vial : 78 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Title : GC Extractables

Signal : FID2B.ch

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|
| 1 | 4.477 | 4.454 | 4.501 | PV | 423 | 4338 | 0.06% | 0.020% |
| 2 | 4.506 | 4.501 | 4.545 | PV | 134 | 1432 | 0.02% | 0.007% |
| 3 | 4.568 | 4.545 | 4.590 | VV | 1084 | 11762 | 0.17% | 0.053% |
| 4 | 4.601 | 4.590 | 4.627 | VV | 377 | 3952 | 0.06% | 0.018% |
| 5 | 4.645 | 4.627 | 4.657 | VV | 184 | 1825 | 0.03% | 0.008% |
| 6 | 4.677 | 4.657 | 4.717 | VV | 520 | 9116 | 0.13% | 0.041% |
| 7 | 4.734 | 4.717 | 4.745 | VV | 928 | 10416 | 0.15% | 0.047% |
| 8 | 4.755 | 4.745 | 4.777 | VV | 605 | 7724 | 0.11% | 0.035% |
| 9 | 4.794 | 4.777 | 4.802 | VV | 210 | 2193 | 0.03% | 0.010% |
| 10 | 4.819 | 4.802 | 4.835 | VV | 471 | 4771 | 0.07% | 0.022% |
| 11 | 4.851 | 4.835 | 4.872 | VV | 663 | 7344 | 0.10% | 0.033% |
| 12 | 4.889 | 4.872 | 4.896 | VV | 167 | 1415 | 0.02% | 0.006% |
| 13 | 4.911 | 4.896 | 4.919 | VV | 159 | 1588 | 0.02% | 0.007% |
| 14 | 4.925 | 4.919 | 4.943 | VV | 123 | 1586 | 0.02% | 0.007% |
| 15 | 4.959 | 4.952 | 4.971 | VV | 170 | 1484 | 0.02% | 0.007% |
| 16 | 4.983 | 4.971 | 5.008 | VV | 235 | 3655 | 0.05% | 0.017% |
| 17 | 5.030 | 5.008 | 5.051 | VV | 221 | 3857 | 0.06% | 0.018% |
| 18 | 5.068 | 5.051 | 5.127 | VV | 335 | 5586 | 0.08% | 0.025% |
| 19 | 5.149 | 5.134 | 5.166 | VV | 168 | 1935 | 0.03% | 0.009% |
| 20 | 5.173 | 5.166 | 5.225 | VV | 205 | 3997 | 0.06% | 0.018% |
| 21 | 5.248 | 5.225 | 5.255 | VV | 333 | 3524 | 0.05% | 0.016% |
| 22 | 5.272 | 5.255 | 5.305 | VV | 1706 | 21555 | 0.31% | 0.098% |
| 23 | 5.330 | 5.305 | 5.351 | PV | 459 | 8181 | 0.12% | 0.037% |
| 24 | 5.369 | 5.351 | 5.380 | VV | 437 | 5551 | 0.08% | 0.025% |
| 25 | 5.387 | 5.380 | 5.442 | VV | 348 | 5387 | 0.08% | 0.024% |
| 26 | 5.485 | 5.464 | 5.491 | VV | 117 | 1115 | 0.02% | 0.005% |
| 27 | 5.517 | 5.497 | 5.555 | VV | 1142 | 18754 | 0.27% | 0.085% |
| 28 | 5.566 | 5.555 | 5.575 | VV | 327 | 3364 | 0.05% | 0.015% |
| 29 | 5.583 | 5.575 | 5.593 | VV | 278 | 2339 | 0.03% | 0.011% |
| 30 | 5.599 | 5.593 | 5.620 | VV | 171 | 2111 | 0.03% | 0.010% |
| 31 | 5.643 | 5.620 | 5.654 | VV | 182 | 2709 | 0.04% | 0.012% |
| 32 | 5.671 | 5.667 | 5.689 | VV | 159 | 1462 | 0.02% | 0.007% |
| 33 | 5.708 | 5.689 | 5.723 | VV | 468 | 5529 | 0.08% | 0.025% |
| 34 | 5.755 | 5.723 | 5.774 | VV | 532 | 9761 | 0.14% | 0.044% |
| 35 | 5.785 | 5.774 | 5.799 | VV | 146 | 1307 | 0.02% | 0.006% |
| 36 | 5.818 | 5.799 | 5.829 | VV | 162 | 1950 | 0.03% | 0.009% |

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|---|---|---|---|---|---|---|---|---|
| 37 | 5.846 | 5.838 | 5.889 | VV | 173 | 3536 | 0.05% | 0.016% |
| 38 | 5.903 | 5.889 | 5.914 | VV | 284 | 2803 | 0.04% | 0.013% |
| 39 | 5.917 | 5.914 | 5.938 | VV | 209 | 1861 | 0.03% | 0.008% |
| 40 | 5.975 | 5.938 | 5.988 | PV | 279 | 3896 | 0.06% | 0.018% |
| 41 | 6.020 | 6.003 | 6.044 | VV | 285 | 4211 | 0.06% | 0.019% |
| 42 | 6.061 | 6.044 | 6.072 | VV | 247 | 2692 | 0.04% | 0.012% |
| 43 | 6.080 | 6.072 | 6.131 | VV | 362 | 5180 | 0.07% | 0.024% |
| 44 | 6.149 | 6.131 | 6.171 | VV | 133 | 1481 | 0.02% | 0.007% |
| 45 | 6.197 | 6.171 | 6.216 | PV | 725 | 9885 | 0.14% | 0.045% |
| 46 | 6.220 | 6.216 | 6.227 | VV | 285 | 1469 | 0.02% | 0.007% |
| 47 | 6.247 | 6.227 | 6.263 | VV | 328 | 4799 | 0.07% | 0.022% |
| 48 | 6.296 | 6.263 | 6.329 | VV | 890 | 21141 | 0.30% | 0.096% |
| 49 | 6.344 | 6.329 | 6.369 | VV | 648 | 8676 | 0.12% | 0.039% |
| 50 | 6.390 | 6.369 | 6.429 | VV | 1017 | 16034 | 0.23% | 0.073% |
| 51 | 6.455 | 6.429 | 6.496 | VV | 1225 | 18937 | 0.27% | 0.086% |
| 52 | 6.513 | 6.496 | 6.522 | VV | 313 | 3791 | 0.05% | 0.017% |
| 53 | 6.532 | 6.522 | 6.537 | VV | 348 | 2762 | 0.04% | 0.013% |
| 54 | 6.541 | 6.537 | 6.553 | VV | 317 | 2655 | 0.04% | 0.012% |
| 55 | 6.560 | 6.553 | 6.579 | VV | 262 | 3565 | 0.05% | 0.016% |
| 56 | 6.595 | 6.579 | 6.604 | VV | 316 | 3906 | 0.06% | 0.018% |
| 57 | 6.611 | 6.604 | 6.627 | VV | 259 | 3156 | 0.05% | 0.014% |
| 58 | 6.631 | 6.627 | 6.653 | VV | 293 | 3511 | 0.05% | 0.016% |
| 59 | 6.658 | 6.653 | 6.669 | VV | 242 | 1810 | 0.03% | 0.008% |
| 60 | 6.674 | 6.669 | 6.705 | VV | 179 | 2830 | 0.04% | 0.013% |
| 61 | 6.713 | 6.705 | 6.722 | VV | 175 | 1420 | 0.02% | 0.006% |
| 62 | 6.746 | 6.722 | 6.809 | VV | 2090 | 28469 | 0.41% | 0.129% |
| 63 | 6.834 | 6.809 | 6.853 | VV | 376 | 5379 | 0.08% | 0.024% |
| 64 | 6.865 | 6.853 | 6.883 | VV | 385 | 4375 | 0.06% | 0.020% |
| 65 | 6.900 | 6.883 | 6.921 | VV | 750 | 9368 | 0.13% | 0.043% |
| 66 | 6.934 | 6.921 | 6.956 | VV | 349 | 3739 | 0.05% | 0.017% |
| 67 | 6.976 | 6.956 | 7.005 | VV | 542 | 7022 | 0.10% | 0.032% |
| 68 | 7.029 | 7.005 | 7.061 | VV | 273 | 3385 | 0.05% | 0.015% |
| 69 | 7.089 | 7.070 | 7.111 | VV | 206 | 2394 | 0.03% | 0.011% |
| 70 | 7.155 | 7.111 | 7.180 | PV | 236 | 3750 | 0.05% | 0.017% |
| 71 | 7.200 | 7.180 | 7.239 | PV | 355 | 6513 | 0.09% | 0.030% |
| 72 | 7.260 | 7.239 | 7.273 | VV | 635 | 8249 | 0.12% | 0.038% |
| 73 | 7.278 | 7.273 | 7.297 | VV | 524 | 5572 | 0.08% | 0.025% |
| 74 | 7.319 | 7.297 | 7.349 | VV | 713 | 12660 | 0.18% | 0.058% |
| 75 | 7.368 | 7.349 | 7.379 | VV | 711 | 9167 | 0.13% | 0.042% |
| 76 | 7.386 | 7.379 | 7.410 | VV | 745 | 8805 | 0.13% | 0.040% |
| 77 | 7.427 | 7.410 | 7.446 | VV | 594 | 7591 | 0.11% | 0.035% |
| 78 | 7.467 | 7.446 | 7.492 | VV | 205 | 3870 | 0.06% | 0.018% |
| 79 | 7.498 | 7.492 | 7.511 | VV | 225 | 1471 | 0.02% | 0.007% |
| 80 | 7.528 | 7.511 | 7.536 | VV | 236 | 2349 | 0.03% | 0.011% |
| 81 | 7.553 | 7.536 | 7.596 | VV | 1131 | 15390 | 0.22% | 0.070% |
| 82 | 7.613 | 7.596 | 7.624 | VV | 350 | 3681 | 0.05% | 0.017% |
| 83 | 7.628 | 7.624 | 7.646 | VV | 272 | 2518 | 0.04% | 0.011% |
| 84 | 7.663 | 7.646 | 7.679 | VV | 332 | 3910 | 0.06% | 0.018% |
| 85 | 7.699 | 7.679 | 7.742 | VV | 417 | 8330 | 0.12% | 0.038% |
| 86 | 7.766 | 7.742 | 7.809 | VV | 363 | 7670 | 0.11% | 0.035% |
| 87 | 7.815 | 7.809 | 7.891 | VV | 143 | 3555 | 0.05% | 0.016% |
| 88 | 7.933 | 7.911 | 7.945 | VV | 201 | 2613 | 0.04% | 0.012% |
| 89 | 7.963 | 7.945 | 7.979 | VV | 380 | 4643 | 0.07% | 0.021% |

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|---|---|---|---|---|---|---|---|---|
| 90 | 8.011 | 7.979 | 8.256 | VV | 615078 | 6448564 | 92.17% | 29.318% |
| 91 | 8.270 | 8.256 | 8.300 | VV | 1024 | 22588 | 0.32% | 0.103% |
| 92 | 8.330 | 8.300 | 8.344 | VV | 931 | 20385 | 0.29% | 0.093% |
| 93 | 8.349 | 8.344 | 8.377 | VV | 634 | 11481 | 0.16% | 0.052% |
| 94 | 8.383 | 8.377 | 8.386 | VV | 574 | 2699 | 0.04% | 0.012% |
| 95 | 8.389 | 8.386 | 8.444 | VV | 575 | 16321 | 0.23% | 0.074% |
| 96 | 8.446 | 8.444 | 8.462 | VV | 463 | 4504 | 0.06% | 0.020% |
| 97 | 8.482 | 8.462 | 8.544 | VV | 771 | 24179 | 0.35% | 0.110% |
| 98 | 8.579 | 8.544 | 8.606 | VV | 1798 | 29242 | 0.42% | 0.133% |
| 99 | 8.611 | 8.606 | 8.619 | VV | 382 | 2541 | 0.04% | 0.012% |
| 100 | 8.625 | 8.619 | 8.646 | VV | 366 | 4378 | 0.06% | 0.020% |
| 101 | 8.673 | 8.646 | 8.709 | VV | 425 | 12267 | 0.18% | 0.056% |
| 102 | 8.716 | 8.709 | 8.721 | VV | 379 | 2307 | 0.03% | 0.010% |
| 103 | 8.724 | 8.721 | 8.756 | VV | 399 | 5923 | 0.08% | 0.027% |
| 104 | 8.772 | 8.756 | 8.794 | VV | 301 | 5110 | 0.07% | 0.023% |
| 105 | 8.816 | 8.794 | 8.835 | VV | 386 | 5728 | 0.08% | 0.026% |
| 106 | 8.841 | 8.835 | 8.854 | VV | 177 | 1264 | 0.02% | 0.006% |
| 107 | 8.887 | 8.854 | 9.160 | VV | 359247 | 4393849 | 62.80% | 19.977% |
| 108 | 9.165 | 9.160 | 9.170 | VV | 989 | 5588 | 0.08% | 0.025% |
| 109 | 9.178 | 9.170 | 9.216 | VV | 1029 | 24436 | 0.35% | 0.111% |
| 110 | 9.232 | 9.216 | 9.261 | VV | 896 | 21024 | 0.30% | 0.096% |
| 111 | 9.264 | 9.261 | 9.277 | VV | 720 | 6514 | 0.09% | 0.030% |
| 112 | 9.308 | 9.277 | 9.335 | VV | 13187 | 149776 | 2.14% | 0.681% |
| 113 | 9.343 | 9.335 | 9.357 | VV | 949 | 11418 | 0.16% | 0.052% |
| 114 | 9.362 | 9.357 | 9.368 | VV | 816 | 5097 | 0.07% | 0.023% |
| 115 | 9.388 | 9.368 | 9.401 | VV | 978 | 16144 | 0.23% | 0.073% |
| 116 | 9.421 | 9.401 | 9.456 | VV | 1224 | 28202 | 0.40% | 0.128% |
| 117 | 9.469 | 9.456 | 9.478 | VV | 701 | 8058 | 0.12% | 0.037% |
| 118 | 9.481 | 9.478 | 9.489 | VV | 560 | 3439 | 0.05% | 0.016% |
| 119 | 9.493 | 9.489 | 9.531 | VV | 604 | 10865 | 0.16% | 0.049% |
| 120 | 9.549 | 9.531 | 9.564 | VV | 397 | 6956 | 0.10% | 0.032% |
| 121 | 9.566 | 9.564 | 9.576 | VV | 310 | 1986 | 0.03% | 0.009% |
| 122 | 9.593 | 9.576 | 9.612 | VV | 463 | 8020 | 0.11% | 0.036% |
| 123 | 9.629 | 9.612 | 9.672 | VV | 408 | 10545 | 0.15% | 0.048% |
| 124 | 9.689 | 9.672 | 9.696 | VV | 305 | 3419 | 0.05% | 0.016% |
| 125 | 9.708 | 9.696 | 9.726 | VV | 324 | 4681 | 0.07% | 0.021% |
| 126 | 9.738 | 9.726 | 9.747 | VV | 218 | 2075 | 0.03% | 0.009% |
| 127 | 9.774 | 9.747 | 9.812 | VV | 440 | 9458 | 0.14% | 0.043% |
| 128 | 9.838 | 9.812 | 9.844 | VV | 344 | 2892 | 0.04% | 0.013% |
| 129 | 9.854 | 9.844 | 9.885 | VV | 246 | 3828 | 0.05% | 0.017% |
| 130 | 9.910 | 9.897 | 9.949 | VV | 246 | 4350 | 0.06% | 0.020% |
| 131 | 9.966 | 9.949 | 9.999 | VV | 273 | 5157 | 0.07% | 0.023% |
| 132 | 10.023 | 9.999 | 10.046 | VV | 894 | 12019 | 0.17% | 0.055% |
| 133 | 10.071 | 10.046 | 10.099 | VV | 1483 | 30682 | 0.44% | 0.139% |
| 134 | 10.107 | 10.099 | 10.155 | VV | 1154 | 24714 | 0.35% | 0.112% |
| 135 | 10.159 | 10.155 | 10.168 | VV | 424 | 3036 | 0.04% | 0.014% |
| 136 | 10.189 | 10.168 | 10.237 | VV | 1257 | 22730 | 0.32% | 0.103% |
| 137 | 10.260 | 10.237 | 10.279 | VV | 343 | 6543 | 0.09% | 0.030% |
| 138 | 10.282 | 10.279 | 10.320 | VV | 254 | 3922 | 0.06% | 0.018% |
| 139 | 10.331 | 10.320 | 10.338 | VV | 179 | 1575 | 0.02% | 0.007% |
| 140 | 10.355 | 10.338 | 10.383 | VV | 221 | 3932 | 0.06% | 0.018% |
| 141 | 10.423 | 10.406 | 10.444 | VV | 134 | 1974 | 0.03% | 0.009% |

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|---|---|---|---|---|---|---|---|---|
| 142 | 10.459 | 10.444 | 10.471 | VV | 122 | 1190 | 0.02% | 0.005% |
| 143 | 10.490 | 10.478 | 10.496 | VV | 134 | 1031 | 0.01% | 0.005% |
| 144 | 10.506 | 10.496 | 10.537 | VV | 238 | 3503 | 0.05% | 0.016% |
| 145 | 10.554 | 10.537 | 10.569 | VV | 186 | 2278 | 0.03% | 0.010% |
| 146 | 10.586 | 10.569 | 10.601 | VV | 268 | 3500 | 0.05% | 0.016% |
| 147 | 10.619 | 10.601 | 10.642 | VV | 327 | 5290 | 0.08% | 0.024% |
| 148 | 10.650 | 10.642 | 10.659 | VV | 229 | 1759 | 0.03% | 0.008% |
| 149 | 10.665 | 10.659 | 10.691 | VV | 260 | 3597 | 0.05% | 0.016% |
| 150 | 10.710 | 10.691 | 10.730 | VV | 376 | 5512 | 0.08% | 0.025% |
| 151 | 10.750 | 10.730 | 10.771 | VV | 235 | 4589 | 0.07% | 0.021% |
| 152 | 10.814 | 10.771 | 10.845 | VV | 389 | 10675 | 0.15% | 0.049% |
| 153 | 10.930 | 10.845 | 10.972 | VV | 404 | 20990 | 0.30% | 0.095% |
| 154 | 10.984 | 10.972 | 11.009 | VV | 267 | 4027 | 0.06% | 0.018% |
| 155 | 11.053 | 11.009 | 11.099 | VV | 531 | 14836 | 0.21% | 0.067% |
| 156 | 11.112 | 11.099 | 11.129 | VV | 217 | 2400 | 0.03% | 0.011% |
| 157 | 11.151 | 11.129 | 11.167 | VV | 213 | 3195 | 0.05% | 0.015% |
| 158 | 11.189 | 11.167 | 11.229 | VV | 157 | 4246 | 0.06% | 0.019% |
| 159 | 11.258 | 11.229 | 11.284 | VV | 182 | 4318 | 0.06% | 0.020% |
| 160 | 11.323 | 11.284 | 11.337 | VV | 187 | 4254 | 0.06% | 0.019% |
| 161 | 11.354 | 11.337 | 11.390 | VV | 251 | 4515 | 0.06% | 0.021% |
| 162 | 11.400 | 11.390 | 11.422 | VV | 110 | 1839 | 0.03% | 0.008% |
| 163 | 11.436 | 11.422 | 11.481 | VV | 124 | 2495 | 0.04% | 0.011% |
| 164 | 11.565 | 11.521 | 11.599 | VV | 1139 | 16742 | 0.24% | 0.076% |
| 165 | 11.634 | 11.599 | 11.690 | VV | 1585 | 24727 | 0.35% | 0.112% |
| 166 | 11.713 | 11.690 | 11.762 | VV | 408 | 9211 | 0.13% | 0.042% |
| 167 | 11.790 | 11.762 | 11.814 | VV | 125 | 2218 | 0.03% | 0.010% |
| 168 | 11.829 | 11.814 | 11.856 | VV | 153 | 2039 | 0.03% | 0.009% |
| 169 | 11.954 | 11.898 | 12.080 | PV | 640023 | 6996396 | 100.00% | 31.809% |
| 170 | 12.116 | 12.080 | 12.179 | VV | 802 | 23558 | 0.34% | 0.107% |
| 171 | 12.237 | 12.179 | 12.247 | VV | 295 | 9428 | 0.13% | 0.043% |
| 172 | 12.297 | 12.247 | 12.334 | VV | 600 | 16793 | 0.24% | 0.076% |
| 173 | 12.359 | 12.334 | 12.378 | VV | 930 | 14269 | 0.20% | 0.065% |
| 174 | 12.397 | 12.378 | 12.426 | VV | 866 | 14776 | 0.21% | 0.067% |
| 175 | 12.437 | 12.426 | 12.492 | VV | 327 | 8154 | 0.12% | 0.037% |
| 176 | 12.527 | 12.492 | 12.548 | VV | 405 | 8387 | 0.12% | 0.038% |
| 177 | 12.579 | 12.548 | 12.617 | VV | 486 | 14333 | 0.20% | 0.065% |
| 178 | 12.628 | 12.617 | 12.640 | VV | 437 | 4495 | 0.06% | 0.020% |
| 179 | 12.658 | 12.640 | 12.707 | VV | 701 | 17072 | 0.24% | 0.078% |
| 180 | 12.730 | 12.707 | 12.759 | VV | 421 | 9223 | 0.13% | 0.042% |
| 181 | 12.806 | 12.759 | 12.844 | VV | 1023 | 20130 | 0.29% | 0.092% |
| 182 | 12.884 | 12.844 | 12.915 | VV | 1644 | 27633 | 0.39% | 0.126% |
| 183 | 12.946 | 12.915 | 12.984 | VV | 1917 | 28028 | 0.40% | 0.127% |
| 184 | 13.017 | 12.984 | 13.119 | VV | 3183 | 64223 | 0.92% | 0.292% |
| 185 | 13.151 | 13.119 | 13.182 | VV | 242 | 4716 | 0.07% | 0.021% |
| 186 | 13.230 | 13.182 | 13.294 | VV | 393 | 12646 | 0.18% | 0.057% |
| 187 | 13.393 | 13.294 | 13.546 | VV | 128605 | 1659797 | 23.72% | 7.546% |
| 188 | 13.562 | 13.546 | 13.594 | VV | 553 | 12389 | 0.18% | 0.056% |
| 189 | 13.618 | 13.594 | 13.719 | VV | 724 | 24786 | 0.35% | 0.113% |
| 190 | 13.780 | 13.719 | 13.802 | VV | 444 | 14823 | 0.21% | 0.067% |
| 191 | 13.831 | 13.802 | 13.874 | VV | 427 | 14865 | 0.21% | 0.068% |
| 192 | 13.887 | 13.874 | 13.931 | VV | 273 | 7091 | 0.10% | 0.032% |
| 193 | 13.991 | 13.931 | 14.004 | VV | 327 | 11110 | 0.16% | 0.051% |
| 194 | 14.014 | 14.004 | 14.049 | VV | 298 | 6050 | 0.09% | 0.028% |

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|---|---|---|---|---|---|---|---|---|
| 195 | 14.099 | 14.049 | 14.129 | VV | 1566 | 28620 | 0.41% | 0.130% |
| 196 | 14.148 | 14.129 | 14.244 | VV | 1637 | 30280 | 0.43% | 0.138% |
| 197 | 14.264 | 14.244 | 14.291 | VV | 248 | 4365 | 0.06% | 0.020% |
| 198 | 14.299 | 14.291 | 14.318 | VV | 96 | 1059 | 0.02% | 0.005% |
| 199 | 14.384 | 14.318 | 14.406 | PV | 212 | 5040 | 0.07% | 0.023% |
| 200 | 14.413 | 14.406 | 14.429 | VV | 92 | 1085 | 0.02% | 0.005% |
| 201 | 14.446 | 14.429 | 14.467 | VV | 137 | 1746 | 0.02% | 0.008% |
| 202 | 14.484 | 14.467 | 14.494 | VV | 190 | 1673 | 0.02% | 0.008% |
| 203 | 14.502 | 14.494 | 14.527 | VV | 105 | 1895 | 0.03% | 0.009% |
| 204 | 14.591 | 14.527 | 14.682 | VV | 844 | 23421 | 0.33% | 0.106% |
| 205 | 14.715 | 14.682 | 14.733 | VV | 285 | 4891 | 0.07% | 0.022% |
| 206 | 14.793 | 14.733 | 14.944 | VV | 1247 | 63841 | 0.91% | 0.290% |
| 207 | 14.950 | 14.944 | 15.014 | VV | 290 | 8707 | 0.12% | 0.040% |
| 208 | 15.032 | 15.014 | 15.059 | VV | 264 | 5222 | 0.07% | 0.024% |
| 209 | 15.096 | 15.059 | 15.132 | VV | 346 | 8614 | 0.12% | 0.039% |
| 210 | 15.158 | 15.132 | 15.184 | VV | 287 | 5469 | 0.08% | 0.025% |
| 211 | 15.214 | 15.184 | 15.236 | VV | 1063 | 19968 | 0.29% | 0.091% |
| 212 | 15.256 | 15.236 | 15.284 | VV | 1378 | 22906 | 0.33% | 0.104% |
| 213 | 15.304 | 15.284 | 15.347 | VV | 574 | 11807 | 0.17% | 0.054% |
| 214 | 15.355 | 15.347 | 15.367 | VV | 176 | 1866 | 0.03% | 0.008% |
| 215 | 15.376 | 15.367 | 15.403 | VV | 250 | 3223 | 0.05% | 0.015% |
| 216 | 15.430 | 15.403 | 15.456 | VV | 285 | 5139 | 0.07% | 0.023% |
| 217 | 15.476 | 15.456 | 15.517 | VV | 539 | 7151 | 0.10% | 0.033% |
| 218 | 15.557 | 15.541 | 15.573 | VV | 122 | 1266 | 0.02% | 0.006% |
| 219 | 15.626 | 15.573 | 15.641 | VV | 184 | 3400 | 0.05% | 0.015% |
| 220 | 15.675 | 15.641 | 15.714 | VV | 195 | 5667 | 0.08% | 0.026% |
| 221 | 15.795 | 15.714 | 15.877 | VV | 6238 | 96802 | 1.38% | 0.440% |
| 222 | 15.909 | 15.877 | 15.972 | VV | 326 | 8260 | 0.12% | 0.038% |
| 223 | 15.993 | 15.972 | 16.037 | VV | 168 | 3935 | 0.06% | 0.018% |
| 224 | 16.042 | 16.037 | 16.071 | VV | 153 | 2221 | 0.03% | 0.010% |
| 225 | 16.079 | 16.071 | 16.117 | VV | 175 | 3563 | 0.05% | 0.016% |
| 226 | 16.136 | 16.117 | 16.196 | VV | 200 | 4697 | 0.07% | 0.021% |
| 227 | 16.240 | 16.196 | 16.262 | PV | 660 | 11373 | 0.16% | 0.052% |
| 228 | 16.280 | 16.262 | 16.312 | VV | 1167 | 18030 | 0.26% | 0.082% |
| 229 | 16.344 | 16.312 | 16.394 | VV | 252 | 5722 | 0.08% | 0.026% |
| 230 | 16.425 | 16.394 | 16.490 | VV | 186 | 5851 | 0.08% | 0.027% |
| 231 | 16.499 | 16.490 | 16.517 | PV | 130 | 1004 | 0.01% | 0.005% |
| 232 | 16.567 | 16.517 | 16.586 | PV | 135 | 3226 | 0.05% | 0.015% |
| 233 | 16.602 | 16.586 | 16.626 | VV | 119 | 1916 | 0.03% | 0.009% |
| 234 | 16.633 | 16.626 | 16.656 | VV | 138 | 1252 | 0.02% | 0.006% |
| 235 | 16.678 | 16.656 | 16.707 | VV | 170 | 2914 | 0.04% | 0.013% |
| 236 | 16.766 | 16.707 | 16.817 | VV | 776 | 16087 | 0.23% | 0.073% |
| 237 | 16.848 | 16.817 | 16.899 | VV | 1272 | 21792 | 0.31% | 0.099% |
| 238 | 16.916 | 16.899 | 16.991 | VV | 221 | 6144 | 0.09% | 0.028% |
| 239 | 17.033 | 17.005 | 17.064 | VV | 155 | 2588 | 0.04% | 0.012% |
| 240 | 17.129 | 17.096 | 17.172 | PV | 199 | 4194 | 0.06% | 0.019% |
| 241 | 17.234 | 17.172 | 17.262 | VV | 1873 | 39526 | 0.56% | 0.180% |
| 242 | 17.283 | 17.262 | 17.297 | VV | 451 | 6885 | 0.10% | 0.031% |
| 243 | 17.309 | 17.297 | 17.381 | VV | 365 | 8681 | 0.12% | 0.039% |
| 244 | 17.423 | 17.381 | 17.452 | VV | 115 | 3068 | 0.04% | 0.014% |
| 245 | 17.472 | 17.452 | 17.499 | VV | 108 | 1530 | 0.02% | 0.007% |
| 246 | 17.567 | 17.499 | 17.592 | PV | 308 | 8008 | 0.11% | 0.036% |

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|---|---|---|---|---|---|---|---|---|
| 247 | 17.601 | 17.592 | 17.612 | VV | 164 | 1678 | 0.02% | 0.008% |
| 248 | 17.687 | 17.612 | 17.744 | VV | 2287 | 39699 | 0.57% | 0.180% |
| 249 | 17.790 | 17.744 | 17.831 | VV | 235 | 7525 | 0.11% | 0.034% |
| 250 | 17.863 | 17.831 | 17.870 | VV | 120 | 1736 | 0.02% | 0.008% |
| 251 | 17.916 | 17.870 | 17.941 | VV | 209 | 4606 | 0.07% | 0.021% |
| 252 | 17.960 | 17.941 | 17.992 | VV | 149 | 2983 | 0.04% | 0.014% |
| 253 | 18.011 | 17.992 | 18.029 | VV | 95 | 1095 | 0.02% | 0.005% |
| 254 | 18.125 | 18.029 | 18.173 | PV | 2967 | 51696 | 0.74% | 0.235% |
| 255 | 18.219 | 18.173 | 18.248 | VV | 590 | 13690 | 0.20% | 0.062% |
| 256 | 18.302 | 18.248 | 18.324 | VV | 204 | 6357 | 0.09% | 0.029% |
| 257 | 18.352 | 18.324 | 18.384 | VV | 160 | 3755 | 0.05% | 0.017% |
| 258 | 18.405 | 18.384 | 18.425 | VV | 265 | 3683 | 0.05% | 0.017% |
| 259 | 18.445 | 18.425 | 18.467 | PV | 281 | 3833 | 0.05% | 0.017% |
| 260 | 18.502 | 18.467 | 18.519 | VV | 359 | 7026 | 0.10% | 0.032% |
| 261 | 18.551 | 18.519 | 18.592 | VV | 3308 | 56578 | 0.81% | 0.257% |
| 262 | 18.646 | 18.592 | 18.655 | VV | 363 | 8859 | 0.13% | 0.040% |
| 263 | 18.673 | 18.655 | 18.715 | VV | 413 | 7800 | 0.11% | 0.035% |
| 264 | 18.819 | 18.715 | 18.851 | PBA | 204 | 9162 | 0.13% | 0.042% |

Sum of corrected areas: 21994899

Aromatic EPH 102925.M Tue Nov 18 01:16:13 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
Data File : FG016958.D
Signal(s) : FID1A.ch
Acq On : 20 Nov 2025 13:13
Operator : YP\AJ
Sample : Q3586-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
SED-3

Integration File: autoint1.e
Quant Time: Nov 20 23:49:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 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 | | | |
| 12) S 1-chlorooctadecane (S... | 13.483 | 8310854 | 69.008 ug/ml |
| Spiked Amount 50.000 | | Recovery = 138.02% | |
| Target Compounds | | | |

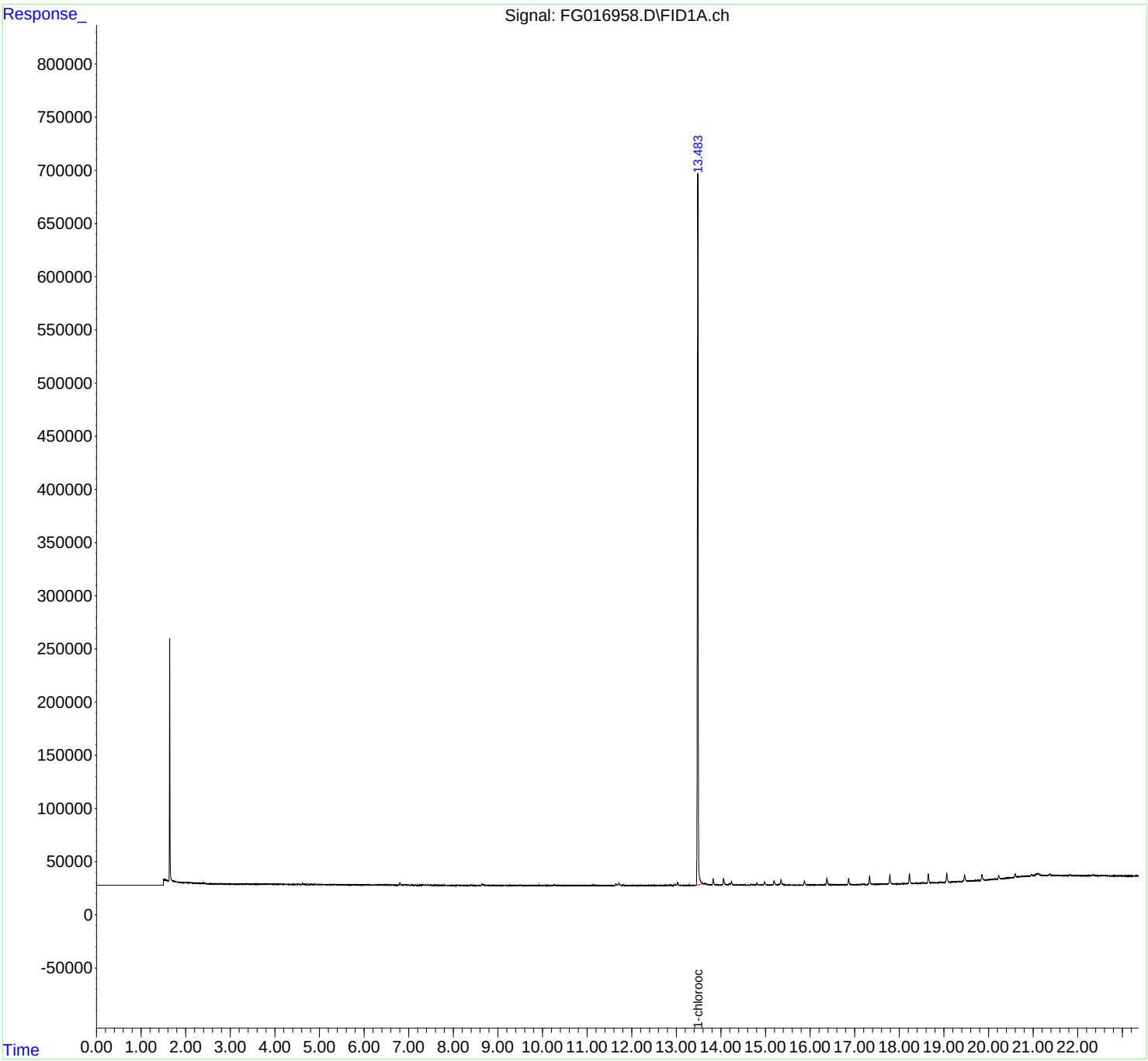
(f)=RT Delta > 1/2 Window (m)=manual int.

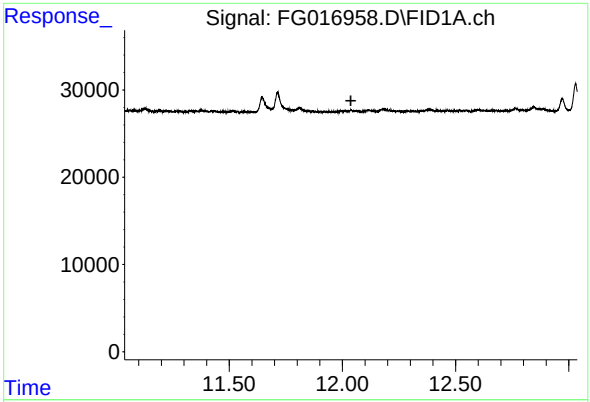
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
Data File : FG016958.D
Signal(s) : FID1A.ch
Acq On : 20 Nov 2025 13:13
Operator : YP\AJ
Sample : Q3586-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
SED-3

Integration File: autoint1.e
Quant Time: Nov 20 23:49:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

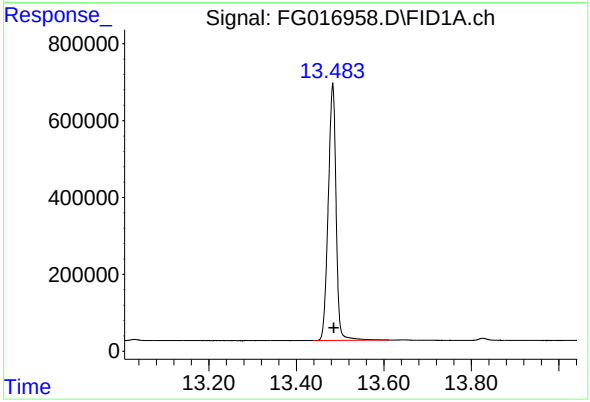





#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.038 min
Response: 0
Conc: N.D.

**Instrument :**
FID_G
**ClientSampleId :**
SED-3




#12 1-chlorooctadecane (SURR)

R.T.: 13.483 min
Delta R.T.: -0.002 min
Response: 8310854
Conc: 69.01 ug/ml

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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
Data File : FG016958.D
Signal(s) : FID1A.ch
Acq On : 20 Nov 2025 13:13
Sample : Q3586-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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 | 3.251 | 3.221 | 3.261 | BV | 60 | 597 | 0.01% | 0.004% |
| 2 | 3.269 | 3.261 | 3.311 | PV | 82 | 1405 | 0.02% | 0.009% |
| 3 | 3.359 | 3.311 | 3.400 | VV | 405 | 7816 | 0.09% | 0.052% |
| 4 | 3.411 | 3.400 | 3.437 | VV | 129 | 1939 | 0.02% | 0.013% |
| 5 | 3.478 | 3.437 | 3.501 | VV | 151 | 4186 | 0.05% | 0.028% |
| 6 | 3.509 | 3.501 | 3.584 | VV | 151 | 6620 | 0.08% | 0.044% |
| 7 | 3.599 | 3.584 | 3.609 | VV | 177 | 2124 | 0.03% | 0.014% |
| 8 | 3.627 | 3.609 | 3.662 | VV | 202 | 4844 | 0.06% | 0.032% |
| 9 | 3.679 | 3.662 | 3.728 | VV | 182 | 5872 | 0.07% | 0.039% |
| 10 | 3.740 | 3.728 | 3.795 | VV | 177 | 5397 | 0.06% | 0.036% |
| 11 | 3.804 | 3.795 | 3.878 | VV | 187 | 7923 | 0.09% | 0.053% |
| 12 | 3.890 | 3.878 | 3.941 | VV | 200 | 5385 | 0.06% | 0.036% |
| 13 | 3.971 | 3.941 | 4.014 | VV | 203 | 5899 | 0.07% | 0.039% |
| 14 | 4.023 | 4.014 | 4.035 | VV | 146 | 1500 | 0.02% | 0.010% |
| 15 | 4.045 | 4.035 | 4.055 | VV | 163 | 1591 | 0.02% | 0.011% |
| 16 | 4.068 | 4.055 | 4.108 | VV | 181 | 3631 | 0.04% | 0.024% |
| 17 | 4.115 | 4.108 | 4.135 | VV | 153 | 2103 | 0.02% | 0.014% |
| 18 | 4.156 | 4.135 | 4.173 | VV | 257 | 3911 | 0.05% | 0.026% |
| 19 | 4.192 | 4.173 | 4.211 | VV | 324 | 4301 | 0.05% | 0.029% |
| 20 | 4.222 | 4.211 | 4.249 | VV | 138 | 2662 | 0.03% | 0.018% |
| 21 | 4.268 | 4.249 | 4.282 | VV | 255 | 3650 | 0.04% | 0.024% |
| 22 | 4.291 | 4.282 | 4.328 | VV | 168 | 3347 | 0.04% | 0.022% |
| 23 | 4.360 | 4.328 | 4.379 | VV | 262 | 5059 | 0.06% | 0.034% |
| 24 | 4.387 | 4.379 | 4.415 | VV | 192 | 2505 | 0.03% | 0.017% |
| 25 | 4.434 | 4.415 | 4.445 | VV | 175 | 2387 | 0.03% | 0.016% |
| 26 | 4.472 | 4.445 | 4.515 | VV | 210 | 6714 | 0.08% | 0.045% |
| 27 | 4.529 | 4.515 | 4.553 | VV | 460 | 6631 | 0.08% | 0.044% |
| 28 | 4.562 | 4.553 | 4.591 | VV | 204 | 2914 | 0.03% | 0.019% |
| 29 | 4.621 | 4.591 | 4.645 | VV | 944 | 13282 | 0.16% | 0.089% |
| 30 | 4.657 | 4.645 | 4.711 | VV | 307 | 8305 | 0.10% | 0.056% |
| 31 | 4.737 | 4.711 | 4.776 | VV | 277 | 7063 | 0.08% | 0.047% |

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|---|---|---|---|---|---|---|---|---|
| 32 | 4.805 | 4.776 | 4.851 | VV | 370 | 8372 | 0.10% | 0.056% |
| 33 | 4.870 | 4.851 | 4.891 | VV | 265 | 4284 | 0.05% | 0.029% |
| 34 | 4.904 | 4.891 | 4.930 | VV | 447 | 5905 | 0.07% | 0.039% |
| 35 | 4.950 | 4.930 | 5.015 | VV | 194 | 7635 | 0.09% | 0.051% |
| 36 | 5.026 | 5.015 | 5.070 | VV | 206 | 6123 | 0.07% | 0.041% |
| 37 | 5.080 | 5.070 | 5.104 | VV | 220 | 3460 | 0.04% | 0.023% |
| 38 | 5.114 | 5.104 | 5.153 | VV | 206 | 4232 | 0.05% | 0.028% |
| 39 | 5.162 | 5.153 | 5.205 | VV | 119 | 3131 | 0.04% | 0.021% |
| 40 | 5.211 | 5.205 | 5.221 | VV | 110 | 1042 | 0.01% | 0.007% |
| 41 | 5.236 | 5.221 | 5.255 | VV | 150 | 2519 | 0.03% | 0.017% |
| 42 | 5.265 | 5.255 | 5.278 | VV | 164 | 2005 | 0.02% | 0.013% |
| 43 | 5.324 | 5.278 | 5.363 | VV | 833 | 15384 | 0.18% | 0.103% |
| 44 | 5.381 | 5.363 | 5.411 | VV | 321 | 5964 | 0.07% | 0.040% |
| 45 | 5.420 | 5.411 | 5.427 | VV | 93 | 1017 | 0.01% | 0.007% |
| 46 | 5.443 | 5.427 | 5.486 | VV | 300 | 4594 | 0.05% | 0.031% |
| 47 | 5.535 | 5.486 | 5.623 | VV | 150 | 6402 | 0.08% | 0.043% |
| 48 | 5.638 | 5.623 | 5.673 | VV | 110 | 2139 | 0.03% | 0.014% |
| 49 | 5.703 | 5.673 | 5.712 | VV | 118 | 1578 | 0.02% | 0.011% |
| 50 | 5.725 | 5.712 | 5.745 | VV | 92 | 1373 | 0.02% | 0.009% |
| 51 | 5.764 | 5.745 | 5.784 | VV | 232 | 3895 | 0.05% | 0.026% |
| 52 | 5.806 | 5.784 | 5.827 | VV | 343 | 5152 | 0.06% | 0.034% |
| 53 | 5.843 | 5.827 | 5.855 | VV | 121 | 1628 | 0.02% | 0.011% |
| 54 | 5.862 | 5.855 | 5.879 | VV | 143 | 1742 | 0.02% | 0.012% |
| 55 | 5.891 | 5.879 | 5.903 | VV | 131 | 1409 | 0.02% | 0.009% |
| 56 | 5.939 | 5.903 | 5.954 | VV | 170 | 3691 | 0.04% | 0.025% |
| 57 | 5.967 | 5.954 | 5.988 | VV | 209 | 2800 | 0.03% | 0.019% |
| 58 | 6.028 | 5.988 | 6.055 | VV | 212 | 5908 | 0.07% | 0.039% |
| 59 | 6.076 | 6.055 | 6.110 | VV | 219 | 5076 | 0.06% | 0.034% |
| 60 | 6.133 | 6.110 | 6.173 | VV | 217 | 5555 | 0.07% | 0.037% |
| 61 | 6.201 | 6.173 | 6.220 | VV | 171 | 3021 | 0.04% | 0.020% |
| 62 | 6.244 | 6.220 | 6.281 | PV | 212 | 3483 | 0.04% | 0.023% |
| 63 | 6.302 | 6.281 | 6.318 | VV | 163 | 2568 | 0.03% | 0.017% |
| 64 | 6.359 | 6.318 | 6.381 | VV | 332 | 6977 | 0.08% | 0.047% |
| 65 | 6.399 | 6.381 | 6.423 | VV | 377 | 5261 | 0.06% | 0.035% |
| 66 | 6.443 | 6.423 | 6.487 | VV | 530 | 9574 | 0.11% | 0.064% |
| 67 | 6.508 | 6.487 | 6.554 | VV | 673 | 10252 | 0.12% | 0.069% |
| 68 | 6.577 | 6.554 | 6.616 | VV | 168 | 4212 | 0.05% | 0.028% |
| 69 | 6.630 | 6.616 | 6.681 | VV | 90 | 2089 | 0.02% | 0.014% |
| 70 | 6.688 | 6.681 | 6.714 | VV | 56 | 912 | 0.01% | 0.006% |
| 71 | 6.723 | 6.714 | 6.757 | PV | 78 | 853 | 0.01% | 0.006% |
| 72 | 6.802 | 6.757 | 6.864 | VV | 2527 | 38939 | 0.46% | 0.260% |
| 73 | 6.884 | 6.864 | 6.907 | VV | 253 | 5036 | 0.06% | 0.034% |
| 74 | 6.925 | 6.907 | 6.935 | VV | 256 | 3049 | 0.04% | 0.020% |
| 75 | 6.955 | 6.935 | 6.978 | VV | 436 | 7010 | 0.08% | 0.047% |
| 76 | 6.992 | 6.978 | 7.008 | VV | 186 | 2946 | 0.04% | 0.020% |
| 77 | 7.028 | 7.008 | 7.071 | VV | 275 | 6108 | 0.07% | 0.041% |
| 78 | 7.089 | 7.071 | 7.128 | VV | 191 | 3705 | 0.04% | 0.025% |
| 79 | 7.142 | 7.128 | 7.164 | VV | 138 | 1949 | 0.02% | 0.013% |

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|---|---|---|---|---|---|---|---|---|
| 80 | 7.196 | 7.164 | 7.241 | PV | 130 | 4268 | 0.05% | 0.029% |
| 81 | 7.257 | 7.241 | 7.301 | VV | 217 | 5062 | 0.06% | 0.034% |
| 82 | 7.318 | 7.301 | 7.350 | VV | 343 | 7956 | 0.09% | 0.053% |
| 83 | 7.379 | 7.350 | 7.402 | VV | 335 | 7764 | 0.09% | 0.052% |
| 84 | 7.429 | 7.402 | 7.463 | VV | 396 | 9286 | 0.11% | 0.062% |
| 85 | 7.483 | 7.463 | 7.511 | VV | 331 | 5247 | 0.06% | 0.035% |
| 86 | 7.525 | 7.511 | 7.578 | VV | 162 | 4933 | 0.06% | 0.033% |
| 87 | 7.607 | 7.578 | 7.641 | VV | 544 | 9357 | 0.11% | 0.063% |
| 88 | 7.657 | 7.641 | 7.667 | VV | 126 | 1751 | 0.02% | 0.012% |
| 89 | 7.687 | 7.667 | 7.701 | VV | 154 | 2286 | 0.03% | 0.015% |
| 90 | 7.757 | 7.701 | 7.889 | VV | 185 | 11810 | 0.14% | 0.079% |
| 91 | 7.898 | 7.889 | 7.968 | PV | 86 | 2185 | 0.03% | 0.015% |
| 92 | 7.974 | 7.968 | 7.988 | VV | 62 | 375 | 0.00% | 0.003% |
| 93 | 8.021 | 7.988 | 8.077 | VV | 209 | 4606 | 0.05% | 0.031% |
| 94 | 8.090 | 8.077 | 8.107 | VV | 203 | 2257 | 0.03% | 0.015% |
| 95 | 8.120 | 8.107 | 8.142 | VV | 161 | 2419 | 0.03% | 0.016% |
| 96 | 8.184 | 8.142 | 8.229 | VV | 171 | 4868 | 0.06% | 0.033% |
| 97 | 8.245 | 8.229 | 8.264 | VV | 75 | 1214 | 0.01% | 0.008% |
| 98 | 8.286 | 8.264 | 8.301 | VV | 104 | 1158 | 0.01% | 0.008% |
| 99 | 8.339 | 8.301 | 8.358 | PV | 150 | 2702 | 0.03% | 0.018% |
| 100 | 8.389 | 8.358 | 8.491 | VV | 681 | 13042 | 0.15% | 0.087% |
| 101 | 8.552 | 8.491 | 8.601 | PV | 200 | 6748 | 0.08% | 0.045% |
| 102 | 8.644 | 8.601 | 8.715 | VV | 1496 | 35773 | 0.42% | 0.239% |
| 103 | 8.755 | 8.715 | 8.813 | VV | 323 | 14692 | 0.17% | 0.098% |
| 104 | 8.831 | 8.813 | 8.865 | VV | 161 | 3477 | 0.04% | 0.023% |
| 105 | 8.873 | 8.865 | 8.904 | VV | 152 | 2266 | 0.03% | 0.015% |
| 106 | 8.977 | 8.904 | 9.032 | PV | 138 | 5753 | 0.07% | 0.038% |
| 107 | 9.045 | 9.032 | 9.083 | VV | 120 | 3006 | 0.04% | 0.020% |
| 108 | 9.100 | 9.083 | 9.116 | VV | 145 | 2277 | 0.03% | 0.015% |
| 109 | 9.143 | 9.116 | 9.175 | VV | 227 | 5878 | 0.07% | 0.039% |
| 110 | 9.188 | 9.175 | 9.232 | VV | 232 | 4867 | 0.06% | 0.033% |
| 111 | 9.264 | 9.232 | 9.283 | VV | 108 | 1999 | 0.02% | 0.013% |
| 112 | 9.307 | 9.283 | 9.325 | VV | 160 | 2357 | 0.03% | 0.016% |
| 113 | 9.373 | 9.325 | 9.460 | VV | 430 | 17033 | 0.20% | 0.114% |
| 114 | 9.487 | 9.460 | 9.541 | VV | 531 | 11353 | 0.13% | 0.076% |
| 115 | 9.564 | 9.541 | 9.601 | VV | 164 | 2791 | 0.03% | 0.019% |
| 116 | 9.608 | 9.601 | 9.621 | VV | 117 | 827 | 0.01% | 0.006% |
| 117 | 9.661 | 9.621 | 9.691 | VV | 165 | 4500 | 0.05% | 0.030% |
| 118 | 9.727 | 9.691 | 9.756 | VV | 183 | 4835 | 0.06% | 0.032% |
| 119 | 9.774 | 9.756 | 9.819 | VV | 208 | 3759 | 0.04% | 0.025% |
| 120 | 9.844 | 9.819 | 9.888 | PV | 236 | 4669 | 0.06% | 0.031% |
| 121 | 9.913 | 9.888 | 9.940 | VV | 121 | 2802 | 0.03% | 0.019% |
| 122 | 9.948 | 9.940 | 9.964 | VV | 45 | 609 | 0.01% | 0.004% |
| 123 | 9.992 | 9.964 | 10.014 | VV | 219 | 3696 | 0.04% | 0.025% |
| 124 | 10.040 | 10.014 | 10.084 | VV | 549 | 9374 | 0.11% | 0.063% |
| 125 | 10.098 | 10.084 | 10.132 | VV | 132 | 2717 | 0.03% | 0.018% |
| 126 | 10.140 | 10.132 | 10.161 | VV | 69 | 1049 | 0.01% | 0.007% |

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|---|---|---|---|---|---|---|---|---|
| 127 | 10.191 | 10.161 | 10.231 | VV | 237 | 5835 | 0.07% | 0.039% |
| 128 | 10.265 | 10.231 | 10.349 | VV | 874 | 23083 | 0.27% | 0.154% |
| 129 | 10.359 | 10.349 | 10.416 | VV | 168 | 4404 | 0.05% | 0.029% |
| 130 | 10.441 | 10.416 | 10.458 | VV | 139 | 1979 | 0.02% | 0.013% |
| 131 | 10.487 | 10.458 | 10.529 | VV | 207 | 4125 | 0.05% | 0.028% |
| 132 | 10.550 | 10.529 | 10.561 | VV | 94 | 1174 | 0.01% | 0.008% |
| 133 | 10.578 | 10.561 | 10.631 | VV | 109 | 2976 | 0.04% | 0.020% |
| 134 | 10.652 | 10.631 | 10.671 | VV | 208 | 3323 | 0.04% | 0.022% |
| 135 | 10.685 | 10.671 | 10.731 | VV | 155 | 3801 | 0.05% | 0.025% |
| 136 | 10.745 | 10.731 | 10.765 | VV | 159 | 2206 | 0.03% | 0.015% |
| 137 | 10.773 | 10.765 | 10.800 | VV | 105 | 1664 | 0.02% | 0.011% |
| 138 | 10.810 | 10.800 | 10.881 | VV | 131 | 4786 | 0.06% | 0.032% |
| 139 | 10.951 | 10.881 | 10.971 | VV | 232 | 7442 | 0.09% | 0.050% |
| 140 | 10.981 | 10.971 | 10.992 | VV | 253 | 2667 | 0.03% | 0.018% |
| 141 | 11.007 | 10.992 | 11.036 | VV | 335 | 6092 | 0.07% | 0.041% |
| 142 | 11.072 | 11.036 | 11.096 | VV | 207 | 6149 | 0.07% | 0.041% |
| 143 | 11.129 | 11.096 | 11.180 | VV | 404 | 11108 | 0.13% | 0.074% |
| 144 | 11.190 | 11.180 | 11.209 | VV | 203 | 2683 | 0.03% | 0.018% |
| 145 | 11.225 | 11.209 | 11.261 | VV | 174 | 3333 | 0.04% | 0.022% |
| 146 | 11.269 | 11.261 | 11.293 | VV | 134 | 1922 | 0.02% | 0.013% |
| 147 | 11.306 | 11.293 | 11.314 | VV | 98 | 1151 | 0.01% | 0.008% |
| 148 | 11.327 | 11.314 | 11.344 | VV | 179 | 2283 | 0.03% | 0.015% |
| 149 | 11.354 | 11.344 | 11.363 | VV | 136 | 1390 | 0.02% | 0.009% |
| 150 | 11.380 | 11.363 | 11.412 | VV | 201 | 4602 | 0.05% | 0.031% |
| 151 | 11.424 | 11.412 | 11.458 | VV | 174 | 2871 | 0.03% | 0.019% |
| 152 | 11.472 | 11.458 | 11.498 | VV | 104 | 1731 | 0.02% | 0.012% |
| 153 | 11.517 | 11.498 | 11.546 | VV | 154 | 2575 | 0.03% | 0.017% |
| 154 | 11.645 | 11.546 | 11.687 | PV | 1770 | 34646 | 0.41% | 0.232% |
| 155 | 11.714 | 11.687 | 11.784 | VV | 2259 | 46480 | 0.55% | 0.311% |
| 156 | 11.810 | 11.784 | 11.909 | VV | 480 | 14110 | 0.17% | 0.094% |
| 157 | 11.923 | 11.909 | 11.967 | VV | 82 | 1702 | 0.02% | 0.011% |
| 158 | 12.016 | 11.967 | 12.024 | VV | 121 | 3241 | 0.04% | 0.022% |
| 159 | 12.037 | 12.024 | 12.049 | VV | 179 | 2241 | 0.03% | 0.015% |
| 160 | 12.055 | 12.049 | 12.083 | VV | 133 | 2052 | 0.02% | 0.014% |
| 161 | 12.113 | 12.083 | 12.149 | VV | 204 | 5362 | 0.06% | 0.036% |
| 162 | 12.179 | 12.149 | 12.259 | VV | 375 | 11039 | 0.13% | 0.074% |
| 163 | 12.311 | 12.259 | 12.340 | PV | 121 | 3776 | 0.04% | 0.025% |
| 164 | 12.386 | 12.340 | 12.411 | VV | 283 | 7615 | 0.09% | 0.051% |
| 165 | 12.421 | 12.411 | 12.451 | VV | 211 | 3470 | 0.04% | 0.023% |
| 166 | 12.466 | 12.451 | 12.499 | VV | 172 | 3504 | 0.04% | 0.023% |
| 167 | 12.519 | 12.499 | 12.529 | VV | 177 | 2408 | 0.03% | 0.016% |
| 168 | 12.545 | 12.529 | 12.567 | VV | 165 | 2666 | 0.03% | 0.018% |
| 169 | 12.606 | 12.567 | 12.662 | VV | 253 | 8409 | 0.10% | 0.056% |
| 170 | 12.677 | 12.662 | 12.701 | VV | 140 | 2687 | 0.03% | 0.018% |
| 171 | 12.725 | 12.701 | 12.736 | VV | 140 | 2293 | 0.03% | 0.015% |
| 172 | 12.765 | 12.736 | 12.810 | VV | 358 | 9387 | 0.11% | 0.063% |
| 173 | 12.846 | 12.810 | 12.875 | VV | 536 | 12011 | 0.14% | 0.080% |
| 174 | 12.888 | 12.875 | 12.938 | VV | 333 | 6520 | 0.08% | 0.044% |

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|---|---|---|---|---|---|---|---|---|
| 175 | 12.971 | 12.938 | 13.001 | PV | 1459 | 21616 | 0.26% | 0.145% |
| 176 | 13.030 | 13.001 | 13.085 | VV | 3190 | 48548 | 0.58% | 0.325% |
| 177 | 13.091 | 13.085 | 13.113 | VV | 217 | 2926 | 0.03% | 0.020% |
| 178 | 13.151 | 13.113 | 13.195 | VV | 421 | 9745 | 0.12% | 0.065% |
| 179 | 13.222 | 13.195 | 13.235 | VV | 115 | 1873 | 0.02% | 0.013% |
| 180 | 13.240 | 13.235 | 13.273 | VV | 114 | 1461 | 0.02% | 0.010% |
| 181 | 13.285 | 13.273 | 13.333 | VV | 159 | 3296 | 0.04% | 0.022% |
| 182 | 13.359 | 13.333 | 13.385 | VV | 144 | 3523 | 0.04% | 0.024% |
| 183 | 13.401 | 13.385 | 13.418 | VV | 122 | 1932 | 0.02% | 0.013% |
| 184 | 13.483 | 13.418 | 13.622 | VV | 671370 | 8417200 | 100.00% | 56.271% |
| 185 | 13.645 | 13.622 | 13.741 | VV | 1998 | 83813 | 1.00% | 0.560% |
| 186 | 13.753 | 13.741 | 13.790 | VV | 754 | 20556 | 0.24% | 0.137% |
| 187 | 13.826 | 13.790 | 13.909 | VV | 6171 | 120481 | 1.43% | 0.805% |
| 188 | 13.918 | 13.909 | 13.979 | VV | 549 | 19214 | 0.23% | 0.128% |
| 189 | 13.989 | 13.979 | 14.007 | VV | 435 | 6525 | 0.08% | 0.044% |
| 190 | 14.060 | 14.007 | 14.157 | VV | 6537 | 148469 | 1.76% | 0.993% |
| 191 | 14.189 | 14.157 | 14.213 | VV | 1717 | 37195 | 0.44% | 0.249% |
| 192 | 14.237 | 14.213 | 14.400 | VV | 3929 | 89030 | 1.06% | 0.595% |
| 193 | 14.469 | 14.400 | 14.491 | VV | 314 | 14294 | 0.17% | 0.096% |
| 194 | 14.501 | 14.491 | 14.568 | VV | 289 | 10577 | 0.13% | 0.071% |
| 195 | 14.579 | 14.568 | 14.615 | VV | 224 | 5671 | 0.07% | 0.038% |
| 196 | 14.631 | 14.615 | 14.641 | VV | 207 | 2787 | 0.03% | 0.019% |
| 197 | 14.684 | 14.641 | 14.773 | VV | 1282 | 38120 | 0.45% | 0.255% |
| 198 | 14.805 | 14.773 | 14.861 | VV | 2091 | 38568 | 0.46% | 0.258% |
| 199 | 14.867 | 14.861 | 14.930 | VV | 240 | 8251 | 0.10% | 0.055% |
| 200 | 14.976 | 14.930 | 15.075 | VV | 3087 | 66404 | 0.79% | 0.444% |
| 201 | 15.091 | 15.075 | 15.114 | VV | 219 | 3975 | 0.05% | 0.027% |
| 202 | 15.128 | 15.114 | 15.142 | VV | 157 | 2023 | 0.02% | 0.014% |
| 203 | 15.192 | 15.142 | 15.281 | VV | 4421 | 94892 | 1.13% | 0.634% |
| 204 | 15.307 | 15.281 | 15.323 | VV | 1043 | 18474 | 0.22% | 0.124% |
| 205 | 15.349 | 15.323 | 15.382 | VV | 5463 | 88679 | 1.05% | 0.593% |
| 206 | 15.395 | 15.382 | 15.479 | VV | 996 | 20284 | 0.24% | 0.136% |
| 207 | 15.485 | 15.479 | 15.498 | VV | 112 | 929 | 0.01% | 0.006% |
| 208 | 15.517 | 15.498 | 15.600 | VV | 216 | 7821 | 0.09% | 0.052% |
| 209 | 15.622 | 15.600 | 15.666 | VV | 148 | 2346 | 0.03% | 0.016% |
| 210 | 15.690 | 15.666 | 15.708 | PV | 107 | 1158 | 0.01% | 0.008% |
| 211 | 15.774 | 15.708 | 15.834 | VV | 194 | 5213 | 0.06% | 0.035% |
| 212 | 15.873 | 15.834 | 15.972 | VV | 4190 | 72725 | 0.86% | 0.486% |
| 213 | 15.979 | 15.972 | 16.005 | VV | 78 | 1066 | 0.01% | 0.007% |
| 214 | 16.042 | 16.005 | 16.060 | VV | 95 | 2143 | 0.03% | 0.014% |
| 215 | 16.115 | 16.060 | 16.124 | PV | 76 | 1507 | 0.02% | 0.010% |
| 216 | 16.144 | 16.124 | 16.169 | PV | 99 | 1669 | 0.02% | 0.011% |
| 217 | 16.197 | 16.169 | 16.222 | VV | 195 | 3442 | 0.04% | 0.023% |
| 218 | 16.242 | 16.222 | 16.293 | VV | 155 | 4122 | 0.05% | 0.028% |
| 219 | 16.306 | 16.293 | 16.318 | VV | 136 | 1388 | 0.02% | 0.009% |
| 220 | 16.339 | 16.318 | 16.349 | VV | 492 | 6213 | 0.07% | 0.042% |
| 221 | 16.377 | 16.349 | 16.461 | VV | 6555 | 113234 | 1.35% | 0.757% |

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|---|---|---|---|---|---|---|---|---|
| 222 | 16.473 | 16.461 | 16.500 | VV | 255 | 3873 | 0.05% | 0.026% |
| 223 | 16.515 | 16.500 | 16.573 | VV | 254 | 5815 | 0.07% | 0.039% |
| 224 | 16.585 | 16.573 | 16.607 | VV | 116 | 1577 | 0.02% | 0.011% |
| 225 | 16.689 | 16.607 | 16.718 | VV | 275 | 7309 | 0.09% | 0.049% |
| 226 | 16.736 | 16.718 | 16.788 | VV | 225 | 4575 | 0.05% | 0.031% |
| 227 | 16.864 | 16.788 | 16.966 | PV | 5918 | 101573 | 1.21% | 0.679% |
| 228 | 16.995 | 16.966 | 17.015 | VV | 123 | 2796 | 0.03% | 0.019% |
| 229 | 17.032 | 17.015 | 17.110 | VV | 170 | 5757 | 0.07% | 0.038% |
| 230 | 17.168 | 17.110 | 17.190 | VV | 270 | 6124 | 0.07% | 0.041% |
| 231 | 17.216 | 17.190 | 17.252 | VV | 301 | 6110 | 0.07% | 0.041% |
| 232 | 17.333 | 17.252 | 17.414 | VV | 7933 | 137971 | 1.64% | 0.922% |
| 233 | 17.427 | 17.414 | 17.455 | VV | 180 | 3967 | 0.05% | 0.027% |
| 234 | 17.458 | 17.455 | 17.488 | VV | 162 | 2176 | 0.03% | 0.015% |
| 235 | 17.496 | 17.488 | 17.512 | VV | 143 | 1251 | 0.01% | 0.008% |
| 236 | 17.554 | 17.512 | 17.597 | VV | 162 | 5041 | 0.06% | 0.034% |
| 237 | 17.624 | 17.597 | 17.651 | VV | 355 | 6483 | 0.08% | 0.043% |
| 238 | 17.674 | 17.651 | 17.694 | PV | 259 | 3577 | 0.04% | 0.024% |
| 239 | 17.725 | 17.694 | 17.744 | VV | 202 | 3909 | 0.05% | 0.026% |
| 240 | 17.787 | 17.744 | 17.862 | VV | 8301 | 138948 | 1.65% | 0.929% |
| 241 | 17.888 | 17.862 | 17.968 | VV | 313 | 11722 | 0.14% | 0.078% |
| 242 | 17.973 | 17.968 | 17.981 | VV | 113 | 681 | 0.01% | 0.005% |
| 243 | 17.990 | 17.981 | 18.027 | VV | 158 | 3072 | 0.04% | 0.021% |
| 244 | 18.069 | 18.027 | 18.096 | VV | 565 | 11053 | 0.13% | 0.074% |
| 245 | 18.116 | 18.096 | 18.150 | VV | 290 | 5194 | 0.06% | 0.035% |
| 246 | 18.226 | 18.150 | 18.324 | PV | 9360 | 165168 | 1.96% | 1.104% |
| 247 | 18.373 | 18.324 | 18.431 | VV | 618 | 18772 | 0.22% | 0.125% |
| 248 | 18.500 | 18.431 | 18.525 | VV | 677 | 13881 | 0.16% | 0.093% |
| 249 | 18.550 | 18.525 | 18.583 | VV | 701 | 11251 | 0.13% | 0.075% |
| 250 | 18.609 | 18.583 | 18.620 | VV | 282 | 3037 | 0.04% | 0.020% |
| 251 | 18.651 | 18.620 | 18.719 | VV | 8596 | 144758 | 1.72% | 0.968% |
| 252 | 18.744 | 18.719 | 18.775 | VV | 669 | 12096 | 0.14% | 0.081% |
| 253 | 18.808 | 18.775 | 18.833 | VV | 144 | 3531 | 0.04% | 0.024% |
| 254 | 18.839 | 18.833 | 18.846 | PV | 46 | 179 | 0.00% | 0.001% |
| 255 | 18.915 | 18.846 | 18.942 | VV | 755 | 14342 | 0.17% | 0.096% |
| 256 | 18.961 | 18.942 | 18.990 | VV | 334 | 4905 | 0.06% | 0.033% |
| 257 | 19.064 | 18.990 | 19.143 | PV | 8656 | 153650 | 1.83% | 1.027% |
| 258 | 19.214 | 19.143 | 19.261 | VV | 454 | 19345 | 0.23% | 0.129% |
| 259 | 19.320 | 19.261 | 19.348 | VV | 582 | 16271 | 0.19% | 0.109% |
| 260 | 19.365 | 19.348 | 19.401 | VV | 528 | 10337 | 0.12% | 0.069% |
| 261 | 19.464 | 19.401 | 19.550 | VV | 6514 | 147519 | 1.75% | 0.986% |
| 262 | 19.636 | 19.550 | 19.681 | VV | 726 | 39448 | 0.47% | 0.264% |
| 263 | 19.712 | 19.681 | 19.734 | VV | 894 | 21607 | 0.26% | 0.144% |
| 264 | 19.757 | 19.734 | 19.788 | VV | 711 | 18591 | 0.22% | 0.124% |
| 265 | 19.853 | 19.788 | 19.941 | VV | 6204 | 156690 | 1.86% | 1.048% |
| 266 | 19.999 | 19.941 | 20.011 | VV | 903 | 33478 | 0.40% | 0.224% |
| 267 | 20.035 | 20.011 | 20.065 | VV | 936 | 27850 | 0.33% | 0.186% |
| 268 | 20.093 | 20.065 | 20.115 | VV | 1234 | 32248 | 0.38% | 0.216% |
| 269 | 20.140 | 20.115 | 20.190 | VV | 1463 | 51471 | 0.61% | 0.344% |

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|---|---|---|---|---|---|---|---|---|
| 270 | 20.229 | 20.190 | 20.266 | VV | 4571 | 107566 | 1.28% | 0.719% |
| 271 | 20.283 | 20.266 | 20.308 | VV | 1485 | 34566 | 0.41% | 0.231% |
| 272 | 20.412 | 20.308 | 20.429 | VV | 1688 | 109429 | 1.30% | 0.732% |
| 273 | 20.466 | 20.429 | 20.482 | VV | 1858 | 54949 | 0.65% | 0.367% |
| 274 | 20.510 | 20.482 | 20.541 | VV | 2043 | 66975 | 0.80% | 0.448% |
| 275 | 20.599 | 20.541 | 20.635 | VV | 5341 | 170451 | 2.03% | 1.139% |
| 276 | 20.659 | 20.635 | 20.698 | VV | 2627 | 94318 | 1.12% | 0.631% |
| 277 | 20.877 | 20.698 | 20.908 | VV | 2875 | 335380 | 3.98% | 2.242% |
| 278 | 20.966 | 20.908 | 21.008 | VV | 4232 | 187723 | 2.23% | 1.255% |
| 279 | 21.100 | 21.008 | 21.191 | VV | 4787 | 396281 | 4.71% | 2.649% |
| 280 | 21.214 | 21.191 | 21.255 | VV | 2844 | 105127 | 1.25% | 0.703% |
| 281 | 21.278 | 21.255 | 21.318 | VV | 2594 | 93370 | 1.11% | 0.624% |
| 282 | 21.373 | 21.318 | 21.435 | VV | 3773 | 195352 | 2.32% | 1.306% |
| 283 | 21.438 | 21.435 | 21.461 | VV | 2502 | 36132 | 0.43% | 0.242% |
| 284 | 21.481 | 21.461 | 21.521 | VV | 2227 | 76384 | 0.91% | 0.511% |
| 285 | 21.532 | 21.521 | 21.568 | VV | 2095 | 57252 | 0.68% | 0.383% |
| 286 | 21.581 | 21.568 | 21.597 | VV | 2045 | 34234 | 0.41% | 0.229% |
| 287 | 21.607 | 21.597 | 21.675 | VV | 1916 | 84602 | 1.01% | 0.566% |
| 288 | 21.725 | 21.675 | 21.789 | VV | 1740 | 112949 | 1.34% | 0.755% |
| 289 | 21.833 | 21.789 | 21.918 | VV | 1999 | 122103 | 1.45% | 0.816% |
| 290 | 21.929 | 21.918 | 22.072 | VV | 1296 | 101162 | 1.20% | 0.676% |
| 291 | 22.081 | 22.072 | 22.118 | VV | 931 | 23774 | 0.28% | 0.159% |
| 292 | 22.144 | 22.118 | 22.181 | VV | 849 | 29045 | 0.35% | 0.194% |
| 293 | 22.207 | 22.181 | 22.268 | VV | 682 | 31735 | 0.38% | 0.212% |
| 294 | 22.281 | 22.268 | 22.298 | VV | 480 | 8300 | 0.10% | 0.055% |
| 295 | 22.351 | 22.298 | 22.487 | VV | 1147 | 54571 | 0.65% | 0.365% |
| 296 | 22.496 | 22.487 | 22.501 | PBA | 53 | 8196 | 0.10% | 0.055% |

Sum of corrected areas: 14958429

Aliphatic EPH 102925.M Fri Nov 21 00:24:17 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016719.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 16:34
Operator : YP\AJ
Sample : PB170577BL
Misc :
ALS Vial : 73 Sample Multiplier: 1

**Instrument :**
FID_F
**ClientSampleId :**
PB170577BL

Integration File: autoint1.e
Quant Time: Nov 18 00:32:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| **System Monitoring Compounds** | | | |
| 4) S 2-Bromonaphthalene (S... | 8.002 | 5732178 | 50.583 ug/ml |
| Spiked Amount 50.000 | | Recovery = 101.17% | |
| 6) S 2-Flurobiphenyl (SURR) | 8.879 | 3797616 | 53.247 ug/ml |
| Spiked Amount 50.000 | Range 0 - 131 | Recovery = 106.49% | |
| 11) S ortho-Terphenyl (SURR) | 11.949 | 5908012 | 40.231 ug/ml |
| Spiked Amount 50.000 | | Recovery = 80.46% | |
| **Target Compounds** | | | |

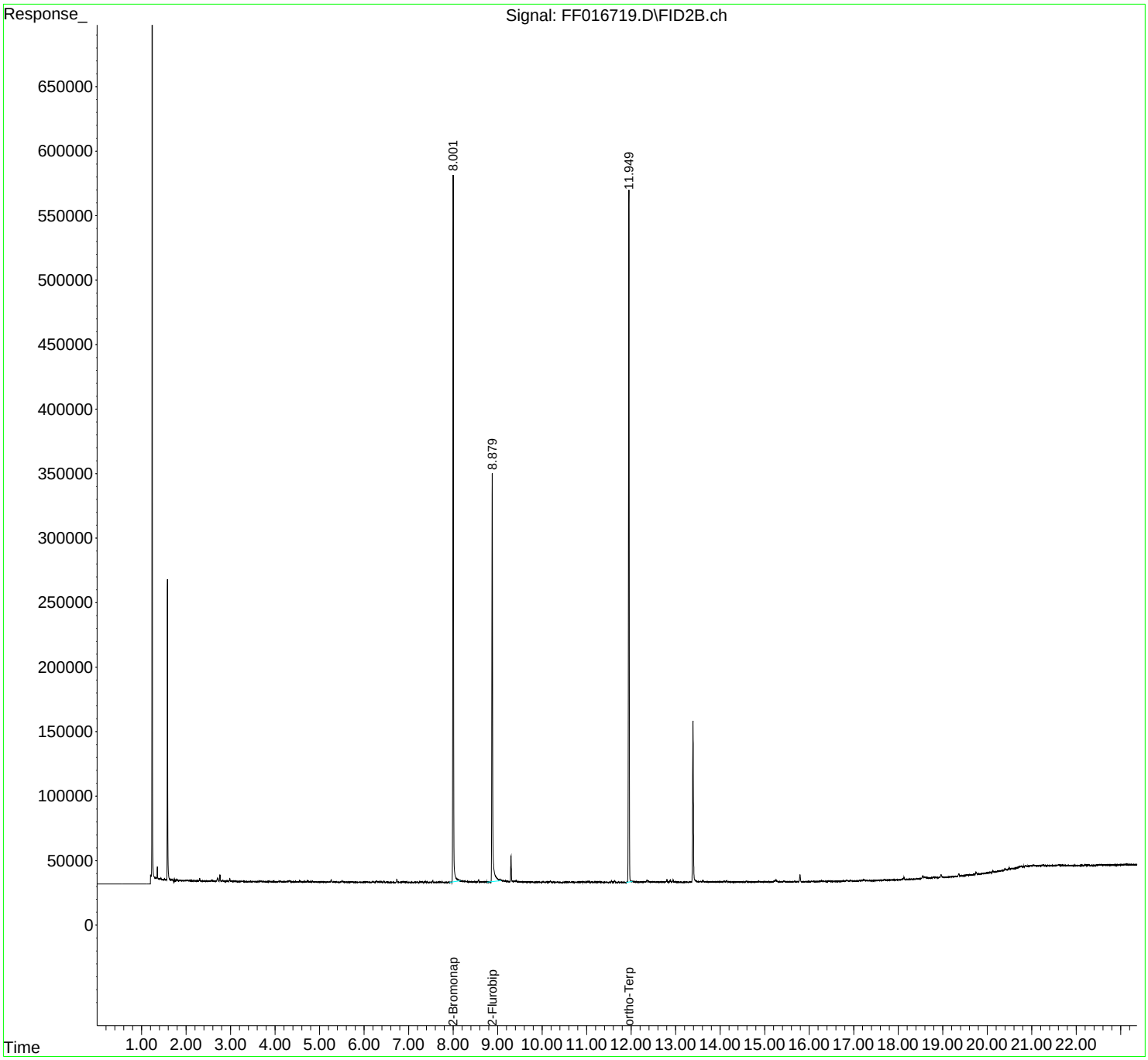
(f)=RT Delta > 1/2 Window (m)=manual int.

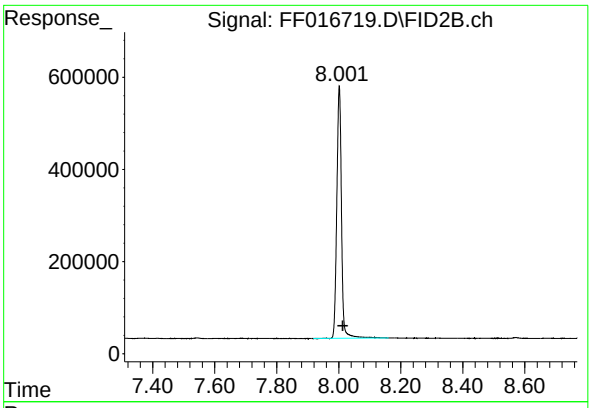
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016719.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 16:34
Operator : YP\AJ
Sample : PB170577BL
Misc :
ALS Vial : 73 Sample Multiplier: 1

**Instrument :**
FID_F
**ClientSampleId :**
PB170577BL

Integration File: autoint1.e
Quant Time: Nov 18 00:32:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

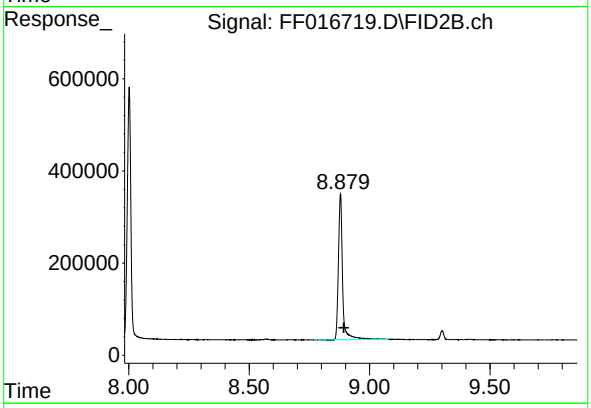





#4 2-Bromonaphthalene (SURR)

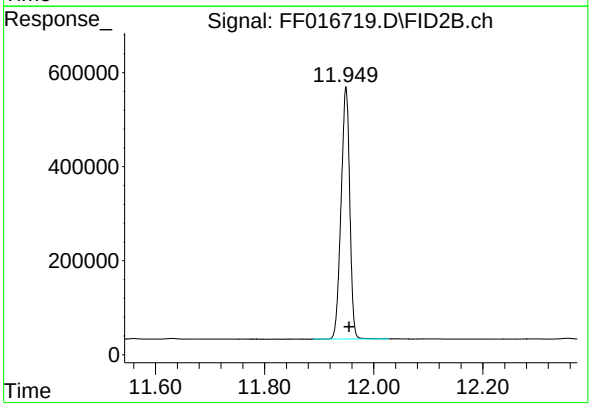
R.T.: 8.002 min
Delta R.T.: -0.011 min
Response: 5732178
Conc: 50.58 ug/ml

**Instrument :**
FID_F
**ClientSampleId :**
PB170577BL




#6 2-Flurobiphenyl (SURR)

R.T.: 8.879 min
Delta R.T.: -0.014 min
Response: 3797616
Conc: 53.25 ug/ml




#11 ortho-Terphenyl (SURR)

R.T.: 11.949 min
Delta R.T.: -0.006 min
Response: 5908012
Conc: 40.23 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016719.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 16:34
Sample : PB170577BL
Misc :
ALS Vial : 73 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Title : GC Extractables

Signal : FID2B.ch

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|
| 1 | 8.002 | 7.917 | 8.161 | BB | 549443 | 5732178 | 97.02% | 37.131% |
| 2 | 8.879 | 8.766 | 9.079 | BB | 316707 | 3797616 | 64.28% | 24.599% |
| 3 | 11.949 | 11.889 | 12.027 | BB | 535848 | 5908012 | 100.00% | 38.270% |
| | | | Sum of corrected areas: | | | 15437807 | | |

Aromatic EPH 102925.M Tue Nov 18 01:11:45 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
Data File : FG016957.D
Signal(s) : FID1A.ch
Acq On : 20 Nov 2025 11:09
Operator : YP\AJ
Sample : PB170577BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
PB170577BL

Integration File: autoint1.e
Quant Time: Nov 20 23:49:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 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 | | | |
| 12) S 1-chlorooctadecane (S... | 13.478 | 2987792 | 24.809 ug/ml |
| Spiked Amount 50.000 | | Recovery = 49.62% | |
| Target Compounds | | | |

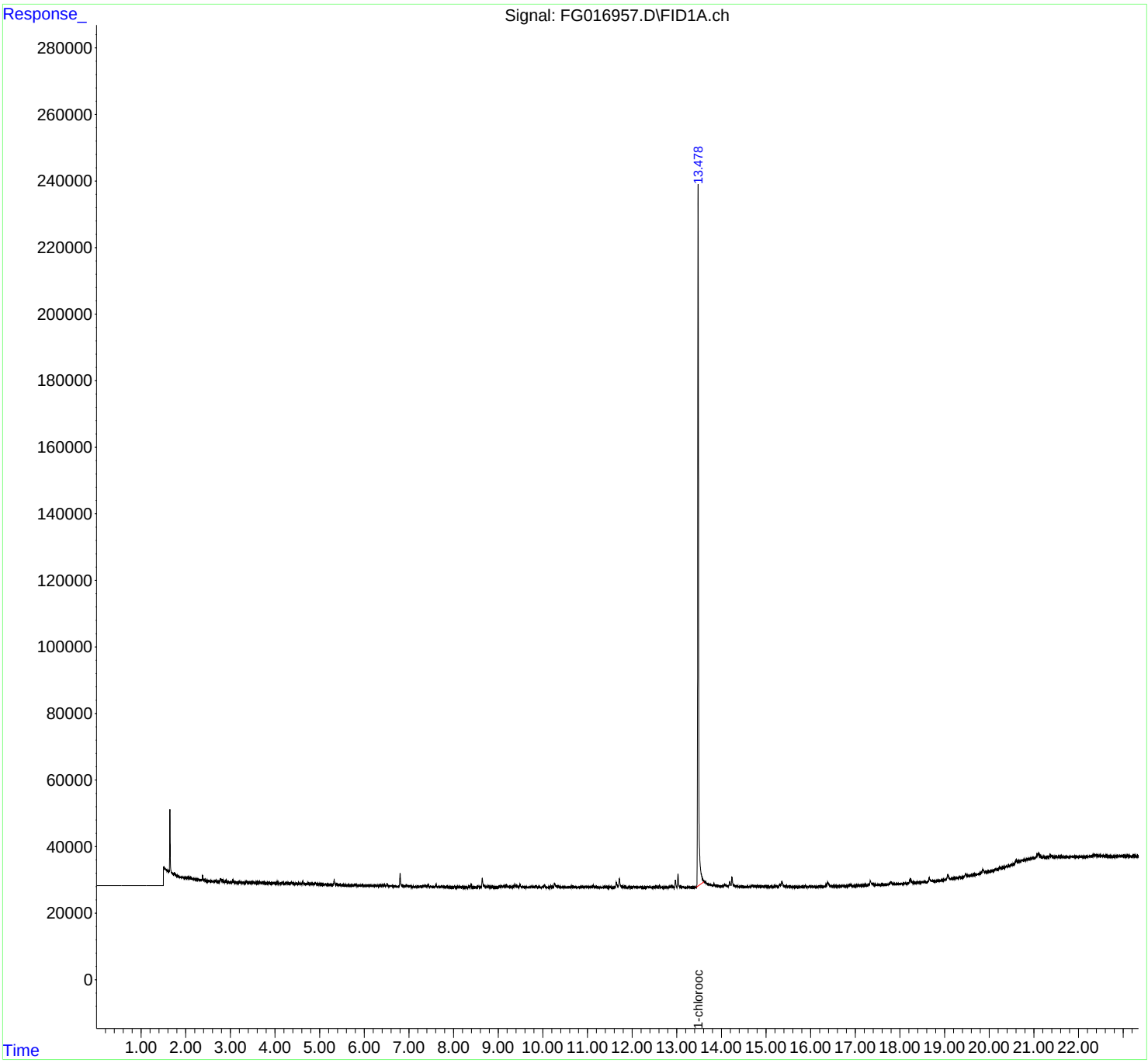
(f)=RT Delta > 1/2 Window (m)=manual int.

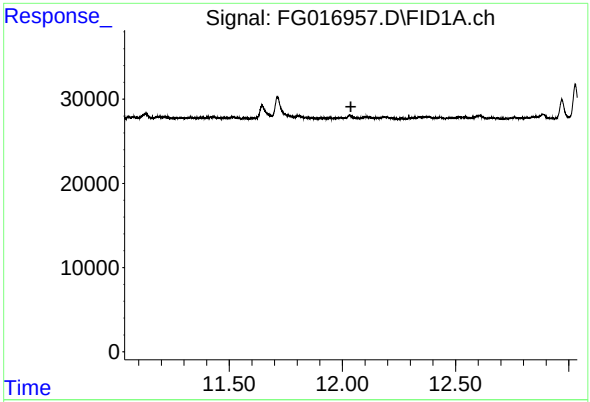
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
Data File : FG016957.D
Signal(s) : FID1A.ch
Acq On : 20 Nov 2025 11:09
Operator : YP\AJ
Sample : PB170577BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
PB170577BL

Integration File: autoint1.e
Quant Time: Nov 20 23:49:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

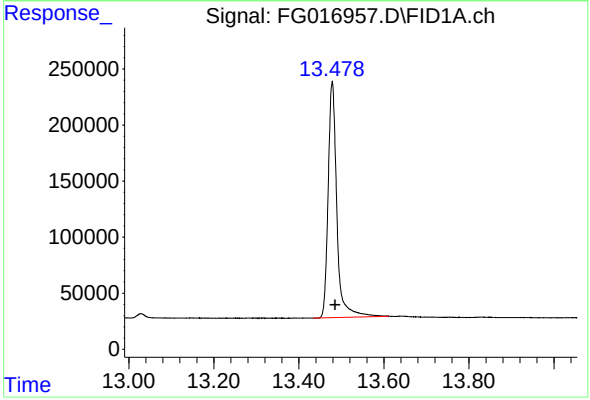





#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.038 min
Response: 0
Conc: N.D.

**Instrument :**
FID_G
**ClientSampleId :**
PB170577BL




#12 1-chlorooctadecane (SURR)

R.T.: 13.478 min
Delta R.T.: -0.007 min
Response: 2987792
Conc: 24.81 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
Data File : FG016957.D
Signal(s) : FID1A.ch
Acq On : 20 Nov 2025 11:09
Sample : PB170577BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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 | 13.478 | 13.434 | 13.611 | BB | 210899 | 2987792 | 100.00% | 100.000% |
| | | | Sum of corrected areas: | | | 2987792 | | |

Aliphatic EPH 102925.M Fri Nov 21 00:22:10 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016717.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 15:00
Operator : YP\AJ
Sample : PB170577BS
Misc :
ALS Vial : 71 Sample Multiplier: 1

**Instrument :**
FID_F
**ClientSampleId :**
PB170577BS

Integration File: autoint1.e
Quant Time: Nov 21 05:49:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

| | Compound | R.T. | Response | Conc Units |
|---|---|---|---|---|
| | **System Monitoring Compounds** | | | |
| 4) S | 2-Bromonaphthalene (S... | 8.005 | 6657703 | 58.751 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 117.50% |
| 6) S | 2-Flurobiphenyl (SURR) | 8.883 | 4257234 | 59.691 ug/ml |
| Spiked Amount | 50.000 Range | 0 - 131 | Recovery = | 119.38% |
| 11) S | ortho-Terphenyl (SURR) | 11.951 | 6379745 | 43.443 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 86.89% |
| | **Target Compounds** | | | |
| 1) T | 1,2,3-Trimethylbenzen... | 4.595 | 4831557 | 36.704 ug/ml |
| 2) T | Naphthalene (C11.7) | 6.273 | 5570293 | 42.106 ug/ml |
| 3) T | 2-Methylnaphthalene (... | 7.374 | 5383004 | 40.493 ug/ml |
| 5) T | Acenaphthylene (C15.06) | 8.682 | 6059932 | 44.854 ug/ml |
| 7) T | Acenaphthene (C15.5) | 8.982 | 6180754 | 44.964 ug/ml |
| 8) T | Flouorene (C16.55) | 9.772 | 6201730 | 47.636 ug/ml |
| 9) T | Phenanthrene (C19.36) | 11.183 | 6127707 | 46.342 ug/ml |
| 10) T | Anthracene (C19.43) | 11.258 | 5794931 | 42.764 ug/ml |
| 12) T | Fluoranthene (C21.85) | 13.008 | 6113638 | 44.548 ug/ml |
| 13) T | Pyrene (C20.8) | 13.308 | 6077051 | 44.343 ug/ml |
| 14) T | Benzo[a]anthracene (C... | 15.195 | 5600897 | 49.178 ug/ml |
| 15) T | Chrysene (C27.41) | 15.240 | 6746858 | 47.811 ug/ml |
| 16) T | benzo[b]fluoranthene ... | 16.761 | 5601581 | 50.402 ug/ml |
| 17) T | Bnezo[k]fluoranthene ... | 16.795 | 5745237 | 47.036 ug/ml |
| 18) T | Benzo[a]pyrene (C31.34) | 17.143 | 5537035 | 50.451 ug/ml |
| 19) T | Indeno[1,2,3-cd]pyren... | 18.524 | 6016839 | 69.921 ug/ml |
| 20) T | Dibenz[a,h]anthracene... | 18.562 | 5648547 | 42.891 ug/ml |
| 21) T | Benzo[g,h,i]perylene ... | 18.782 | 5812758 | 54.852 ug/ml |

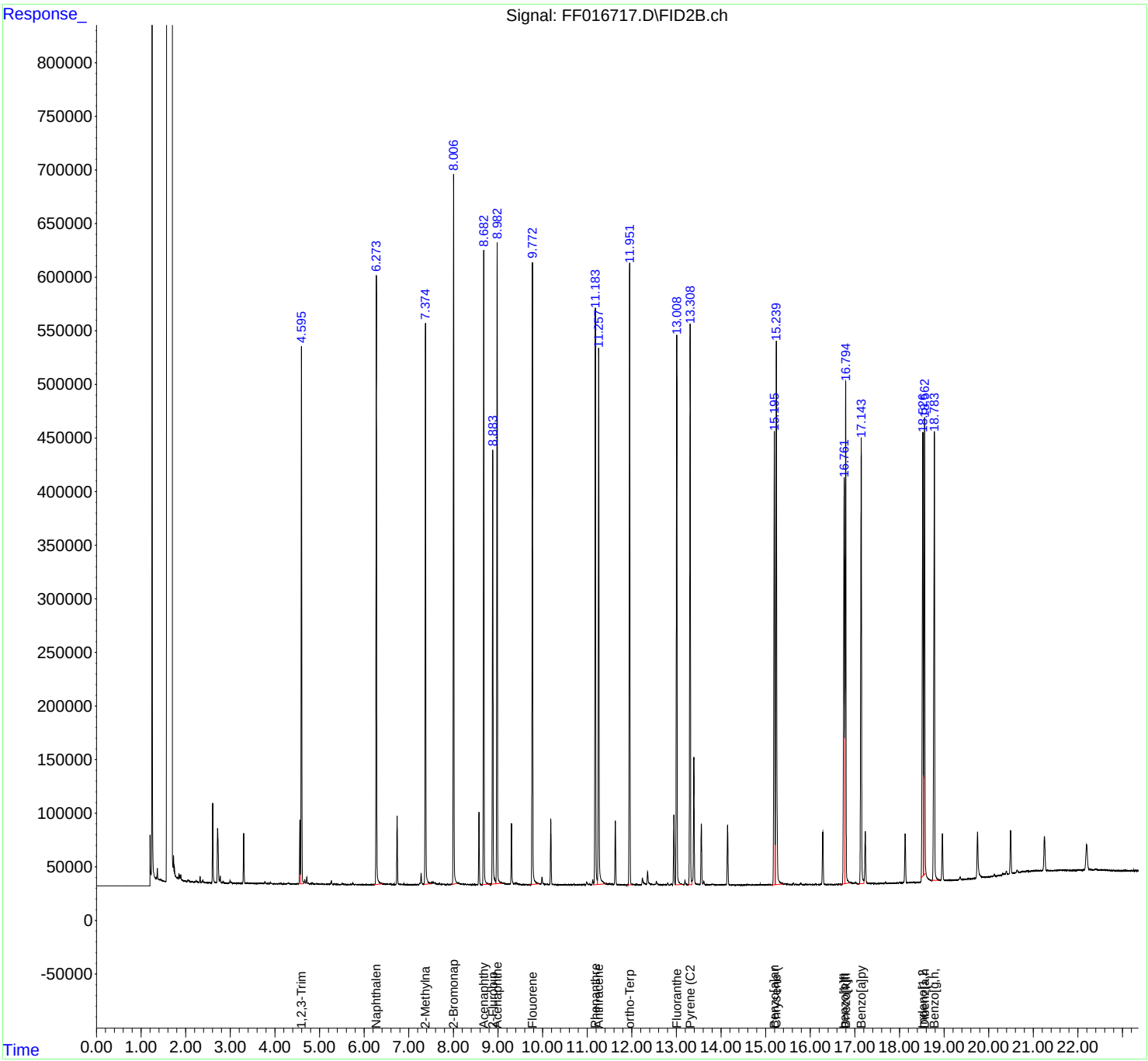
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016717.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 15:00
Operator : YP\AJ
Sample : PB170577BS
Misc :
ALS Vial : 71 Sample Multiplier: 1

**Instrument :**
FID_F
**ClientSampleId :**
PB170577BS

Integration File: autoint1.e
Quant Time: Nov 21 05:49:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016717.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 15:00
Sample : PB170577BS
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Title : GC Extractables

Signal : FID2B.ch

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|
| 1 | 4.595 | 4.574 | 4.650 | VV | 501419 | 4831557 | 71.61% | 3.949% |
| 2 | 6.273 | 6.214 | 6.415 | BB | 570064 | 5570293 | 82.56% | 4.553% |
| 3 | 7.374 | 7.334 | 7.499 | PV | 523162 | 5383004 | 79.79% | 4.400% |
| 4 | 8.005 | 7.973 | 8.097 | PB | 662404 | 6657703 | 98.68% | 5.442% |
| 5 | 8.682 | 8.634 | 8.794 | BB | 591962 | 6059932 | 89.82% | 4.953% |
| 6 | 8.883 | 8.824 | 8.950 | BV | 403159 | 4257234 | 63.10% | 3.480% |
| 7 | 8.982 | 8.950 | 9.102 | VB | 598036 | 6180754 | 91.61% | 5.052% |
| 8 | 9.772 | 9.705 | 9.922 | BB | 579847 | 6201730 | 91.92% | 5.069% |
| 9 | 11.183 | 11.140 | 11.227 | VV | 532082 | 6127707 | 90.82% | 5.009% |
| 10 | 11.258 | 11.227 | 11.422 | VB | 500712 | 5794931 | 85.89% | 4.737% |
| 11 | 11.951 | 11.889 | 12.009 | BB | 579974 | 6379745 | 94.56% | 5.215% |
| 12 | 13.008 | 12.972 | 13.130 | VB | 513847 | 6113638 | 90.61% | 4.997% |
| 13 | 13.308 | 13.245 | 13.347 | BV | 524917 | 6077051 | 90.07% | 4.967% |
| 14 | 15.195 | 15.127 | 15.215 | BV | 422348 | 5600897 | 83.01% | 4.578% |
| 15 | 15.240 | 15.215 | 15.400 | VB | 506847 | 6746858 | 100.00% | 5.515% |
| 16 | 16.761 | 16.684 | 16.777 | BV | 377623 | 5601581 | 83.03% | 4.579% |
| 17 | 16.795 | 16.777 | 16.882 | VV | 467995 | 5745237 | 85.15% | 4.696% |
| 18 | 17.143 | 17.077 | 17.202 | BV | 414452 | 5537035 | 82.07% | 4.526% |
| 19 | 18.524 | 18.487 | 18.540 | BV | 410687 | 6016839 | 89.18% | 4.918% |
| 20 | 18.562 | 18.540 | 18.595 | VBA | 423602 | 5648547 | 83.72% | 4.617% |
| 21 | 18.782 | 18.700 | 18.907 | BB | 418424 | 5812758 | 86.16% | 4.751% |

Sum of corrected areas: 122345031

Aromatic EPH 102925.M Fri Nov 21 05:51:01 2025

Page 1

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
Data File : FG016927.D
Signal(s) : FID1A.ch
Acq On : 17 Nov 2025 17:03
Operator : YP\AJ
Sample : PB170577BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
PB170577BS

Integration File: autoint1.e
Quant Time: Nov 18 01:21:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 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 | | | |
| 12) S | 1-chlorooctadecane (S... | 13.480 | 2963779 | 24.609 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 49.22% |
| | Target Compounds | | | |
| 1) T | n-Nonane (C9) | 3.359 | 2804944 | 22.514 ug/ml |
| 2) T | n-Decane (C10) | 4.620 | 3435300 | 26.833 ug/ml |
| 4) T | n-Dodecane (C12) | 6.801 | 3957455 | 30.352 ug/ml |
| 6) T | n-Tetradecane (C14) | 8.641 | 4364637 | 34.164 ug/ml |
| 7) T | n-Hexadecane (C16) | 10.260 | 4923717 | 37.263 ug/ml |
| 8) T | n-Octadecane (C18) | 11.713 | 5489405 | 39.391 ug/ml |
| 10) T | n-Eicosane (C20) | 13.033 | 5876850 | 42.044 ug/ml |
| 11) T | n-Heneicosane (C21) | 13.650 | 5925713 | 42.621 ug/ml |
| 13) T | n-Docosane (C22) | 14.241 | 5941144 | 41.993 ug/ml |
| 14) T | n-Tetracosane (C24) | 15.352 | 5894260 | 40.089 ug/ml |
| 15) T | n-Hexacosane (C26) | 16.380 | 5722039 | 39.003 ug/ml |
| 16) T | n-Octacosane (C28) | 17.338 | 5504927 | 37.395 ug/ml |
| 17) T | n-Tricontane (C30) | 18.230 | 5160890 | 34.107 ug/ml |
| 18) T | n-Dotriacontane (C32) | 19.068 | 4912630 | 33.327 ug/ml |
| 19) T | n-Tetratriacontane (C34) | 19.857 | 4732259 | 36.722 ug/ml |
| 20) T | n-Hexatriacontane (C36) | 20.602 | 4515036 | 43.622 ug/ml |
| 21) T | n-Octatriacontane (C38) | 21.377 | 4466309 | 50.661 ug/ml |
| 22) T | n-Tetracontane (C40) | 22.361 | 4365526 | 55.754 ug/ml |

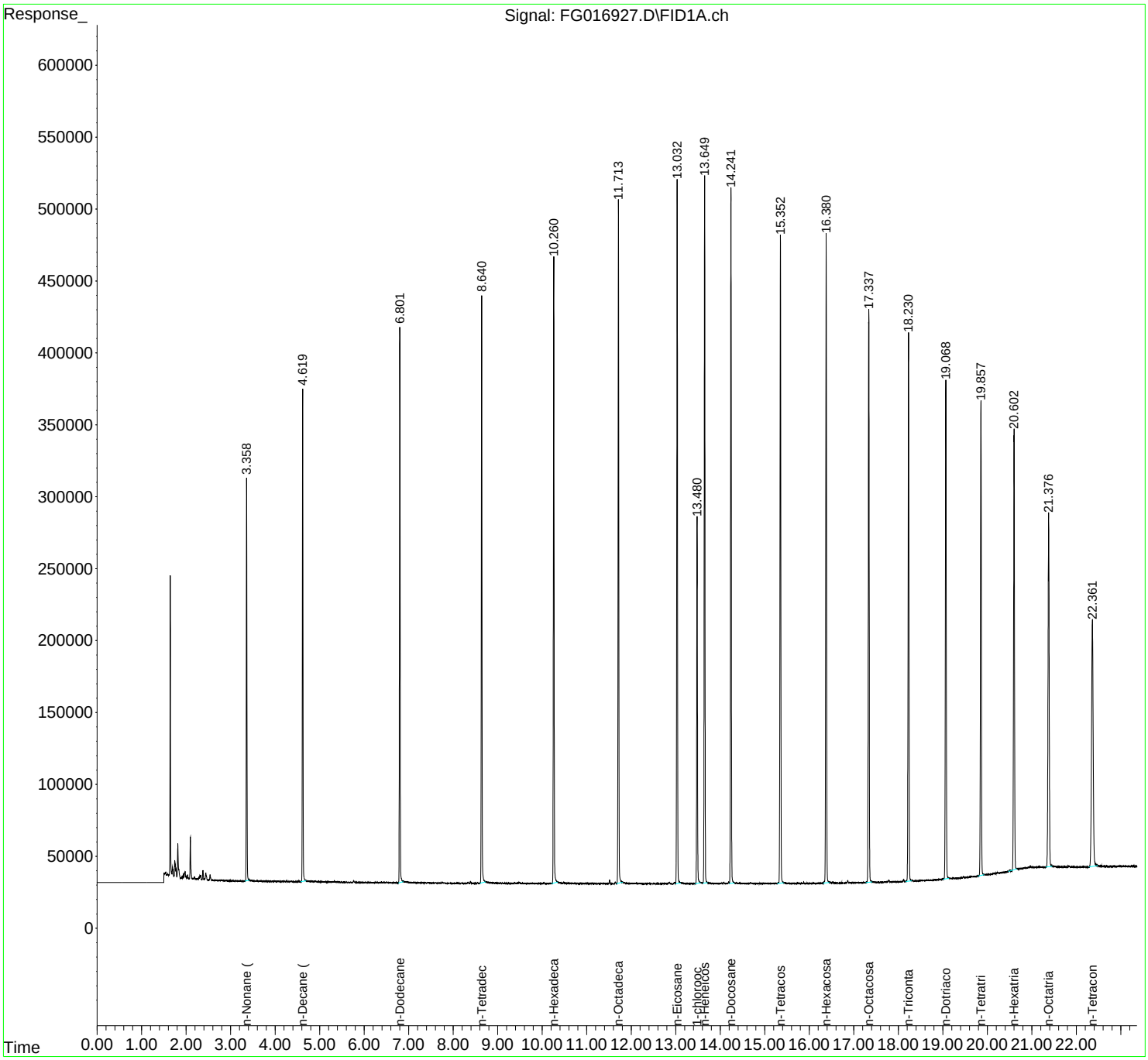
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
Data File : FG016927.D
Signal(s) : FID1A.ch
Acq On : 17 Nov 2025 17:03
Operator : YP\AJ
Sample : PB170577BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
PB170577BS

Integration File: autoint1.e
Quant Time: Nov 18 01:21:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 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_G\Data\FG111725AL\
Data File : FG016927.D
Signal(s) : FID1A.ch
Acq On : 17 Nov 2025 17:03
Sample : PB170577BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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 | 3.359 | 3.320 | 3.423 | BB | 279917 | 2804944 | 47.21% | 3.084% |
| 2 | 4.620 | 4.576 | 4.697 | BB | 341925 | 3435300 | 57.82% | 3.777% |
| 3 | 6.801 | 6.767 | 6.882 | BB | 386110 | 3957455 | 66.61% | 4.351% |
| 4 | 8.641 | 8.598 | 8.730 | BB | 407525 | 4364637 | 73.46% | 4.799% |
| 5 | 10.260 | 10.212 | 10.350 | BB | 435418 | 4923717 | 82.87% | 5.413% |
| 6 | 11.713 | 11.668 | 11.804 | BB | 474436 | 5489405 | 92.40% | 6.035% |
| 7 | 13.033 | 12.993 | 13.112 | BB | 489242 | 5876850 | 98.92% | 6.461% |
| 8 | 13.480 | 13.434 | 13.561 | BB | 254805 | 2963779 | 49.89% | 3.258% |
| 9 | 13.650 | 13.612 | 13.716 | BB | 491323 | 5925713 | 99.74% | 6.515% |
| 10 | 14.241 | 14.203 | 14.318 | VB | 482940 | 5941144 | 100.00% | 6.532% |
| 11 | 15.352 | 15.278 | 15.427 | BB | 449410 | 5894260 | 99.21% | 6.480% |
| 12 | 16.380 | 16.310 | 16.454 | BB | 450366 | 5722039 | 96.31% | 6.291% |
| 13 | 17.338 | 17.272 | 17.414 | BB | 397900 | 5504927 | 92.66% | 6.052% |
| 14 | 18.230 | 18.166 | 18.305 | BB | 381986 | 5160890 | 86.87% | 5.674% |
| 15 | 19.068 | 19.010 | 19.141 | BB | 344736 | 4912630 | 82.69% | 5.401% |
| 16 | 19.857 | 19.794 | 19.930 | BB | 328810 | 4732259 | 79.65% | 5.203% |
| 17 | 20.602 | 20.471 | 20.666 | BB | 300280 | 4515036 | 76.00% | 4.964% |
| 18 | 21.377 | 21.314 | 21.458 | BB | 244764 | 4466309 | 75.18% | 4.910% |
| 19 | 22.361 | 22.278 | 22.477 | BB | 171723 | 4365526 | 73.48% | 4.800% |
| | | | Sum of corrected areas: | | | 90956819 | | |

Aliphatic EPH 102925.M Tue Nov 18 03:10:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016718.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 15:30
Operator : YP\AJ
Sample : PB170577BSD
Misc :
ALS Vial : 72 Sample Multiplier: 1

**Instrument :**
FID_F
**ClientSampleId :**
PB170577BSD

Integration File: autoint1.e
Quant Time: Nov 18 00:31:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 4) S 2-Bromonaphthalene (S... | 8.010 | 6072329 | 53.585 ug/ml |
| Spiked Amount 50.000 | | Recovery = 107.17% | |
| 6) S 2-Flurobiphenyl (SURR) | 8.886 | 3887536 | 54.507 ug/ml |
| Spiked Amount 50.000 | Range 0 - 131 | Recovery = 109.01% | |
| 11) S ortho-Terphenyl (SURR) | 11.953 | 5813344 | 39.586 ug/ml |
| Spiked Amount 50.000 | | Recovery = 79.17% | |
| Target Compounds | | | |
| 1) T 1,2,3-Trimethylbenzen... | 4.601 | 4403045 | 33.449 ug/ml |
| 2) T Naphthalene (C11.7) | 6.278 | 5063189 | 38.273 ug/ml |
| 3) T 2-Methylnaphthalene (... | 7.379 | 4893604 | 36.812 ug/ml |
| 5) T Acenaphthylene (C15.06) | 8.685 | 5518581 | 40.847 ug/ml |
| 7) T Acenaphthene (C15.5) | 8.986 | 5637635 | 41.013 ug/ml |
| 8) T Flouorene (C16.55) | 9.775 | 5688570 | 43.694 ug/ml |
| 9) T Phenanthrene (C19.36) | 11.185 | 5565665 | 42.091 ug/ml |
| 10) T Anthracene (C19.43) | 11.260 | 5289604 | 39.035 ug/ml |
| 12) T Fluoranthene (C21.85) | 13.010 | 5536930 | 40.345 ug/ml |
| 13) T Pyrene (C20.8) | 13.309 | 5505716 | 40.174 ug/ml |
| 14) T Benzo[a]anthracene (C... | 15.196 | 5059585 | 44.425 ug/ml |
| 15) T Chrysene (C27.41) | 15.239 | 6106210 | 43.271 ug/ml |
| 16) T benzo[b]fluoranthene ... | 16.760 | 5066867 | 45.591 ug/ml |
| 17) T Bnezo[k]fluoranthene ... | 16.794 | 5245149 | 42.942 ug/ml |
| 18) T Benzo[a]pyrene (C31.34) | 17.142 | 5023019 | 45.768 ug/ml |
| 19) T Indeno[1,2,3-cd]pyren... | 18.522 | 5529130 | 64.254 ug/ml |
| 20) T Dibenz[a,h]anthracene... | 18.560 | 5457587 | 41.441 ug/ml |
| 21) T Benzo[g,h,i]perylene ... | 18.780 | 5218837 | 49.247 ug/ml |

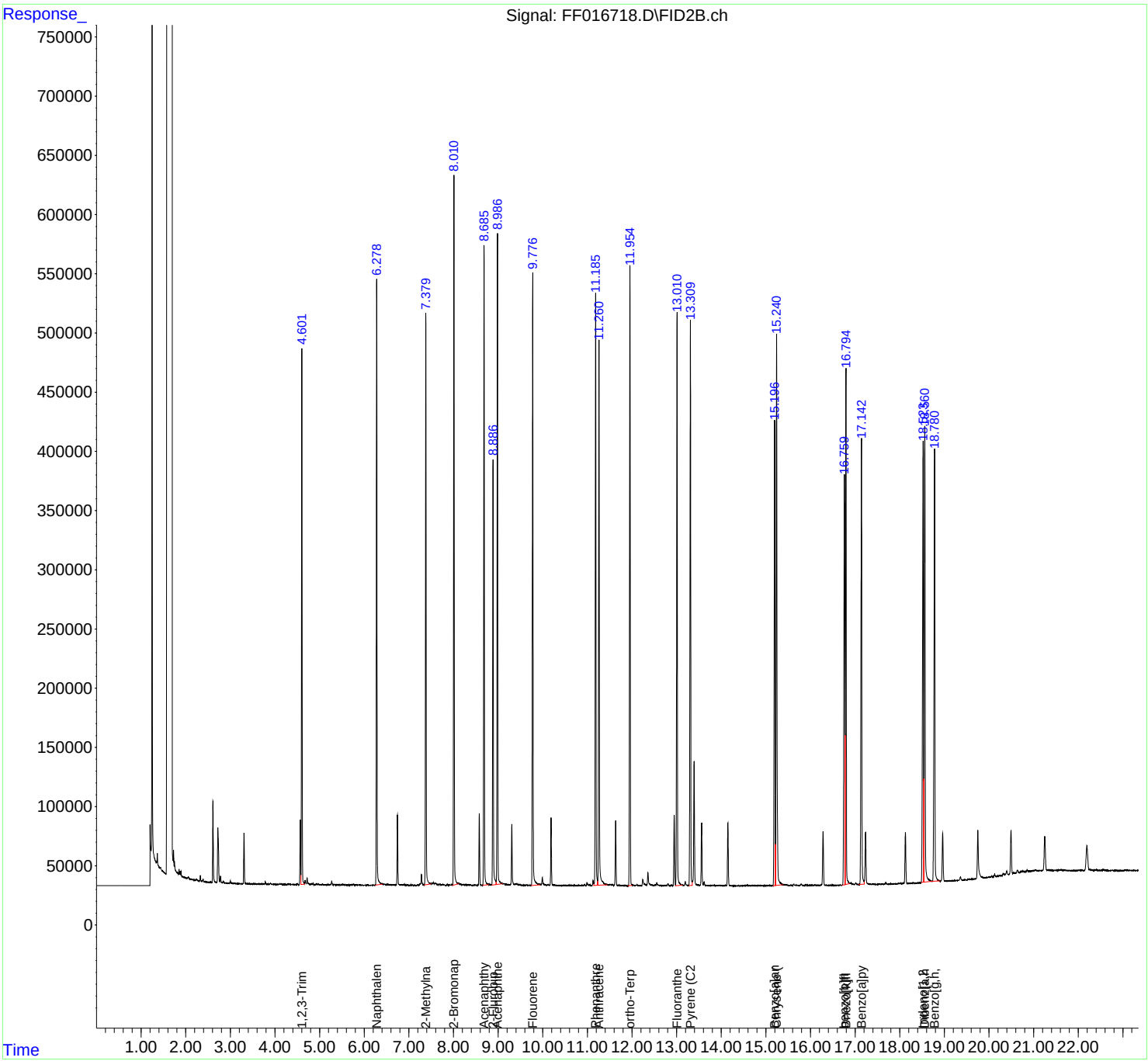
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016718.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 15:30
Operator : YP\AJ
Sample : PB170577BSD
Misc :
ALS Vial : 72 Sample Multiplier: 1

**Instrument :**
FID_F
**ClientSampleId :**
PB170577BSD

Integration File: autoint1.e
Quant Time: Nov 18 00:31:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016718.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 15:30
Sample : PB170577BSD
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Title : GC Extractables

Signal : FID2B.ch

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|
| 1 | 4.601 | 4.581 | 4.658 | VV | 452000 | 4403045 | 72.11% | 3.946% |
| 2 | 6.278 | 6.247 | 6.411 | BB | 514147 | 5063189 | 82.92% | 4.538% |
| 3 | 7.379 | 7.342 | 7.499 | PB | 483248 | 4893604 | 80.14% | 4.386% |
| 4 | 8.010 | 7.979 | 8.122 | PB | 596923 | 6072329 | 99.45% | 5.442% |
| 5 | 8.685 | 8.649 | 8.796 | BB | 541494 | 5518581 | 90.38% | 4.946% |
| 6 | 8.886 | 8.852 | 8.956 | BV | 359715 | 3887536 | 63.67% | 3.484% |
| 7 | 8.986 | 8.956 | 9.104 | VB | 550593 | 5637635 | 92.33% | 5.052% |
| 8 | 9.775 | 9.729 | 9.946 | BB | 518543 | 5688570 | 93.16% | 5.098% |
| 9 | 11.185 | 11.142 | 11.231 | VV | 499215 | 5565665 | 91.15% | 4.988% |
| 10 | 11.260 | 11.231 | 11.452 | VB | 459103 | 5289604 | 86.63% | 4.741% |
| 11 | 11.953 | 11.904 | 12.009 | BB | 525797 | 5813344 | 95.20% | 5.210% |
| 12 | 13.010 | 12.976 | 13.134 | VB | 481551 | 5536930 | 90.68% | 4.962% |
| 13 | 13.309 | 13.269 | 13.349 | BV | 478333 | 5505716 | 90.17% | 4.934% |
| 14 | 15.196 | 15.147 | 15.215 | BV | 392972 | 5059585 | 82.86% | 4.534% |
| 15 | 15.239 | 15.215 | 15.391 | VB | 463969 | 6106210 | 100.00% | 5.472% |
| 16 | 16.760 | 16.704 | 16.776 | BV | 345763 | 5066867 | 82.98% | 4.541% |
| 17 | 16.794 | 16.776 | 16.881 | VV | 435469 | 5245149 | 85.90% | 4.701% |
| 18 | 17.142 | 17.074 | 17.204 | BV | 377194 | 5023019 | 82.26% | 4.502% |
| 19 | 18.522 | 18.481 | 18.538 | BV | 371668 | 5529130 | 90.55% | 4.955% |
| 20 | 18.560 | 18.538 | 18.731 | VBA | 383151 | 5457587 | 89.38% | 4.891% |
| 21 | 18.780 | 18.731 | 18.907 | BB | 364722 | 5218837 | 85.47% | 4.677% |

Sum of corrected areas: 111582132

Aromatic EPH 102925.M Tue Nov 18 01:11:25 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
Data File : FG016928.D
Signal(s) : FID1A.ch
Acq On : 17 Nov 2025 17:32
Operator : YP\AJ
Sample : PB170577BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
PB170577BSD

Integration File: autoint1.e
Quant Time: Nov 18 01:21:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 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 | | | |
| 12) S | 1-chlorooctadecane (S... | 13.480 | 2989856 | 24.826 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 49.65% |
| | Target Compounds | | | |
| 1) T | n-Nonane (C9) | 3.360 | 2827287 | 22.693 ug/ml |
| 2) T | n-Decane (C10) | 4.620 | 3462741 | 27.048 ug/ml |
| 4) T | n-Dodecane (C12) | 6.801 | 3986829 | 30.577 ug/ml |
| 6) T | n-Tetradecane (C14) | 8.642 | 4398207 | 34.427 ug/ml |
| 7) T | n-Hexadecane (C16) | 10.260 | 4955975 | 37.507 ug/ml |
| 8) T | n-Octadecane (C18) | 11.713 | 5543784 | 39.782 ug/ml |
| 10) T | n-Eicosane (C20) | 13.033 | 5930866 | 42.430 ug/ml |
| 11) T | n-Heneicosane (C21) | 13.650 | 5981240 | 43.020 ug/ml |
| 13) T | n-Docosane (C22) | 14.241 | 5989855 | 42.337 ug/ml |
| 14) T | n-Tetracosane (C24) | 15.352 | 5940421 | 40.403 ug/ml |
| 15) T | n-Hexacosane (C26) | 16.380 | 5763294 | 39.284 ug/ml |
| 16) T | n-Octacosane (C28) | 17.336 | 5540881 | 37.640 ug/ml |
| 17) T | n-Tricontane (C30) | 18.230 | 5185389 | 34.269 ug/ml |
| 18) T | n-Dotriacontane (C32) | 19.069 | 4936378 | 33.488 ug/ml |
| 19) T | n-Tetratriacontane (C34) | 19.857 | 4741496 | 36.794 ug/ml |
| 20) T | n-Hexatriacontane (C36) | 20.599 | 4524199 | 43.710 ug/ml |
| 21) T | n-Octatriacontane (C38) | 21.376 | 4475671 | 50.767 ug/ml |
| 22) T | n-Tetracontane (C40) | 22.360 | 4376107 | 55.889 ug/ml |

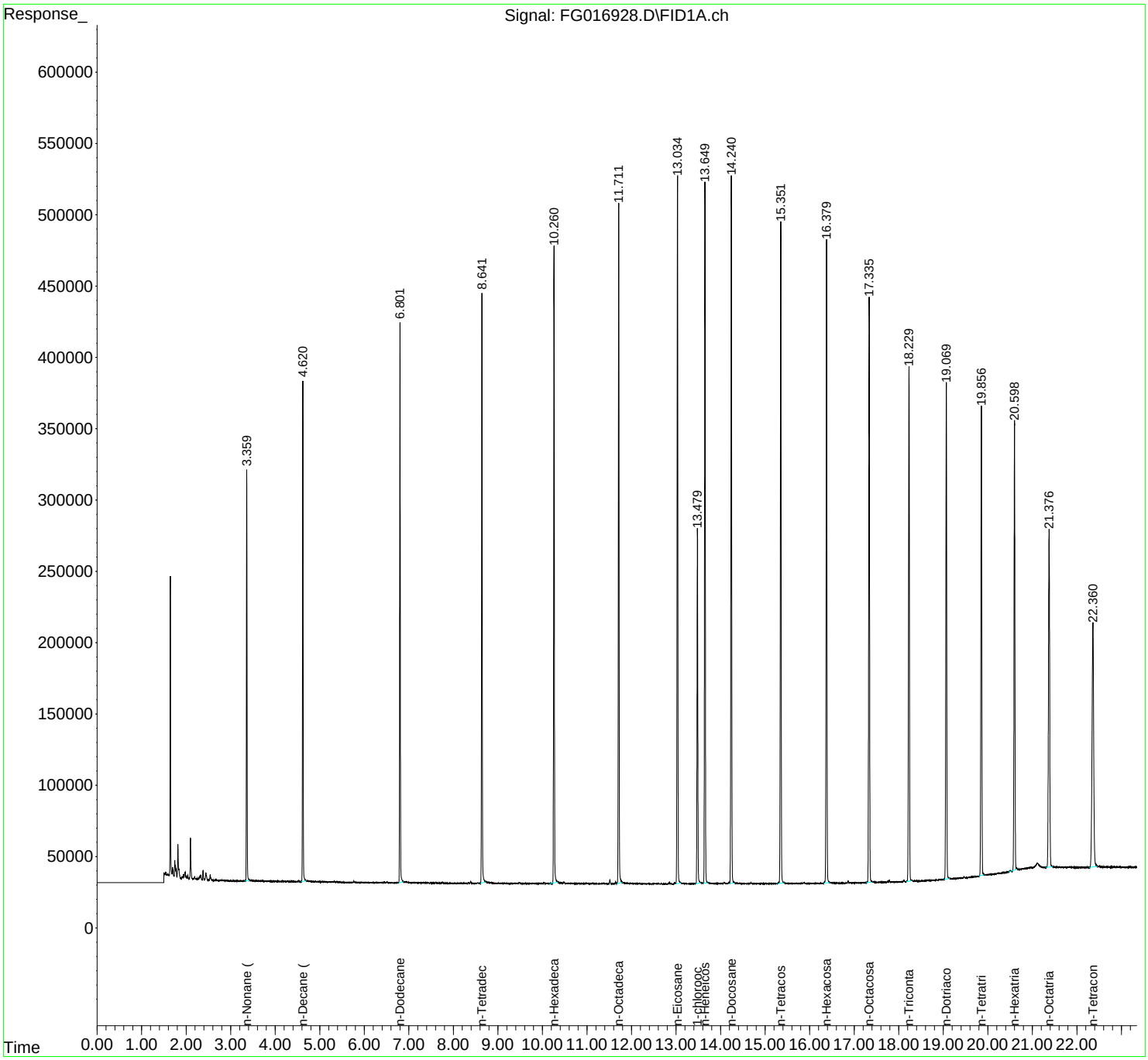
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111725AL\
Data File : FG016928.D
Signal(s) : FID1A.ch
Acq On : 17 Nov 2025 17:32
Operator : YP\AJ
Sample : PB170577BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
PB170577BSD

Integration File: autoint1.e
Quant Time: Nov 18 01:21:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 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_G\Data\FG111725AL\
Data File : FG016928.D
Signal(s) : FID1A.ch
Acq On : 17 Nov 2025 17:32
Sample : PB170577BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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 | 3.360 | 3.320 | 3.425 | BB | 288113 | 2827287 | 47.20% | 3.088% |
| 2 | 4.620 | 4.579 | 4.697 | BB | 350335 | 3462741 | 57.81% | 3.782% |
| 3 | 6.801 | 6.768 | 6.883 | BB | 392272 | 3986829 | 66.56% | 4.355% |
| 4 | 8.642 | 8.600 | 8.731 | BB | 413331 | 4398207 | 73.43% | 4.804% |
| 5 | 10.260 | 10.158 | 10.353 | BB | 446779 | 4955975 | 82.74% | 5.413% |
| 6 | 11.713 | 11.669 | 11.807 | BB | 476753 | 5543784 | 92.55% | 6.055% |
| 7 | 13.033 | 12.993 | 13.110 | BB | 496463 | 5930866 | 99.02% | 6.478% |
| 8 | 13.480 | 13.437 | 13.557 | BB | 247767 | 2989856 | 49.92% | 3.266% |
| 9 | 13.650 | 13.612 | 13.722 | BB | 490297 | 5981240 | 99.86% | 6.533% |
| 10 | 14.241 | 14.203 | 14.319 | VB | 496688 | 5989855 | 100.00% | 6.543% |
| 11 | 15.352 | 15.274 | 15.428 | BB | 459588 | 5940421 | 99.17% | 6.489% |
| 12 | 16.380 | 16.311 | 16.455 | BB | 449452 | 5763294 | 96.22% | 6.295% |
| 13 | 17.336 | 17.271 | 17.413 | BB | 409082 | 5540881 | 92.50% | 6.052% |
| 14 | 18.230 | 18.167 | 18.300 | BB | 360380 | 5185389 | 86.57% | 5.664% |
| 15 | 19.069 | 19.011 | 19.143 | BB | 345606 | 4936378 | 82.41% | 5.392% |
| 16 | 19.857 | 19.800 | 19.927 | BB | 328216 | 4741496 | 79.16% | 5.179% |
| 17 | 20.599 | 20.468 | 20.660 | BB | 312558 | 4524199 | 75.53% | 4.942% |
| 18 | 21.376 | 21.308 | 21.459 | BB | 234680 | 4475671 | 74.72% | 4.889% |
| 19 | 22.360 | 22.277 | 22.470 | BB | 171379 | 4376107 | 73.06% | 4.780% |
| | | | Sum of corrected areas: | | | 91550475 | | |

Aliphatic EPH 102925.M Tue Nov 18 03:10:33 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016726.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 19:59
Operator : YP\AJ
Sample : Q3586-03MS
Misc :
ALS Vial : 80 Sample Multiplier: 1

**Instrument :**
FID_F
**ClientSampleId :**
SED-3MS

Integration File: autoint1.e
Quant Time: Nov 18 00:37:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

| | Compound | R.T. | Response | Conc Units |
|---|---|---|---|---|
| | **System Monitoring Compounds** | | | |
| 4) S | 2-Bromonaphthalene (S... | 8.010 | 5315856 | 46.909 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 93.82% |
| 6) S | 2-Flurobiphenyl (SURR) | 8.886 | 3581574 | 50.217 ug/ml |
| Spiked Amount | 50.000 Range | 0 - 131 | Recovery = | 100.43% |
| 11) S | ortho-Terphenyl (SURR) | 11.953 | 5071986 | 34.538 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 69.08% |
| | **Target Compounds** | | | |
| 1) T | 1,2,3-Trimethylbenzen... | 4.602 | 3538094 | 26.878 ug/ml |
| 2) T | Naphthalene (C11.7) | 6.279 | 3805926 | 28.769 ug/ml |
| 3) T | 2-Methylnaphthalene (... | 7.379 | 3552121 | 26.721 ug/ml |
| 5) T | Acenaphthylene (C15.06) | 8.685 | 4214312 | 31.193 ug/ml |
| 7) T | Acenaphthene (C15.5) | 8.985 | 4347782 | 31.629 ug/ml |
| 8) T | Flouorene (C16.55) | 9.775 | 4520461 | 34.722 ug/ml |
| 9) T | Phenanthrene (C19.36) | 11.183 | 4707887 | 35.604 ug/ml |
| 10) T | Anthracene (C19.43) | 11.259 | 4841231 | 35.726 ug/ml |
| 12) T | Fluoranthene (C21.85) | 13.009 | 4824625 | 35.155 ug/ml |
| 13) T | Pyrene (C20.8) | 13.308 | 4732819 | 34.535 ug/ml |
| 14) T | Benzo[a]anthracene (C... | 15.194 | 4349566 | 38.191 ug/ml |
| 15) T | Chrysene (C27.41) | 15.238 | 5311265 | 37.638 ug/ml |
| 16) T | benzo[b]fluoranthene ... | 16.759 | 4363504 | 39.262 ug/ml |
| 17) T | Bnezo[k]fluoranthene ... | 16.792 | 4505349 | 36.885 ug/ml |
| 18) T | Benzo[a]pyrene (C31.34) | 17.140 | 4272748 | 38.932 ug/ml |
| 19) T | Indeno[1,2,3-cd]pyren... | 18.520 | 4456686 | 51.791 ug/ml |
| 20) T | Dibenz[a,h]anthracene... | 18.557 | 4682768 | 35.558 ug/ml |
| 21) T | Benzo[g,h,i]perylene ... | 18.777 | 4665573 | 44.026 ug/ml |

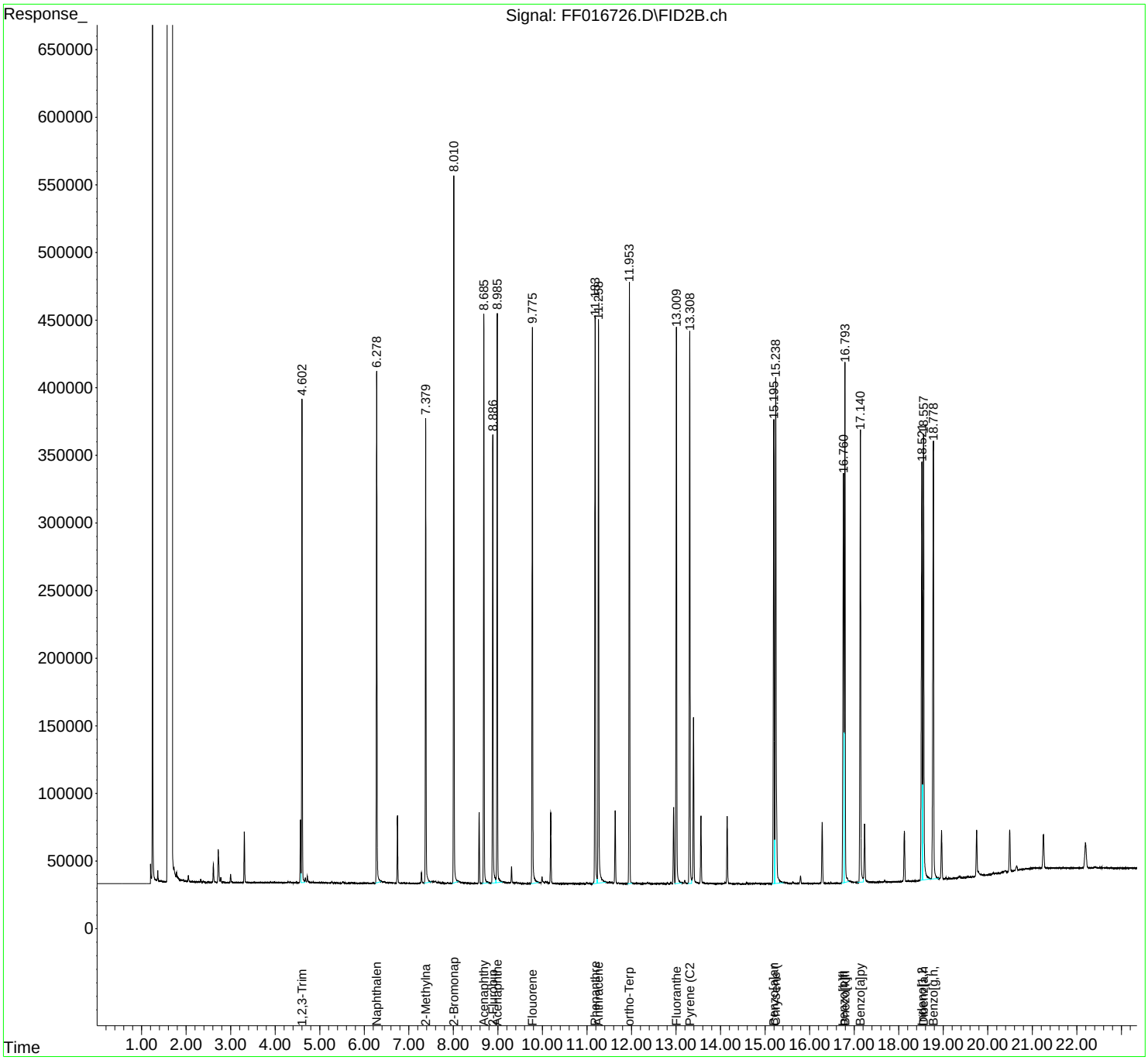
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016726.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 19:59
Operator : YP\AJ
Sample : Q3586-03MS
Misc :
ALS Vial : 80 Sample Multiplier: 1

**Instrument :**
FID_F
**ClientSampleId :**
SED-3MS

Integration File: autoint1.e
Quant Time: Nov 18 00:37:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm



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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016726.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 19:59
Sample : Q3586-03MS
Misc :
ALS Vial : 80 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Title : GC Extractables

Signal : FID2B.ch

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|
| 1 | 4.478 | 4.446 | 4.499 | VV | 315 | 3762 | 0.07% | 0.004% |
| 2 | 4.511 | 4.499 | 4.527 | PV | 138 | 1365 | 0.03% | 0.001% |
| 3 | 4.567 | 4.527 | 4.582 | VV | 46586 | 453117 | 8.41% | 0.431% |
| 4 | 4.602 | 4.582 | 4.659 | VV | 358459 | 3548655 | 65.84% | 3.372% |
| 5 | 4.676 | 4.659 | 4.701 | VV | 3805 | 50884 | 0.94% | 0.048% |
| 6 | 4.721 | 4.701 | 4.753 | VV | 5217 | 68376 | 1.27% | 0.065% |
| 7 | 4.757 | 4.753 | 4.777 | VV | 781 | 8513 | 0.16% | 0.008% |
| 8 | 4.789 | 4.777 | 4.802 | VV | 419 | 5462 | 0.10% | 0.005% |
| 9 | 4.819 | 4.802 | 4.837 | VV | 546 | 7557 | 0.14% | 0.007% |
| 10 | 4.852 | 4.837 | 4.874 | VV | 726 | 10114 | 0.19% | 0.010% |
| 11 | 4.877 | 4.874 | 4.883 | VV | 242 | 1330 | 0.02% | 0.001% |
| 12 | 4.889 | 4.883 | 4.901 | VV | 290 | 2583 | 0.05% | 0.002% |
| 13 | 4.912 | 4.901 | 4.946 | VV | 288 | 5857 | 0.11% | 0.006% |
| 14 | 4.951 | 4.946 | 4.954 | VV | 250 | 1103 | 0.02% | 0.001% |
| 15 | 4.984 | 4.954 | 5.016 | VV | 360 | 8591 | 0.16% | 0.008% |
| 16 | 5.030 | 5.016 | 5.034 | VV | 269 | 2319 | 0.04% | 0.002% |
| 17 | 5.039 | 5.034 | 5.051 | VV | 266 | 2277 | 0.04% | 0.002% |
| 18 | 5.065 | 5.051 | 5.092 | VV | 346 | 6417 | 0.12% | 0.006% |
| 19 | 5.096 | 5.092 | 5.146 | VV | 217 | 4950 | 0.09% | 0.005% |
| 20 | 5.150 | 5.146 | 5.171 | VV | 268 | 2307 | 0.04% | 0.002% |
| 21 | 5.179 | 5.171 | 5.196 | VV | 268 | 2426 | 0.05% | 0.002% |
| 22 | 5.212 | 5.208 | 5.232 | VV | 145 | 1341 | 0.02% | 0.001% |
| 23 | 5.248 | 5.232 | 5.254 | VV | 292 | 3089 | 0.06% | 0.003% |
| 24 | 5.272 | 5.254 | 5.309 | VV | 1289 | 17999 | 0.33% | 0.017% |
| 25 | 5.329 | 5.309 | 5.352 | VV | 353 | 5785 | 0.11% | 0.005% |
| 26 | 5.360 | 5.352 | 5.373 | VV | 233 | 2137 | 0.04% | 0.002% |
| 27 | 5.390 | 5.373 | 5.409 | VV | 306 | 3701 | 0.07% | 0.004% |
| 28 | 5.414 | 5.409 | 5.431 | VV | 125 | 1166 | 0.02% | 0.001% |
| 29 | 5.442 | 5.431 | 5.494 | VV | 145 | 3313 | 0.06% | 0.003% |
| 30 | 5.516 | 5.494 | 5.554 | PV | 1186 | 19446 | 0.36% | 0.018% |
| 31 | 5.558 | 5.554 | 5.561 | VV | 276 | 1008 | 0.02% | 0.001% |
| 32 | 5.564 | 5.561 | 5.568 | VV | 308 | 1140 | 0.02% | 0.001% |
| 33 | 5.571 | 5.568 | 5.620 | VV | 340 | 5730 | 0.11% | 0.005% |
| 34 | 5.653 | 5.637 | 5.661 | VV | 181 | 1529 | 0.03% | 0.001% |
| 35 | 5.671 | 5.661 | 5.690 | VV | 218 | 2603 | 0.05% | 0.002% |
| 36 | 5.709 | 5.690 | 5.729 | VV | 510 | 7169 | 0.13% | 0.007% |

rteres

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 37 | 5.754 | 5.729 | 5.777 | VV | 496 | 8510 | 0.16% | 0.008% |
| 38 | 5.782 | 5.777 | 5.801 | VV | 101 | 1267 | 0.02% | 0.001% |
| 39 | 5.811 | 5.801 | 5.841 | VV | 143 | 2120 | 0.04% | 0.002% |
| 40 | 5.904 | 5.841 | 5.927 | PV | 238 | 5543 | 0.10% | 0.005% |
| 41 | 5.954 | 5.941 | 5.969 | PV | 121 | 1383 | 0.03% | 0.001% |
| 42 | 5.976 | 5.969 | 5.987 | VV | 170 | 1214 | 0.02% | 0.001% |
| 43 | 6.023 | 5.987 | 6.041 | VV | 273 | 5524 | 0.10% | 0.005% |
| 44 | 6.059 | 6.041 | 6.072 | VV | 255 | 3151 | 0.06% | 0.003% |
| 45 | 6.080 | 6.072 | 6.122 | VV | 253 | 4480 | 0.08% | 0.004% |
| 46 | 6.136 | 6.130 | 6.163 | VV | 184 | 2408 | 0.04% | 0.002% |
| 47 | 6.196 | 6.163 | 6.237 | VV | 642 | 10730 | 0.20% | 0.010% |
| 48 | 6.243 | 6.237 | 6.249 | VV | 232 | 1472 | 0.03% | 0.001% |
| 49 | 6.279 | 6.249 | 6.377 | VV | 378524 | 3867840 | 71.76% | 3.675% |
| 50 | 6.387 | 6.377 | 6.423 | VV | 1786 | 36914 | 0.68% | 0.035% |
| 51 | 6.430 | 6.423 | 6.436 | VV | 900 | 6728 | 0.12% | 0.006% |
| 52 | 6.456 | 6.436 | 6.494 | VV | 1586 | 33926 | 0.63% | 0.032% |
| 53 | 6.499 | 6.494 | 6.503 | VV | 615 | 3055 | 0.06% | 0.003% |
| 54 | 6.506 | 6.503 | 6.517 | VV | 615 | 5121 | 0.10% | 0.005% |
| 55 | 6.525 | 6.517 | 6.555 | VV | 677 | 13283 | 0.25% | 0.013% |
| 56 | 6.561 | 6.555 | 6.575 | VV | 563 | 5651 | 0.10% | 0.005% |
| 57 | 6.584 | 6.575 | 6.611 | VV | 580 | 10519 | 0.20% | 0.010% |
| 58 | 6.615 | 6.611 | 6.634 | VV | 451 | 5645 | 0.10% | 0.005% |
| 59 | 6.640 | 6.634 | 6.660 | VV | 427 | 5432 | 0.10% | 0.005% |
| 60 | 6.665 | 6.660 | 6.678 | VV | 360 | 3295 | 0.06% | 0.003% |
| 61 | 6.681 | 6.678 | 6.715 | VV | 354 | 5565 | 0.10% | 0.005% |
| 62 | 6.745 | 6.715 | 6.812 | VV | 50411 | 519378 | 9.64% | 0.493% |
| 63 | 6.830 | 6.812 | 6.845 | VV | 525 | 7976 | 0.15% | 0.008% |
| 64 | 6.866 | 6.845 | 6.883 | VV | 443 | 8119 | 0.15% | 0.008% |
| 65 | 6.899 | 6.883 | 6.919 | VV | 681 | 9740 | 0.18% | 0.009% |
| 66 | 6.938 | 6.919 | 6.959 | VV | 362 | 6062 | 0.11% | 0.006% |
| 67 | 6.972 | 6.959 | 6.991 | VV | 546 | 6253 | 0.12% | 0.006% |
| 68 | 6.998 | 6.991 | 7.005 | VV | 211 | 1446 | 0.03% | 0.001% |
| 69 | 7.010 | 7.005 | 7.020 | VV | 205 | 1733 | 0.03% | 0.002% |
| 70 | 7.033 | 7.020 | 7.057 | VV | 311 | 4135 | 0.08% | 0.004% |
| 71 | 7.070 | 7.057 | 7.082 | VV | 173 | 2113 | 0.04% | 0.002% |
| 72 | 7.087 | 7.082 | 7.114 | VV | 221 | 2664 | 0.05% | 0.003% |
| 73 | 7.147 | 7.130 | 7.156 | VV | 204 | 2169 | 0.04% | 0.002% |
| 74 | 7.159 | 7.156 | 7.174 | VV | 195 | 1198 | 0.02% | 0.001% |
| 75 | 7.201 | 7.185 | 7.219 | PV | 349 | 3442 | 0.06% | 0.003% |
| 76 | 7.283 | 7.231 | 7.344 | VV | 8375 | 114833 | 2.13% | 0.109% |
| 77 | 7.379 | 7.344 | 7.489 | VV | 344027 | 3616505 | 67.09% | 3.436% |
| 78 | 7.493 | 7.489 | 7.502 | VV | 1417 | 10383 | 0.19% | 0.010% |
| 79 | 7.519 | 7.502 | 7.536 | VV | 1930 | 30404 | 0.56% | 0.029% |
| 80 | 7.552 | 7.536 | 7.564 | VV | 1793 | 24520 | 0.45% | 0.023% |
| 81 | 7.584 | 7.564 | 7.598 | VV | 1911 | 30810 | 0.57% | 0.029% |
| 82 | 7.606 | 7.598 | 7.641 | VV | 1612 | 27575 | 0.51% | 0.026% |
| 83 | 7.660 | 7.641 | 7.685 | VV | 1287 | 23757 | 0.44% | 0.023% |
| 84 | 7.695 | 7.685 | 7.727 | VV | 868 | 16012 | 0.30% | 0.015% |
| 85 | 7.731 | 7.727 | 7.737 | VV | 532 | 2837 | 0.05% | 0.003% |
| 86 | 7.759 | 7.737 | 7.765 | VV | 723 | 9845 | 0.18% | 0.009% |
| 87 | 7.770 | 7.765 | 7.815 | VV | 644 | 13815 | 0.26% | 0.013% |
| 88 | 7.867 | 7.815 | 7.890 | VV | 729 | 16599 | 0.31% | 0.016% |
| 89 | 7.911 | 7.890 | 7.941 | VV | 324 | 8683 | 0.16% | 0.008% |

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|---|---|---|---|---|---|---|---|---|
| 90 | 7.963 | 7.941 | 7.978 | VV | 487 | 6560 | 0.12% | 0.006% |
| 91 | 8.010 | 7.978 | 8.112 | VV | 524037 | 5390152 | 100.00% | 5.121% |
| 92 | 8.122 | 8.112 | 8.216 | VV | 1785 | 69219 | 1.28% | 0.066% |
| 93 | 8.223 | 8.216 | 8.247 | VV | 705 | 11645 | 0.22% | 0.011% |
| 94 | 8.252 | 8.247 | 8.259 | VV | 561 | 3506 | 0.07% | 0.003% |
| 95 | 8.273 | 8.259 | 8.309 | VV | 688 | 16027 | 0.30% | 0.015% |
| 96 | 8.326 | 8.309 | 8.356 | VV | 668 | 13462 | 0.25% | 0.013% |
| 97 | 8.361 | 8.356 | 8.381 | VV | 384 | 4742 | 0.09% | 0.005% |
| 98 | 8.400 | 8.381 | 8.454 | VV | 375 | 10368 | 0.19% | 0.010% |
| 99 | 8.481 | 8.454 | 8.499 | VV | 536 | 8821 | 0.16% | 0.008% |
| 100 | 8.503 | 8.499 | 8.508 | VV | 311 | 1476 | 0.03% | 0.001% |
| 101 | 8.511 | 8.508 | 8.524 | VV | 278 | 1970 | 0.04% | 0.002% |
| 102 | 8.529 | 8.524 | 8.545 | VV | 217 | 2082 | 0.04% | 0.002% |
| 103 | 8.579 | 8.545 | 8.651 | VV | 52646 | 545449 | 10.12% | 0.518% |
| 104 | 8.685 | 8.651 | 8.800 | VV | 421778 | 4261903 | 79.07% | 4.049% |
| 105 | 8.811 | 8.800 | 8.853 | VV | 847 | 18252 | 0.34% | 0.017% |
| 106 | 8.886 | 8.853 | 8.955 | VV | 331420 | 3616461 | 67.09% | 3.436% |
| 107 | 8.985 | 8.955 | 9.106 | VV | 422386 | 4444152 | 82.45% | 4.223% |
| 108 | 9.110 | 9.106 | 9.115 | VV | 1441 | 7682 | 0.14% | 0.007% |
| 109 | 9.118 | 9.115 | 9.168 | VV | 1431 | 36727 | 0.68% | 0.035% |
| 110 | 9.173 | 9.168 | 9.176 | VV | 923 | 3931 | 0.07% | 0.004% |
| 111 | 9.183 | 9.176 | 9.223 | VV | 917 | 21797 | 0.40% | 0.021% |
| 112 | 9.237 | 9.223 | 9.251 | VV | 785 | 11668 | 0.22% | 0.011% |
| 113 | 9.255 | 9.251 | 9.259 | VV | 686 | 3199 | 0.06% | 0.003% |
| 114 | 9.275 | 9.259 | 9.282 | VV | 844 | 10411 | 0.19% | 0.010% |
| 115 | 9.308 | 9.282 | 9.372 | VV | 12813 | 158045 | 2.93% | 0.150% |
| 116 | 9.389 | 9.372 | 9.398 | VV | 830 | 11298 | 0.21% | 0.011% |
| 117 | 9.423 | 9.398 | 9.444 | VV | 1040 | 22440 | 0.42% | 0.021% |
| 118 | 9.446 | 9.444 | 9.452 | VV | 591 | 2741 | 0.05% | 0.003% |
| 119 | 9.462 | 9.452 | 9.479 | VV | 650 | 8720 | 0.16% | 0.008% |
| 120 | 9.482 | 9.479 | 9.486 | VV | 419 | 1644 | 0.03% | 0.002% |
| 121 | 9.495 | 9.486 | 9.526 | VV | 499 | 7567 | 0.14% | 0.007% |
| 122 | 9.547 | 9.526 | 9.583 | VV | 323 | 7330 | 0.14% | 0.007% |
| 123 | 9.596 | 9.583 | 9.623 | VV | 309 | 5236 | 0.10% | 0.005% |
| 124 | 9.627 | 9.623 | 9.635 | VV | 239 | 1222 | 0.02% | 0.001% |
| 125 | 9.648 | 9.635 | 9.677 | VV | 214 | 3283 | 0.06% | 0.003% |
| 126 | 9.686 | 9.677 | 9.702 | VV | 159 | 2201 | 0.04% | 0.002% |
| 127 | 9.704 | 9.702 | 9.739 | VV | 348 | 2461 | 0.05% | 0.002% |
| 128 | 9.775 | 9.739 | 9.957 | VV | 412292 | 4604989 | 85.43% | 4.375% |
| 129 | 9.992 | 9.957 | 10.016 | VV | 5241 | 81997 | 1.52% | 0.078% |
| 130 | 10.020 | 10.016 | 10.045 | VV | 1593 | 20143 | 0.37% | 0.019% |
| 131 | 10.067 | 10.045 | 10.097 | VV | 1947 | 40735 | 0.76% | 0.039% |
| 132 | 10.103 | 10.097 | 10.157 | VV | 1170 | 27409 | 0.51% | 0.026% |
| 133 | 10.187 | 10.157 | 10.249 | VV | 52729 | 604009 | 11.21% | 0.574% |
| 134 | 10.258 | 10.249 | 10.328 | VV | 437 | 13022 | 0.24% | 0.012% |
| 135 | 10.333 | 10.328 | 10.342 | VV | 211 | 1556 | 0.03% | 0.001% |
| 136 | 10.348 | 10.342 | 10.354 | VV | 230 | 1450 | 0.03% | 0.001% |
| 137 | 10.359 | 10.354 | 10.371 | VV | 217 | 1943 | 0.04% | 0.002% |
| 138 | 10.375 | 10.371 | 10.392 | VV | 246 | 1771 | 0.03% | 0.002% |
| 139 | 10.420 | 10.392 | 10.429 | VV | 250 | 3696 | 0.07% | 0.004% |
| 140 | 10.434 | 10.429 | 10.451 | VV | 159 | 1074 | 0.02% | 0.001% |
| 141 | 10.468 | 10.451 | 10.502 | VV | 332 | 6253 | 0.12% | 0.006% |

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|---|---|---|---|---|---|---|---|---|
| 142 | 10.511 | 10.502 | 10.550 | VV | 283 | 5627 | 0.10% | 0.005% |
| 143 | 10.563 | 10.550 | 10.567 | VV | 215 | 1582 | 0.03% | 0.002% |
| 144 | 10.581 | 10.567 | 10.600 | VV | 265 | 4192 | 0.08% | 0.004% |
| 145 | 10.615 | 10.600 | 10.656 | VV | 320 | 6053 | 0.11% | 0.006% |
| 146 | 10.673 | 10.656 | 10.691 | VV | 202 | 2538 | 0.05% | 0.002% |
| 147 | 10.709 | 10.691 | 10.734 | VV | 327 | 4965 | 0.09% | 0.005% |
| 148 | 10.749 | 10.734 | 10.769 | VV | 188 | 2838 | 0.05% | 0.003% |
| 149 | 10.792 | 10.769 | 10.802 | VV | 230 | 2921 | 0.05% | 0.003% |
| 150 | 10.813 | 10.802 | 10.840 | VV | 302 | 4661 | 0.09% | 0.004% |
| 151 | 10.883 | 10.840 | 10.899 | VV | 293 | 6963 | 0.13% | 0.007% |
| 152 | 10.903 | 10.899 | 10.911 | VV | 281 | 1607 | 0.03% | 0.002% |
| 153 | 10.928 | 10.911 | 10.962 | VV | 315 | 5587 | 0.10% | 0.005% |
| 154 | 10.995 | 10.962 | 11.042 | PV | 1025 | 24876 | 0.46% | 0.024% |
| 155 | 11.059 | 11.042 | 11.094 | VV | 502 | 8304 | 0.15% | 0.008% |
| 156 | 11.116 | 11.110 | 11.132 | VV | 188 | 1881 | 0.03% | 0.002% |
| 157 | 11.183 | 11.132 | 11.229 | VV | 420729 | 4729111 | 87.74% | 4.493% |
| 158 | 11.259 | 11.229 | 11.424 | VV | 417532 | 4949149 | 91.82% | 4.702% |
| 159 | 11.436 | 11.424 | 11.481 | VV | 1485 | 38530 | 0.71% | 0.037% |
| 160 | 11.504 | 11.481 | 11.544 | VV | 1390 | 43742 | 0.81% | 0.042% |
| 161 | 11.564 | 11.544 | 11.599 | VV | 1509 | 33190 | 0.62% | 0.032% |
| 162 | 11.634 | 11.599 | 11.693 | VV | 54197 | 651691 | 12.09% | 0.619% |
| 163 | 11.712 | 11.693 | 11.758 | VV | 749 | 20410 | 0.38% | 0.019% |
| 164 | 11.768 | 11.758 | 11.779 | VV | 347 | 3809 | 0.07% | 0.004% |
| 165 | 11.790 | 11.779 | 11.811 | VV | 339 | 5314 | 0.10% | 0.005% |
| 166 | 11.831 | 11.811 | 11.843 | VV | 306 | 4512 | 0.08% | 0.004% |
| 167 | 11.848 | 11.843 | 11.859 | VV | 208 | 1813 | 0.03% | 0.002% |
| 168 | 11.865 | 11.859 | 11.889 | VV | 234 | 2610 | 0.05% | 0.002% |
| 169 | 11.895 | 11.889 | 11.912 | VV | 143 | 1422 | 0.03% | 0.001% |
| 170 | 11.953 | 11.912 | 12.011 | VV | 442741 | 5090771 | 94.45% | 4.837% |
| 171 | 12.014 | 12.011 | 12.041 | VV | 662 | 10449 | 0.19% | 0.010% |
| 172 | 12.047 | 12.041 | 12.071 | VV | 552 | 7202 | 0.13% | 0.007% |
| 173 | 12.114 | 12.071 | 12.130 | VV | 714 | 16731 | 0.31% | 0.016% |
| 174 | 12.141 | 12.130 | 12.166 | VV | 373 | 6689 | 0.12% | 0.006% |
| 175 | 12.174 | 12.166 | 12.194 | VV | 290 | 4157 | 0.08% | 0.004% |
| 176 | 12.204 | 12.201 | 12.222 | VV | 227 | 1857 | 0.03% | 0.002% |
| 177 | 12.229 | 12.222 | 12.258 | VV | 238 | 3927 | 0.07% | 0.004% |
| 178 | 12.270 | 12.258 | 12.276 | VV | 268 | 2292 | 0.04% | 0.002% |
| 179 | 12.297 | 12.276 | 12.323 | VV | 460 | 9647 | 0.18% | 0.009% |
| 180 | 12.327 | 12.323 | 12.332 | VV | 273 | 1320 | 0.02% | 0.001% |
| 181 | 12.358 | 12.332 | 12.378 | VV | 1229 | 17193 | 0.32% | 0.016% |
| 182 | 12.397 | 12.378 | 12.431 | VV | 808 | 12594 | 0.23% | 0.012% |
| 183 | 12.441 | 12.431 | 12.461 | VV | 180 | 2695 | 0.05% | 0.003% |
| 184 | 12.469 | 12.461 | 12.483 | VV | 198 | 1558 | 0.03% | 0.001% |
| 185 | 12.513 | 12.483 | 12.536 | VV | 272 | 5513 | 0.10% | 0.005% |
| 186 | 12.537 | 12.536 | 12.556 | VV | 204 | 1442 | 0.03% | 0.001% |
| 187 | 12.571 | 12.556 | 12.577 | VV | 256 | 2315 | 0.04% | 0.002% |
| 188 | 12.583 | 12.577 | 12.608 | VV | 317 | 3908 | 0.07% | 0.004% |
| 189 | 12.630 | 12.617 | 12.644 | VV | 305 | 3561 | 0.07% | 0.003% |
| 190 | 12.661 | 12.644 | 12.672 | VV | 530 | 6054 | 0.11% | 0.006% |
| 191 | 12.684 | 12.672 | 12.700 | VV | 346 | 4387 | 0.08% | 0.004% |
| 192 | 12.733 | 12.700 | 12.745 | VV | 291 | 5833 | 0.11% | 0.006% |
| 193 | 12.771 | 12.753 | 12.782 | VV | 289 | 4254 | 0.08% | 0.004% |
| 194 | 12.809 | 12.782 | 12.841 | VV | 975 | 15414 | 0.29% | 0.015% |

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|---|---|---|---|---|---|---|---|---|
| 195 | 12.883 | 12.841 | 12.910 | VV | 1268 | 21114 | 0.39% | 0.020% |
| 196 | 12.946 | 12.910 | 12.975 | VV | 56587 | 668160 | 12.40% | 0.635% |
| 197 | 13.009 | 12.975 | 13.142 | VV | 412038 | 4874637 | 90.44% | 4.632% |
| 198 | 13.150 | 13.142 | 13.167 | VV | 790 | 10569 | 0.20% | 0.010% |
| 199 | 13.195 | 13.167 | 13.253 | VV | 2619 | 51460 | 0.95% | 0.049% |
| 200 | 13.258 | 13.253 | 13.269 | VV | 415 | 3616 | 0.07% | 0.003% |
| 201 | 13.308 | 13.269 | 13.351 | VV | 410377 | 4754373 | 88.20% | 4.517% |
| 202 | 13.393 | 13.351 | 13.524 | VV | 123258 | 1614833 | 29.96% | 1.534% |
| 203 | 13.560 | 13.524 | 13.602 | VV | 50412 | 637964 | 11.84% | 0.606% |
| 204 | 13.614 | 13.602 | 13.671 | VV | 1176 | 27252 | 0.51% | 0.026% |
| 205 | 13.684 | 13.671 | 13.731 | VV | 354 | 11259 | 0.21% | 0.011% |
| 206 | 13.738 | 13.731 | 13.744 | VV | 336 | 2225 | 0.04% | 0.002% |
| 207 | 13.753 | 13.744 | 13.761 | VV | 394 | 3472 | 0.06% | 0.003% |
| 208 | 13.765 | 13.761 | 13.769 | VV | 385 | 1924 | 0.04% | 0.002% |
| 209 | 13.779 | 13.769 | 13.803 | VV | 419 | 6793 | 0.13% | 0.006% |
| 210 | 13.809 | 13.803 | 13.832 | VV | 344 | 4849 | 0.09% | 0.005% |
| 211 | 13.838 | 13.832 | 13.844 | VV | 353 | 2246 | 0.04% | 0.002% |
| 212 | 13.850 | 13.844 | 13.868 | VV | 333 | 3678 | 0.07% | 0.003% |
| 213 | 13.874 | 13.868 | 13.884 | VV | 186 | 1526 | 0.03% | 0.001% |
| 214 | 13.896 | 13.884 | 13.907 | VV | 249 | 2635 | 0.05% | 0.003% |
| 215 | 13.912 | 13.907 | 13.923 | VV | 209 | 1591 | 0.03% | 0.002% |
| 216 | 13.944 | 13.932 | 13.951 | VV | 248 | 2135 | 0.04% | 0.002% |
| 217 | 13.971 | 13.951 | 14.004 | VV | 314 | 7970 | 0.15% | 0.008% |
| 218 | 14.016 | 14.004 | 14.049 | VV | 314 | 5387 | 0.10% | 0.005% |
| 219 | 14.098 | 14.064 | 14.117 | VV | 1271 | 19158 | 0.36% | 0.018% |
| 220 | 14.148 | 14.117 | 14.231 | VV | 50016 | 633282 | 11.75% | 0.602% |
| 221 | 14.264 | 14.231 | 14.319 | VV | 284 | 9016 | 0.17% | 0.009% |
| 222 | 14.326 | 14.319 | 14.344 | VV | 176 | 1880 | 0.03% | 0.002% |
| 223 | 14.353 | 14.344 | 14.374 | VV | 180 | 2575 | 0.05% | 0.002% |
| 224 | 14.381 | 14.374 | 14.404 | VV | 151 | 2564 | 0.05% | 0.002% |
| 225 | 14.407 | 14.404 | 14.424 | VV | 224 | 1562 | 0.03% | 0.001% |
| 226 | 14.431 | 14.424 | 14.466 | VV | 132 | 2121 | 0.04% | 0.002% |
| 227 | 14.473 | 14.466 | 14.510 | VV | 133 | 1984 | 0.04% | 0.002% |
| 228 | 14.527 | 14.510 | 14.564 | PV | 98 | 1773 | 0.03% | 0.002% |
| 229 | 14.588 | 14.564 | 14.621 | VV | 1073 | 15981 | 0.30% | 0.015% |
| 230 | 14.628 | 14.621 | 14.645 | VV | 191 | 2091 | 0.04% | 0.002% |
| 231 | 14.653 | 14.645 | 14.668 | VV | 155 | 1750 | 0.03% | 0.002% |
| 232 | 14.675 | 14.668 | 14.689 | VV | 120 | 1374 | 0.03% | 0.001% |
| 233 | 14.713 | 14.689 | 14.736 | VV | 336 | 4691 | 0.09% | 0.004% |
| 234 | 14.751 | 14.736 | 14.767 | VV | 203 | 2679 | 0.05% | 0.003% |
| 235 | 14.787 | 14.767 | 14.837 | VV | 452 | 12039 | 0.22% | 0.011% |
| 236 | 14.872 | 14.837 | 14.904 | VV | 298 | 8605 | 0.16% | 0.008% |
| 237 | 14.918 | 14.904 | 14.959 | VV | 202 | 4753 | 0.09% | 0.005% |
| 238 | 14.975 | 14.959 | 14.992 | VV | 164 | 2678 | 0.05% | 0.003% |
| 239 | 15.052 | 14.992 | 15.086 | VV | 268 | 8425 | 0.16% | 0.008% |
| 240 | 15.095 | 15.086 | 15.131 | VV | 175 | 2980 | 0.06% | 0.003% |
| 241 | 15.194 | 15.131 | 15.214 | PV | 343387 | 4355674 | 80.81% | 4.139% |
| 242 | 15.238 | 15.214 | 15.371 | VV | 372775 | 5347022 | 99.20% | 5.080% |
| 243 | 15.373 | 15.371 | 15.409 | VV | 1574 | 24571 | 0.46% | 0.023% |
| 244 | 15.422 | 15.409 | 15.459 | VV | 950 | 24054 | 0.45% | 0.023% |
| 245 | 15.475 | 15.459 | 15.549 | VV | 864 | 26706 | 0.50% | 0.025% |
| 246 | 15.561 | 15.549 | 15.597 | VV | 491 | 8938 | 0.17% | 0.008% |

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|---|---|---|---|---|---|---|---|---|
| 247 | 15.625 | 15.597 | 15.666 | VV | 1256 | 23880 | 0.44% | 0.023% |
| 248 | 15.673 | 15.666 | 15.727 | VV | 295 | 7619 | 0.14% | 0.007% |
| 249 | 15.734 | 15.727 | 15.753 | VV | 208 | 2662 | 0.05% | 0.003% |
| 250 | 15.795 | 15.753 | 15.828 | VV | 5614 | 80864 | 1.50% | 0.077% |
| 251 | 15.837 | 15.828 | 15.879 | VV | 303 | 4320 | 0.08% | 0.004% |
| 252 | 15.906 | 15.879 | 15.939 | VV | 297 | 6142 | 0.11% | 0.006% |
| 253 | 15.959 | 15.939 | 15.979 | VV | 151 | 2985 | 0.06% | 0.003% |
| 254 | 15.986 | 15.979 | 16.021 | VV | 174 | 1928 | 0.04% | 0.002% |
| 255 | 16.100 | 16.021 | 16.126 | PV | 206 | 5592 | 0.10% | 0.005% |
| 256 | 16.145 | 16.126 | 16.159 | VV | 192 | 2676 | 0.05% | 0.003% |
| 257 | 16.168 | 16.159 | 16.194 | VV | 150 | 2071 | 0.04% | 0.002% |
| 258 | 16.282 | 16.194 | 16.331 | VV | 45382 | 596298 | 11.06% | 0.567% |
| 259 | 16.342 | 16.331 | 16.369 | VV | 283 | 3834 | 0.07% | 0.004% |
| 260 | 16.425 | 16.395 | 16.452 | VV | 151 | 2524 | 0.05% | 0.002% |
| 261 | 16.475 | 16.452 | 16.516 | VV | 508 | 7880 | 0.15% | 0.007% |
| 262 | 16.594 | 16.516 | 16.616 | PV | 137 | 4510 | 0.08% | 0.004% |
| 263 | 16.624 | 16.616 | 16.653 | VV | 132 | 1664 | 0.03% | 0.002% |
| 264 | 16.686 | 16.653 | 16.692 | PV | 97 | 1097 | 0.02% | 0.001% |
| 265 | 16.759 | 16.692 | 16.775 | VV | 302923 | 4372918 | 81.13% | 4.155% |
| 266 | 16.792 | 16.775 | 16.887 | VV | 383241 | 4562052 | 84.64% | 4.335% |
| 267 | 16.906 | 16.887 | 16.999 | VV | 1511 | 59471 | 1.10% | 0.057% |
| 268 | 17.016 | 16.999 | 17.059 | VV | 524 | 14411 | 0.27% | 0.014% |
| 269 | 17.070 | 17.059 | 17.097 | VV | 407 | 7302 | 0.14% | 0.007% |
| 270 | 17.140 | 17.097 | 17.206 | VV | 335918 | 4304062 | 79.85% | 4.090% |
| 271 | 17.235 | 17.206 | 17.401 | VV | 43427 | 671909 | 12.47% | 0.638% |
| 272 | 17.407 | 17.401 | 17.455 | VV | 231 | 5527 | 0.10% | 0.005% |
| 273 | 17.472 | 17.455 | 17.487 | VV | 155 | 2106 | 0.04% | 0.002% |
| 274 | 17.574 | 17.487 | 17.611 | PV | 287 | 11738 | 0.22% | 0.011% |
| 275 | 17.618 | 17.611 | 17.639 | VV | 153 | 1822 | 0.03% | 0.002% |
| 276 | 17.685 | 17.639 | 17.754 | VV | 1249 | 23605 | 0.44% | 0.022% |
| 277 | 17.784 | 17.754 | 17.809 | VV | 202 | 4582 | 0.09% | 0.004% |
| 278 | 17.817 | 17.809 | 17.837 | VV | 123 | 1412 | 0.03% | 0.001% |
| 279 | 17.875 | 17.837 | 17.884 | VV | 122 | 2840 | 0.05% | 0.003% |
| 280 | 17.904 | 17.884 | 17.933 | VV | 181 | 2794 | 0.05% | 0.003% |
| 281 | 18.016 | 17.933 | 18.049 | PV | 267 | 9873 | 0.18% | 0.009% |
| 282 | 18.127 | 18.049 | 18.166 | PV | 37295 | 539042 | 10.00% | 0.512% |
| 283 | 18.218 | 18.166 | 18.242 | VV | 537 | 10449 | 0.19% | 0.010% |
| 284 | 18.320 | 18.242 | 18.382 | VV | 234 | 9965 | 0.18% | 0.009% |
| 285 | 18.411 | 18.382 | 18.432 | PV | 242 | 3271 | 0.06% | 0.003% |
| 286 | 18.450 | 18.432 | 18.472 | PV | 230 | 2597 | 0.05% | 0.002% |
| 287 | 18.520 | 18.472 | 18.536 | PV | 310267 | 4466090 | 82.86% | 4.243% |
| 288 | 18.557 | 18.536 | 18.731 | VV | 329764 | 4704492 | 87.28% | 4.470% |
| 289 | 18.777 | 18.731 | 18.851 | PBA | 323254 | 4614148 | 85.60% | 4.384% |

Sum of corrected areas: 105246081

Aromatic EPH 102925.M Tue Nov 18 01:17:20 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
Data File : FG016960.D
Signal(s) : FID1A.ch
Acq On : 20 Nov 2025 14:56
Operator : YP\AJ
Sample : Q3586-03MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
SED-3MS

Integration File: autoint1.e
Quant Time: Nov 20 23:50:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 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 | | | |
| 12) S | 1-chlorooctadecane (S... | 13.480 | 6757299 | 56.108 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 112.22% |
| | Target Compounds | | | |
| 1) T | n-Nonane (C9) | 3.358 | 2349323 | 18.857 ug/ml |
| 2) T | n-Decane (C10) | 4.618 | 2856087 | 22.309 ug/ml |
| 4) T | n-Dodecane (C12) | 6.799 | 3223110 | 24.720 ug/ml |
| 6) T | n-Tetradecane (C14) | 8.639 | 3469697 | 27.159 ug/ml |
| 7) T | n-Hexadecane (C16) | 10.257 | 3970719 | 30.050 ug/ml |
| 8) T | n-Octadecane (C18) | 11.710 | 4356154 | 31.259 ug/ml |
| 10) T | n-Eicosane (C20) | 13.029 | 4575659 | 32.735 ug/ml |
| 11) T | n-Heneicosane (C21) | 13.646 | 4564393 | 32.830 ug/ml |
| 13) T | n-Docosane (C22) | 14.235 | 4568019 | 32.288 ug/ml |
| 14) T | n-Tetracosane (C24) | 15.346 | 4523095 | 30.763 ug/ml |
| 15) T | n-Hexacosane (C26) | 16.374 | 4385256 | 29.891 ug/ml |
| 16) T | n-Octacosane (C28) | 17.330 | 4211681 | 28.610 ug/ml |
| 17) T | n-Tricontane (C30) | 18.223 | 3962378 | 26.186 ug/ml |
| 18) T | n-Dotriacontane (C32) | 19.060 | 3773323 | 25.598 ug/ml |
| 19) T | n-Tetratriacontane (C34) | 19.849 | 3572245 | 27.721 ug/ml |
| 20) T | n-Hexatriacontane (C36) | 20.593 | 3332671 | 32.198 ug/ml |
| 21) T | n-Octatriacontane (C38) | 21.368 | 3219488 | 36.518 ug/ml |
| 22) T | n-Tetracontane (C40) | 22.346 | 3074311 | 39.263 ug/ml |

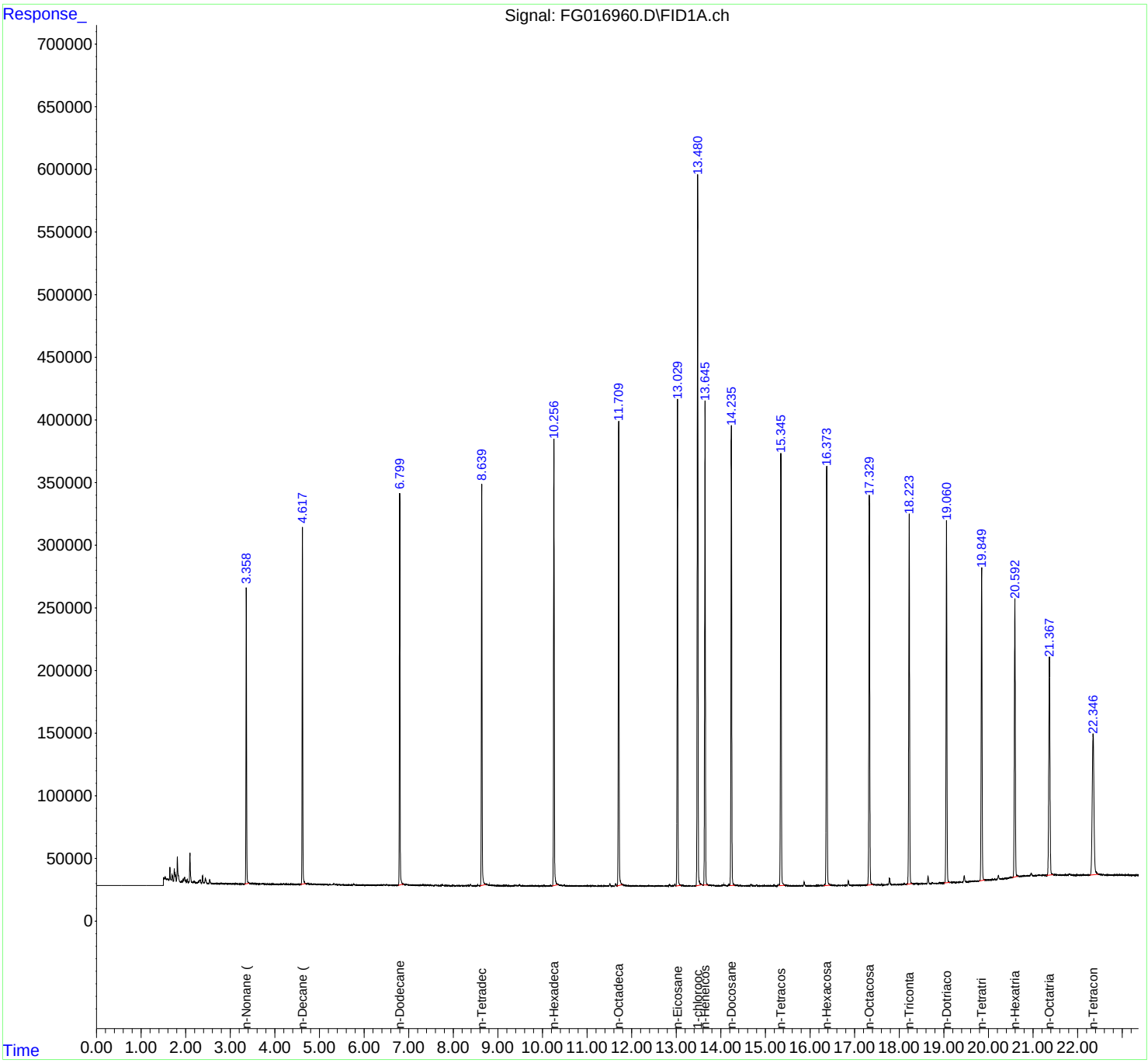
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
Data File : FG016960.D
Signal(s) : FID1A.ch
Acq On : 20 Nov 2025 14:56
Operator : YP\AJ
Sample : Q3586-03MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
SED-3MS

Integration File: autoint1.e
Quant Time: Nov 20 23:50:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 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_G\Data\FG112025AL\
Data File : FG016960.D
Signal(s) : FID1A.ch
Acq On : 20 Nov 2025 14:56
Sample : Q3586-03MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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 | 3.289 | 3.238 | 3.324 | BV | 23 | -463 | -0.01% | -0.001% |
| 2 | 3.358 | 3.324 | 3.523 | PV | 236223 | 2396405 | 35.06% | 3.013% |
| 3 | 3.530 | 3.523 | 3.555 | VV | 271 | 4778 | 0.07% | 0.006% |
| 4 | 3.573 | 3.555 | 3.589 | VV | 268 | 4392 | 0.06% | 0.006% |
| 5 | 3.602 | 3.589 | 3.622 | VV | 266 | 4462 | 0.07% | 0.006% |
| 6 | 3.640 | 3.622 | 3.661 | VV | 266 | 4235 | 0.06% | 0.005% |
| 7 | 3.672 | 3.661 | 3.713 | VV | 282 | 6433 | 0.09% | 0.008% |
| 8 | 3.735 | 3.713 | 3.790 | VV | 245 | 7573 | 0.11% | 0.010% |
| 9 | 3.810 | 3.790 | 3.838 | VV | 186 | 3122 | 0.05% | 0.004% |
| 10 | 3.850 | 3.838 | 3.865 | VV | 159 | 1456 | 0.02% | 0.002% |
| 11 | 3.880 | 3.865 | 3.893 | VV | 100 | 1370 | 0.02% | 0.002% |
| 12 | 3.905 | 3.893 | 3.922 | VV | 63 | 865 | 0.01% | 0.001% |
| 13 | 3.931 | 3.922 | 3.941 | VV | 65 | 447 | 0.01% | 0.001% |
| 14 | 3.954 | 3.941 | 3.968 | VV | 140 | 1796 | 0.03% | 0.002% |
| 15 | 3.970 | 3.968 | 4.012 | VV | 109 | 1575 | 0.02% | 0.002% |
| 16 | 4.019 | 4.012 | 4.033 | VV | 71 | 811 | 0.01% | 0.001% |
| 17 | 4.049 | 4.033 | 4.068 | VV | 142 | 2221 | 0.03% | 0.003% |
| 18 | 4.074 | 4.068 | 4.132 | VV | 161 | 2860 | 0.04% | 0.004% |
| 19 | 4.157 | 4.132 | 4.174 | VV | 260 | 3465 | 0.05% | 0.004% |
| 20 | 4.191 | 4.174 | 4.210 | VV | 389 | 4499 | 0.07% | 0.006% |
| 21 | 4.226 | 4.210 | 4.245 | VV | 124 | 1811 | 0.03% | 0.002% |
| 22 | 4.266 | 4.245 | 4.315 | VV | 336 | 4929 | 0.07% | 0.006% |
| 23 | 4.362 | 4.315 | 4.381 | VV | 359 | 6822 | 0.10% | 0.009% |
| 24 | 4.387 | 4.381 | 4.408 | VV | 189 | 2222 | 0.03% | 0.003% |
| 25 | 4.412 | 4.408 | 4.455 | VV | 193 | 2905 | 0.04% | 0.004% |
| 26 | 4.458 | 4.455 | 4.482 | VV | 164 | 1615 | 0.02% | 0.002% |
| 27 | 4.529 | 4.482 | 4.545 | VV | 452 | 7714 | 0.11% | 0.010% |
| 28 | 4.561 | 4.545 | 4.583 | VV | 212 | 3211 | 0.05% | 0.004% |
| 29 | 4.618 | 4.583 | 4.717 | VV | 284677 | 2901583 | 42.45% | 3.649% |
| 30 | 4.734 | 4.717 | 4.780 | VV | 750 | 21301 | 0.31% | 0.027% |
| 31 | 4.807 | 4.780 | 4.856 | VV | 635 | 20600 | 0.30% | 0.026% |

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|---|---|---|---|---|---|---|---|---|
| 32 | 4.872 | 4.856 | 4.886 | VV | 473 | 7364 | 0.11% | 0.009% |
| 33 | 4.905 | 4.886 | 4.923 | VV | 699 | 10314 | 0.15% | 0.013% |
| 34 | 4.930 | 4.923 | 4.945 | VV | 328 | 4062 | 0.06% | 0.005% |
| 35 | 4.954 | 4.945 | 5.021 | VV | 351 | 13649 | 0.20% | 0.017% |
| 36 | 5.037 | 5.021 | 5.091 | VV | 383 | 12027 | 0.18% | 0.015% |
| 37 | 5.106 | 5.091 | 5.193 | VV | 280 | 12727 | 0.19% | 0.016% |
| 38 | 5.207 | 5.193 | 5.274 | VV | 238 | 7431 | 0.11% | 0.009% |
| 39 | 5.324 | 5.274 | 5.353 | VV | 1049 | 18504 | 0.27% | 0.023% |
| 40 | 5.384 | 5.353 | 5.419 | VV | 450 | 8842 | 0.13% | 0.011% |
| 41 | 5.440 | 5.419 | 5.468 | VV | 250 | 4730 | 0.07% | 0.006% |
| 42 | 5.474 | 5.468 | 5.488 | VV | 100 | 1123 | 0.02% | 0.001% |
| 43 | 5.499 | 5.488 | 5.511 | VV | 151 | 1421 | 0.02% | 0.002% |
| 44 | 5.528 | 5.511 | 5.544 | VV | 153 | 2161 | 0.03% | 0.003% |
| 45 | 5.557 | 5.544 | 5.595 | VV | 115 | 2275 | 0.03% | 0.003% |
| 46 | 5.619 | 5.595 | 5.651 | VV | 123 | 2795 | 0.04% | 0.004% |
| 47 | 5.656 | 5.651 | 5.699 | VV | 121 | 2353 | 0.03% | 0.003% |
| 48 | 5.716 | 5.699 | 5.741 | VV | 131 | 2221 | 0.03% | 0.003% |
| 49 | 5.765 | 5.741 | 5.791 | VV | 865 | 12498 | 0.18% | 0.016% |
| 50 | 5.804 | 5.791 | 5.853 | VV | 426 | 7071 | 0.10% | 0.009% |
| 51 | 5.864 | 5.853 | 5.928 | VV | 162 | 5240 | 0.08% | 0.007% |
| 52 | 5.966 | 5.928 | 6.017 | VV | 252 | 7419 | 0.11% | 0.009% |
| 53 | 6.030 | 6.017 | 6.048 | VV | 153 | 1987 | 0.03% | 0.002% |
| 54 | 6.074 | 6.048 | 6.121 | VV | 232 | 4943 | 0.07% | 0.006% |
| 55 | 6.135 | 6.121 | 6.188 | VV | 201 | 4637 | 0.07% | 0.006% |
| 56 | 6.198 | 6.188 | 6.218 | VV | 152 | 1660 | 0.02% | 0.002% |
| 57 | 6.242 | 6.218 | 6.268 | PV | 270 | 3349 | 0.05% | 0.004% |
| 58 | 6.297 | 6.268 | 6.321 | VV | 226 | 3937 | 0.06% | 0.005% |
| 59 | 6.359 | 6.321 | 6.378 | VV | 435 | 8174 | 0.12% | 0.010% |
| 60 | 6.397 | 6.378 | 6.423 | VV | 451 | 6921 | 0.10% | 0.009% |
| 61 | 6.442 | 6.423 | 6.472 | VV | 761 | 11134 | 0.16% | 0.014% |
| 62 | 6.507 | 6.472 | 6.555 | VV | 902 | 13804 | 0.20% | 0.017% |
| 63 | 6.580 | 6.555 | 6.628 | VV | 211 | 6275 | 0.09% | 0.008% |
| 64 | 6.634 | 6.628 | 6.661 | VV | 147 | 1704 | 0.02% | 0.002% |
| 65 | 6.683 | 6.661 | 6.756 | VV | 149 | 5012 | 0.07% | 0.006% |
| 66 | 6.799 | 6.756 | 6.941 | VV | 312293 | 3296351 | 48.23% | 4.145% |
| 67 | 6.952 | 6.941 | 7.012 | VV | 1003 | 27896 | 0.41% | 0.035% |
| 68 | 7.027 | 7.012 | 7.062 | VV | 606 | 13213 | 0.19% | 0.017% |
| 69 | 7.086 | 7.062 | 7.115 | VV | 394 | 9913 | 0.15% | 0.012% |
| 70 | 7.139 | 7.115 | 7.184 | VV | 361 | 11271 | 0.16% | 0.014% |
| 71 | 7.194 | 7.184 | 7.233 | VV | 277 | 6433 | 0.09% | 0.008% |
| 72 | 7.256 | 7.233 | 7.291 | VV | 301 | 7203 | 0.11% | 0.009% |
| 73 | 7.314 | 7.291 | 7.355 | VV | 485 | 12794 | 0.19% | 0.016% |
| 74 | 7.375 | 7.355 | 7.404 | VV | 461 | 9333 | 0.14% | 0.012% |
| 75 | 7.433 | 7.404 | 7.461 | VV | 465 | 11527 | 0.17% | 0.014% |
| 76 | 7.481 | 7.461 | 7.509 | VV | 400 | 6996 | 0.10% | 0.009% |
| 77 | 7.519 | 7.509 | 7.528 | VV | 187 | 1682 | 0.02% | 0.002% |
| 78 | 7.551 | 7.528 | 7.579 | VV | 180 | 3900 | 0.06% | 0.005% |
| 79 | 7.606 | 7.579 | 7.644 | VV | 843 | 11271 | 0.16% | 0.014% |

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|---|---|---|---|---|---|---|---|---|
| 80 | 7.684 | 7.644 | 7.707 | VV | 177 | 4743 | 0.07% | 0.006% |
| 81 | 7.754 | 7.707 | 7.797 | VV | 657 | 14964 | 0.22% | 0.019% |
| 82 | 7.813 | 7.797 | 7.948 | VV | 235 | 9391 | 0.14% | 0.012% |
| 83 | 8.018 | 7.948 | 8.058 | VV | 336 | 6233 | 0.09% | 0.008% |
| 84 | 8.088 | 8.058 | 8.102 | VV | 172 | 2533 | 0.04% | 0.003% |
| 85 | 8.115 | 8.102 | 8.139 | VV | 219 | 2781 | 0.04% | 0.003% |
| 86 | 8.149 | 8.139 | 8.159 | PV | 81 | 712 | 0.01% | 0.001% |
| 87 | 8.185 | 8.159 | 8.227 | VV | 220 | 5194 | 0.08% | 0.007% |
| 88 | 8.241 | 8.227 | 8.268 | VV | 200 | 3622 | 0.05% | 0.005% |
| 89 | 8.285 | 8.268 | 8.303 | VV | 200 | 2795 | 0.04% | 0.004% |
| 90 | 8.330 | 8.303 | 8.364 | VV | 471 | 8133 | 0.12% | 0.010% |
| 91 | 8.386 | 8.364 | 8.445 | VV | 1386 | 18648 | 0.27% | 0.023% |
| 92 | 8.455 | 8.445 | 8.475 | VV | 76 | 1020 | 0.01% | 0.001% |
| 93 | 8.545 | 8.475 | 8.604 | PV | 625 | 13879 | 0.20% | 0.017% |
| 94 | 8.638 | 8.604 | 8.817 | VV | 318480 | 3566496 | 52.18% | 4.485% |
| 95 | 8.828 | 8.817 | 8.865 | VV | 573 | 13767 | 0.20% | 0.017% |
| 96 | 8.876 | 8.865 | 8.960 | VV | 593 | 16685 | 0.24% | 0.021% |
| 97 | 8.996 | 8.960 | 9.087 | VV | 321 | 18091 | 0.26% | 0.023% |
| 98 | 9.104 | 9.087 | 9.118 | VV | 288 | 4279 | 0.06% | 0.005% |
| 99 | 9.123 | 9.118 | 9.148 | VV | 255 | 4488 | 0.07% | 0.006% |
| 100 | 9.158 | 9.148 | 9.171 | VV | 291 | 3589 | 0.05% | 0.005% |
| 101 | 9.185 | 9.171 | 9.235 | VV | 370 | 9062 | 0.13% | 0.011% |
| 102 | 9.242 | 9.235 | 9.282 | VV | 203 | 3194 | 0.05% | 0.004% |
| 103 | 9.296 | 9.282 | 9.319 | VV | 156 | 1645 | 0.02% | 0.002% |
| 104 | 9.373 | 9.319 | 9.391 | VV | 606 | 8901 | 0.13% | 0.011% |
| 105 | 9.404 | 9.391 | 9.418 | VV | 342 | 4515 | 0.07% | 0.006% |
| 106 | 9.437 | 9.418 | 9.451 | VV | 285 | 4434 | 0.06% | 0.006% |
| 107 | 9.483 | 9.451 | 9.531 | VV | 1033 | 19942 | 0.29% | 0.025% |
| 108 | 9.559 | 9.531 | 9.581 | VV | 194 | 2945 | 0.04% | 0.004% |
| 109 | 9.608 | 9.581 | 9.651 | VV | 179 | 2872 | 0.04% | 0.004% |
| 110 | 9.660 | 9.651 | 9.680 | VV | 109 | 1161 | 0.02% | 0.001% |
| 111 | 9.715 | 9.680 | 9.746 | VV | 259 | 5926 | 0.09% | 0.007% |
| 112 | 9.773 | 9.746 | 9.818 | VV | 333 | 6140 | 0.09% | 0.008% |
| 113 | 9.842 | 9.818 | 9.877 | VV | 334 | 5259 | 0.08% | 0.007% |
| 114 | 9.895 | 9.877 | 9.944 | VV | 225 | 2796 | 0.04% | 0.004% |
| 115 | 9.952 | 9.944 | 9.960 | VV | 53 | 298 | 0.00% | 0.000% |
| 116 | 9.988 | 9.960 | 10.014 | PV | 278 | 4410 | 0.06% | 0.006% |
| 117 | 10.034 | 10.014 | 10.080 | VV | 776 | 10028 | 0.15% | 0.013% |
| 118 | 10.104 | 10.080 | 10.115 | PV | 77 | 971 | 0.01% | 0.001% |
| 119 | 10.125 | 10.115 | 10.151 | VV | 80 | 705 | 0.01% | 0.001% |
| 120 | 10.177 | 10.151 | 10.217 | VV | 611 | 9173 | 0.13% | 0.012% |
| 121 | 10.256 | 10.217 | 10.465 | VV | 356688 | 4067358 | 59.51% | 5.115% |
| 122 | 10.486 | 10.465 | 10.535 | VV | 971 | 22065 | 0.32% | 0.028% |
| 123 | 10.541 | 10.535 | 10.555 | VV | 355 | 3327 | 0.05% | 0.004% |
| 124 | 10.581 | 10.555 | 10.618 | VV | 309 | 9892 | 0.14% | 0.012% |
| 125 | 10.649 | 10.618 | 10.714 | VV | 363 | 13287 | 0.19% | 0.017% |
| 126 | 10.735 | 10.714 | 10.788 | VV | 236 | 6839 | 0.10% | 0.009% |

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|---|---|---|---|---|---|---|---|---|
| 127 | 10.794 | 10.788 | 10.811 | VV | 151 | 1643 | 0.02% | 0.002% |
| 128 | 10.815 | 10.811 | 10.835 | VV | 139 | 1234 | 0.02% | 0.002% |
| 129 | 10.869 | 10.835 | 10.913 | VV | 153 | 5372 | 0.08% | 0.007% |
| 130 | 10.947 | 10.913 | 10.966 | VV | 315 | 6768 | 0.10% | 0.009% |
| 131 | 11.005 | 10.966 | 11.045 | VV | 468 | 11255 | 0.16% | 0.014% |
| 132 | 11.077 | 11.045 | 11.105 | VV | 244 | 6669 | 0.10% | 0.008% |
| 133 | 11.128 | 11.105 | 11.167 | VV | 463 | 9843 | 0.14% | 0.012% |
| 134 | 11.193 | 11.167 | 11.210 | VV | 250 | 4397 | 0.06% | 0.006% |
| 135 | 11.219 | 11.210 | 11.240 | VV | 181 | 1984 | 0.03% | 0.002% |
| 136 | 11.263 | 11.240 | 11.299 | PV | 112 | 2551 | 0.04% | 0.003% |
| 137 | 11.330 | 11.299 | 11.357 | VV | 307 | 5845 | 0.09% | 0.007% |
| 138 | 11.377 | 11.357 | 11.405 | VV | 423 | 6622 | 0.10% | 0.008% |
| 139 | 11.428 | 11.405 | 11.443 | VV | 207 | 3786 | 0.06% | 0.005% |
| 140 | 11.460 | 11.443 | 11.481 | VV | 156 | 2450 | 0.04% | 0.003% |
| 141 | 11.512 | 11.481 | 11.555 | VV | 2168 | 27658 | 0.40% | 0.035% |
| 142 | 11.562 | 11.555 | 11.592 | VV | 74 | 658 | 0.01% | 0.001% |
| 143 | 11.640 | 11.592 | 11.675 | PV | 2175 | 31242 | 0.46% | 0.039% |
| 144 | 11.709 | 11.675 | 11.972 | VV | 368266 | 4467561 | 65.36% | 5.618% |
| 145 | 12.007 | 11.972 | 12.055 | VV | 339 | 13348 | 0.20% | 0.017% |
| 146 | 12.058 | 12.055 | 12.065 | VV | 251 | 1485 | 0.02% | 0.002% |
| 147 | 12.075 | 12.065 | 12.084 | VV | 257 | 2620 | 0.04% | 0.003% |
| 148 | 12.101 | 12.084 | 12.154 | VV | 290 | 9088 | 0.13% | 0.011% |
| 149 | 12.176 | 12.154 | 12.252 | VV | 437 | 12523 | 0.18% | 0.016% |
| 150 | 12.262 | 12.252 | 12.292 | VV | 141 | 2484 | 0.04% | 0.003% |
| 151 | 12.318 | 12.292 | 12.338 | VV | 152 | 3360 | 0.05% | 0.004% |
| 152 | 12.383 | 12.338 | 12.415 | VV | 381 | 10154 | 0.15% | 0.013% |
| 153 | 12.426 | 12.415 | 12.459 | VV | 187 | 3333 | 0.05% | 0.004% |
| 154 | 12.482 | 12.459 | 12.493 | VV | 186 | 2212 | 0.03% | 0.003% |
| 155 | 12.521 | 12.493 | 12.559 | VV | 190 | 4974 | 0.07% | 0.006% |
| 156 | 12.603 | 12.559 | 12.641 | VV | 284 | 7644 | 0.11% | 0.010% |
| 157 | 12.673 | 12.641 | 12.705 | VV | 262 | 4821 | 0.07% | 0.006% |
| 158 | 12.722 | 12.705 | 12.738 | VV | 173 | 2340 | 0.03% | 0.003% |
| 159 | 12.764 | 12.738 | 12.791 | VV | 272 | 4890 | 0.07% | 0.006% |
| 160 | 12.849 | 12.791 | 12.934 | VV | 1099 | 25454 | 0.37% | 0.032% |
| 161 | 12.968 | 12.934 | 12.991 | PV | 1596 | 21288 | 0.31% | 0.027% |
| 162 | 13.029 | 12.991 | 13.132 | VV | 388388 | 4607273 | 67.41% | 5.794% |
| 163 | 13.145 | 13.132 | 13.268 | VV | 561 | 20398 | 0.30% | 0.026% |
| 164 | 13.284 | 13.268 | 13.305 | VV | 169 | 3193 | 0.05% | 0.004% |
| 165 | 13.307 | 13.305 | 13.335 | VV | 161 | 2075 | 0.03% | 0.003% |
| 166 | 13.343 | 13.335 | 13.370 | VV | 122 | 2166 | 0.03% | 0.003% |
| 167 | 13.480 | 13.370 | 13.607 | VV | 567955 | 6834862 | 100.00% | 8.595% |
| 168 | 13.646 | 13.607 | 13.808 | VV | 381161 | 4653619 | 68.09% | 5.852% |
| 169 | 13.826 | 13.808 | 13.894 | VV | 590 | 21423 | 0.31% | 0.027% |
| 170 | 13.925 | 13.894 | 13.975 | VV | 377 | 14284 | 0.21% | 0.018% |
| 171 | 13.992 | 13.975 | 14.004 | VV | 278 | 4694 | 0.07% | 0.006% |
| 172 | 14.025 | 14.004 | 14.040 | VV | 580 | 8802 | 0.13% | 0.011% |
| 173 | 14.075 | 14.040 | 14.151 | VV | 1078 | 31973 | 0.47% | 0.040% |
| 174 | 14.182 | 14.151 | 14.199 | VV | 1736 | 24901 | 0.36% | 0.031% |

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|---|---|---|---|---|---|---|---|---|
| 175 | 14.235 | 14.199 | 14.343 | VV | 365431 | 4609098 | 67.44% | 5.796% |
| 176 | 14.363 | 14.343 | 14.405 | VV | 686 | 16228 | 0.24% | 0.020% |
| 177 | 14.435 | 14.405 | 14.533 | VV | 376 | 21313 | 0.31% | 0.027% |
| 178 | 14.538 | 14.533 | 14.555 | VV | 225 | 2309 | 0.03% | 0.003% |
| 179 | 14.562 | 14.555 | 14.616 | VV | 213 | 6236 | 0.09% | 0.008% |
| 180 | 14.631 | 14.616 | 14.647 | VV | 169 | 2881 | 0.04% | 0.004% |
| 181 | 14.680 | 14.647 | 14.770 | VV | 1285 | 30902 | 0.45% | 0.039% |
| 182 | 14.801 | 14.770 | 14.851 | VV | 1001 | 17888 | 0.26% | 0.022% |
| 183 | 14.970 | 14.851 | 14.989 | VV | 320 | 13992 | 0.20% | 0.018% |
| 184 | 15.006 | 14.989 | 15.041 | VV | 175 | 4194 | 0.06% | 0.005% |
| 185 | 15.082 | 15.041 | 15.111 | VV | 170 | 4823 | 0.07% | 0.006% |
| 186 | 15.118 | 15.111 | 15.135 | VV | 140 | 1425 | 0.02% | 0.002% |
| 187 | 15.156 | 15.135 | 15.167 | VV | 143 | 1897 | 0.03% | 0.002% |
| 188 | 15.190 | 15.167 | 15.253 | VV | 505 | 10485 | 0.15% | 0.013% |
| 189 | 15.300 | 15.253 | 15.310 | VV | 1201 | 15556 | 0.23% | 0.020% |
| 190 | 15.347 | 15.310 | 15.496 | VV | 339925 | 4562189 | 66.75% | 5.737% |
| 191 | 15.512 | 15.496 | 15.606 | VV | 286 | 10125 | 0.15% | 0.013% |
| 192 | 15.622 | 15.606 | 15.703 | VV | 156 | 5025 | 0.07% | 0.006% |
| 193 | 15.723 | 15.703 | 15.751 | VV | 112 | 2203 | 0.03% | 0.003% |
| 194 | 15.761 | 15.751 | 15.808 | VV | 94 | 2030 | 0.03% | 0.003% |
| 195 | 15.870 | 15.808 | 15.966 | VV | 2590 | 39685 | 0.58% | 0.050% |
| 196 | 15.973 | 15.966 | 15.987 | VV | 75 | 308 | 0.00% | 0.000% |
| 197 | 16.045 | 15.987 | 16.101 | PV | 94 | 3920 | 0.06% | 0.005% |
| 198 | 16.119 | 16.101 | 16.131 | VV | 63 | 643 | 0.01% | 0.001% |
| 199 | 16.151 | 16.131 | 16.161 | VV | 93 | 925 | 0.01% | 0.001% |
| 200 | 16.192 | 16.161 | 16.221 | VV | 136 | 3269 | 0.05% | 0.004% |
| 201 | 16.240 | 16.221 | 16.286 | VV | 230 | 4609 | 0.07% | 0.006% |
| 202 | 16.375 | 16.286 | 16.531 | VV | 333802 | 4421416 | 64.69% | 5.560% |
| 203 | 16.545 | 16.531 | 16.615 | VV | 203 | 6008 | 0.09% | 0.008% |
| 204 | 16.684 | 16.615 | 16.714 | VV | 252 | 5277 | 0.08% | 0.007% |
| 205 | 16.736 | 16.714 | 16.787 | VV | 113 | 2268 | 0.03% | 0.003% |
| 206 | 16.859 | 16.787 | 16.921 | VV | 3581 | 54224 | 0.79% | 0.068% |
| 207 | 16.932 | 16.921 | 16.983 | VV | 80 | 1410 | 0.02% | 0.002% |
| 208 | 17.037 | 16.983 | 17.056 | PV | 148 | 3108 | 0.05% | 0.004% |
| 209 | 17.095 | 17.056 | 17.121 | VV | 110 | 2665 | 0.04% | 0.003% |
| 210 | 17.164 | 17.121 | 17.188 | PV | 130 | 2785 | 0.04% | 0.004% |
| 211 | 17.210 | 17.188 | 17.263 | VV | 259 | 4718 | 0.07% | 0.006% |
| 212 | 17.330 | 17.263 | 17.481 | VV | 308816 | 4241391 | 62.06% | 5.333% |
| 213 | 17.493 | 17.481 | 17.525 | VV | 182 | 4032 | 0.06% | 0.005% |
| 214 | 17.543 | 17.525 | 17.555 | VV | 175 | 2642 | 0.04% | 0.003% |
| 215 | 17.573 | 17.555 | 17.595 | VV | 177 | 3385 | 0.05% | 0.004% |
| 216 | 17.614 | 17.595 | 17.642 | VV | 166 | 3270 | 0.05% | 0.004% |
| 217 | 17.673 | 17.642 | 17.689 | VV | 153 | 2048 | 0.03% | 0.003% |
| 218 | 17.782 | 17.689 | 17.850 | PV | 5180 | 82982 | 1.21% | 0.104% |
| 219 | 17.894 | 17.850 | 17.925 | VV | 153 | 4453 | 0.07% | 0.006% |
| 220 | 17.954 | 17.925 | 17.973 | VV | 91 | 1674 | 0.02% | 0.002% |
| 221 | 17.991 | 17.973 | 18.026 | PV | 102 | 1707 | 0.02% | 0.002% |

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|---|---|---|---|---|---|---|---|---|
| 222 | 18.063 | 18.026 | 18.086 | PV | 169 | 2497 | 0.04% | 0.003% |
| 223 | 18.113 | 18.086 | 18.145 | VV | 894 | 12501 | 0.18% | 0.016% |
| 224 | 18.223 | 18.145 | 18.341 | PV | 296195 | 3995383 | 58.46% | 5.024% |
| 225 | 18.372 | 18.341 | 18.445 | VV | 571 | 17016 | 0.25% | 0.021% |
| 226 | 18.499 | 18.445 | 18.518 | VV | 282 | 5081 | 0.07% | 0.006% |
| 227 | 18.546 | 18.518 | 18.595 | VV | 146 | 3594 | 0.05% | 0.005% |
| 228 | 18.646 | 18.595 | 18.692 | VV | 5935 | 83525 | 1.22% | 0.105% |
| 229 | 18.740 | 18.692 | 18.788 | VV | 621 | 10252 | 0.15% | 0.013% |
| 230 | 18.908 | 18.788 | 18.932 | PV | 298 | 4291 | 0.06% | 0.005% |
| 231 | 18.954 | 18.932 | 18.976 | VV | 137 | 2111 | 0.03% | 0.003% |
| 232 | 19.060 | 18.976 | 19.148 | PV | 281328 | 3794199 | 55.51% | 4.771% |
| 233 | 19.163 | 19.148 | 19.192 | VV | 395 | 8028 | 0.12% | 0.010% |
| 234 | 19.216 | 19.192 | 19.271 | VV | 304 | 8236 | 0.12% | 0.010% |
| 235 | 19.315 | 19.271 | 19.338 | VV | 269 | 5059 | 0.07% | 0.006% |
| 236 | 19.358 | 19.338 | 19.395 | VV | 182 | 3053 | 0.04% | 0.004% |
| 237 | 19.457 | 19.395 | 19.531 | PV | 5127 | 81940 | 1.20% | 0.103% |
| 238 | 19.569 | 19.531 | 19.588 | VV | 398 | 4774 | 0.07% | 0.006% |
| 239 | 19.708 | 19.588 | 19.735 | VV | 447 | 19949 | 0.29% | 0.025% |
| 240 | 19.752 | 19.735 | 19.777 | VV | 330 | 5998 | 0.09% | 0.008% |
| 241 | 19.849 | 19.777 | 19.953 | VV | 249052 | 3626049 | 53.05% | 4.560% |
| 242 | 19.965 | 19.953 | 19.971 | VV | 625 | 6808 | 0.10% | 0.009% |
| 243 | 20.004 | 19.971 | 20.024 | VV | 693 | 19090 | 0.28% | 0.024% |
| 244 | 20.092 | 20.024 | 20.110 | VV | 788 | 32651 | 0.48% | 0.041% |
| 245 | 20.137 | 20.110 | 20.184 | VV | 898 | 33505 | 0.49% | 0.042% |
| 246 | 20.224 | 20.184 | 20.265 | VV | 3885 | 81104 | 1.19% | 0.102% |
| 247 | 20.289 | 20.265 | 20.300 | VV | 886 | 18437 | 0.27% | 0.023% |
| 248 | 20.410 | 20.300 | 20.422 | VV | 1182 | 72513 | 1.06% | 0.091% |
| 249 | 20.461 | 20.422 | 20.473 | VV | 1408 | 38614 | 0.56% | 0.049% |
| 250 | 20.499 | 20.473 | 20.527 | VV | 1862 | 51107 | 0.75% | 0.064% |
| 251 | 20.593 | 20.527 | 20.698 | VV | 223850 | 3532510 | 51.68% | 4.442% |
| 252 | 20.777 | 20.698 | 20.791 | VV | 2187 | 120160 | 1.76% | 0.151% |
| 253 | 20.827 | 20.791 | 20.840 | VV | 2259 | 64524 | 0.94% | 0.081% |
| 254 | 20.866 | 20.840 | 20.898 | VV | 2343 | 77264 | 1.13% | 0.097% |
| 255 | 20.960 | 20.898 | 21.021 | VV | 3974 | 186780 | 2.73% | 0.235% |
| 256 | 21.062 | 21.021 | 21.074 | VV | 2045 | 64778 | 0.95% | 0.081% |
| 257 | 21.151 | 21.074 | 21.184 | VV | 2182 | 137065 | 2.01% | 0.172% |
| 258 | 21.218 | 21.184 | 21.251 | VV | 1978 | 76945 | 1.13% | 0.097% |
| 259 | 21.262 | 21.251 | 21.295 | VV | 1868 | 46913 | 0.69% | 0.059% |
| 260 | 21.367 | 21.295 | 21.634 | VV | 176062 | 3570388 | 52.24% | 4.490% |
| 261 | 21.654 | 21.634 | 21.678 | VV | 1304 | 33209 | 0.49% | 0.042% |
| 262 | 21.721 | 21.678 | 21.765 | VV | 1248 | 60432 | 0.88% | 0.076% |
| 263 | 21.823 | 21.765 | 21.918 | VV | 1698 | 99421 | 1.45% | 0.125% |
| 264 | 21.931 | 21.918 | 21.941 | VV | 760 | 9921 | 0.15% | 0.012% |
| 265 | 21.955 | 21.941 | 21.991 | VV | 704 | 17982 | 0.26% | 0.023% |
| 266 | 22.000 | 21.991 | 22.025 | VV | 557 | 10108 | 0.15% | 0.013% |
| 267 | 22.040 | 22.025 | 22.051 | VV | 471 | 7146 | 0.10% | 0.009% |
| 268 | 22.083 | 22.051 | 22.135 | VV | 406 | 16881 | 0.25% | 0.021% |
| 269 | 22.147 | 22.135 | 22.178 | VV | 262 | 5692 | 0.08% | 0.007% |

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|---|---|---|---|---|---|---|---|---|
| 270 | 22.205 | 22.178 | 22.232 | VV | 168 | 4410 | 0.06% | 0.006% |
| 271 | 22.251 | 22.232 | 22.260 | VV | 77 | 1072 | 0.02% | 0.001% |
| 272 | 22.348 | 22.260 | 22.501 | PBA | 111503 | 3102856 | 45.40% | 3.902% |

Sum of corrected areas: 79524416

Aliphatic EPH 102925.M Fri Nov 21 00:25:13 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016727.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 20:29
Operator : YP\AJ
Sample : Q3586-03MSD
Misc :
ALS Vial : 81 Sample Multiplier: 1

**Instrument :**
FID_F
**ClientSampleId :**
SED-3MSD

Integration File: autoint1.e
Quant Time: Nov 18 00:37:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

| | Compound | R.T. | Response | Conc Units |
|---|---|---|---|---|
| | **System Monitoring Compounds** | | | |
| 4) S | 2-Bromonaphthalene (S... | 8.010 | 5451012 | 48.102 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 96.20% |
| 6) S | 2-Flurobiphenyl (SURR) | 8.886 | 3671951 | 51.485 ug/ml |
| Spiked Amount | 50.000 Range | 0 - 131 | Recovery = | 102.97% |
| 11) S | ortho-Terphenyl (SURR) | 11.953 | 5206037 | 35.451 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 70.90% |
| | **Target Compounds** | | | |
| 1) T | 1,2,3-Trimethylbenzen... | 4.602 | 3638107 | 27.638 ug/ml |
| 2) T | Naphthalene (C11.7) | 6.278 | 3915385 | 29.597 ug/ml |
| 3) T | 2-Methylnaphthalene (... | 7.379 | 3658291 | 27.519 ug/ml |
| 5) T | Acenaphthylene (C15.06) | 8.685 | 4338030 | 32.109 ug/ml |
| 7) T | Acenaphthene (C15.5) | 8.985 | 4454430 | 32.405 ug/ml |
| 8) T | Flouorene (C16.55) | 9.775 | 4650800 | 35.723 ug/ml |
| 9) T | Phenanthrene (C19.36) | 11.184 | 4835762 | 36.571 ug/ml |
| 10) T | Anthracene (C19.43) | 11.259 | 5008654 | 36.962 ug/ml |
| 12) T | Fluoranthene (C21.85) | 13.009 | 4947576 | 36.051 ug/ml |
| 13) T | Pyrene (C20.8) | 13.308 | 4847947 | 35.375 ug/ml |
| 14) T | Benzo[a]anthracene (C... | 15.194 | 4464980 | 39.204 ug/ml |
| 15) T | Chrysene (C27.41) | 15.238 | 5420407 | 38.411 ug/ml |
| 16) T | benzo[b]fluoranthene ... | 16.759 | 4465931 | 40.184 ug/ml |
| 17) T | Bnezo[k]fluoranthene ... | 16.792 | 4633293 | 37.933 ug/ml |
| 18) T | Benzo[a]pyrene (C31.34) | 17.140 | 4384198 | 39.947 ug/ml |
| 19) T | Indeno[1,2,3-cd]pyren... | 18.520 | 4569764 | 53.105 ug/ml |
| 20) T | Dibenz[a,h]anthracene... | 18.557 | 4852505 | 36.847 ug/ml |
| 21) T | Benzo[g,h,i]perylene ... | 18.777 | 4789362 | 45.194 ug/ml |

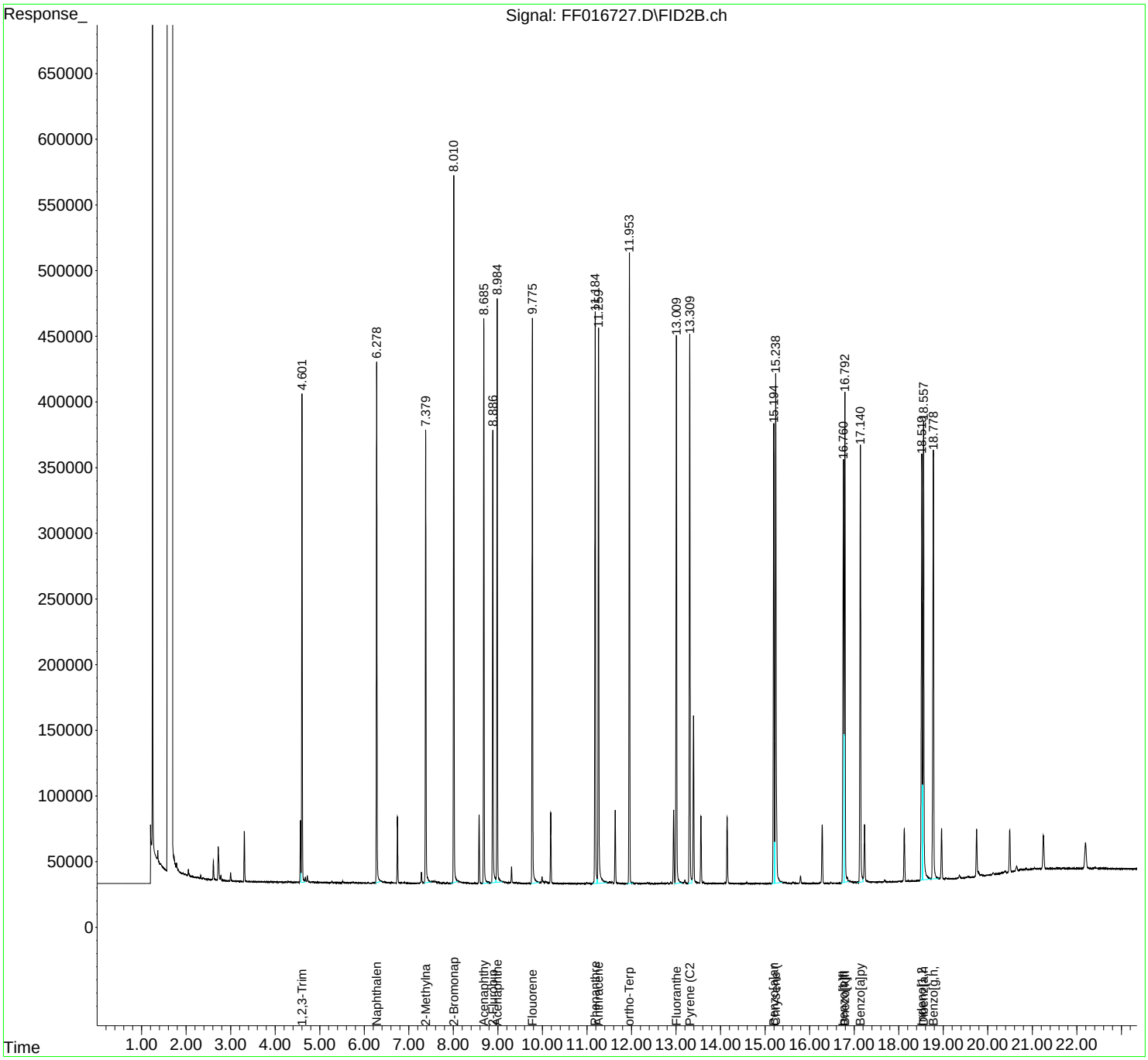
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016727.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 20:29
Operator : YP\AJ
Sample : Q3586-03MSD
Misc :
ALS Vial : 81 Sample Multiplier: 1

**Instrument :**
FID_F
**ClientSampleId :**
SED-3MSD

Integration File: autoint1.e
Quant Time: Nov 18 00:37:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 18:27:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm



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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111725AR\
Data File : FF016727.D
Signal(s) : FID2B.ch
Acq On : 17 Nov 2025 20:29
Sample : Q3586-03MSD
Misc :
ALS Vial : 81 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102925.M
Title : GC Extractables

Signal : FID2B.ch

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|
| 1 | 4.477 | 4.454 | 4.498 | PV | 304 | 3549 | 0.06% | 0.003% |
| 2 | 4.567 | 4.525 | 4.582 | PV | 47383 | 465494 | 8.41% | 0.431% |
| 3 | 4.602 | 4.582 | 4.658 | VV | 371623 | 3647919 | 65.91% | 3.378% |
| 4 | 4.676 | 4.658 | 4.702 | VV | 3983 | 51946 | 0.94% | 0.048% |
| 5 | 4.721 | 4.702 | 4.772 | VV | 5183 | 76887 | 1.39% | 0.071% |
| 6 | 4.775 | 4.772 | 4.806 | VV | 421 | 7394 | 0.13% | 0.007% |
| 7 | 4.820 | 4.806 | 4.835 | VV | 547 | 6309 | 0.11% | 0.006% |
| 8 | 4.853 | 4.835 | 4.873 | VV | 746 | 10010 | 0.18% | 0.009% |
| 9 | 4.886 | 4.873 | 4.910 | VV | 304 | 5681 | 0.10% | 0.005% |
| 10 | 4.914 | 4.910 | 4.925 | VV | 287 | 2135 | 0.04% | 0.002% |
| 11 | 4.933 | 4.925 | 4.949 | VV | 278 | 3297 | 0.06% | 0.003% |
| 12 | 4.955 | 4.949 | 4.975 | VV | 323 | 3965 | 0.07% | 0.004% |
| 13 | 4.985 | 4.975 | 5.003 | VV | 338 | 4255 | 0.08% | 0.004% |
| 14 | 5.009 | 5.003 | 5.023 | VV | 246 | 2511 | 0.05% | 0.002% |
| 15 | 5.028 | 5.023 | 5.054 | VV | 235 | 3380 | 0.06% | 0.003% |
| 16 | 5.064 | 5.054 | 5.081 | VV | 336 | 4047 | 0.07% | 0.004% |
| 17 | 5.087 | 5.081 | 5.096 | VV | 272 | 1639 | 0.03% | 0.002% |
| 18 | 5.115 | 5.107 | 5.143 | VV | 198 | 2490 | 0.04% | 0.002% |
| 19 | 5.158 | 5.143 | 5.208 | VV | 184 | 3992 | 0.07% | 0.004% |
| 20 | 5.272 | 5.223 | 5.307 | VV | 1367 | 21388 | 0.39% | 0.020% |
| 21 | 5.325 | 5.307 | 5.349 | VV | 357 | 5788 | 0.10% | 0.005% |
| 22 | 5.359 | 5.349 | 5.373 | VV | 219 | 2128 | 0.04% | 0.002% |
| 23 | 5.390 | 5.373 | 5.448 | VV | 281 | 5820 | 0.11% | 0.005% |
| 24 | 5.480 | 5.465 | 5.496 | VV | 161 | 1241 | 0.02% | 0.001% |
| 25 | 5.516 | 5.496 | 5.569 | PV | 1352 | 22927 | 0.41% | 0.021% |
| 26 | 5.571 | 5.569 | 5.586 | VV | 285 | 2127 | 0.04% | 0.002% |
| 27 | 5.591 | 5.586 | 5.602 | VV | 222 | 1596 | 0.03% | 0.001% |
| 28 | 5.607 | 5.602 | 5.628 | VV | 179 | 1438 | 0.03% | 0.001% |
| 29 | 5.636 | 5.628 | 5.648 | VV | 114 | 1130 | 0.02% | 0.001% |
| 30 | 5.652 | 5.648 | 5.671 | VV | 139 | 1325 | 0.02% | 0.001% |
| 31 | 5.709 | 5.689 | 5.725 | PV | 556 | 6781 | 0.12% | 0.006% |
| 32 | 5.739 | 5.725 | 5.744 | VV | 447 | 3748 | 0.07% | 0.003% |
| 33 | 5.755 | 5.744 | 5.780 | VV | 465 | 5323 | 0.10% | 0.005% |
| 34 | 5.787 | 5.780 | 5.802 | VV | 180 | 1432 | 0.03% | 0.001% |
| 35 | 5.809 | 5.802 | 5.856 | VV | 144 | 2318 | 0.04% | 0.002% |
| 36 | 5.905 | 5.893 | 5.941 | VV | 234 | 3390 | 0.06% | 0.003% |

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|---|---|---|---|---|---|---|---|---|
| 37 | 5.971 | 5.962 | 5.992 | VV | 182 | 1916 | 0.03% | 0.002% |
| 38 | 6.022 | 5.992 | 6.040 | VV | 223 | 3965 | 0.07% | 0.004% |
| 39 | 6.062 | 6.040 | 6.071 | VV | 184 | 1725 | 0.03% | 0.002% |
| 40 | 6.080 | 6.071 | 6.098 | VV | 288 | 2793 | 0.05% | 0.003% |
| 41 | 6.147 | 6.119 | 6.166 | VV | 162 | 1229 | 0.02% | 0.001% |
| 42 | 6.196 | 6.166 | 6.232 | PV | 615 | 9030 | 0.16% | 0.008% |
| 43 | 6.239 | 6.232 | 6.249 | VV | 212 | 1543 | 0.03% | 0.001% |
| 44 | 6.278 | 6.249 | 6.374 | VV | 396548 | 3972706 | 71.78% | 3.678% |
| 45 | 6.388 | 6.374 | 6.424 | VV | 1880 | 39804 | 0.72% | 0.037% |
| 46 | 6.426 | 6.424 | 6.436 | VV | 908 | 5974 | 0.11% | 0.006% |
| 47 | 6.453 | 6.436 | 6.486 | VV | 1514 | 30186 | 0.55% | 0.028% |
| 48 | 6.492 | 6.486 | 6.500 | VV | 636 | 4776 | 0.09% | 0.004% |
| 49 | 6.517 | 6.500 | 6.557 | VV | 700 | 20126 | 0.36% | 0.019% |
| 50 | 6.562 | 6.557 | 6.568 | VV | 478 | 2959 | 0.05% | 0.003% |
| 51 | 6.574 | 6.568 | 6.578 | VV | 521 | 3069 | 0.06% | 0.003% |
| 52 | 6.586 | 6.578 | 6.598 | VV | 538 | 5741 | 0.10% | 0.005% |
| 53 | 6.613 | 6.598 | 6.619 | VV | 463 | 5253 | 0.09% | 0.005% |
| 54 | 6.624 | 6.619 | 6.677 | VV | 363 | 10900 | 0.20% | 0.010% |
| 55 | 6.683 | 6.677 | 6.689 | VV | 306 | 1855 | 0.03% | 0.002% |
| 56 | 6.703 | 6.689 | 6.709 | VV | 228 | 2299 | 0.04% | 0.002% |
| 57 | 6.745 | 6.716 | 6.814 | VV | 50780 | 533712 | 9.64% | 0.494% |
| 58 | 6.820 | 6.814 | 6.822 | VV | 442 | 1824 | 0.03% | 0.002% |
| 59 | 6.828 | 6.822 | 6.847 | VV | 501 | 5891 | 0.11% | 0.005% |
| 60 | 6.867 | 6.847 | 6.880 | VV | 429 | 6290 | 0.11% | 0.006% |
| 61 | 6.900 | 6.880 | 6.923 | VV | 679 | 10011 | 0.18% | 0.009% |
| 62 | 6.934 | 6.923 | 6.951 | VV | 351 | 3635 | 0.07% | 0.003% |
| 63 | 6.975 | 6.951 | 7.000 | VV | 421 | 6949 | 0.13% | 0.006% |
| 64 | 7.029 | 7.018 | 7.065 | VV | 257 | 3928 | 0.07% | 0.004% |
| 65 | 7.081 | 7.065 | 7.104 | VV | 220 | 3095 | 0.06% | 0.003% |
| 66 | 7.153 | 7.122 | 7.173 | PV | 296 | 5251 | 0.09% | 0.005% |
| 67 | 7.202 | 7.173 | 7.238 | VV | 343 | 6838 | 0.12% | 0.006% |
| 68 | 7.283 | 7.238 | 7.341 | VV | 8615 | 118812 | 2.15% | 0.110% |
| 69 | 7.379 | 7.341 | 7.504 | VV | 345006 | 3729251 | 67.38% | 3.453% |
| 70 | 7.520 | 7.504 | 7.536 | VV | 1864 | 28291 | 0.51% | 0.026% |
| 71 | 7.551 | 7.536 | 7.567 | VV | 1713 | 25359 | 0.46% | 0.023% |
| 72 | 7.584 | 7.567 | 7.597 | VV | 1887 | 27482 | 0.50% | 0.025% |
| 73 | 7.608 | 7.597 | 7.643 | VV | 1513 | 28271 | 0.51% | 0.026% |
| 74 | 7.660 | 7.643 | 7.682 | VV | 1291 | 20625 | 0.37% | 0.019% |
| 75 | 7.695 | 7.682 | 7.715 | VV | 709 | 11593 | 0.21% | 0.011% |
| 76 | 7.724 | 7.715 | 7.742 | VV | 432 | 6514 | 0.12% | 0.006% |
| 77 | 7.754 | 7.742 | 7.772 | VV | 684 | 10217 | 0.18% | 0.009% |
| 78 | 7.784 | 7.772 | 7.814 | VV | 588 | 9482 | 0.17% | 0.009% |
| 79 | 7.822 | 7.814 | 7.839 | VV | 232 | 2898 | 0.05% | 0.003% |
| 80 | 7.869 | 7.839 | 7.890 | VV | 697 | 10968 | 0.20% | 0.010% |
| 81 | 7.924 | 7.890 | 7.945 | VV | 363 | 7904 | 0.14% | 0.007% |
| 82 | 7.965 | 7.945 | 7.978 | VV | 766 | 6091 | 0.11% | 0.006% |
| 83 | 8.010 | 7.978 | 8.107 | VV | 539763 | 5534308 | 100.00% | 5.124% |
| 84 | 8.113 | 8.107 | 8.219 | VV | 1746 | 75088 | 1.36% | 0.070% |
| 85 | 8.225 | 8.219 | 8.249 | VV | 624 | 9959 | 0.18% | 0.009% |
| 86 | 8.270 | 8.249 | 8.302 | VV | 659 | 15953 | 0.29% | 0.015% |
| 87 | 8.327 | 8.302 | 8.357 | VV | 649 | 14065 | 0.25% | 0.013% |
| 88 | 8.364 | 8.357 | 8.389 | VV | 367 | 5721 | 0.10% | 0.005% |
| 89 | 8.396 | 8.389 | 8.420 | VV | 315 | 4375 | 0.08% | 0.004% |

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|---|---|---|---|---|---|---|---|---|
| 90 | 8.432 | 8.420 | 8.449 | VV | 208 | 2919 | 0.05% | 0.003% |
| 91 | 8.453 | 8.449 | 8.462 | VV | 224 | 1524 | 0.03% | 0.001% |
| 92 | 8.481 | 8.462 | 8.530 | VV | 508 | 12060 | 0.22% | 0.011% |
| 93 | 8.579 | 8.538 | 8.639 | VV | 52676 | 559541 | 10.11% | 0.518% |
| 94 | 8.641 | 8.639 | 8.650 | VV | 247 | 1219 | 0.02% | 0.001% |
| 95 | 8.685 | 8.650 | 8.801 | VV | 431162 | 4374852 | 79.05% | 4.051% |
| 96 | 8.813 | 8.801 | 8.844 | VV | 810 | 16450 | 0.30% | 0.015% |
| 97 | 8.847 | 8.844 | 8.853 | VV | 442 | 2341 | 0.04% | 0.002% |
| 98 | 8.886 | 8.853 | 8.956 | VV | 344934 | 3719425 | 67.21% | 3.444% |
| 99 | 8.985 | 8.956 | 9.107 | VV | 444714 | 4562376 | 82.44% | 4.224% |
| 100 | 9.110 | 9.107 | 9.115 | VV | 1483 | 7396 | 0.13% | 0.007% |
| 101 | 9.119 | 9.115 | 9.169 | VV | 1497 | 38533 | 0.70% | 0.036% |
| 102 | 9.176 | 9.169 | 9.222 | VV | 955 | 25490 | 0.46% | 0.024% |
| 103 | 9.235 | 9.222 | 9.256 | VV | 778 | 13771 | 0.25% | 0.013% |
| 104 | 9.269 | 9.256 | 9.284 | VV | 797 | 12817 | 0.23% | 0.012% |
| 105 | 9.307 | 9.284 | 9.373 | VV | 12863 | 158961 | 2.87% | 0.147% |
| 106 | 9.383 | 9.373 | 9.402 | VV | 800 | 12185 | 0.22% | 0.011% |
| 107 | 9.421 | 9.402 | 9.450 | VV | 1002 | 21577 | 0.39% | 0.020% |
| 108 | 9.462 | 9.450 | 9.522 | VV | 586 | 18286 | 0.33% | 0.017% |
| 109 | 9.541 | 9.522 | 9.565 | VV | 293 | 5435 | 0.10% | 0.005% |
| 110 | 9.600 | 9.565 | 9.622 | VV | 278 | 7197 | 0.13% | 0.007% |
| 111 | 9.632 | 9.622 | 9.642 | VV | 294 | 2775 | 0.05% | 0.003% |
| 112 | 9.651 | 9.642 | 9.661 | VV | 246 | 2111 | 0.04% | 0.002% |
| 113 | 9.667 | 9.661 | 9.676 | VV | 176 | 1227 | 0.02% | 0.001% |
| 114 | 9.700 | 9.676 | 9.729 | VV | 303 | 5919 | 0.11% | 0.005% |
| 115 | 9.733 | 9.729 | 9.742 | VV | 179 | 1099 | 0.02% | 0.001% |
| 116 | 9.775 | 9.742 | 9.907 | VV | 430066 | 4700649 | 84.94% | 4.353% |
| 117 | 9.911 | 9.907 | 9.949 | VV | 1235 | 26380 | 0.48% | 0.024% |
| 118 | 9.992 | 9.949 | 10.043 | VV | 5399 | 108577 | 1.96% | 0.101% |
| 119 | 10.066 | 10.043 | 10.098 | VV | 2030 | 43884 | 0.79% | 0.041% |
| 120 | 10.106 | 10.098 | 10.156 | VV | 1228 | 27572 | 0.50% | 0.026% |
| 121 | 10.187 | 10.156 | 10.247 | VV | 54378 | 620599 | 11.21% | 0.575% |
| 122 | 10.255 | 10.247 | 10.278 | VV | 486 | 7616 | 0.14% | 0.007% |
| 123 | 10.288 | 10.278 | 10.323 | VV | 349 | 7404 | 0.13% | 0.007% |
| 124 | 10.342 | 10.323 | 10.354 | VV | 321 | 4622 | 0.08% | 0.004% |
| 125 | 10.357 | 10.354 | 10.367 | VV | 306 | 2055 | 0.04% | 0.002% |
| 126 | 10.369 | 10.367 | 10.400 | VV | 278 | 3607 | 0.07% | 0.003% |
| 127 | 10.407 | 10.400 | 10.422 | VV | 302 | 3092 | 0.06% | 0.003% |
| 128 | 10.425 | 10.422 | 10.434 | VV | 241 | 1375 | 0.02% | 0.001% |
| 129 | 10.437 | 10.434 | 10.452 | VV | 187 | 1722 | 0.03% | 0.002% |
| 130 | 10.471 | 10.452 | 10.486 | VV | 307 | 4346 | 0.08% | 0.004% |
| 131 | 10.504 | 10.486 | 10.559 | VV | 296 | 7873 | 0.14% | 0.007% |
| 132 | 10.583 | 10.559 | 10.596 | VV | 272 | 4510 | 0.08% | 0.004% |
| 133 | 10.613 | 10.596 | 10.638 | VV | 288 | 5625 | 0.10% | 0.005% |
| 134 | 10.643 | 10.638 | 10.651 | VV | 168 | 1086 | 0.02% | 0.001% |
| 135 | 10.663 | 10.651 | 10.686 | VV | 227 | 3086 | 0.06% | 0.003% |
| 136 | 10.709 | 10.686 | 10.732 | VV | 356 | 5862 | 0.11% | 0.005% |
| 137 | 10.747 | 10.732 | 10.782 | VV | 210 | 4026 | 0.07% | 0.004% |
| 138 | 10.812 | 10.782 | 10.826 | VV | 274 | 4377 | 0.08% | 0.004% |
| 139 | 10.831 | 10.826 | 10.847 | VV | 145 | 1308 | 0.02% | 0.001% |
| 140 | 10.880 | 10.847 | 10.888 | VV | 244 | 3758 | 0.07% | 0.003% |
| 141 | 10.925 | 10.894 | 10.967 | VV | 321 | 7437 | 0.13% | 0.007% |

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|---|---|---|---|---|---|---|---|---|
| 142 | 10.995 | 10.967 | 11.019 | VV | 1033 | 18432 | 0.33% | 0.017% |
| 143 | 11.023 | 11.019 | 11.035 | VV | 510 | 4295 | 0.08% | 0.004% |
| 144 | 11.039 | 11.035 | 11.043 | VV | 463 | 2185 | 0.04% | 0.002% |
| 145 | 11.059 | 11.043 | 11.092 | VV | 549 | 9250 | 0.17% | 0.009% |
| 146 | 11.125 | 11.103 | 11.132 | VV | 163 | 2072 | 0.04% | 0.002% |
| 147 | 11.184 | 11.132 | 11.230 | VV | 435309 | 4853260 | 87.69% | 4.494% |
| 148 | 11.259 | 11.230 | 11.424 | VV | 422470 | 5072263 | 91.65% | 4.697% |
| 149 | 11.436 | 11.424 | 11.479 | VV | 1481 | 36784 | 0.66% | 0.034% |
| 150 | 11.507 | 11.479 | 11.547 | VV | 1455 | 47455 | 0.86% | 0.044% |
| 151 | 11.564 | 11.547 | 11.600 | VV | 1521 | 33201 | 0.60% | 0.031% |
| 152 | 11.634 | 11.600 | 11.700 | VV | 56186 | 671902 | 12.14% | 0.622% |
| 153 | 11.715 | 11.700 | 11.779 | VV | 764 | 21635 | 0.39% | 0.020% |
| 154 | 11.789 | 11.779 | 11.810 | VV | 374 | 5284 | 0.10% | 0.005% |
| 155 | 11.818 | 11.810 | 11.826 | VV | 257 | 2153 | 0.04% | 0.002% |
| 156 | 11.831 | 11.826 | 11.870 | VV | 291 | 5162 | 0.09% | 0.005% |
| 157 | 11.878 | 11.870 | 11.907 | VV | 186 | 2773 | 0.05% | 0.003% |
| 158 | 11.954 | 11.907 | 12.017 | VV | 480168 | 5226158 | 94.43% | 4.839% |
| 159 | 12.024 | 12.017 | 12.071 | VV | 715 | 15967 | 0.29% | 0.015% |
| 160 | 12.113 | 12.071 | 12.169 | VV | 696 | 25255 | 0.46% | 0.023% |
| 161 | 12.170 | 12.169 | 12.221 | VV | 300 | 6387 | 0.12% | 0.006% |
| 162 | 12.231 | 12.221 | 12.237 | VV | 267 | 1891 | 0.03% | 0.002% |
| 163 | 12.248 | 12.237 | 12.267 | VV | 261 | 3731 | 0.07% | 0.003% |
| 164 | 12.301 | 12.267 | 12.337 | VV | 493 | 12424 | 0.22% | 0.012% |
| 165 | 12.358 | 12.337 | 12.380 | VV | 1219 | 16404 | 0.30% | 0.015% |
| 166 | 12.396 | 12.380 | 12.424 | VV | 781 | 11000 | 0.20% | 0.010% |
| 167 | 12.436 | 12.424 | 12.451 | VV | 203 | 2350 | 0.04% | 0.002% |
| 168 | 12.457 | 12.451 | 12.470 | VV | 185 | 1524 | 0.03% | 0.001% |
| 169 | 12.473 | 12.470 | 12.496 | VV | 160 | 1273 | 0.02% | 0.001% |
| 170 | 12.512 | 12.496 | 12.519 | VV | 264 | 2323 | 0.04% | 0.002% |
| 171 | 12.527 | 12.519 | 12.550 | VV | 305 | 3708 | 0.07% | 0.003% |
| 172 | 12.571 | 12.550 | 12.599 | PV | 346 | 6651 | 0.12% | 0.006% |
| 173 | 12.608 | 12.604 | 12.615 | VV | 215 | 1138 | 0.02% | 0.001% |
| 174 | 12.629 | 12.615 | 12.644 | VV | 348 | 4358 | 0.08% | 0.004% |
| 175 | 12.658 | 12.644 | 12.674 | VV | 533 | 7165 | 0.13% | 0.007% |
| 176 | 12.679 | 12.674 | 12.702 | VV | 492 | 4967 | 0.09% | 0.005% |
| 177 | 12.727 | 12.702 | 12.750 | VV | 330 | 5868 | 0.11% | 0.005% |
| 178 | 12.773 | 12.750 | 12.780 | VV | 306 | 4157 | 0.08% | 0.004% |
| 179 | 12.808 | 12.780 | 12.842 | VV | 1015 | 15652 | 0.28% | 0.014% |
| 180 | 12.885 | 12.842 | 12.912 | PV | 1272 | 21460 | 0.39% | 0.020% |
| 181 | 12.947 | 12.912 | 12.975 | VV | 56196 | 684608 | 12.37% | 0.634% |
| 182 | 13.009 | 12.975 | 13.137 | VV | 417127 | 4995319 | 90.26% | 4.625% |
| 183 | 13.142 | 13.137 | 13.172 | VV | 894 | 15812 | 0.29% | 0.015% |
| 184 | 13.195 | 13.172 | 13.269 | VV | 2662 | 56321 | 1.02% | 0.052% |
| 185 | 13.309 | 13.269 | 13.353 | VV | 418503 | 4870560 | 88.01% | 4.510% |
| 186 | 13.394 | 13.353 | 13.527 | VV | 127685 | 1654478 | 29.89% | 1.532% |
| 187 | 13.560 | 13.527 | 13.599 | VV | 51276 | 649298 | 11.73% | 0.601% |
| 188 | 13.615 | 13.599 | 13.657 | VV | 1131 | 24152 | 0.44% | 0.022% |
| 189 | 13.662 | 13.657 | 13.708 | VV | 397 | 8591 | 0.16% | 0.008% |
| 190 | 13.712 | 13.708 | 13.738 | VV | 224 | 3764 | 0.07% | 0.003% |
| 191 | 13.744 | 13.738 | 13.749 | VV | 273 | 1716 | 0.03% | 0.002% |
| 192 | 13.774 | 13.749 | 13.807 | VV | 378 | 9616 | 0.17% | 0.009% |
| 193 | 13.825 | 13.807 | 13.886 | VV | 317 | 10407 | 0.19% | 0.010% |
| 194 | 13.892 | 13.886 | 13.921 | VV | 176 | 2988 | 0.05% | 0.003% |

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|---|---|---|---|---|---|---|---|---|
| 195 | 13.940 | 13.921 | 13.959 | VV | 216 | 4145 | 0.07% | 0.004% |
| 196 | 13.968 | 13.959 | 13.999 | VV | 303 | 6030 | 0.11% | 0.006% |
| 197 | 14.004 | 13.999 | 14.011 | VV | 279 | 1712 | 0.03% | 0.002% |
| 198 | 14.017 | 14.011 | 14.046 | VV | 244 | 3302 | 0.06% | 0.003% |
| 199 | 14.099 | 14.051 | 14.119 | VV | 1325 | 19792 | 0.36% | 0.018% |
| 200 | 14.147 | 14.119 | 14.229 | VV | 50592 | 646583 | 11.68% | 0.599% |
| 201 | 14.247 | 14.229 | 14.259 | VV | 196 | 2819 | 0.05% | 0.003% |
| 202 | 14.265 | 14.259 | 14.296 | VV | 269 | 4122 | 0.07% | 0.004% |
| 203 | 14.313 | 14.308 | 14.326 | VV | 145 | 1101 | 0.02% | 0.001% |
| 204 | 14.346 | 14.326 | 14.362 | VV | 173 | 1926 | 0.03% | 0.002% |
| 205 | 14.370 | 14.362 | 14.380 | VV | 162 | 1109 | 0.02% | 0.001% |
| 206 | 14.383 | 14.380 | 14.406 | VV | 110 | 1454 | 0.03% | 0.001% |
| 207 | 14.423 | 14.418 | 14.442 | VV | 118 | 1367 | 0.02% | 0.001% |
| 208 | 14.449 | 14.442 | 14.466 | VV | 147 | 1062 | 0.02% | 0.001% |
| 209 | 14.533 | 14.507 | 14.540 | VV | 126 | 1602 | 0.03% | 0.001% |
| 210 | 14.588 | 14.562 | 14.662 | VV | 1163 | 19427 | 0.35% | 0.018% |
| 211 | 14.664 | 14.662 | 14.696 | VV | 131 | 1495 | 0.03% | 0.001% |
| 212 | 14.713 | 14.696 | 14.736 | PV | 278 | 3610 | 0.07% | 0.003% |
| 213 | 14.743 | 14.736 | 14.760 | VV | 119 | 1080 | 0.02% | 0.001% |
| 214 | 14.787 | 14.760 | 14.817 | VV | 467 | 8596 | 0.16% | 0.008% |
| 215 | 14.838 | 14.827 | 14.847 | VV | 205 | 1970 | 0.04% | 0.002% |
| 216 | 14.868 | 14.847 | 14.914 | VV | 287 | 6400 | 0.12% | 0.006% |
| 217 | 14.922 | 14.914 | 14.947 | VV | 143 | 1598 | 0.03% | 0.001% |
| 218 | 15.004 | 14.979 | 15.027 | VV | 126 | 1760 | 0.03% | 0.002% |
| 219 | 15.060 | 15.036 | 15.082 | VV | 135 | 2580 | 0.05% | 0.002% |
| 220 | 15.086 | 15.082 | 15.137 | VV | 188 | 3273 | 0.06% | 0.003% |
| 221 | 15.195 | 15.137 | 15.214 | PV | 350705 | 4470292 | 80.77% | 4.139% |
| 222 | 15.238 | 15.214 | 15.405 | VV | 387705 | 5500482 | 99.39% | 5.093% |
| 223 | 15.422 | 15.405 | 15.457 | VV | 951 | 24406 | 0.44% | 0.023% |
| 224 | 15.472 | 15.457 | 15.508 | VV | 821 | 17633 | 0.32% | 0.016% |
| 225 | 15.513 | 15.508 | 15.524 | VV | 380 | 3019 | 0.05% | 0.003% |
| 226 | 15.544 | 15.524 | 15.557 | VV | 375 | 6225 | 0.11% | 0.006% |
| 227 | 15.562 | 15.557 | 15.576 | VV | 372 | 3417 | 0.06% | 0.003% |
| 228 | 15.580 | 15.576 | 15.594 | VV | 299 | 2524 | 0.05% | 0.002% |
| 229 | 15.625 | 15.594 | 15.656 | VV | 1307 | 22218 | 0.40% | 0.021% |
| 230 | 15.682 | 15.656 | 15.696 | VV | 359 | 5898 | 0.11% | 0.005% |
| 231 | 15.698 | 15.696 | 15.706 | VV | 262 | 1176 | 0.02% | 0.001% |
| 232 | 15.718 | 15.706 | 15.728 | VV | 258 | 2481 | 0.04% | 0.002% |
| 233 | 15.739 | 15.728 | 15.757 | VV | 266 | 3802 | 0.07% | 0.004% |
| 234 | 15.795 | 15.757 | 15.832 | VV | 5734 | 84502 | 1.53% | 0.078% |
| 235 | 15.839 | 15.832 | 15.854 | VV | 296 | 2600 | 0.05% | 0.002% |
| 236 | 15.863 | 15.854 | 15.868 | VV | 175 | 1176 | 0.02% | 0.001% |
| 237 | 15.871 | 15.868 | 15.889 | VV | 177 | 1223 | 0.02% | 0.001% |
| 238 | 15.905 | 15.889 | 15.934 | VV | 318 | 4772 | 0.09% | 0.004% |
| 239 | 15.961 | 15.949 | 15.966 | VV | 175 | 1247 | 0.02% | 0.001% |
| 240 | 15.969 | 15.966 | 15.988 | VV | 132 | 1206 | 0.02% | 0.001% |
| 241 | 15.994 | 15.988 | 16.022 | VV | 147 | 1615 | 0.03% | 0.001% |
| 242 | 16.057 | 16.022 | 16.066 | PV | 137 | 2304 | 0.04% | 0.002% |
| 243 | 16.091 | 16.082 | 16.119 | VV | 167 | 2745 | 0.05% | 0.003% |
| 244 | 16.131 | 16.119 | 16.136 | VV | 157 | 1174 | 0.02% | 0.001% |
| 245 | 16.145 | 16.136 | 16.166 | VV | 211 | 2829 | 0.05% | 0.003% |
| 246 | 16.179 | 16.166 | 16.194 | VV | 152 | 1716 | 0.03% | 0.002% |

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|---|---|---|---|---|---|---|---|---|
| 247 | 16.241 | 16.217 | 16.250 | VV | 707 | 8641 | 0.16% | 0.008% |
| 248 | 16.282 | 16.250 | 16.332 | VV | 44789 | 601662 | 10.87% | 0.557% |
| 249 | 16.340 | 16.332 | 16.349 | VV | 254 | 2318 | 0.04% | 0.002% |
| 250 | 16.354 | 16.349 | 16.366 | VV | 198 | 1587 | 0.03% | 0.001% |
| 251 | 16.421 | 16.396 | 16.447 | VV | 160 | 3464 | 0.06% | 0.003% |
| 252 | 16.474 | 16.447 | 16.539 | VV | 558 | 10457 | 0.19% | 0.010% |
| 253 | 16.599 | 16.567 | 16.618 | VV | 184 | 3693 | 0.07% | 0.003% |
| 254 | 16.647 | 16.634 | 16.684 | VV | 101 | 1659 | 0.03% | 0.002% |
| 255 | 16.759 | 16.684 | 16.774 | PV | 321920 | 4479596 | 80.94% | 4.148% |
| 256 | 16.792 | 16.774 | 16.885 | VV | 374531 | 4694562 | 84.83% | 4.347% |
| 257 | 16.903 | 16.885 | 16.997 | VV | 1616 | 63447 | 1.15% | 0.059% |
| 258 | 17.019 | 16.997 | 17.048 | VV | 664 | 15136 | 0.27% | 0.014% |
| 259 | 17.068 | 17.048 | 17.089 | VV | 419 | 9264 | 0.17% | 0.009% |
| 260 | 17.140 | 17.089 | 17.202 | VV | 335005 | 4417723 | 79.82% | 4.091% |
| 261 | 17.234 | 17.202 | 17.412 | VV | 44363 | 701019 | 12.67% | 0.649% |
| 262 | 17.421 | 17.412 | 17.434 | VV | 249 | 3067 | 0.06% | 0.003% |
| 263 | 17.442 | 17.434 | 17.477 | VV | 186 | 4453 | 0.08% | 0.004% |
| 264 | 17.526 | 17.477 | 17.534 | VV | 223 | 5686 | 0.10% | 0.005% |
| 265 | 17.568 | 17.534 | 17.626 | VV | 325 | 10390 | 0.19% | 0.010% |
| 266 | 17.685 | 17.626 | 17.749 | VV | 1830 | 33272 | 0.60% | 0.031% |
| 267 | 17.794 | 17.749 | 17.834 | PV | 245 | 6661 | 0.12% | 0.006% |
| 268 | 17.849 | 17.834 | 17.884 | VV | 152 | 2994 | 0.05% | 0.003% |
| 269 | 17.894 | 17.884 | 17.907 | VV | 117 | 1167 | 0.02% | 0.001% |
| 270 | 17.914 | 17.907 | 17.933 | VV | 116 | 1409 | 0.03% | 0.001% |
| 271 | 17.989 | 17.933 | 17.999 | VV | 304 | 6089 | 0.11% | 0.006% |
| 272 | 18.015 | 17.999 | 18.056 | VV | 318 | 6281 | 0.11% | 0.006% |
| 273 | 18.125 | 18.056 | 18.176 | VV | 39887 | 567171 | 10.25% | 0.525% |
| 274 | 18.215 | 18.176 | 18.251 | VV | 535 | 11036 | 0.20% | 0.010% |
| 275 | 18.268 | 18.251 | 18.286 | VV | 205 | 2508 | 0.05% | 0.002% |
| 276 | 18.320 | 18.286 | 18.352 | VV | 352 | 7846 | 0.14% | 0.007% |
| 277 | 18.355 | 18.352 | 18.376 | VV | 234 | 1690 | 0.03% | 0.002% |
| 278 | 18.413 | 18.376 | 18.432 | PV | 221 | 4451 | 0.08% | 0.004% |
| 279 | 18.451 | 18.432 | 18.469 | VV | 226 | 2114 | 0.04% | 0.002% |
| 280 | 18.520 | 18.469 | 18.536 | PV | 324376 | 4581605 | 82.79% | 4.242% |
| 281 | 18.557 | 18.536 | 18.727 | VV | 350725 | 4870276 | 88.00% | 4.510% |
| 282 | 18.777 | 18.727 | 18.851 | PBA | 326242 | 4738697 | 85.62% | 4.388% |

Sum of corrected areas: 107998472

Aromatic EPH 102925.M Tue Nov 18 01:17:46 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
Data File : FG016961.D
Signal(s) : FID1A.ch
Acq On : 20 Nov 2025 15:41
Operator : YP\AJ
Sample : Q3586-03MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
SED-3MSD

Integration File: autoint1.e
Quant Time: Nov 20 23:50:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 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 | | | |
| 12) S | 1-chlorooctadecane (S... | 13.494 | 6637711 | 55.115 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 110.23% |
| | Target Compounds | | | |
| 1) T | n-Nonane (C9) | 3.367 | 2317525 | 18.601 ug/ml |
| 2) T | n-Decane (C10) | 4.628 | 2815753 | 21.994 ug/ml |
| 4) T | n-Dodecane (C12) | 6.811 | 3175440 | 24.354 ug/ml |
| 6) T | n-Tetradecane (C14) | 8.651 | 3419902 | 26.769 ug/ml |
| 7) T | n-Hexadecane (C16) | 10.270 | 3920067 | 29.667 ug/ml |
| 8) T | n-Octadecane (C18) | 11.724 | 4293641 | 30.811 ug/ml |
| 10) T | n-Eicosane (C20) | 13.044 | 4505609 | 32.234 ug/ml |
| 11) T | n-Heneicosane (C21) | 13.659 | 4492454 | 32.312 ug/ml |
| 13) T | n-Docosane (C22) | 14.250 | 4496014 | 31.779 ug/ml |
| 14) T | n-Tetracosane (C24) | 15.360 | 4450096 | 30.267 ug/ml |
| 15) T | n-Hexacosane (C26) | 16.390 | 4302187 | 29.325 ug/ml |
| 16) T | n-Octacosane (C28) | 17.345 | 4138392 | 28.112 ug/ml |
| 17) T | n-Tricontane (C30) | 18.238 | 3894854 | 25.740 ug/ml |
| 18) T | n-Dotriacontane (C32) | 19.074 | 3705651 | 25.139 ug/ml |
| 19) T | n-Tetratriacontane (C34) | 19.863 | 3511347 | 27.248 ug/ml |
| 20) T | n-Hexatriacontane (C36) | 20.608 | 3272687 | 31.619 ug/ml |
| 21) T | n-Octatriacontane (C38) | 21.382 | 3165118 | 35.902 ug/ml |
| 22) T | n-Tetracontane (C40) | 22.363 | 3026544 | 38.653 ug/ml |

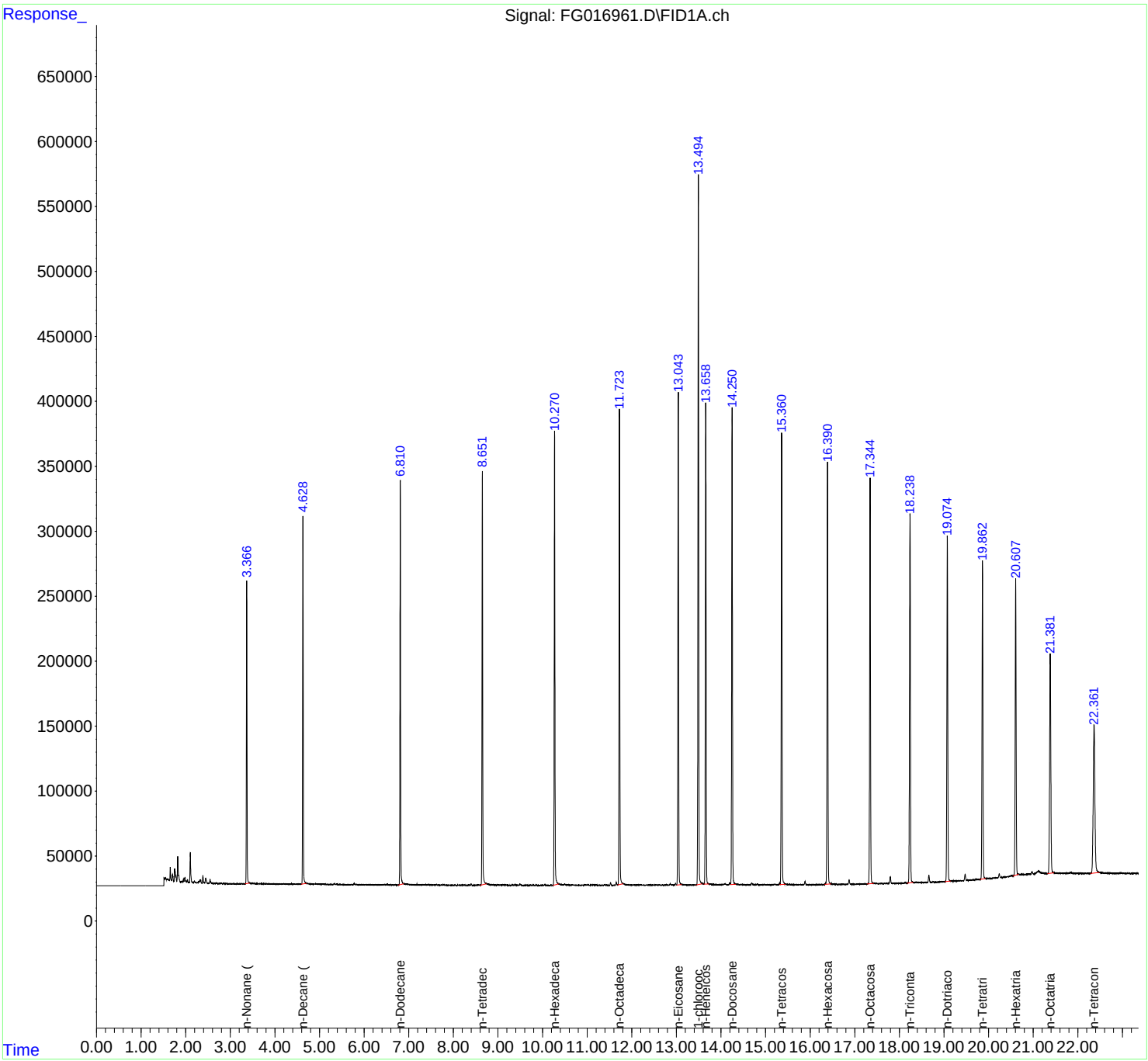
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112025AL\
Data File : FG016961.D
Signal(s) : FID1A.ch
Acq On : 20 Nov 2025 15:41
Operator : YP\AJ
Sample : Q3586-03MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
SED-3MSD

Integration File: autoint1.e
Quant Time: Nov 20 23:50:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.M
Quant Title : GC Extractables
QLast Update : Wed Oct 29 16:21:47 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_G\Data\FG112025AL\
Data File : FG016961.D
Signal(s) : FID1A.ch
Acq On : 20 Nov 2025 15:41
Sample : Q3586-03MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 102925.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 | 3.291 | 3.221 | 3.322 | BV | 82 | 984 | 0.01% | 0.001% |
| 2 | 3.367 | 3.322 | 3.500 | PV | 231019 | 2362424 | 35.17% | 3.009% |
| 3 | 3.512 | 3.500 | 3.565 | VV | 458 | 12771 | 0.19% | 0.016% |
| 4 | 3.584 | 3.565 | 3.601 | VV | 350 | 6109 | 0.09% | 0.008% |
| 5 | 3.611 | 3.601 | 3.645 | VV | 368 | 7331 | 0.11% | 0.009% |
| 6 | 3.685 | 3.645 | 3.728 | VV | 362 | 13489 | 0.20% | 0.017% |
| 7 | 3.742 | 3.728 | 3.805 | VV | 288 | 9936 | 0.15% | 0.013% |
| 8 | 3.818 | 3.805 | 3.866 | VV | 213 | 6366 | 0.09% | 0.008% |
| 9 | 3.881 | 3.866 | 3.938 | VV | 187 | 5755 | 0.09% | 0.007% |
| 10 | 3.963 | 3.938 | 4.043 | VV | 202 | 8339 | 0.12% | 0.011% |
| 11 | 4.058 | 4.043 | 4.078 | VV | 161 | 2321 | 0.03% | 0.003% |
| 12 | 4.090 | 4.078 | 4.135 | VV | 130 | 3101 | 0.05% | 0.004% |
| 13 | 4.164 | 4.135 | 4.184 | VV | 281 | 4662 | 0.07% | 0.006% |
| 14 | 4.201 | 4.184 | 4.225 | VV | 457 | 6200 | 0.09% | 0.008% |
| 15 | 4.237 | 4.225 | 4.255 | VV | 151 | 2184 | 0.03% | 0.003% |
| 16 | 4.277 | 4.255 | 4.309 | VV | 364 | 5753 | 0.09% | 0.007% |
| 17 | 4.319 | 4.309 | 4.341 | VV | 123 | 2134 | 0.03% | 0.003% |
| 18 | 4.371 | 4.341 | 4.495 | VV | 378 | 15452 | 0.23% | 0.020% |
| 19 | 4.499 | 4.495 | 4.508 | VV | 132 | 920 | 0.01% | 0.001% |
| 20 | 4.538 | 4.508 | 4.561 | VV | 444 | 6826 | 0.10% | 0.009% |
| 21 | 4.567 | 4.561 | 4.591 | VV | 185 | 2406 | 0.04% | 0.003% |
| 22 | 4.628 | 4.591 | 4.728 | VV | 282233 | 2859332 | 42.57% | 3.642% |
| 23 | 4.746 | 4.728 | 4.795 | VV | 722 | 20797 | 0.31% | 0.026% |
| 24 | 4.817 | 4.795 | 4.863 | VV | 601 | 17447 | 0.26% | 0.022% |
| 25 | 4.879 | 4.863 | 4.898 | VV | 473 | 7782 | 0.12% | 0.010% |
| 26 | 4.915 | 4.898 | 4.955 | VV | 674 | 13001 | 0.19% | 0.017% |
| 27 | 4.968 | 4.955 | 5.011 | VV | 286 | 8794 | 0.13% | 0.011% |
| 28 | 5.054 | 5.011 | 5.072 | VV | 322 | 9543 | 0.14% | 0.012% |
| 29 | 5.082 | 5.072 | 5.088 | VV | 240 | 2174 | 0.03% | 0.003% |
| 30 | 5.095 | 5.088 | 5.103 | VV | 280 | 2092 | 0.03% | 0.003% |
| 31 | 5.111 | 5.103 | 5.123 | VV | 243 | 2591 | 0.04% | 0.003% |

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|---|---|---|---|---|---|---|---|---|
| 32 | 5.134 | 5.123 | 5.172 | VV | 226 | 5016 | 0.07% | 0.006% |
| 33 | 5.192 | 5.172 | 5.202 | VV | 159 | 2668 | 0.04% | 0.003% |
| 34 | 5.214 | 5.202 | 5.229 | VV | 176 | 2551 | 0.04% | 0.003% |
| 35 | 5.248 | 5.229 | 5.288 | VV | 194 | 4552 | 0.07% | 0.006% |
| 36 | 5.335 | 5.288 | 5.366 | VV | 1059 | 17770 | 0.26% | 0.023% |
| 37 | 5.394 | 5.366 | 5.435 | VV | 369 | 8686 | 0.13% | 0.011% |
| 38 | 5.453 | 5.435 | 5.495 | VV | 292 | 5555 | 0.08% | 0.007% |
| 39 | 5.509 | 5.495 | 5.517 | VV | 99 | 1114 | 0.02% | 0.001% |
| 40 | 5.525 | 5.517 | 5.552 | VV | 115 | 1909 | 0.03% | 0.002% |
| 41 | 5.560 | 5.552 | 5.581 | VV | 127 | 1604 | 0.02% | 0.002% |
| 42 | 5.587 | 5.581 | 5.601 | VV | 112 | 1043 | 0.02% | 0.001% |
| 43 | 5.607 | 5.601 | 5.615 | VV | 92 | 667 | 0.01% | 0.001% |
| 44 | 5.623 | 5.615 | 5.639 | VV | 110 | 1019 | 0.02% | 0.001% |
| 45 | 5.655 | 5.639 | 5.701 | VV | 138 | 3476 | 0.05% | 0.004% |
| 46 | 5.714 | 5.701 | 5.724 | VV | 117 | 1371 | 0.02% | 0.002% |
| 47 | 5.737 | 5.724 | 5.749 | VV | 115 | 1693 | 0.03% | 0.002% |
| 48 | 5.776 | 5.749 | 5.801 | VV | 894 | 13130 | 0.20% | 0.017% |
| 49 | 5.816 | 5.801 | 5.858 | VV | 446 | 7892 | 0.12% | 0.010% |
| 50 | 5.862 | 5.858 | 5.867 | VV | 144 | 690 | 0.01% | 0.001% |
| 51 | 5.877 | 5.867 | 5.909 | VV | 187 | 3659 | 0.05% | 0.005% |
| 52 | 5.967 | 5.909 | 6.003 | VV | 238 | 7943 | 0.12% | 0.010% |
| 53 | 6.041 | 6.003 | 6.053 | VV | 177 | 3135 | 0.05% | 0.004% |
| 54 | 6.089 | 6.053 | 6.109 | VV | 190 | 4283 | 0.06% | 0.005% |
| 55 | 6.147 | 6.109 | 6.195 | VV | 274 | 5960 | 0.09% | 0.008% |
| 56 | 6.208 | 6.195 | 6.238 | VV | 148 | 1824 | 0.03% | 0.002% |
| 57 | 6.254 | 6.238 | 6.287 | PV | 225 | 2742 | 0.04% | 0.003% |
| 58 | 6.305 | 6.287 | 6.331 | VV | 194 | 2966 | 0.04% | 0.004% |
| 59 | 6.368 | 6.331 | 6.390 | VV | 386 | 6952 | 0.10% | 0.009% |
| 60 | 6.409 | 6.390 | 6.432 | VV | 432 | 5763 | 0.09% | 0.007% |
| 61 | 6.454 | 6.432 | 6.488 | VV | 707 | 10190 | 0.15% | 0.013% |
| 62 | 6.518 | 6.488 | 6.558 | VV | 799 | 11484 | 0.17% | 0.015% |
| 63 | 6.566 | 6.558 | 6.573 | VV | 134 | 996 | 0.01% | 0.001% |
| 64 | 6.591 | 6.573 | 6.618 | VV | 172 | 3642 | 0.05% | 0.005% |
| 65 | 6.625 | 6.618 | 6.677 | VV | 124 | 2214 | 0.03% | 0.003% |
| 66 | 6.699 | 6.677 | 6.726 | VV | 140 | 2308 | 0.03% | 0.003% |
| 67 | 6.735 | 6.726 | 6.762 | VV | 72 | 827 | 0.01% | 0.001% |
| 68 | 6.811 | 6.762 | 6.928 | PV | 310694 | 3236552 | 48.19% | 4.122% |
| 69 | 6.934 | 6.928 | 6.948 | VV | 779 | 8729 | 0.13% | 0.011% |
| 70 | 6.964 | 6.948 | 6.990 | VV | 1100 | 19169 | 0.29% | 0.024% |
| 71 | 7.004 | 6.990 | 7.025 | VV | 577 | 10626 | 0.16% | 0.014% |
| 72 | 7.039 | 7.025 | 7.082 | VV | 630 | 14642 | 0.22% | 0.019% |
| 73 | 7.095 | 7.082 | 7.128 | VV | 403 | 8823 | 0.13% | 0.011% |
| 74 | 7.153 | 7.128 | 7.175 | VV | 350 | 8090 | 0.12% | 0.010% |
| 75 | 7.178 | 7.175 | 7.213 | VV | 333 | 6091 | 0.09% | 0.008% |
| 76 | 7.224 | 7.213 | 7.245 | VV | 294 | 4437 | 0.07% | 0.006% |
| 77 | 7.268 | 7.245 | 7.300 | VV | 292 | 8165 | 0.12% | 0.010% |
| 78 | 7.327 | 7.300 | 7.365 | VV | 480 | 13773 | 0.21% | 0.018% |
| 79 | 7.388 | 7.365 | 7.413 | VV | 475 | 9941 | 0.15% | 0.013% |

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|---|---|---|---|---|---|---|---|---|
| 80 | 7.448 | 7.413 | 7.475 | VV | 541 | 13887 | 0.21% | 0.018% |
| 81 | 7.492 | 7.475 | 7.543 | VV | 418 | 9445 | 0.14% | 0.012% |
| 82 | 7.558 | 7.543 | 7.584 | VV | 230 | 4046 | 0.06% | 0.005% |
| 83 | 7.618 | 7.584 | 7.657 | VV | 812 | 13572 | 0.20% | 0.017% |
| 84 | 7.682 | 7.657 | 7.711 | VV | 212 | 4833 | 0.07% | 0.006% |
| 85 | 7.728 | 7.711 | 7.740 | VV | 176 | 2669 | 0.04% | 0.003% |
| 86 | 7.765 | 7.740 | 7.815 | VV | 674 | 13486 | 0.20% | 0.017% |
| 87 | 7.823 | 7.815 | 7.841 | VV | 194 | 2375 | 0.04% | 0.003% |
| 88 | 7.856 | 7.841 | 7.915 | VV | 187 | 4056 | 0.06% | 0.005% |
| 89 | 7.927 | 7.915 | 7.945 | VV | 114 | 1198 | 0.02% | 0.002% |
| 90 | 7.981 | 7.945 | 7.998 | PV | 127 | 2010 | 0.03% | 0.003% |
| 91 | 8.029 | 7.998 | 8.067 | VV | 375 | 6733 | 0.10% | 0.009% |
| 92 | 8.098 | 8.067 | 8.111 | VV | 177 | 3554 | 0.05% | 0.005% |
| 93 | 8.128 | 8.111 | 8.163 | VV | 279 | 4734 | 0.07% | 0.006% |
| 94 | 8.202 | 8.163 | 8.235 | VV | 216 | 5347 | 0.08% | 0.007% |
| 95 | 8.255 | 8.235 | 8.285 | VV | 184 | 3540 | 0.05% | 0.005% |
| 96 | 8.296 | 8.285 | 8.315 | VV | 162 | 2224 | 0.03% | 0.003% |
| 97 | 8.344 | 8.315 | 8.371 | VV | 493 | 7167 | 0.11% | 0.009% |
| 98 | 8.399 | 8.371 | 8.495 | VV | 1340 | 19043 | 0.28% | 0.024% |
| 99 | 8.558 | 8.495 | 8.615 | VV | 703 | 14143 | 0.21% | 0.018% |
| 100 | 8.651 | 8.615 | 8.831 | VV | 320002 | 3521025 | 52.42% | 4.485% |
| 101 | 8.848 | 8.831 | 8.870 | VV | 526 | 11105 | 0.17% | 0.014% |
| 102 | 8.885 | 8.870 | 8.981 | VV | 470 | 18471 | 0.27% | 0.024% |
| 103 | 9.001 | 8.981 | 9.079 | VV | 300 | 14202 | 0.21% | 0.018% |
| 104 | 9.118 | 9.079 | 9.138 | VV | 348 | 9161 | 0.14% | 0.012% |
| 105 | 9.150 | 9.138 | 9.180 | VV | 377 | 7391 | 0.11% | 0.009% |
| 106 | 9.200 | 9.180 | 9.236 | VV | 360 | 8228 | 0.12% | 0.010% |
| 107 | 9.255 | 9.236 | 9.268 | VV | 159 | 2397 | 0.04% | 0.003% |
| 108 | 9.271 | 9.268 | 9.296 | VV | 149 | 1774 | 0.03% | 0.002% |
| 109 | 9.334 | 9.296 | 9.363 | VV | 277 | 7463 | 0.11% | 0.010% |
| 110 | 9.386 | 9.363 | 9.405 | VV | 452 | 7132 | 0.11% | 0.009% |
| 111 | 9.418 | 9.405 | 9.431 | VV | 285 | 3506 | 0.05% | 0.004% |
| 112 | 9.449 | 9.431 | 9.465 | VV | 230 | 3995 | 0.06% | 0.005% |
| 113 | 9.497 | 9.465 | 9.557 | VV | 978 | 20447 | 0.30% | 0.026% |
| 114 | 9.572 | 9.557 | 9.598 | VV | 177 | 2246 | 0.03% | 0.003% |
| 115 | 9.623 | 9.598 | 9.638 | VV | 156 | 2103 | 0.03% | 0.003% |
| 116 | 9.646 | 9.638 | 9.689 | VV | 159 | 3734 | 0.06% | 0.005% |
| 117 | 9.743 | 9.689 | 9.758 | VV | 266 | 6021 | 0.09% | 0.008% |
| 118 | 9.786 | 9.758 | 9.830 | VV | 351 | 5875 | 0.09% | 0.007% |
| 119 | 9.855 | 9.830 | 9.889 | PV | 398 | 5763 | 0.09% | 0.007% |
| 120 | 9.906 | 9.889 | 9.944 | VV | 186 | 3148 | 0.05% | 0.004% |
| 121 | 9.957 | 9.944 | 9.973 | VV | 79 | 1101 | 0.02% | 0.001% |
| 122 | 10.001 | 9.973 | 10.025 | VV | 333 | 5467 | 0.08% | 0.007% |
| 123 | 10.048 | 10.025 | 10.081 | VV | 926 | 11409 | 0.17% | 0.015% |
| 124 | 10.115 | 10.081 | 10.154 | VV | 149 | 3255 | 0.05% | 0.004% |
| 125 | 10.191 | 10.154 | 10.232 | PV | 610 | 10089 | 0.15% | 0.013% |
| 126 | 10.270 | 10.232 | 10.471 | VV | 344858 | 4013405 | 59.75% | 5.112% |

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|---|---|---|---|---|---|---|---|---|
| 127 | 10.498 | 10.471 | 10.578 | VV | 1068 | 31289 | 0.47% | 0.040% |
| 128 | 10.592 | 10.578 | 10.637 | VV | 307 | 9162 | 0.14% | 0.012% |
| 129 | 10.661 | 10.637 | 10.687 | VV | 373 | 8347 | 0.12% | 0.011% |
| 130 | 10.701 | 10.687 | 10.727 | VV | 268 | 5264 | 0.08% | 0.007% |
| 131 | 10.753 | 10.727 | 10.791 | VV | 286 | 6472 | 0.10% | 0.008% |
| 132 | 10.822 | 10.791 | 10.856 | VV | 187 | 5218 | 0.08% | 0.007% |
| 133 | 10.880 | 10.856 | 10.891 | VV | 148 | 2746 | 0.04% | 0.003% |
| 134 | 10.916 | 10.891 | 10.927 | VV | 205 | 3447 | 0.05% | 0.004% |
| 135 | 10.958 | 10.927 | 10.973 | VV | 282 | 6131 | 0.09% | 0.008% |
| 136 | 10.988 | 10.973 | 10.998 | VV | 295 | 3782 | 0.06% | 0.005% |
| 137 | 11.018 | 10.998 | 11.058 | VV | 512 | 9350 | 0.14% | 0.012% |
| 138 | 11.073 | 11.058 | 11.085 | VV | 194 | 2685 | 0.04% | 0.003% |
| 139 | 11.139 | 11.085 | 11.185 | VV | 512 | 14797 | 0.22% | 0.019% |
| 140 | 11.205 | 11.185 | 11.221 | VV | 245 | 4192 | 0.06% | 0.005% |
| 141 | 11.230 | 11.221 | 11.257 | VV | 220 | 2666 | 0.04% | 0.003% |
| 142 | 11.273 | 11.257 | 11.287 | VV | 119 | 1587 | 0.02% | 0.002% |
| 143 | 11.298 | 11.287 | 11.314 | VV | 102 | 1143 | 0.02% | 0.001% |
| 144 | 11.341 | 11.314 | 11.366 | VV | 288 | 4859 | 0.07% | 0.006% |
| 145 | 11.391 | 11.366 | 11.419 | VV | 522 | 8384 | 0.12% | 0.011% |
| 146 | 11.439 | 11.419 | 11.497 | VV | 225 | 5062 | 0.08% | 0.006% |
| 147 | 11.525 | 11.497 | 11.565 | PV | 2168 | 26347 | 0.39% | 0.034% |
| 148 | 11.581 | 11.565 | 11.624 | VV | 82 | 995 | 0.01% | 0.001% |
| 149 | 11.654 | 11.624 | 11.683 | PV | 2147 | 29844 | 0.44% | 0.038% |
| 150 | 11.723 | 11.683 | 11.921 | VV | 365219 | 4392309 | 65.39% | 5.594% |
| 151 | 11.935 | 11.921 | 11.987 | VV | 345 | 9974 | 0.15% | 0.013% |
| 152 | 12.003 | 11.987 | 12.093 | VV | 251 | 13542 | 0.20% | 0.017% |
| 153 | 12.127 | 12.093 | 12.158 | VV | 293 | 7962 | 0.12% | 0.010% |
| 154 | 12.190 | 12.158 | 12.272 | VV | 387 | 12521 | 0.19% | 0.016% |
| 155 | 12.293 | 12.272 | 12.310 | VV | 133 | 2357 | 0.04% | 0.003% |
| 156 | 12.325 | 12.310 | 12.335 | VV | 177 | 1858 | 0.03% | 0.002% |
| 157 | 12.398 | 12.335 | 12.428 | VV | 319 | 10195 | 0.15% | 0.013% |
| 158 | 12.435 | 12.428 | 12.459 | VV | 167 | 2278 | 0.03% | 0.003% |
| 159 | 12.469 | 12.459 | 12.478 | VV | 117 | 1078 | 0.02% | 0.001% |
| 160 | 12.533 | 12.478 | 12.580 | VV | 185 | 6677 | 0.10% | 0.009% |
| 161 | 12.617 | 12.580 | 12.655 | VV | 215 | 5274 | 0.08% | 0.007% |
| 162 | 12.685 | 12.655 | 12.712 | VV | 170 | 3569 | 0.05% | 0.005% |
| 163 | 12.730 | 12.712 | 12.750 | VV | 189 | 2484 | 0.04% | 0.003% |
| 164 | 12.776 | 12.750 | 12.807 | VV | 342 | 6189 | 0.09% | 0.008% |
| 165 | 12.864 | 12.807 | 12.888 | VV | 1053 | 19452 | 0.29% | 0.025% |
| 166 | 12.901 | 12.888 | 12.953 | VV | 312 | 4983 | 0.07% | 0.006% |
| 167 | 12.982 | 12.953 | 13.005 | PV | 1625 | 20483 | 0.30% | 0.026% |
| 168 | 13.043 | 13.005 | 13.140 | VV | 378642 | 4534289 | 67.51% | 5.775% |
| 169 | 13.161 | 13.140 | 13.287 | VV | 580 | 20523 | 0.31% | 0.026% |
| 170 | 13.298 | 13.287 | 13.315 | VV | 160 | 1905 | 0.03% | 0.002% |
| 171 | 13.333 | 13.315 | 13.349 | VV | 123 | 2396 | 0.04% | 0.003% |
| 172 | 13.370 | 13.349 | 13.398 | VV | 149 | 2862 | 0.04% | 0.004% |
| 173 | 13.494 | 13.398 | 13.625 | VV | 548085 | 6716836 | 100.00% | 8.555% |
| 174 | 13.659 | 13.625 | 13.813 | VV | 373073 | 4577142 | 68.14% | 5.830% |

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|---|---|---|---|---|---|---|---|---|
| 175 | 13.840 | 13.813 | 13.911 | VV | 620 | 25015 | 0.37% | 0.032% |
| 176 | 13.924 | 13.911 | 13.988 | VV | 370 | 13574 | 0.20% | 0.017% |
| 177 | 14.007 | 13.988 | 14.016 | VV | 308 | 4814 | 0.07% | 0.006% |
| 178 | 14.040 | 14.016 | 14.056 | VV | 642 | 10948 | 0.16% | 0.014% |
| 179 | 14.089 | 14.056 | 14.133 | VV | 1120 | 28585 | 0.43% | 0.036% |
| 180 | 14.150 | 14.133 | 14.170 | VV | 312 | 5975 | 0.09% | 0.008% |
| 181 | 14.196 | 14.170 | 14.214 | VV | 1737 | 24517 | 0.37% | 0.031% |
| 182 | 14.250 | 14.214 | 14.356 | VV | 372430 | 4537824 | 67.56% | 5.780% |
| 183 | 14.377 | 14.356 | 14.418 | VV | 681 | 16673 | 0.25% | 0.021% |
| 184 | 14.451 | 14.418 | 14.468 | VV | 403 | 10862 | 0.16% | 0.014% |
| 185 | 14.480 | 14.468 | 14.532 | VV | 354 | 9673 | 0.14% | 0.012% |
| 186 | 14.540 | 14.532 | 14.566 | VV | 177 | 3631 | 0.05% | 0.005% |
| 187 | 14.586 | 14.566 | 14.605 | VV | 204 | 4135 | 0.06% | 0.005% |
| 188 | 14.615 | 14.605 | 14.653 | VV | 200 | 4878 | 0.07% | 0.006% |
| 189 | 14.694 | 14.653 | 14.755 | VV | 1250 | 29253 | 0.44% | 0.037% |
| 190 | 14.761 | 14.755 | 14.795 | VV | 203 | 3967 | 0.06% | 0.005% |
| 191 | 14.817 | 14.795 | 14.871 | VV | 949 | 16528 | 0.25% | 0.021% |
| 192 | 14.879 | 14.871 | 14.894 | VV | 100 | 1593 | 0.02% | 0.002% |
| 193 | 14.914 | 14.894 | 14.937 | VV | 194 | 4013 | 0.06% | 0.005% |
| 194 | 14.981 | 14.937 | 15.056 | VV | 410 | 13703 | 0.20% | 0.017% |
| 195 | 15.070 | 15.056 | 15.081 | VV | 145 | 1504 | 0.02% | 0.002% |
| 196 | 15.096 | 15.081 | 15.114 | VV | 148 | 2211 | 0.03% | 0.003% |
| 197 | 15.133 | 15.114 | 15.154 | VV | 129 | 2364 | 0.04% | 0.003% |
| 198 | 15.166 | 15.154 | 15.177 | VV | 166 | 1499 | 0.02% | 0.002% |
| 199 | 15.204 | 15.177 | 15.242 | VV | 490 | 10651 | 0.16% | 0.014% |
| 200 | 15.252 | 15.242 | 15.268 | VV | 153 | 1602 | 0.02% | 0.002% |
| 201 | 15.315 | 15.268 | 15.324 | VV | 1175 | 14965 | 0.22% | 0.019% |
| 202 | 15.361 | 15.324 | 15.485 | VV | 345913 | 4484518 | 66.77% | 5.712% |
| 203 | 15.493 | 15.485 | 15.511 | VV | 326 | 4477 | 0.07% | 0.006% |
| 204 | 15.528 | 15.511 | 15.685 | VV | 319 | 15219 | 0.23% | 0.019% |
| 205 | 15.697 | 15.685 | 15.718 | VV | 103 | 1271 | 0.02% | 0.002% |
| 206 | 15.742 | 15.718 | 15.761 | VV | 154 | 2471 | 0.04% | 0.003% |
| 207 | 15.779 | 15.761 | 15.827 | VV | 267 | 4617 | 0.07% | 0.006% |
| 208 | 15.884 | 15.827 | 15.963 | VV | 2588 | 37905 | 0.56% | 0.048% |
| 209 | 15.991 | 15.963 | 16.130 | PV | 79 | 2109 | 0.03% | 0.003% |
| 210 | 16.208 | 16.130 | 16.229 | PV | 170 | 4982 | 0.07% | 0.006% |
| 211 | 16.254 | 16.229 | 16.294 | VV | 231 | 4626 | 0.07% | 0.006% |
| 212 | 16.389 | 16.294 | 16.548 | VV | 319298 | 4353697 | 64.82% | 5.545% |
| 213 | 16.560 | 16.548 | 16.655 | VV | 195 | 8221 | 0.12% | 0.010% |
| 214 | 16.700 | 16.655 | 16.724 | VV | 199 | 4339 | 0.06% | 0.006% |
| 215 | 16.746 | 16.724 | 16.768 | VV | 164 | 2557 | 0.04% | 0.003% |
| 216 | 16.785 | 16.768 | 16.798 | PV | 92 | 758 | 0.01% | 0.001% |
| 217 | 16.809 | 16.798 | 16.814 | VV | 40 | 251 | 0.00% | 0.000% |
| 218 | 16.874 | 16.814 | 16.944 | VV | 3543 | 53822 | 0.80% | 0.069% |
| 219 | 16.979 | 16.944 | 16.994 | PV | 100 | 1447 | 0.02% | 0.002% |
| 220 | 17.004 | 16.994 | 17.023 | VV | 82 | 966 | 0.01% | 0.001% |
| 221 | 17.049 | 17.023 | 17.068 | VV | 198 | 3539 | 0.05% | 0.005% |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 222 | 17.078 | 17.068 | 17.129 | VV | 133 | 2843 | 0.04% | 0.004% |
| 223 | 17.176 | 17.129 | 17.194 | VV | 147 | 3026 | 0.05% | 0.004% |
| 224 | 17.223 | 17.194 | 17.279 | VV | 280 | 6549 | 0.10% | 0.008% |
| 225 | 17.344 | 17.279 | 17.538 | VV | 309678 | 4176554 | 62.18% | 5.319% |
| 226 | 17.581 | 17.538 | 17.605 | VV | 223 | 6637 | 0.10% | 0.008% |
| 227 | 17.613 | 17.605 | 17.655 | VV | 179 | 4542 | 0.07% | 0.006% |
| 228 | 17.682 | 17.655 | 17.701 | VV | 168 | 2855 | 0.04% | 0.004% |
| 229 | 17.797 | 17.701 | 17.861 | VV | 5290 | 84621 | 1.26% | 0.108% |
| 230 | 17.902 | 17.861 | 17.951 | VV | 219 | 6949 | 0.10% | 0.009% |
| 231 | 17.966 | 17.951 | 17.972 | VV | 68 | 638 | 0.01% | 0.001% |
| 232 | 18.010 | 17.972 | 18.040 | VV | 105 | 2452 | 0.04% | 0.003% |
| 233 | 18.079 | 18.040 | 18.097 | PV | 170 | 3129 | 0.05% | 0.004% |
| 234 | 18.126 | 18.097 | 18.164 | VV | 875 | 13298 | 0.20% | 0.017% |
| 235 | 18.238 | 18.164 | 18.354 | PV | 284477 | 3927224 | 58.47% | 5.002% |
| 236 | 18.387 | 18.354 | 18.478 | VV | 623 | 20321 | 0.30% | 0.026% |
| 237 | 18.513 | 18.478 | 18.535 | VV | 358 | 6163 | 0.09% | 0.008% |
| 238 | 18.559 | 18.535 | 18.575 | VV | 182 | 2113 | 0.03% | 0.003% |
| 239 | 18.591 | 18.575 | 18.608 | VV | 111 | 1507 | 0.02% | 0.002% |
| 240 | 18.661 | 18.608 | 18.732 | VV | 5624 | 85036 | 1.27% | 0.108% |
| 241 | 18.756 | 18.732 | 18.785 | VV | 583 | 8505 | 0.13% | 0.011% |
| 242 | 18.795 | 18.785 | 18.805 | VV | 76 | 350 | 0.01% | 0.000% |
| 243 | 18.922 | 18.805 | 18.961 | PV | 288 | 5445 | 0.08% | 0.007% |
| 244 | 18.972 | 18.961 | 18.994 | VV | 161 | 1807 | 0.03% | 0.002% |
| 245 | 19.074 | 18.994 | 19.158 | PV | 265559 | 3729295 | 55.52% | 4.750% |
| 246 | 19.178 | 19.158 | 19.208 | VV | 431 | 9204 | 0.14% | 0.012% |
| 247 | 19.228 | 19.208 | 19.267 | VV | 336 | 7720 | 0.11% | 0.010% |
| 248 | 19.331 | 19.267 | 19.350 | VV | 339 | 8100 | 0.12% | 0.010% |
| 249 | 19.374 | 19.350 | 19.419 | VV | 213 | 4712 | 0.07% | 0.006% |
| 250 | 19.474 | 19.419 | 19.545 | PV | 4978 | 81387 | 1.21% | 0.104% |
| 251 | 19.601 | 19.545 | 19.613 | VV | 246 | 7083 | 0.11% | 0.009% |
| 252 | 19.651 | 19.613 | 19.664 | VV | 332 | 7486 | 0.11% | 0.010% |
| 253 | 19.721 | 19.664 | 19.745 | VV | 504 | 14511 | 0.22% | 0.018% |
| 254 | 19.766 | 19.745 | 19.787 | VV | 400 | 7598 | 0.11% | 0.010% |
| 255 | 19.863 | 19.787 | 19.956 | VV | 242415 | 3565870 | 53.09% | 4.542% |
| 256 | 19.966 | 19.956 | 19.975 | VV | 692 | 7711 | 0.11% | 0.010% |
| 257 | 20.018 | 19.975 | 20.043 | VV | 652 | 25687 | 0.38% | 0.033% |
| 258 | 20.061 | 20.043 | 20.070 | VV | 628 | 9684 | 0.14% | 0.012% |
| 259 | 20.106 | 20.070 | 20.125 | VV | 860 | 23714 | 0.35% | 0.030% |
| 260 | 20.152 | 20.125 | 20.185 | VV | 980 | 30858 | 0.46% | 0.039% |
| 261 | 20.239 | 20.185 | 20.275 | VV | 3839 | 85433 | 1.27% | 0.109% |
| 262 | 20.292 | 20.275 | 20.319 | VV | 931 | 22830 | 0.34% | 0.029% |
| 263 | 20.434 | 20.319 | 20.448 | VV | 1170 | 80437 | 1.20% | 0.102% |
| 264 | 20.511 | 20.448 | 20.542 | VV | 1808 | 83132 | 1.24% | 0.106% |
| 265 | 20.608 | 20.542 | 20.720 | VV | 227249 | 3489279 | 51.95% | 4.444% |
| 266 | 20.758 | 20.720 | 20.771 | VV | 2195 | 66723 | 0.99% | 0.085% |
| 267 | 20.785 | 20.771 | 20.808 | VV | 2160 | 46997 | 0.70% | 0.060% |
| 268 | 20.885 | 20.808 | 20.918 | VV | 2277 | 142900 | 2.13% | 0.182% |
| 269 | 20.974 | 20.918 | 21.015 | VV | 3945 | 150651 | 2.24% | 0.192% |

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|---|---|---|---|---|---|---|---|---|
| 270 | 21.118 | 21.015 | 21.200 | VV | 3951 | 332759 | 4.95% | 0.424% |
| 271 | 21.219 | 21.200 | 21.268 | VV | 2297 | 85905 | 1.28% | 0.109% |
| 272 | 21.283 | 21.268 | 21.316 | VV | 1960 | 54295 | 0.81% | 0.069% |
| 273 | 21.382 | 21.316 | 21.521 | VV | 168943 | 3396419 | 50.57% | 4.326% |
| 274 | 21.536 | 21.521 | 21.618 | VV | 1667 | 88875 | 1.32% | 0.113% |
| 275 | 21.631 | 21.618 | 21.703 | VV | 1337 | 64376 | 0.96% | 0.082% |
| 276 | 21.744 | 21.703 | 21.765 | VV | 1237 | 42674 | 0.64% | 0.054% |
| 277 | 21.774 | 21.765 | 21.796 | VV | 1067 | 19059 | 0.28% | 0.024% |
| 278 | 21.840 | 21.796 | 21.891 | VV | 1708 | 69187 | 1.03% | 0.088% |
| 279 | 21.897 | 21.891 | 21.911 | VV | 837 | 9539 | 0.14% | 0.012% |
| 280 | 21.918 | 21.911 | 21.928 | VV | 748 | 7348 | 0.11% | 0.009% |
| 281 | 21.954 | 21.928 | 22.034 | VV | 728 | 38368 | 0.57% | 0.049% |
| 282 | 22.062 | 22.034 | 22.085 | VV | 471 | 12631 | 0.19% | 0.016% |
| 283 | 22.091 | 22.085 | 22.121 | VV | 390 | 6529 | 0.10% | 0.008% |
| 284 | 22.169 | 22.121 | 22.205 | VV | 257 | 9009 | 0.13% | 0.011% |
| 285 | 22.248 | 22.205 | 22.265 | VV | 97 | 2710 | 0.04% | 0.003% |
| 286 | 22.364 | 22.265 | 22.501 | PBA | 113168 | 3038995 | 45.24% | 3.871% |

Sum of corrected areas: 78515222

Aliphatic EPH 102925.M Fri Nov 21 00:25:51 2025

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# Manual Integration Report

| Sequence: | FF102925AR | Instrument | FID_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|

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# Manual Integration Report

| Sequence: | FF111725AR | Instrument | FID_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| 20 PPM AROMATIC HC | FF016716.D | Indeno[1,2,3-cd]pyrene (C35.01) | rahul | 11/18/2025 11:02:04 AM | mohammad | 11/19/2025 12:23:12 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | FG102925AL | Instrument | FID_g |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|

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# Manual Integration Report

| Sequence: | FG111725AL | Instrument | FID_g |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|

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

# Manual Integration Report

| Sequence: | FG112025AL | Instrument | FID_g |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|

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Fax : 908 789 8922



**Instrument ID: FID_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # FF102925AR

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/29/2025 1:14:34 PM | | |
| Supervise By | Sohil | Supervise On | 10/30/2025 4:01:10 PM | | |
| SubDirectory | FF102925AR | HP Acquire Method | | HP Processing Method | FF102925AR |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24954,PP24956,PP24957,PP24958,PP24959 |
| CCC | PP24961 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24955,PP24960 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | MECL2 | FF016609.D | 29 Oct 2025 13:36 | YP\AJ | Ok |
| 2 | I.BLK | FF016610.D | 29 Oct 2025 14:05 | YP\AJ | Ok |
| 3 | 100 PPM AROMATIC HC STD1 | FF016611.D | 29 Oct 2025 14:35 | YP\AJ | Not Ok |
| 4 | 50 PPM AROMATIC HC STD2 | FF016612.D | 29 Oct 2025 15:04 | YP\AJ | Ok |
| 5 | 20 PPM AROMATIC HC STD3 | FF016613.D | 29 Oct 2025 15:34 | YP\AJ | Ok |
| 6 | 10 PPM AROMATIC HC STD4 | FF016614.D | 29 Oct 2025 16:03 | YP\AJ | Ok |
| 7 | 100 PPM AROMATIC HC STD1 | FF016615.D | 29 Oct 2025 17:02 | YP\AJ | Ok |
| 8 | 5 PPM AROMATIC HC STD5 | FF016616.D | 29 Oct 2025 18:07 | YP\AJ | Ok |
| 9 | 20 PPM AROMATIC HC STD ICV | FF016617.D | 29 Oct 2025 19:06 | YP\AJ | Ok |
| 10 | I.BLK | FF016618.D | 29 Oct 2025 20:05 | YP\AJ | Ok |
| 11 | 20 PPM AROMATIC HC STD | FF016619.D | 29 Oct 2025 20:34 | YP\AJ | Ok |

M : Manual Integration

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**Instrument ID: FID_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # FF111725AR

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/17/2025 3:33:41 PM | | |
| Supervise By | mohammad | Supervise On | 11/19/2025 12:23:12 AM | | |
| SubDirectory | FF111725AR | HP Acquire Method | | HP Processing Method | FF102925AR |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24954,PP24956,PP24957,PP24958,PP24959 |
| CCC | PP24961 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24955,PP24960 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | MECL2 | FF016714.D | 17 Nov 2025 10:24 | YP\AJ | Ok |
| 2 | I.BLK | FF016715.D | 17 Nov 2025 13:50 | YP\AJ | Ok |
| 3 | 20 PPM AROMATIC HC STD | FF016716.D | 17 Nov 2025 14:20 | YP\AJ | Ok,M |
| 4 | PB170577BS | FF016717.D | 17 Nov 2025 15:00 | YP\AJ | Ok |
| 5 | PB170577BSD | FF016718.D | 17 Nov 2025 15:30 | YP\AJ | Ok |
| 6 | PB170577BL | FF016719.D | 17 Nov 2025 16:34 | YP\AJ | Ok |
| 7 | PB170496BS | FF016720.D | 17 Nov 2025 17:03 | YP\AJ | Not Ok |
| 8 | PB170496BSD | FF016721.D | 17 Nov 2025 17:32 | YP\AJ | Not Ok |
| 9 | Q3586-01 | FF016722.D | 17 Nov 2025 18:02 | YP\AJ | Ok |
| 10 | Q3586-02 | FF016723.D | 17 Nov 2025 18:31 | YP\AJ | Ok |
| 11 | Q3586-03 | FF016724.D | 17 Nov 2025 19:01 | YP\AJ | Ok |
| 12 | Q3586-03D | FF016725.D | 17 Nov 2025 19:30 | YP\AJ | Ok |
| 13 | Q3586-03MS | FF016726.D | 17 Nov 2025 19:59 | YP\AJ | Ok |
| 14 | Q3586-03MSD | FF016727.D | 17 Nov 2025 20:29 | YP\AJ | Ok |
| 15 | Q3618-01 | FF016728.D | 17 Nov 2025 20:58 | YP\AJ | Ok |
| 16 | Q3618-02 | FF016729.D | 17 Nov 2025 21:28 | YP\AJ | Ok |
| 17 | I.BLK | FF016730.D | 17 Nov 2025 22:27 | YP\AJ | Ok |
| 18 | 20 PPM AROMATIC HC STD | FF016731.D | 17 Nov 2025 22:56 | YP\AJ | Ok |

M : Manual Integration

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**Instrument ID: FID_G**

## Daily Analysis Runlog For Sequence/QCBatch ID # FG102925AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/29/2025 1:10:18 PM | | |
| Supervise By | Sohil | Supervise On | 10/30/2025 4:00:31 PM | | |
| SubDirectory | FG102925AL | HP Acquire Method | | HP Processing Method | FG102925AL |

| 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 | FG016845.D | 29 Oct 2025 13:06 | YP\AJ | Ok |
| 2 | I.BLK | FG016846.D | 29 Oct 2025 13:36 | YP\AJ | Ok |
| 3 | 100 PPM ALIPHATIC HC STD1 | FG016847.D | 29 Oct 2025 14:05 | YP\AJ | Not Ok |
| 4 | 50 PPM ALIPHATIC HC STD2 | FG016848.D | 29 Oct 2025 14:35 | YP\AJ | Ok |
| 5 | 20 PPM ALIPHATIC HC STD3 | FG016849.D | 29 Oct 2025 15:04 | YP\AJ | Ok |
| 6 | 10 PPM ALIPHATIC HC STD4 | FG016850.D | 29 Oct 2025 15:34 | YP\AJ | Ok |
| 7 | 5 PPM ALIPHATIC HC STD5 | FG016851.D | 29 Oct 2025 16:03 | YP\AJ | Ok |
| 8 | 100 PPM ALIPHATIC HC STD1 | FG016852.D | 29 Oct 2025 16:33 | YP\AJ | Ok |
| 9 | 20 PPM ALIPHATIC HC STD ICV | FG016853.D | 29 Oct 2025 17:32 | YP\AJ | Ok |
| 10 | I.BLK | FG016854.D | 29 Oct 2025 19:35 | YP\AJ | Ok |
| 11 | 20 PPM ALIPHATIC HC STD | FG016855.D | 29 Oct 2025 20:05 | YP\AJ | Ok |

M : Manual Integration

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**Instrument ID: FID_G**

## Daily Analysis Runlog For Sequence/QCBatch ID # FG111725AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/17/2025 3:35:35 PM | | |
| Supervise By | mohammad | Supervise On | 11/19/2025 12:23:20 AM | | |
| SubDirectory | FG111725AL | HP Acquire Method | | HP Processing Method | FG102925AL |

| 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 | FG016923.D | 17 Nov 2025 10:24 | YP\AJ | Ok |
| 2 | I.BLK | FG016924.D | 17 Nov 2025 13:50 | YP\AJ | Ok |
| 3 | 20 PPM ALIPHATIC HC STD | FG016925.D | 17 Nov 2025 14:20 | YP\AJ | Ok |
| 4 | PB170577BL | FG016926.D | 17 Nov 2025 16:34 | YP\AJ | Not Ok |
| 5 | PB170577BS | FG016927.D | 17 Nov 2025 17:03 | YP\AJ | Ok |
| 6 | PB170577BSD | FG016928.D | 17 Nov 2025 17:32 | YP\AJ | Ok |
| 7 | Q3586-01 | FG016929.D | 17 Nov 2025 18:02 | YP\AJ | Ok |
| 8 | Q3586-02 | FG016930.D | 17 Nov 2025 18:31 | YP\AJ | Ok |
| 9 | Q3586-03 | FG016931.D | 17 Nov 2025 19:01 | YP\AJ | ReRun |
| 10 | Q3586-03D | FG016932.D | 17 Nov 2025 19:30 | YP\AJ | Not Ok |
| 11 | Q3586-03MS | FG016933.D | 17 Nov 2025 19:59 | YP\AJ | Not Ok |
| 12 | Q3586-03MSD | FG016934.D | 17 Nov 2025 20:29 | YP\AJ | Not Ok |
| 13 | Q3618-01 | FG016935.D | 17 Nov 2025 20:58 | YP\AJ | Ok |
| 14 | Q3618-02 | FG016936.D | 17 Nov 2025 21:28 | YP\AJ | Ok |
| 15 | I.BLK | FG016937.D | 17 Nov 2025 22:27 | YP\AJ | Ok |
| 16 | 20 PPM ALIPHATIC HC STD | FG016938.D | 17 Nov 2025 22:56 | YP\AJ | Ok |

M : Manual Integration

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**Instrument ID: FID_G**

## Daily Analysis Runlog For Sequence/QCBatch ID # FG112025AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 11/20/2025 10:43:14 AM | | |
| Supervise By | mohammad | Supervise On | 11/21/2025 6:40:27 AM | | |
| SubDirectory | FG112025AL | HP Acquire Method | | HP Processing Method | FG102925AL |

| 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 | FG016954.D | 20 Nov 2025 09:37 | YP\AJ | Ok |
| 2 | I.BLK | FG016955.D | 20 Nov 2025 10:07 | YP\AJ | Ok |
| 3 | 20 PPM ALIPHATIC HC STD | FG016956.D | 20 Nov 2025 10:36 | YP\AJ | Ok |
| 4 | PB170577BL | FG016957.D | 20 Nov 2025 11:09 | YP\AJ | Ok |
| 5 | Q3586-03 | FG016958.D | 20 Nov 2025 13:13 | YP\AJ | Ok |
| 6 | Q3586-03D | FG016959.D | 20 Nov 2025 13:43 | YP\AJ | Ok,M |
| 7 | Q3586-03MS | FG016960.D | 20 Nov 2025 14:56 | YP\AJ | Ok |
| 8 | Q3586-03MSD | FG016961.D | 20 Nov 2025 15:41 | YP\AJ | Ok |
| 9 | I.BLK | FG016962.D | 20 Nov 2025 16:41 | YP\AJ | Ok |
| 10 | 20 PPM ALIPHATIC HC STD | FG016963.D | 20 Nov 2025 17:15 | YP\AJ | Ok |

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**Instrument ID:** FID_F

## Daily Analysis Runlog For Sequence/QCBatch ID # FF102925AR

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/29/2025 1:14:34 PM | | |
| Supervise By | Sohil | Supervise On | 10/30/2025 4:01:10 PM | | |
| SubDirectory | FF102925AR | HP Acquire Method | | HP Processing Method | FF102925AR |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24954,PP24956,PP24957,PP24958,PP24959 |
| CCC | PP24961 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24955,PP24960 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | MECL2 | MECL2 | FF016609.D | 29 Oct 2025 13:36 | | YP\AJ | Ok |
| 2 | I.BLK | I.BLK | FF016610.D | 29 Oct 2025 14:05 | | YP\AJ | Ok |
| 3 | 100 PPM AROMATIC H | 100 PPM AROMATIC H | FF016611.D | 29 Oct 2025 14:35 | | YP\AJ | Not Ok |
| 4 | 50 PPM AROMATIC HC | 50 PPM AROMATIC HC | FF016612.D | 29 Oct 2025 15:04 | | YP\AJ | Ok |
| 5 | 20 PPM AROMATIC HC | 20 PPM AROMATIC HC | FF016613.D | 29 Oct 2025 15:34 | | YP\AJ | Ok |
| 6 | 10 PPM AROMATIC HC | 10 PPM AROMATIC HC | FF016614.D | 29 Oct 2025 16:03 | | YP\AJ | Ok |
| 7 | 100 PPM AROMATIC H | 100 PPM AROMATIC H | FF016615.D | 29 Oct 2025 17:02 | | YP\AJ | Ok |
| 8 | 5 PPM AROMATIC HC | 5 PPM AROMATIC HC | FF016616.D | 29 Oct 2025 18:07 | | YP\AJ | Ok |
| 9 | 20 PPM AROMATIC HC | 20 PPM AROMATIC HC | FF016617.D | 29 Oct 2025 19:06 | | YP\AJ | Ok |
| 10 | I.BLK | I.BLK | FF016618.D | 29 Oct 2025 20:05 | | YP\AJ | Ok |
| 11 | 20 PPM AROMATIC HC | 20 PPM AROMATIC HC | FF016619.D | 29 Oct 2025 20:34 | | YP\AJ | Ok |

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**Instrument ID:** FID_F

## Daily Analysis Runlog For Sequence/QCBatch ID # FF111725AR

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/17/2025 3:33:41 PM | | |
| Supervise By | mohammad | Supervise On | 11/19/2025 12:23:12 AM | | |
| SubDirectory | FF111725AR | HP Acquire Method | | HP Processing Method | FF102925AR |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24954,PP24956,PP24957,PP24958,PP24959 |
| CCC | PP24961 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24955,PP24960 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | MECL2 | MECL2 | FF016714.D | 17 Nov 2025 10:24 | | YP\AJ | Ok |
| 2 | I.BLK | I.BLK | FF016715.D | 17 Nov 2025 13:50 | | YP\AJ | Ok |
| 3 | 20 PPM AROMATIC HC | 20 PPM AROMATIC HC | FF016716.D | 17 Nov 2025 14:20 | | YP\AJ | Ok,M |
| 4 | PB170577BS | PB170577BS | FF016717.D | 17 Nov 2025 15:00 | | YP\AJ | Ok |
| 5 | PB170577BSD | PB170577BSD | FF016718.D | 17 Nov 2025 15:30 | | YP\AJ | Ok |
| 6 | PB170577BL | PB170577BL | FF016719.D | 17 Nov 2025 16:34 | | YP\AJ | Ok |
| 7 | PB170496BS | PB170496BS | FF016720.D | 17 Nov 2025 17:03 | recoovery ffail | YP\AJ | Not Ok |
| 8 | PB170496BSD | PB170496BSD | FF016721.D | 17 Nov 2025 17:32 | recoovery ffail | YP\AJ | Not Ok |
| 9 | Q3586-01 | SED-1 | FF016722.D | 17 Nov 2025 18:02 | | YP\AJ | Ok |
| 10 | Q3586-02 | SED-2 | FF016723.D | 17 Nov 2025 18:31 | | YP\AJ | Ok |
| 11 | Q3586-03 | SED-3 | FF016724.D | 17 Nov 2025 19:01 | | YP\AJ | Ok |
| 12 | Q3586-03D | Q3586-03D | FF016725.D | 17 Nov 2025 19:30 | | YP\AJ | Ok |
| 13 | Q3586-03MS | SED-3MS | FF016726.D | 17 Nov 2025 19:59 | FF016724.D | YP\AJ | Ok |
| 14 | Q3586-03MSD | SED-3MSD | FF016727.D | 17 Nov 2025 20:29 | FF016724.D!FF016726.D | YP\AJ | Ok |
| 15 | Q3618-01 | EME-TOP-SOIL | FF016728.D | 17 Nov 2025 20:58 | | YP\AJ | Ok |
| 16 | Q3618-02 | EME-GENERAL-FILL | FF016729.D | 17 Nov 2025 21:28 | | YP\AJ | Ok |
| 17 | I.BLK | I.BLK | FF016730.D | 17 Nov 2025 22:27 | | YP\AJ | Ok |
| 18 | 20 PPM AROMATIC HC | 20 PPM AROMATIC HC | FF016731.D | 17 Nov 2025 22:56 | | YP\AJ | Ok |

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**Instrument ID:** FID_F

## Daily Analysis Runlog For Sequence/QCBatch ID # FF111725AR

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/17/2025 3:33:41 PM | | |
| Supervise By | mohammad | Supervise On | 11/19/2025 12:23:12 AM | | |
| SubDirectory | FF111725AR | HP Acquire Method | | HP Processing Method | FF102925AR |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24954,PP24956,PP24957,PP24958,PP24959 |
| CCC | PP24961 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24955,PP24960 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

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**Instrument ID:** FID_G

## Daily Analysis Runlog For Sequence/QCBatch ID # FG102925AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/29/2025 1:10:18 PM | | |
| Supervise By | Sohil | Supervise On | 10/30/2025 4:00:31 PM | | |
| SubDirectory | FG102925AL | HP Acquire Method | | HP Processing Method | FG102925AL |

| 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 | FG016845.D | 29 Oct 2025 13:06 | | YP\AJ | Ok |
| 2 | I.BLK | I.BLK | FG016846.D | 29 Oct 2025 13:36 | | YP\AJ | Ok |
| 3 | 100 PPM ALIPHATIC H | 100 PPM ALIPHATIC H | FG016847.D | 29 Oct 2025 14:05 | | YP\AJ | Not Ok |
| 4 | 50 PPM ALIPHATIC HC | 50 PPM ALIPHATIC HC | FG016848.D | 29 Oct 2025 14:35 | | YP\AJ | Ok |
| 5 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FG016849.D | 29 Oct 2025 15:04 | | YP\AJ | Ok |
| 6 | 10 PPM ALIPHATIC HC | 10 PPM ALIPHATIC HC | FG016850.D | 29 Oct 2025 15:34 | | YP\AJ | Ok |
| 7 | 5 PPM ALIPHATIC HC | 5 PPM ALIPHATIC HC | FG016851.D | 29 Oct 2025 16:03 | | YP\AJ | Ok |
| 8 | 100 PPM ALIPHATIC H | 100 PPM ALIPHATIC H | FG016852.D | 29 Oct 2025 16:33 | | YP\AJ | Ok |
| 9 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FG016853.D | 29 Oct 2025 17:32 | | YP\AJ | Ok |
| 10 | I.BLK | I.BLK | FG016854.D | 29 Oct 2025 19:35 | | YP\AJ | Ok |
| 11 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FG016855.D | 29 Oct 2025 20:05 | | YP\AJ | Ok |

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**Instrument ID:** FID_G

## Daily Analysis Runlog For Sequence/QCBatch ID # FG111725AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | rahul | Review On | 11/17/2025 3:35:35 PM | | |
| Supervise By | mohammad | Supervise On | 11/19/2025 12:23:20 AM | | |
| SubDirectory | FG111725AL | HP Acquire Method | | HP Processing Method | FG102925AL |

| 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 | FG016923.D | 17 Nov 2025 10:24 | | YP\AJ | Ok |
| 2 | I.BLK | I.BLK | FG016924.D | 17 Nov 2025 13:50 | | YP\AJ | Ok |
| 3 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FG016925.D | 17 Nov 2025 14:20 | | YP\AJ | Ok |
| 4 | PB170577BL | PB170577BL | FG016926.D | 17 Nov 2025 16:34 | Surrogate fail | YP\AJ | Not Ok |
| 5 | PB170577BS | PB170577BS | FG016927.D | 17 Nov 2025 17:03 | | YP\AJ | Ok |
| 6 | PB170577BSD | PB170577BSD | FG016928.D | 17 Nov 2025 17:32 | | YP\AJ | Ok |
| 7 | Q3586-01 | SED-1 | FG016929.D | 17 Nov 2025 18:02 | | YP\AJ | Ok |
| 8 | Q3586-02 | SED-2 | FG016930.D | 17 Nov 2025 18:31 | | YP\AJ | Ok |
| 9 | Q3586-03 | SED-3 | FG016931.D | 17 Nov 2025 19:01 | Surrogate fail | YP\AJ | ReRun |
| 10 | Q3586-03D | Q3586-03D | FG016932.D | 17 Nov 2025 19:30 | Not matching with original | YP\AJ | Not Ok |
| 11 | Q3586-03MS | SED-3MS | FG016933.D | 17 Nov 2025 19:59 | FG016931.D | YP\AJ | Not Ok |
| 12 | Q3586-03MSD | SED-3MSD | FG016934.D | 17 Nov 2025 20:29 | FG016931.D!FG016933.D | YP\AJ | Not Ok |
| 13 | Q3618-01 | EME-TOP-SOIL | FG016935.D | 17 Nov 2025 20:58 | | YP\AJ | Ok |
| 14 | Q3618-02 | EME-GENERAL-FILL | FG016936.D | 17 Nov 2025 21:28 | | YP\AJ | Ok |
| 15 | I.BLK | I.BLK | FG016937.D | 17 Nov 2025 22:27 | | YP\AJ | Ok |
| 16 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FG016938.D | 17 Nov 2025 22:56 | | YP\AJ | Ok |

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**Instrument ID:** FID_G

## Daily Analysis Runlog For Sequence/QCBatch ID # FG112025AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 11/20/2025 10:43:14 AM | | |
| Supervise By | mohammad | Supervise On | 11/21/2025 6:40:27 AM | | |
| SubDirectory | FG112025AL | HP Acquire Method | | HP Processing Method | FG102925AL |

| 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 | FG016954.D | 20 Nov 2025 09:37 | | YP\AJ | Ok |
| 2 | I.BLK | I.BLK | FG016955.D | 20 Nov 2025 10:07 | | YP\AJ | Ok |
| 3 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FG016956.D | 20 Nov 2025 10:36 | | YP\AJ | Ok |
| 4 | PB170577BL | PB170577BL | FG016957.D | 20 Nov 2025 11:09 | | YP\AJ | Ok |
| 5 | Q3586-03 | SED-3 | FG016958.D | 20 Nov 2025 13:13 | | YP\AJ | Ok |
| 6 | Q3586-03D | Q3586-03D | FG016959.D | 20 Nov 2025 13:43 | | YP\AJ | Ok,M |
| 7 | Q3586-03MS | SED-3MS | FG016960.D | 20 Nov 2025 14:56 | FG016958.D | YP\AJ | Ok |
| 8 | Q3586-03MSD | SED-3MSD | FG016961.D | 20 Nov 2025 15:41 | FG016958.D!FG016960.D | YP\AJ | Ok |
| 9 | I.BLK | I.BLK | FG016962.D | 20 Nov 2025 16:41 | | YP\AJ | Ok |
| 10 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FG016963.D | 20 Nov 2025 17:15 | | YP\AJ | Ok |

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**EXTRACTION LOGPAGE**

PB170577

| | | | | | |
|---|---|---|---|---|---|
| **SOP ID:** | MNJDEP-EPH-8 | | | | |
| **Clean Up SOP #:** | N/A | | | **Extraction Start Date :** | 11/17/2025 |
| **Matrix :** | Solid | | | **Extraction Start Time :** | 08:38 |
| **Weigh By:** | EH | **Extraction By:** | RJ | **Extraction End Date :** | 11/17/2025 |
| **Balance check:** | EH | **Filter By:** | RJ | **Extraction End Time :** | 14:25 |
| **Balance ID:** | EX-SC-2 | **pH Meter ID:** | N/A | **Concentration By:** | EH |
| **pH Strip Lot#:** | N/A | **Hood ID:** | 3,7 | **Supervisor By :** | RUPESH |

**Extraction Method:** ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

| Standared Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---|---|---|---|
| Spike Sol 1 | 1.0ML | 100 PPM | PP25005 |
| Surrogate | 1.0ML | 100 PPM | PP25012 |
| Fractionation Surrogate | 1.0ML | 100 PPM | PP24994 |
| 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 | EP2659 |
| Baked Na2SO4 | N/A | EP2655 |
| Sand | N/A | E3951 |
| Hexane | N/A | E3984 |
| Methylene Chloride | N/A | E3986 |
| EPH Cartridge | N/A | E3970 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

**Extraction Conformance/Non-Conformance Comments:**

1.5ML Vial Lot # 2210443.

| | | | |
|---|---|---|---|
| **KD Bath ID:** | N/A | **Envap ID:** | N-EVAP-02 |
| **KD Bath Temperature:** | N/A | **Envap Temperature:** | 40 °C |

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 11/17/25 | RS (Ext-Lab) | RC/Post PCB |
| 14:27 | **Preparation Group** | **Analysis Group** |

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**EXTRACTION LOGPAGE**

**PrepBatch ID : PB170577**

**Analytical Method:** MNJDEP-EPH-8

**Concentration Date:** 11/17/2025

| Sample ID | Client Sample ID | Test | g / mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB170577BL | PB170577BL | EPH | 30.01 | N/A | ritesh | Evelyn | 2 | | | U2-1 |
| PB170577BS | PB170577BS | EPH | 30.03 | N/A | ritesh | Evelyn | 2 | | | 2 |
| PB170577BSD | PB170577BSD | EPH | 30.02 | N/A | ritesh | Evelyn | 2 | | | 3 |
| Q3586-01 | SED-1 | EPH | 30.04 | N/A | ritesh | Evelyn | 2 | H | | 4 |
| Q3586-02 | SED-2 | EPH | 30.08 | N/A | ritesh | Evelyn | 2 | H | | 5 |
| Q3586-03 | SED-3 | EPH | 30.07 | N/A | ritesh | Evelyn | 2 | H | | 6 |
| Q3586-03DUP | SED-3DUP | EPH | 30.05 | N/A | ritesh | Evelyn | 2 | H | | U3-1 |
| Q3586-03MS | SED-3MS | EPH | 30.03 | N/A | ritesh | Evelyn | 2 | H | | 2 |
| Q3586-03MSD | SED-3MSD | EPH | 30.01 | N/A | ritesh | Evelyn | 2 | H | | 3 |
| Q3618-01 | EME-TOP-SOIL | EPH | 30.06 | N/A | ritesh | Evelyn | 2 | E | | 4 |
| Q3618-02 | EME-GENERAL-FILL | EPH | 30.09 | N/A | ritesh | Evelyn | 2 | F | | 5 |

RS 11/17

* **Extracts relinquished on the same date as received.**

Q3586 11/05/25 8:38

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** Q3586 **WorkList ID :** 193150 **Department :** Extraction **Date :** 11-17-2025 08:34:17

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q3586-01 | SED-1 | Solid | EPH | Cool 4 deg C | REMI02 | D31 | 11/06/2025 | NJEPH |
| Q3586-02 | SED-2 | Solid | EPH | Cool 4 deg C | REMI02 | D31 | 11/06/2025 | NJEPH |
| Q3586-03 | SED-3 | Solid | EPH | Cool 4 deg C | REMI02 | D31 | 11/06/2025 | NJEPH |
| Q3618-01 | EME-TOP-SOIL | Solid | EPH | Cool 4 deg C | ENTA05 | D41 | 11/12/2025 | NJEPH |
| Q3618-02 | EME-GENERAL-FILL | Solid | EPH | Cool 4 deg C | ENTA05 | D41 | 11/12/2025 | NJEPH |

696 of 821

**Date/Time** 11/17/25 8:35
**Raw Sample Received by:** RJ (ExtLab)
**Raw Sample Relinquished by:** [signature]



**Date/Time** 11/17/25 8:50
**Raw Sample Received by:** [signature]
**Raw Sample Relinquished by:** RJ (ExtLab)

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q3586 | **OrderDate:** | 11/7/2025 3:20:00 PM |
| **Client:** | Remington & Vernick Engineers | **Project:** | Edison Landfill |
| **Contact:** | Kyle Carlson | **Location:** | D31 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q3586-01** | **SED-1** | **SOIL** | | | **11/06/25** | | | **11/07/25** |
| | | | PCB | 8082A | | 11/11/25 | 11/11/25 | |
| | | | Pesticide-TCL | 8081B | | 11/11/25 | 11/11/25 | |
| | | | EPH | NJEPH | | 11/17/25 | 11/17/25 | |
| **Q3586-02** | **SED-2** | **SOIL** | | | **11/06/25** | | | **11/07/25** |
| | | | PCB | 8082A | | 11/11/25 | 11/11/25 | |
| | | | Pesticide-TCL | 8081B | | 11/11/25 | 11/11/25 | |
| | | | EPH | NJEPH | | 11/17/25 | 11/17/25 | |
| **Q3586-03** | **SED-3** | **SOIL** | | | **11/06/25** | | | **11/07/25** |
| | | | PCB | 8082A | | 11/11/25 | 11/11/25 | |
| | | | Pesticide-TCL | 8081B | | 11/11/25 | 11/11/25 | |
| | | | EPH | NJEPH | | 11/17/25 | 11/17/25 | |
| | | | EPH | NJEPH | | 11/17/25 | 11/20/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q3586 **Order ID:** Q3586

**Client:** Remington & Vernick Engineers **Project ID:** Edison Landfill

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID : SED-1** | | | | | | | | |
| Q3586-01 | SED-1 | SOIL | Aluminum | 11200 | | 1.20 | 7.16 | mg/Kg |
| Q3586-01 | SED-1 | SOIL | Antimony | 0.75 | J | 0.32 | 3.58 | mg/Kg |
| Q3586-01 | SED-1 | SOIL | Arsenic | 5.33 | | 0.27 | 1.43 | mg/Kg |
| Q3586-01 | SED-1 | SOIL | Barium | 15.8 | | 1.05 | 7.16 | mg/Kg |
| Q3586-01 | SED-1 | SOIL | Beryllium | 0.94 | | 0.036 | 0.43 | mg/Kg |
| Q3586-01 | SED-1 | SOIL | Calcium | 1040 | | 15.9 | 143 | mg/Kg |
| Q3586-01 | SED-1 | SOIL | Chromium | 19.4 | | 0.067 | 0.72 | mg/Kg |
| Q3586-01 | SED-1 | SOIL | Cobalt | 7.09 | | 0.14 | 2.15 | mg/Kg |
| Q3586-01 | SED-1 | SOIL | Copper | 10.8 | | 0.32 | 1.43 | mg/Kg |
| Q3586-01 | SED-1 | SOIL | Iron | 23500 | | 5.71 | 7.16 | mg/Kg |
| Q3586-01 | SED-1 | SOIL | Lead | 10.3 | | 0.19 | 0.86 | mg/Kg |
| Q3586-01 | SED-1 | SOIL | Magnesium | 3630 | | 17.2 | 143 | mg/Kg |
| Q3586-01 | SED-1 | SOIL | Manganese | 149 | | 0.20 | 1.43 | mg/Kg |
| Q3586-01 | SED-1 | SOIL | Nickel | 16.4 | | 0.19 | 2.86 | mg/Kg |
| Q3586-01 | SED-1 | SOIL | Potassium | 1180 | | 39.7 | 143 | mg/Kg |
| Q3586-01 | SED-1 | SOIL | Selenium | 0.59 | J | 0.37 | 1.43 | mg/Kg |
| Q3586-01 | SED-1 | SOIL | Silver | 3.16 | | 0.17 | 0.72 | mg/Kg |
| Q3586-01 | SED-1 | SOIL | Sodium | 1060 | | 25.5 | 143 | mg/Kg |
| Q3586-01 | SED-1 | SOIL | Vanadium | 32.8 | | 0.36 | 2.86 | mg/Kg |
| Q3586-01 | SED-1 | SOIL | Zinc | 48.9 | | 0.33 | 2.86 | mg/Kg |
| **Client ID : SED-2** | | | | | | | | |
| Q3586-02 | SED-2 | SOIL | Aluminum | 11000 | | 1.80 | 10.7 | mg/Kg |
| Q3586-02 | SED-2 | SOIL | Antimony | 6.15 | | 0.47 | 5.34 | mg/Kg |
| Q3586-02 | SED-2 | SOIL | Arsenic | 12.5 | | 0.41 | 2.14 | mg/Kg |
| Q3586-02 | SED-2 | SOIL | Barium | 65.0 | | 1.56 | 10.7 | mg/Kg |
| Q3586-02 | SED-2 | SOIL | Beryllium | 1.18 | | 0.053 | 0.64 | mg/Kg |
| Q3586-02 | SED-2 | SOIL | Cadmium | 1.83 | | 0.051 | 0.64 | mg/Kg |
| Q3586-02 | SED-2 | SOIL | Calcium | 2930 | | 23.7 | 214 | mg/Kg |
| Q3586-02 | SED-2 | SOIL | Chromium | 36.6 | | 0.10 | 1.07 | mg/Kg |
| Q3586-02 | SED-2 | SOIL | Cobalt | 9.66 | | 0.21 | 3.21 | mg/Kg |
| Q3586-02 | SED-2 | SOIL | Copper | 69.1 | | 0.47 | 2.14 | mg/Kg |
| Q3586-02 | SED-2 | SOIL | Iron | 29500 | | 8.53 | 10.7 | mg/Kg |
| Q3586-02 | SED-2 | SOIL | Lead | 86.5 | | 0.28 | 1.28 | mg/Kg |
| Q3586-02 | SED-2 | SOIL | Magnesium | 3390 | | 25.7 | 214 | mg/Kg |
| Q3586-02 | SED-2 | SOIL | Manganese | 204 | | 0.30 | 2.14 | mg/Kg |
| Q3586-02 | SED-2 | SOIL | Mercury | 0.54 | | 0.018 | 0.033 | mg/Kg |
| Q3586-02 | SED-2 | SOIL | Nickel | 23.1 | | 0.28 | 4.28 | mg/Kg |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q3586 **Order ID:** Q3586

**Client:** Remington & Vernick Engineers **Project ID:** Edison Landfill

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| Q3586-02 | SED-2 | SOIL | Potassium | 1440 | | 59.2 | 214 | mg/Kg |
| Q3586-02 | SED-2 | SOIL | Silver | 4.13 | | 0.26 | 1.07 | mg/Kg |
| Q3586-02 | SED-2 | SOIL | Sodium | 1650 | | 38.0 | 214 | mg/Kg |
| Q3586-02 | SED-2 | SOIL | Vanadium | 49.3 | | 0.53 | 4.28 | mg/Kg |
| Q3586-02 | SED-2 | SOIL | Zinc | 150 | | 0.49 | 4.28 | mg/Kg |
| **Client ID :** | **SED-3** | | | | | | | |
| Q3586-03 | SED-3 | SOIL | Aluminum | 17500 | | 1.56 | 9.27 | mg/Kg |
| Q3586-03 | SED-3 | SOIL | Antimony | 0.45 | J | 0.41 | 4.63 | mg/Kg |
| Q3586-03 | SED-3 | SOIL | Arsenic | 9.51 | | 0.35 | 1.85 | mg/Kg |
| Q3586-03 | SED-3 | SOIL | Barium | 53.5 | | 1.35 | 9.27 | mg/Kg |
| Q3586-03 | SED-3 | SOIL | Beryllium | 1.51 | | 0.046 | 0.56 | mg/Kg |
| Q3586-03 | SED-3 | SOIL | Cadmium | 0.48 | J | 0.044 | 0.56 | mg/Kg |
| Q3586-03 | SED-3 | SOIL | Calcium | 1880 | | 20.6 | 185 | mg/Kg |
| Q3586-03 | SED-3 | SOIL | Chromium | 29.8 | | 0.087 | 0.93 | mg/Kg |
| Q3586-03 | SED-3 | SOIL | Cobalt | 15.7 | | 0.19 | 2.78 | mg/Kg |
| Q3586-03 | SED-3 | SOIL | Copper | 22.0 | | 0.41 | 1.85 | mg/Kg |
| Q3586-03 | SED-3 | SOIL | Iron | 26300 | | 7.40 | 9.27 | mg/Kg |
| Q3586-03 | SED-3 | SOIL | Lead | 20.6 | | 0.24 | 1.11 | mg/Kg |
| Q3586-03 | SED-3 | SOIL | Magnesium | 6130 | | 22.2 | 185 | mg/Kg |
| Q3586-03 | SED-3 | SOIL | Manganese | 224 | | 0.26 | 1.85 | mg/Kg |
| Q3586-03 | SED-3 | SOIL | Mercury | 0.026 | | 0.014 | 0.025 | mg/Kg |
| Q3586-03 | SED-3 | SOIL | Nickel | 32.3 | | 0.24 | 3.71 | mg/Kg |
| Q3586-03 | SED-3 | SOIL | Potassium | 2290 | | 51.3 | 185 | mg/Kg |
| Q3586-03 | SED-3 | SOIL | Silver | 3.25 | | 0.22 | 0.93 | mg/Kg |
| Q3586-03 | SED-3 | SOIL | Sodium | 3100 | | 33.0 | 185 | mg/Kg |
| Q3586-03 | SED-3 | SOIL | Vanadium | 43.2 | | 0.46 | 3.71 | mg/Kg |
| Q3586-03 | SED-3 | SOIL | Zinc | 76.6 | | 0.43 | 3.71 | mg/Kg |

# SAMPLE DATA

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-1 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-01 | Matrix: | SOIL |
| Level (low/med): | low | % Solid: | 62.9 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 11200 | | 1 | 1.20 | 7.16 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:06 | 6010D | SW3050 |
| 7440-36-0 | Antimony | 0.75 | JN | 1 | 0.32 | 3.58 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:06 | 6010D | SW3050 |
| 7440-38-2 | Arsenic | 5.33 | | 1 | 0.27 | 1.43 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:06 | 6010D | SW3050 |
| 7440-39-3 | Barium | 15.8 | | 1 | 1.05 | 7.16 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:06 | 6010D | SW3050 |
| 7440-41-7 | Beryllium | 0.94 | | 1 | 0.036 | 0.43 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:06 | 6010D | SW3050 |
| 7440-43-9 | Cadmium | 0.034 | U | 1 | 0.034 | 0.43 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:06 | 6010D | SW3050 |
| 7440-70-2 | Calcium | 1040 | | 1 | 15.9 | 143 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:06 | 6010D | SW3050 |
| 7440-47-3 | Chromium | 19.4 | | 1 | 0.067 | 0.72 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:06 | 6010D | SW3050 |
| 7440-48-4 | Cobalt | 7.09 | | 1 | 0.14 | 2.15 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:06 | 6010D | SW3050 |
| 7440-50-8 | Copper | 10.8 | N* | 1 | 0.32 | 1.43 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:06 | 6010D | SW3050 |
| 7439-89-6 | Iron | 23500 | | 1 | 5.71 | 7.16 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:06 | 6010D | SW3050 |
| 7439-92-1 | Lead | 10.3 | | 1 | 0.19 | 0.86 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:06 | 6010D | SW3050 |
| 7439-95-4 | Magnesium | 3630 | | 1 | 17.2 | 143 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:06 | 6010D | SW3050 |
| 7439-96-5 | Manganese | 149 | | 1 | 0.20 | 1.43 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:06 | 6010D | SW3050 |
| 7439-97-6 | Mercury | 0.010 | U | 1 | 0.010 | 0.019 | mg/Kg | 11/11/25 08:40 | 11/11/25 15:09 | 7471B | 7471B |
| 7440-02-0 | Nickel | 16.4 | | 1 | 0.19 | 2.86 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:06 | 6010D | SW3050 |
| 7440-09-7 | Potassium | 1180 | | 1 | 39.7 | 143 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:06 | 6010D | SW3050 |
| 7782-49-2 | Selenium | 0.59 | JN | 1 | 0.37 | 1.43 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:06 | 6010D | SW3050 |
| 7440-22-4 | Silver | 3.16 | N | 1 | 0.17 | 0.72 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:06 | 6010D | SW3050 |
| 7440-23-5 | Sodium | 1060 | N | 1 | 25.5 | 143 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:06 | 6010D | SW3050 |
| 7440-28-0 | Thallium | 0.33 | U | 1 | 0.33 | 2.86 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:06 | 6010D | SW3050 |
| 7440-62-2 | Vanadium | 32.8 | N | 1 | 0.36 | 2.86 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:06 | 6010D | SW3050 |
| 7440-66-6 | Zinc | 48.9 | * | 1 | 0.33 | 2.86 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:06 | 6010D | SW3050 |

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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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-2 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-02 | Matrix: | SOIL |
| Level (low/med): | low | % Solid: | 41.4 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 11000 | | 1 | 1.80 | 10.7 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:10 | 6010D | SW3050 |
| 7440-36-0 | Antimony | 6.15 | N | 1 | 0.47 | 5.34 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:10 | 6010D | SW3050 |
| 7440-38-2 | Arsenic | 12.5 | | 1 | 0.41 | 2.14 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:10 | 6010D | SW3050 |
| 7440-39-3 | Barium | 65.0 | | 1 | 1.56 | 10.7 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:10 | 6010D | SW3050 |
| 7440-41-7 | Beryllium | 1.18 | | 1 | 0.053 | 0.64 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:10 | 6010D | SW3050 |
| 7440-43-9 | Cadmium | 1.83 | | 1 | 0.051 | 0.64 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:10 | 6010D | SW3050 |
| 7440-70-2 | Calcium | 2930 | | 1 | 23.7 | 214 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:10 | 6010D | SW3050 |
| 7440-47-3 | Chromium | 36.6 | | 1 | 0.10 | 1.07 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:10 | 6010D | SW3050 |
| 7440-48-4 | Cobalt | 9.66 | | 1 | 0.21 | 3.21 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:10 | 6010D | SW3050 |
| 7440-50-8 | Copper | 69.1 | N* | 1 | 0.47 | 2.14 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:10 | 6010D | SW3050 |
| 7439-89-6 | Iron | 29500 | | 1 | 8.53 | 10.7 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:10 | 6010D | SW3050 |
| 7439-92-1 | Lead | 86.5 | | 1 | 0.28 | 1.28 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:10 | 6010D | SW3050 |
| 7439-95-4 | Magnesium | 3390 | | 1 | 25.7 | 214 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:10 | 6010D | SW3050 |
| 7439-96-5 | Manganese | 204 | | 1 | 0.30 | 2.14 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:10 | 6010D | SW3050 |
| 7439-97-6 | Mercury | 0.54 | | 1 | 0.018 | 0.033 | mg/Kg | 11/11/25 08:40 | 11/11/25 15:11 | 7471B | 7471B |
| 7440-02-0 | Nickel | 23.1 | | 1 | 0.28 | 4.28 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:10 | 6010D | SW3050 |
| 7440-09-7 | Potassium | 1440 | | 1 | 59.2 | 214 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:10 | 6010D | SW3050 |
| 7782-49-2 | Selenium | 0.56 | UN | 1 | 0.56 | 2.14 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:10 | 6010D | SW3050 |
| 7440-22-4 | Silver | 4.13 | N | 1 | 0.26 | 1.07 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:10 | 6010D | SW3050 |
| 7440-23-5 | Sodium | 1650 | N | 1 | 38.0 | 214 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:10 | 6010D | SW3050 |
| 7440-28-0 | Thallium | 0.49 | U | 1 | 0.49 | 4.28 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:10 | 6010D | SW3050 |
| 7440-62-2 | Vanadium | 49.3 | N | 1 | 0.53 | 4.28 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:10 | 6010D | SW3050 |
| 7440-66-6 | Zinc | 150 | * | 1 | 0.49 | 4.28 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:10 | 6010D | SW3050 |

U = Not Detected
LOQ = Limit of Quantitation
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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-3 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03 | Matrix: | SOIL |
| Level (low/med): | low | % Solid: | 50.9 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 17500 | | 1 | 1.56 | 9.27 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:22 | 6010D | SW3050 |
| 7440-36-0 | Antimony | 0.45 | JN | 1 | 0.41 | 4.63 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:22 | 6010D | SW3050 |
| 7440-38-2 | Arsenic | 9.51 | | 1 | 0.35 | 1.85 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:22 | 6010D | SW3050 |
| 7440-39-3 | Barium | 53.5 | | 1 | 1.35 | 9.27 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:22 | 6010D | SW3050 |
| 7440-41-7 | Beryllium | 1.51 | | 1 | 0.046 | 0.56 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:22 | 6010D | SW3050 |
| 7440-43-9 | Cadmium | 0.48 | J | 1 | 0.044 | 0.56 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:22 | 6010D | SW3050 |
| 7440-70-2 | Calcium | 1880 | | 1 | 20.6 | 185 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:22 | 6010D | SW3050 |
| 7440-47-3 | Chromium | 29.8 | | 1 | 0.087 | 0.93 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:22 | 6010D | SW3050 |
| 7440-48-4 | Cobalt | 15.7 | | 1 | 0.19 | 2.78 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:22 | 6010D | SW3050 |
| 7440-50-8 | Copper | 22.0 | N* | 1 | 0.41 | 1.85 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:22 | 6010D | SW3050 |
| 7439-89-6 | Iron | 26300 | | 1 | 7.40 | 9.27 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:22 | 6010D | SW3050 |
| 7439-92-1 | Lead | 20.6 | | 1 | 0.24 | 1.11 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:22 | 6010D | SW3050 |
| 7439-95-4 | Magnesium | 6130 | | 1 | 22.2 | 185 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:22 | 6010D | SW3050 |
| 7439-96-5 | Manganese | 224 | | 1 | 0.26 | 1.85 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:22 | 6010D | SW3050 |
| 7439-97-6 | Mercury | 0.026 | | 1 | 0.014 | 0.025 | mg/Kg | 11/11/25 08:40 | 11/11/25 15:13 | 7471B | 7471B |
| 7440-02-0 | Nickel | 32.3 | | 1 | 0.24 | 3.71 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:22 | 6010D | SW3050 |
| 7440-09-7 | Potassium | 2290 | | 1 | 51.3 | 185 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:22 | 6010D | SW3050 |
| 7782-49-2 | Selenium | 0.48 | UN | 1 | 0.48 | 1.85 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:22 | 6010D | SW3050 |
| 7440-22-4 | Silver | 3.25 | N | 1 | 0.22 | 0.93 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:22 | 6010D | SW3050 |
| 7440-23-5 | Sodium | 3100 | N | 1 | 33.0 | 185 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:22 | 6010D | SW3050 |
| 7440-28-0 | Thallium | 0.43 | U | 1 | 0.43 | 3.71 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:22 | 6010D | SW3050 |
| 7440-62-2 | Vanadium | 43.2 | N | 1 | 0.46 | 3.71 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:22 | 6010D | SW3050 |
| 7440-66-6 | Zinc | 76.6 | * | 1 | 0.43 | 3.71 | mg/Kg | 11/10/25 14:40 | 11/10/25 19:22 | 6010D | SW3050 |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
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OR = Over Range
N =Spiked sample recovery not within control limits

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Fax : 908 789 8922



# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **Lab Code:** ACE

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **ICB109** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 11/11/2025 | 14:24 | LB137851 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **Lab Code:** ACE

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB56** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 11/11/2025 | 14:28 | LB137851 |
| **CCB57** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 11/11/2025 | 15:04 | LB137851 |
| **CCB58** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 11/11/2025 | 15:32 | LB137851 |
| **CCB59** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 11/11/2025 | 16:00 | LB137851 |
| **CCB60** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 11/11/2025 | 16:33 | LB137851 |
| **CCB61** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 11/11/2025 | 16:42 | LB137851 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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 | 11/10/2025 | 12:11 | LB137841 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 11/10/2025 | 12:11 | LB137841 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 11/10/2025 | 12:11 | LB137841 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 11/10/2025 | 12:11 | LB137841 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 11/10/2025 | 12:11 | LB137841 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 11/10/2025 | 12:11 | LB137841 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 11/10/2025 | 12:11 | LB137841 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 11/10/2025 | 12:11 | LB137841 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 11/10/2025 | 12:11 | LB137841 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 11/10/2025 | 12:11 | LB137841 |
| | Iron | 32.9 | +/-50 | J | 100 | P | 11/10/2025 | 12:11 | LB137841 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 11/10/2025 | 12:11 | LB137841 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 11/10/2025 | 12:11 | LB137841 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 11/10/2025 | 12:11 | LB137841 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 11/10/2025 | 12:11 | LB137841 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 11/10/2025 | 12:11 | LB137841 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 11/10/2025 | 12:11 | LB137841 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 11/10/2025 | 12:11 | LB137841 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 11/10/2025 | 12:11 | LB137841 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 11/10/2025 | 12:11 | LB137841 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 11/10/2025 | 12:11 | LB137841 |
| | Zinc | 16.7 | +/-20 | U | 40.0 | P | 11/10/2025 | 12:11 | LB137841 |

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Fax : 908 789 8922



# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **Lab Code:** ACE

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB01** | Aluminum | 14.6 | +/-50 | J | 100 | P | 11/10/2025 | 12:42 | LB137841 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 11/10/2025 | 12:42 | LB137841 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 11/10/2025 | 12:42 | LB137841 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 11/10/2025 | 12:42 | LB137841 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 11/10/2025 | 12:42 | LB137841 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 11/10/2025 | 12:42 | LB137841 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 11/10/2025 | 12:42 | LB137841 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 11/10/2025 | 12:42 | LB137841 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 11/10/2025 | 12:42 | LB137841 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 11/10/2025 | 12:42 | LB137841 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 11/10/2025 | 12:42 | LB137841 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 11/10/2025 | 12:42 | LB137841 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 11/10/2025 | 12:42 | LB137841 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 11/10/2025 | 12:42 | LB137841 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 11/10/2025 | 12:42 | LB137841 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 11/10/2025 | 12:42 | LB137841 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 11/10/2025 | 12:42 | LB137841 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 11/10/2025 | 12:42 | LB137841 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 11/10/2025 | 12:42 | LB137841 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 11/10/2025 | 12:42 | LB137841 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 11/10/2025 | 12:42 | LB137841 |
| | Zinc | 16.7 | +/-20 | U | 40.0 | P | 11/10/2025 | 12:42 | LB137841 |
| **CCB02** | Aluminum | 20.4 | +/-50 | J | 100 | P | 11/10/2025 | 13:54 | LB137841 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 11/10/2025 | 13:54 | LB137841 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 11/10/2025 | 13:54 | LB137841 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 11/10/2025 | 13:54 | LB137841 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 11/10/2025 | 13:54 | LB137841 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 11/10/2025 | 13:54 | LB137841 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 11/10/2025 | 13:54 | LB137841 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 11/10/2025 | 13:54 | LB137841 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 11/10/2025 | 13:54 | LB137841 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 11/10/2025 | 13:54 | LB137841 |
| | Iron | 29.8 | +/-50 | J | 100 | P | 11/10/2025 | 13:54 | LB137841 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 11/10/2025 | 13:54 | LB137841 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 11/10/2025 | 13:54 | LB137841 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 11/10/2025 | 13:54 | LB137841 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 11/10/2025 | 13:54 | LB137841 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 11/10/2025 | 13:54 | LB137841 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 11/10/2025 | 13:54 | LB137841 |

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Fax : 908 789 8922



# Metals

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## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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 | 11/10/2025 | 13:54 | LB137841 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 11/10/2025 | 13:54 | LB137841 |
| | Thallium | 4.43 | +/-20 | J | 40.0 | P | 11/10/2025 | 13:54 | LB137841 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 11/10/2025 | 13:54 | LB137841 |
| | Zinc | 16.7 | +/-20 | U | 40.0 | P | 11/10/2025 | 13:54 | LB137841 |
| **CCB03** | Aluminum | 11.3 | +/-50 | U | 100 | P | 11/10/2025 | 14:50 | LB137841 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 11/10/2025 | 14:50 | LB137841 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 11/10/2025 | 14:50 | LB137841 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 11/10/2025 | 14:50 | LB137841 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 11/10/2025 | 14:50 | LB137841 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 11/10/2025 | 14:50 | LB137841 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 11/10/2025 | 14:50 | LB137841 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 11/10/2025 | 14:50 | LB137841 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 11/10/2025 | 14:50 | LB137841 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 11/10/2025 | 14:50 | LB137841 |
| | Iron | 29.3 | +/-50 | J | 100 | P | 11/10/2025 | 14:50 | LB137841 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 11/10/2025 | 14:50 | LB137841 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 11/10/2025 | 14:50 | LB137841 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 11/10/2025 | 14:50 | LB137841 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 11/10/2025 | 14:50 | LB137841 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 11/10/2025 | 14:50 | LB137841 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 11/10/2025 | 14:50 | LB137841 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 11/10/2025 | 14:50 | LB137841 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 11/10/2025 | 14:50 | LB137841 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 11/10/2025 | 14:50 | LB137841 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 11/10/2025 | 14:50 | LB137841 |
| | Zinc | 16.7 | +/-20 | U | 40.0 | P | 11/10/2025 | 14:50 | LB137841 |
| **CCB04** | Aluminum | 37.9 | +/-50 | J | 100 | P | 11/10/2025 | 15:47 | LB137841 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 11/10/2025 | 15:47 | LB137841 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 11/10/2025 | 15:47 | LB137841 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 11/10/2025 | 15:47 | LB137841 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 11/10/2025 | 15:47 | LB137841 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 11/10/2025 | 15:47 | LB137841 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 11/10/2025 | 15:47 | LB137841 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 11/10/2025 | 15:47 | LB137841 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 11/10/2025 | 15:47 | LB137841 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 11/10/2025 | 15:47 | LB137841 |
| | Iron | 37.7 | +/-50 | J | 100 | P | 11/10/2025 | 15:47 | LB137841 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 11/10/2025 | 15:47 | LB137841 |

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Fax : 908 789 8922



# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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 | 11/10/2025 | 15:47 | LB137841 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 11/10/2025 | 15:47 | LB137841 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 11/10/2025 | 15:47 | LB137841 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 11/10/2025 | 15:47 | LB137841 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 11/10/2025 | 15:47 | LB137841 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 11/10/2025 | 15:47 | LB137841 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 11/10/2025 | 15:47 | LB137841 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 11/10/2025 | 15:47 | LB137841 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 11/10/2025 | 15:47 | LB137841 |
| | Zinc | 16.7 | +/-20 | U | 40.0 | P | 11/10/2025 | 15:47 | LB137841 |
| **CCB05** | Aluminum | 19.1 | +/-50 | J | 100 | P | 11/10/2025 | 16:38 | LB137841 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 11/10/2025 | 16:38 | LB137841 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 11/10/2025 | 16:38 | LB137841 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 11/10/2025 | 16:38 | LB137841 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 11/10/2025 | 16:38 | LB137841 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 11/10/2025 | 16:38 | LB137841 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 11/10/2025 | 16:38 | LB137841 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 11/10/2025 | 16:38 | LB137841 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 11/10/2025 | 16:38 | LB137841 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 11/10/2025 | 16:38 | LB137841 |
| | Iron | 24.8 | +/-50 | J | 100 | P | 11/10/2025 | 16:38 | LB137841 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 11/10/2025 | 16:38 | LB137841 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 11/10/2025 | 16:38 | LB137841 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 11/10/2025 | 16:38 | LB137841 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 11/10/2025 | 16:38 | LB137841 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 11/10/2025 | 16:38 | LB137841 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 11/10/2025 | 16:38 | LB137841 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 11/10/2025 | 16:38 | LB137841 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 11/10/2025 | 16:38 | LB137841 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 11/10/2025 | 16:38 | LB137841 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 11/10/2025 | 16:38 | LB137841 |
| | Zinc | 16.7 | +/-20 | U | 40.0 | P | 11/10/2025 | 16:38 | LB137841 |
| **CCB06** | Aluminum | 23.5 | +/-50 | J | 100 | P | 11/10/2025 | 17:31 | LB137841 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 11/10/2025 | 17:31 | LB137841 |
| | Arsenic | 7.21 | +/-10 | J | 20.0 | P | 11/10/2025 | 17:31 | LB137841 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 11/10/2025 | 17:31 | LB137841 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 11/10/2025 | 17:31 | LB137841 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 11/10/2025 | 17:31 | LB137841 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 11/10/2025 | 17:31 | LB137841 |

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



# Metals

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## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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 | 11/10/2025 | 17:31 | LB137841 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 11/10/2025 | 17:31 | LB137841 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 11/10/2025 | 17:31 | LB137841 |
| | Iron | 24.6 | +/-50 | J | 100 | P | 11/10/2025 | 17:31 | LB137841 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 11/10/2025 | 17:31 | LB137841 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 11/10/2025 | 17:31 | LB137841 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 11/10/2025 | 17:31 | LB137841 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 11/10/2025 | 17:31 | LB137841 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 11/10/2025 | 17:31 | LB137841 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 11/10/2025 | 17:31 | LB137841 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 11/10/2025 | 17:31 | LB137841 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 11/10/2025 | 17:31 | LB137841 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 11/10/2025 | 17:31 | LB137841 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 11/10/2025 | 17:31 | LB137841 |
| | Zinc | 16.7 | +/-20 | U | 40.0 | P | 11/10/2025 | 17:31 | LB137841 |
| **CCB07** | Aluminum | 18.8 | +/-50 | J | 100 | P | 11/10/2025 | 19:18 | LB137841 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 11/10/2025 | 19:18 | LB137841 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 11/10/2025 | 19:18 | LB137841 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 11/10/2025 | 19:18 | LB137841 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 11/10/2025 | 19:18 | LB137841 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 11/10/2025 | 19:18 | LB137841 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 11/10/2025 | 19:18 | LB137841 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 11/10/2025 | 19:18 | LB137841 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 11/10/2025 | 19:18 | LB137841 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 11/10/2025 | 19:18 | LB137841 |
| | Iron | 38.0 | +/-50 | J | 100 | P | 11/10/2025 | 19:18 | LB137841 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 11/10/2025 | 19:18 | LB137841 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 11/10/2025 | 19:18 | LB137841 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 11/10/2025 | 19:18 | LB137841 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 11/10/2025 | 19:18 | LB137841 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 11/10/2025 | 19:18 | LB137841 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 11/10/2025 | 19:18 | LB137841 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 11/10/2025 | 19:18 | LB137841 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 11/10/2025 | 19:18 | LB137841 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 11/10/2025 | 19:18 | LB137841 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 11/10/2025 | 19:18 | LB137841 |
| | Zinc | 16.7 | +/-20 | U | 40.0 | P | 11/10/2025 | 19:18 | LB137841 |
| **CCB08** | Aluminum | 49.0 | +/-50 | J | 100 | P | 11/10/2025 | 20:26 | LB137841 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 11/10/2025 | 20:26 | LB137841 |

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



# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **Lab Code:** ACE

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB08** | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 11/10/2025 | 20:26 | LB137841 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 11/10/2025 | 20:26 | LB137841 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 11/10/2025 | 20:26 | LB137841 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 11/10/2025 | 20:26 | LB137841 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 11/10/2025 | 20:26 | LB137841 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 11/10/2025 | 20:26 | LB137841 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 11/10/2025 | 20:26 | LB137841 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 11/10/2025 | 20:26 | LB137841 |
| | Iron | 27.2 | +/-50 | J | 100 | P | 11/10/2025 | 20:26 | LB137841 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 11/10/2025 | 20:26 | LB137841 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 11/10/2025 | 20:26 | LB137841 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 11/10/2025 | 20:26 | LB137841 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 11/10/2025 | 20:26 | LB137841 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 11/10/2025 | 20:26 | LB137841 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 11/10/2025 | 20:26 | LB137841 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 11/10/2025 | 20:26 | LB137841 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 11/10/2025 | 20:26 | LB137841 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 11/10/2025 | 20:26 | LB137841 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 11/10/2025 | 20:26 | LB137841 |
| | Zinc | 16.7 | +/-20 | U | 40.0 | P | 11/10/2025 | 20:26 | LB137841 |
| **CCB09** | Aluminum | 11.3 | +/-50 | U | 100 | P | 11/10/2025 | 21:41 | LB137841 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 11/10/2025 | 21:41 | LB137841 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 11/10/2025 | 21:41 | LB137841 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 11/10/2025 | 21:41 | LB137841 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 11/10/2025 | 21:41 | LB137841 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 11/10/2025 | 21:41 | LB137841 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 11/10/2025 | 21:41 | LB137841 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 11/10/2025 | 21:41 | LB137841 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 11/10/2025 | 21:41 | LB137841 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 11/10/2025 | 21:41 | LB137841 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 11/10/2025 | 21:41 | LB137841 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 11/10/2025 | 21:41 | LB137841 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 11/10/2025 | 21:41 | LB137841 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 11/10/2025 | 21:41 | LB137841 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 11/10/2025 | 21:41 | LB137841 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 11/10/2025 | 21:41 | LB137841 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 11/10/2025 | 21:41 | LB137841 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 11/10/2025 | 21:41 | LB137841 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 11/10/2025 | 21:41 | LB137841 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **Lab Code:** ACE

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB09** | Thallium | 4.38 | +/-20 | U | 40.0 | P | 11/10/2025 | 21:41 | LB137841 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 11/10/2025 | 21:41 | LB137841 |
| | Zinc | 16.7 | +/-20 | U | 40.0 | P | 11/10/2025 | 21:41 | LB137841 |
| **CCB10** | Aluminum | 21.4 | +/-50 | J | 100 | P | 11/10/2025 | 22:47 | LB137841 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 11/10/2025 | 22:47 | LB137841 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 11/10/2025 | 22:47 | LB137841 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 11/10/2025 | 22:47 | LB137841 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 11/10/2025 | 22:47 | LB137841 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 11/10/2025 | 22:47 | LB137841 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 11/10/2025 | 22:47 | LB137841 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 11/10/2025 | 22:47 | LB137841 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 11/10/2025 | 22:47 | LB137841 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 11/10/2025 | 22:47 | LB137841 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 11/10/2025 | 22:47 | LB137841 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 11/10/2025 | 22:47 | LB137841 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 11/10/2025 | 22:47 | LB137841 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 11/10/2025 | 22:47 | LB137841 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 11/10/2025 | 22:47 | LB137841 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 11/10/2025 | 22:47 | LB137841 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 11/10/2025 | 22:47 | LB137841 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 11/10/2025 | 22:47 | LB137841 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 11/10/2025 | 22:47 | LB137841 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 11/10/2025 | 22:47 | LB137841 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 11/10/2025 | 22:47 | LB137841 |
| | Zinc | 16.7 | +/-20 | U | 40.0 | P | 11/10/2025 | 22:47 | LB137841 |
| **CCB11** | Aluminum | 39.4 | +/-50 | J | 100 | P | 11/10/2025 | 23:34 | LB137841 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 11/10/2025 | 23:34 | LB137841 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 11/10/2025 | 23:34 | LB137841 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 11/10/2025 | 23:34 | LB137841 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 11/10/2025 | 23:34 | LB137841 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 11/10/2025 | 23:34 | LB137841 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 11/10/2025 | 23:34 | LB137841 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 11/10/2025 | 23:34 | LB137841 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 11/10/2025 | 23:34 | LB137841 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 11/10/2025 | 23:34 | LB137841 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 11/10/2025 | 23:34 | LB137841 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 11/10/2025 | 23:34 | LB137841 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 11/10/2025 | 23:34 | LB137841 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 11/10/2025 | 23:34 | LB137841 |

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Fax : 908 789 8922



# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **Lab Code:** ACE

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| CCB11 | Nickel | 3.06 | +/-20 | U | 40.0 | P | 11/10/2025 | 23:34 | LB137841 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 11/10/2025 | 23:34 | LB137841 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 11/10/2025 | 23:34 | LB137841 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 11/10/2025 | 23:34 | LB137841 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 11/10/2025 | 23:34 | LB137841 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 11/10/2025 | 23:34 | LB137841 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 11/10/2025 | 23:34 | LB137841 |
| | Zinc | 16.7 | +/-20 | U | 40.0 | P | 11/10/2025 | 23:34 | LB137841 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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 | 11/14/2025 | 13:45 | LB137927 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 11/14/2025 | 13:45 | LB137927 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 11/14/2025 | 13:45 | LB137927 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 11/14/2025 | 13:45 | LB137927 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 11/14/2025 | 13:45 | LB137927 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 11/14/2025 | 13:45 | LB137927 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 11/14/2025 | 13:45 | LB137927 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 11/14/2025 | 13:45 | LB137927 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 11/14/2025 | 13:45 | LB137927 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 11/14/2025 | 13:45 | LB137927 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 11/14/2025 | 13:45 | LB137927 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 11/14/2025 | 13:45 | LB137927 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 11/14/2025 | 13:45 | LB137927 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 11/14/2025 | 13:45 | LB137927 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 11/14/2025 | 13:45 | LB137927 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 11/14/2025 | 13:45 | LB137927 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 11/14/2025 | 13:45 | LB137927 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 11/14/2025 | 13:45 | LB137927 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 11/14/2025 | 13:45 | LB137927 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 11/14/2025 | 13:45 | LB137927 |
| | Vanadium | 8.03 | +/-20 | J | 40.0 | P | 11/14/2025 | 13:45 | LB137927 |
| | Zinc | 16.7 | +/-20 | U | 40.0 | P | 11/14/2025 | 13:45 | LB137927 |

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Fax : 908 789 8922



# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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 | 11/14/2025 | 14:37 | LB137927 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 11/14/2025 | 14:37 | LB137927 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 11/14/2025 | 14:37 | LB137927 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 11/14/2025 | 14:37 | LB137927 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 11/14/2025 | 14:37 | LB137927 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 11/14/2025 | 14:37 | LB137927 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 11/14/2025 | 14:37 | LB137927 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 11/14/2025 | 14:37 | LB137927 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 11/14/2025 | 14:37 | LB137927 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 11/14/2025 | 14:37 | LB137927 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 11/14/2025 | 14:37 | LB137927 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 11/14/2025 | 14:37 | LB137927 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 11/14/2025 | 14:37 | LB137927 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 11/14/2025 | 14:37 | LB137927 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 11/14/2025 | 14:37 | LB137927 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 11/14/2025 | 14:37 | LB137927 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 11/14/2025 | 14:37 | LB137927 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 11/14/2025 | 14:37 | LB137927 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 11/14/2025 | 14:37 | LB137927 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 11/14/2025 | 14:37 | LB137927 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 11/14/2025 | 14:37 | LB137927 |
| | Zinc | 16.7 | +/-20 | U | 40.0 | P | 11/14/2025 | 14:37 | LB137927 |
| **CCB02** | Aluminum | 11.3 | +/-50 | U | 100 | P | 11/14/2025 | 15:40 | LB137927 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 11/14/2025 | 15:40 | LB137927 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 11/14/2025 | 15:40 | LB137927 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 11/14/2025 | 15:40 | LB137927 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 11/14/2025 | 15:40 | LB137927 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 11/14/2025 | 15:40 | LB137927 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 11/14/2025 | 15:40 | LB137927 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 11/14/2025 | 15:40 | LB137927 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 11/14/2025 | 15:40 | LB137927 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 11/14/2025 | 15:40 | LB137927 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 11/14/2025 | 15:40 | LB137927 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 11/14/2025 | 15:40 | LB137927 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 11/14/2025 | 15:40 | LB137927 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 11/14/2025 | 15:40 | LB137927 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 11/14/2025 | 15:40 | LB137927 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 11/14/2025 | 15:40 | LB137927 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 11/14/2025 | 15:40 | LB137927 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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 | 11/14/2025 | 15:40 | LB137927 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 11/14/2025 | 15:40 | LB137927 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 11/14/2025 | 15:40 | LB137927 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 11/14/2025 | 15:40 | LB137927 |
| | Zinc | 16.7 | +/-20 | U | 40.0 | P | 11/14/2025 | 15:40 | LB137927 |

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# Metals
## - 3b -
## PREPARATION BLANK SUMMARY

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Instrument:** CV1

| Sample ID | Analyte | Result (mg/Kg) | Acceptance Limit | Conc Qual | CRQL mg/Kg | M | Analysis Date | Analysis Time | Run |
|---|---|---|---|---|---|---|---|---|---|
| **PB170491BL** | | **SOLID** | | **Batch Number:** | **PB170491** | | **Prep Date:** | **11/11/2025** | |
| | Mercury | 0.0080 | <0.014 | U | 0.014 | CV | 11/11/2025 | 14:40 | LB137851 |

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# Metals
## - 3b -
## PREPARATION BLANK SUMMARY

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Instrument:** P4

| Sample ID | Analyte | Result (mg/Kg) | Acceptance Limit | Conc Qual | CRQL mg/Kg | M | Analysis Date | Analysis Time | Run |
|---|---|---|---|---|---|---|---|---|---|
| **PB170471BL** | | **SOLID** | | **Batch Number:** | **PB170471** | | **Prep Date:** | **11/10/2025** | |
| | Aluminum | 0.84 | <2.5 | U | 5.00 | P | 11/14/2025 | 15:00 | LB137927 |
| | Antimony | 0.22 | <1.25 | U | 2.50 | P | 11/14/2025 | 15:00 | LB137927 |
| | Arsenic | 0.19 | <0.5 | U | 1.00 | P | 11/14/2025 | 15:00 | LB137927 |
| | Barium | 0.73 | <2.5 | U | 5.00 | P | 11/14/2025 | 15:00 | LB137927 |
| | Beryllium | 0.025 | <0.15 | U | 0.30 | P | 11/14/2025 | 15:00 | LB137927 |
| | Cadmium | 0.024 | <0.15 | U | 0.30 | P | 11/14/2025 | 15:00 | LB137927 |
| | Calcium | 11.1 | <50 | U | 100 | P | 11/14/2025 | 15:00 | LB137927 |
| | Chromium | 0.075 | <0.25 | J | 0.50 | P | 11/14/2025 | 15:00 | LB137927 |
| | Cobalt | 0.10 | <0.75 | U | 1.50 | P | 11/14/2025 | 15:00 | LB137927 |
| | Copper | 0.22 | <0.5 | U | 1.00 | P | 11/14/2025 | 15:00 | LB137927 |
| | Iron | 3.99 | <2.5 | U* | 5.00 | P | 11/14/2025 | 15:00 | LB137927 |
| | Lead | 0.13 | <0.3 | U | 0.60 | P | 11/14/2025 | 15:00 | LB137927 |
| | Magnesium | 12.0 | <50 | U | 100 | P | 11/14/2025 | 15:00 | LB137927 |
| | Manganese | 0.15 | <0.5 | J | 1.00 | P | 11/14/2025 | 15:00 | LB137927 |
| | Nickel | 0.13 | <1 | U | 2.00 | P | 11/14/2025 | 15:00 | LB137927 |
| | Potassium | 27.7 | <50 | U | 100 | P | 11/14/2025 | 15:00 | LB137927 |
| | Selenium | 0.26 | <0.5 | U | 1.00 | P | 11/14/2025 | 15:00 | LB137927 |
| | Silver | 0.12 | <0.25 | U | 0.50 | P | 11/14/2025 | 15:00 | LB137927 |
| | Sodium | 17.8 | <50 | U | 100 | P | 11/14/2025 | 15:00 | LB137927 |
| | Thallium | 0.23 | <1 | U | 2.00 | P | 11/14/2025 | 15:00 | LB137927 |
| | Vanadium | 0.25 | <1 | U | 2.00 | P | 11/14/2025 | 15:00 | LB137927 |
| | Zinc | 0.23 | <1 | U | 2.00 | P | 11/14/2025 | 15:00 | LB137927 |

# METAL CALIBRATION DATA

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** Remington & Vernick Engineers
**SDG No.:** Q3586
**Contract:** REMI02
**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 |
|---|---|---|---|---|---|---|---|---|---|
| ICV109 | Mercury | 4.26 | 4.0 | 107 | 90 - 110 | CV | 11/11/2025 | 14:21 | LB137851 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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 |
|---|---|---|---|---|---|---|---|---|---|
| CCV56 | Mercury | 5.36 | 5.0 | 107 | 90 - 110 | CV | 11/11/2025 | 14:26 | LB137851 |
| CCV57 | Mercury | 4.94 | 5.0 | 99 | 90 - 110 | CV | 11/11/2025 | 15:01 | LB137851 |
| CCV58 | Mercury | 5.27 | 5.0 | 105 | 90 - 110 | CV | 11/11/2025 | 15:30 | LB137851 |
| CCV59 | Mercury | 4.71 | 5.0 | 94 | 90 - 110 | CV | 11/11/2025 | 15:58 | LB137851 |
| CCV60 | Mercury | 4.72 | 5.0 | 94 | 90 - 110 | CV | 11/11/2025 | 16:30 | LB137851 |
| CCV61 | Mercury | 4.89 | 5.0 | 98 | 90 - 110 | CV | 11/11/2025 | 16:40 | LB137851 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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 | 8040 | 8000 | 100 | 90 - 110 | P | 11/10/2025 | 11:45 | LB137841 |
| | Antimony | 4110 | 4000 | 103 | 90 - 110 | P | 11/10/2025 | 11:45 | LB137841 |
| | Arsenic | 3980 | 4000 | 100 | 90 - 110 | P | 11/10/2025 | 11:45 | LB137841 |
| | Barium | 7950 | 8000 | 99 | 90 - 110 | P | 11/10/2025 | 11:45 | LB137841 |
| | Beryllium | 208 | 200 | 104 | 90 - 110 | P | 11/10/2025 | 11:45 | LB137841 |
| | Cadmium | 1960 | 2000 | 98 | 90 - 110 | P | 11/10/2025 | 11:45 | LB137841 |
| | Calcium | 19900 | 20000 | 100 | 90 - 110 | P | 11/10/2025 | 11:45 | LB137841 |
| | Chromium | 829 | 800 | 104 | 90 - 110 | P | 11/10/2025 | 11:45 | LB137841 |
| | Cobalt | 2010 | 2000 | 100 | 90 - 110 | P | 11/10/2025 | 11:45 | LB137841 |
| | Copper | 1040 | 1000 | 104 | 90 - 110 | P | 11/10/2025 | 11:45 | LB137841 |
| | Iron | 4090 | 4000 | 102 | 90 - 110 | P | 11/10/2025 | 11:45 | LB137841 |
| | Lead | 4190 | 4000 | 105 | 90 - 110 | P | 11/10/2025 | 11:45 | LB137841 |
| | Magnesium | 20100 | 20000 | 101 | 90 - 110 | P | 11/10/2025 | 11:45 | LB137841 |
| | Manganese | 2000 | 2000 | 100 | 90 - 110 | P | 11/10/2025 | 11:45 | LB137841 |
| | Nickel | 2010 | 2000 | 100 | 90 - 110 | P | 11/10/2025 | 11:45 | LB137841 |
| | Potassium | 19900 | 20000 | 99 | 90 - 110 | P | 11/10/2025 | 11:45 | LB137841 |
| | Selenium | 4020 | 4000 | 101 | 90 - 110 | P | 11/10/2025 | 11:45 | LB137841 |
| | Silver | 1030 | 1000 | 103 | 90 - 110 | P | 11/10/2025 | 11:45 | LB137841 |
| | Sodium | 19600 | 20000 | 98 | 90 - 110 | P | 11/10/2025 | 11:45 | LB137841 |
| | Thallium | 4190 | 4000 | 105 | 90 - 110 | P | 11/10/2025 | 11:45 | LB137841 |
| | Vanadium | 1990 | 2000 | 100 | 90 - 110 | P | 11/10/2025 | 11:45 | LB137841 |
| | Zinc | 2020 | 2000 | 101 | 90 - 110 | P | 11/10/2025 | 11:45 | LB137841 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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 | 104 | 100 | 104 | 80 - 120 | P | 11/10/2025 | 11:57 | LB137841 |
| | Antimony | 49.9 | 50.0 | 100 | 80 - 120 | P | 11/10/2025 | 11:57 | LB137841 |
| | Arsenic | 22.4 | 20.0 | 112 | 80 - 120 | P | 11/10/2025 | 11:57 | LB137841 |
| | Barium | 95.0 | 100 | 95 | 80 - 120 | P | 11/10/2025 | 11:57 | LB137841 |
| | Beryllium | 6.31 | 6.0 | 105 | 80 - 120 | P | 11/10/2025 | 11:57 | LB137841 |
| | Cadmium | 5.56 | 6.0 | 93 | 80 - 120 | P | 11/10/2025 | 11:57 | LB137841 |
| | Calcium | 2020 | 2000 | 101 | 80 - 120 | P | 11/10/2025 | 11:57 | LB137841 |
| | Chromium | 10.1 | 10.0 | 101 | 80 - 120 | P | 11/10/2025 | 11:57 | LB137841 |
| | Cobalt | 28.9 | 30.0 | 96 | 80 - 120 | P | 11/10/2025 | 11:57 | LB137841 |
| | Copper | 20.3 | 20.0 | 101 | 80 - 120 | P | 11/10/2025 | 11:57 | LB137841 |
| | Iron | 116 | 100 | 116 | 80 - 120 | P | 11/10/2025 | 11:57 | LB137841 |
| | Lead | 10.8 | 12.0 | 90 | 80 - 120 | P | 11/10/2025 | 11:57 | LB137841 |
| | Magnesium | 2090 | 2000 | 104 | 80 - 120 | P | 11/10/2025 | 11:57 | LB137841 |
| | Manganese | 20.0 | 20.0 | 100 | 80 - 120 | P | 11/10/2025 | 11:57 | LB137841 |
| | Nickel | 38.3 | 40.0 | 96 | 80 - 120 | P | 11/10/2025 | 11:57 | LB137841 |
| | Potassium | 2050 | 2000 | 102 | 80 - 120 | P | 11/10/2025 | 11:57 | LB137841 |
| | Selenium | 22.1 | 20.0 | 110 | 80 - 120 | P | 11/10/2025 | 11:57 | LB137841 |
| | Silver | 11.0 | 10.0 | 110 | 80 - 120 | P | 11/10/2025 | 11:57 | LB137841 |
| | Sodium | 1660 | 2000 | 83 | 80 - 120 | P | 11/10/2025 | 11:57 | LB137841 |
| | Thallium | 34.5 | 40.0 | 86 | 80 - 120 | P | 11/10/2025 | 11:57 | LB137841 |
| | Vanadium | 39.3 | 40.0 | 98 | 80 - 120 | P | 11/10/2025 | 11:57 | LB137841 |
| | Zinc | 40.9 | 40.0 | 102 | 80 - 120 | P | 11/10/2025 | 11:57 | LB137841 |

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



# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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 | 10000 | 10000 | 100 | 90 - 110 | P | 11/10/2025 | 12:38 | LB137841 |
| | Antimony | 4960 | 5000 | 99 | 90 - 110 | P | 11/10/2025 | 12:38 | LB137841 |
| | Arsenic | 4940 | 5000 | 99 | 90 - 110 | P | 11/10/2025 | 12:38 | LB137841 |
| | Barium | 9910 | 10000 | 99 | 90 - 110 | P | 11/10/2025 | 12:38 | LB137841 |
| | Beryllium | 254 | 250 | 102 | 90 - 110 | P | 11/10/2025 | 12:38 | LB137841 |
| | Cadmium | 2460 | 2500 | 98 | 90 - 110 | P | 11/10/2025 | 12:38 | LB137841 |
| | Calcium | 24900 | 25000 | 100 | 90 - 110 | P | 11/10/2025 | 12:38 | LB137841 |
| | Chromium | 1000 | 1000 | 100 | 90 - 110 | P | 11/10/2025 | 12:38 | LB137841 |
| | Cobalt | 2450 | 2500 | 98 | 90 - 110 | P | 11/10/2025 | 12:38 | LB137841 |
| | Copper | 1240 | 1250 | 99 | 90 - 110 | P | 11/10/2025 | 12:38 | LB137841 |
| | Iron | 4860 | 5000 | 97 | 90 - 110 | P | 11/10/2025 | 12:38 | LB137841 |
| | Lead | 4910 | 5000 | 98 | 90 - 110 | P | 11/10/2025 | 12:38 | LB137841 |
| | Magnesium | 25000 | 25000 | 100 | 90 - 110 | P | 11/10/2025 | 12:38 | LB137841 |
| | Manganese | 2500 | 2500 | 100 | 90 - 110 | P | 11/10/2025 | 12:38 | LB137841 |
| | Nickel | 2460 | 2500 | 98 | 90 - 110 | P | 11/10/2025 | 12:38 | LB137841 |
| | Potassium | 23600 | 25000 | 94 | 90 - 110 | P | 11/10/2025 | 12:38 | LB137841 |
| | Selenium | 5030 | 5000 | 100 | 90 - 110 | P | 11/10/2025 | 12:38 | LB137841 |
| | Silver | 1240 | 1250 | 99 | 90 - 110 | P | 11/10/2025 | 12:38 | LB137841 |
| | Sodium | 24200 | 25000 | 97 | 90 - 110 | P | 11/10/2025 | 12:38 | LB137841 |
| | Thallium | 5160 | 5000 | 103 | 90 - 110 | P | 11/10/2025 | 12:38 | LB137841 |
| | Vanadium | 2500 | 2500 | 100 | 90 - 110 | P | 11/10/2025 | 12:38 | LB137841 |
| | Zinc | 2490 | 2500 | 99 | 90 - 110 | P | 11/10/2025 | 12:38 | LB137841 |
| CCV02 | Aluminum | 9970 | 10000 | 100 | 90 - 110 | P | 11/10/2025 | 13:28 | LB137841 |
| | Antimony | 5000 | 5000 | 100 | 90 - 110 | P | 11/10/2025 | 13:28 | LB137841 |
| | Arsenic | 4990 | 5000 | 100 | 90 - 110 | P | 11/10/2025 | 13:28 | LB137841 |
| | Barium | 9770 | 10000 | 98 | 90 - 110 | P | 11/10/2025 | 13:28 | LB137841 |
| | Beryllium | 255 | 250 | 102 | 90 - 110 | P | 11/10/2025 | 13:28 | LB137841 |
| | Cadmium | 2480 | 2500 | 99 | 90 - 110 | P | 11/10/2025 | 13:28 | LB137841 |
| | Calcium | 24900 | 25000 | 100 | 90 - 110 | P | 11/10/2025 | 13:28 | LB137841 |
| | Chromium | 1020 | 1000 | 102 | 90 - 110 | P | 11/10/2025 | 13:28 | LB137841 |
| | Cobalt | 2470 | 2500 | 99 | 90 - 110 | P | 11/10/2025 | 13:28 | LB137841 |
| | Copper | 1250 | 1250 | 100 | 90 - 110 | P | 11/10/2025 | 13:28 | LB137841 |
| | Iron | 4980 | 5000 | 100 | 90 - 110 | P | 11/10/2025 | 13:28 | LB137841 |
| | Lead | 4950 | 5000 | 99 | 90 - 110 | P | 11/10/2025 | 13:28 | LB137841 |

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:** Remington & Vernick Engineers
**SDG No.:** Q3586
**Contract:** REMI02
**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 | 24900 | 25000 | 100 | 90 - 110 | P | 11/10/2025 | 13:28 | LB137841 |
| | Manganese | 2470 | 2500 | 99 | 90 - 110 | P | 11/10/2025 | 13:28 | LB137841 |
| | Nickel | 2470 | 2500 | 99 | 90 - 110 | P | 11/10/2025 | 13:28 | LB137841 |
| | Potassium | 23500 | 25000 | 94 | 90 - 110 | P | 11/10/2025 | 13:28 | LB137841 |
| | Selenium | 5090 | 5000 | 102 | 90 - 110 | P | 11/10/2025 | 13:28 | LB137841 |
| | Silver | 1250 | 1250 | 100 | 90 - 110 | P | 11/10/2025 | 13:28 | LB137841 |
| | Sodium | 23700 | 25000 | 95 | 90 - 110 | P | 11/10/2025 | 13:28 | LB137841 |
| | Thallium | 4890 | 5000 | 98 | 90 - 110 | P | 11/10/2025 | 13:28 | LB137841 |
| | Vanadium | 2470 | 2500 | 99 | 90 - 110 | P | 11/10/2025 | 13:28 | LB137841 |
| | Zinc | 2500 | 2500 | 100 | 90 - 110 | P | 11/10/2025 | 13:28 | LB137841 |
| CCV03 | Aluminum | 10100 | 10000 | 101 | 90 - 110 | P | 11/10/2025 | 14:46 | LB137841 |
| | Antimony | 4950 | 5000 | 99 | 90 - 110 | P | 11/10/2025 | 14:46 | LB137841 |
| | Arsenic | 4930 | 5000 | 99 | 90 - 110 | P | 11/10/2025 | 14:46 | LB137841 |
| | Barium | 9820 | 10000 | 98 | 90 - 110 | P | 11/10/2025 | 14:46 | LB137841 |
| | Beryllium | 254 | 250 | 102 | 90 - 110 | P | 11/10/2025 | 14:46 | LB137841 |
| | Cadmium | 2440 | 2500 | 98 | 90 - 110 | P | 11/10/2025 | 14:46 | LB137841 |
| | Calcium | 25000 | 25000 | 100 | 90 - 110 | P | 11/10/2025 | 14:46 | LB137841 |
| | Chromium | 1010 | 1000 | 101 | 90 - 110 | P | 11/10/2025 | 14:46 | LB137841 |
| | Cobalt | 2440 | 2500 | 98 | 90 - 110 | P | 11/10/2025 | 14:46 | LB137841 |
| | Copper | 1240 | 1250 | 99 | 90 - 110 | P | 11/10/2025 | 14:46 | LB137841 |
| | Iron | 4870 | 5000 | 98 | 90 - 110 | P | 11/10/2025 | 14:46 | LB137841 |
| | Lead | 4860 | 5000 | 97 | 90 - 110 | P | 11/10/2025 | 14:46 | LB137841 |
| | Magnesium | 25100 | 25000 | 100 | 90 - 110 | P | 11/10/2025 | 14:46 | LB137841 |
| | Manganese | 2470 | 2500 | 99 | 90 - 110 | P | 11/10/2025 | 14:46 | LB137841 |
| | Nickel | 2440 | 2500 | 98 | 90 - 110 | P | 11/10/2025 | 14:46 | LB137841 |
| | Potassium | 23700 | 25000 | 95 | 90 - 110 | P | 11/10/2025 | 14:46 | LB137841 |
| | Selenium | 4990 | 5000 | 100 | 90 - 110 | P | 11/10/2025 | 14:46 | LB137841 |
| | Silver | 1230 | 1250 | 98 | 90 - 110 | P | 11/10/2025 | 14:46 | LB137841 |
| | Sodium | 24100 | 25000 | 96 | 90 - 110 | P | 11/10/2025 | 14:46 | LB137841 |
| | Thallium | 4840 | 5000 | 97 | 90 - 110 | P | 11/10/2025 | 14:46 | LB137841 |
| | Vanadium | 2500 | 2500 | 100 | 90 - 110 | P | 11/10/2025 | 14:46 | LB137841 |
| | Zinc | 2490 | 2500 | 100 | 90 - 110 | P | 11/10/2025 | 14:46 | LB137841 |
| CCV04 | Aluminum | 9830 | 10000 | 98 | 90 - 110 | P | 11/10/2025 | 15:44 | LB137841 |
| | Antimony | 5040 | 5000 | 101 | 90 - 110 | P | 11/10/2025 | 15:44 | LB137841 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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 | 11/10/2025 | 15:44 | LB137841 |
| | Barium | 9710 | 10000 | 97 | 90 - 110 | P | 11/10/2025 | 15:44 | LB137841 |
| | Beryllium | 249 | 250 | 100 | 90 - 110 | P | 11/10/2025 | 15:44 | LB137841 |
| | Cadmium | 2470 | 2500 | 99 | 90 - 110 | P | 11/10/2025 | 15:44 | LB137841 |
| | Calcium | 24400 | 25000 | 98 | 90 - 110 | P | 11/10/2025 | 15:44 | LB137841 |
| | Chromium | 1020 | 1000 | 102 | 90 - 110 | P | 11/10/2025 | 15:44 | LB137841 |
| | Cobalt | 2480 | 2500 | 99 | 90 - 110 | P | 11/10/2025 | 15:44 | LB137841 |
| | Copper | 1260 | 1250 | 101 | 90 - 110 | P | 11/10/2025 | 15:44 | LB137841 |
| | Iron | 4920 | 5000 | 98 | 90 - 110 | P | 11/10/2025 | 15:44 | LB137841 |
| | Lead | 4920 | 5000 | 98 | 90 - 110 | P | 11/10/2025 | 15:44 | LB137841 |
| | Magnesium | 24400 | 25000 | 97 | 90 - 110 | P | 11/10/2025 | 15:44 | LB137841 |
| | Manganese | 2420 | 2500 | 97 | 90 - 110 | P | 11/10/2025 | 15:44 | LB137841 |
| | Nickel | 2470 | 2500 | 99 | 90 - 110 | P | 11/10/2025 | 15:44 | LB137841 |
| | Potassium | 23600 | 25000 | 95 | 90 - 110 | P | 11/10/2025 | 15:44 | LB137841 |
| | Selenium | 5070 | 5000 | 102 | 90 - 110 | P | 11/10/2025 | 15:44 | LB137841 |
| | Silver | 1250 | 1250 | 100 | 90 - 110 | P | 11/10/2025 | 15:44 | LB137841 |
| | Sodium | 23600 | 25000 | 94 | 90 - 110 | P | 11/10/2025 | 15:44 | LB137841 |
| | Thallium | 5070 | 5000 | 101 | 90 - 110 | P | 11/10/2025 | 15:44 | LB137841 |
| | Vanadium | 2460 | 2500 | 98 | 90 - 110 | P | 11/10/2025 | 15:44 | LB137841 |
| | Zinc | 2530 | 2500 | 101 | 90 - 110 | P | 11/10/2025 | 15:44 | LB137841 |
| CCV05 | Aluminum | 9930 | 10000 | 99 | 90 - 110 | P | 11/10/2025 | 16:35 | LB137841 |
| | Antimony | 4940 | 5000 | 99 | 90 - 110 | P | 11/10/2025 | 16:35 | LB137841 |
| | Arsenic | 4930 | 5000 | 99 | 90 - 110 | P | 11/10/2025 | 16:35 | LB137841 |
| | Barium | 9850 | 10000 | 98 | 90 - 110 | P | 11/10/2025 | 16:35 | LB137841 |
| | Beryllium | 249 | 250 | 100 | 90 - 110 | P | 11/10/2025 | 16:35 | LB137841 |
| | Cadmium | 2430 | 2500 | 97 | 90 - 110 | P | 11/10/2025 | 16:35 | LB137841 |
| | Calcium | 24700 | 25000 | 99 | 90 - 110 | P | 11/10/2025 | 16:35 | LB137841 |
| | Chromium | 1000 | 1000 | 100 | 90 - 110 | P | 11/10/2025 | 16:35 | LB137841 |
| | Cobalt | 2440 | 2500 | 98 | 90 - 110 | P | 11/10/2025 | 16:35 | LB137841 |
| | Copper | 1250 | 1250 | 100 | 90 - 110 | P | 11/10/2025 | 16:35 | LB137841 |
| | Iron | 4900 | 5000 | 98 | 90 - 110 | P | 11/10/2025 | 16:35 | LB137841 |
| | Lead | 4810 | 5000 | 96 | 90 - 110 | P | 11/10/2025 | 16:35 | LB137841 |
| | Magnesium | 24700 | 25000 | 99 | 90 - 110 | P | 11/10/2025 | 16:35 | LB137841 |
| | Manganese | 2460 | 2500 | 98 | 90 - 110 | P | 11/10/2025 | 16:35 | LB137841 |

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

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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 | 2420 | 2500 | 97 | 90 - 110 | P | 11/10/2025 | 16:35 | LB137841 |
| | Potassium | 24100 | 25000 | 96 | 90 - 110 | P | 11/10/2025 | 16:35 | LB137841 |
| | Selenium | 4930 | 5000 | 99 | 90 - 110 | P | 11/10/2025 | 16:35 | LB137841 |
| | Silver | 1220 | 1250 | 98 | 90 - 110 | P | 11/10/2025 | 16:35 | LB137841 |
| | Sodium | 24400 | 25000 | 98 | 90 - 110 | P | 11/10/2025 | 16:35 | LB137841 |
| | Thallium | 4700 | 5000 | 94 | 90 - 110 | P | 11/10/2025 | 16:35 | LB137841 |
| | Vanadium | 2480 | 2500 | 99 | 90 - 110 | P | 11/10/2025 | 16:35 | LB137841 |
| | Zinc | 2500 | 2500 | 100 | 90 - 110 | P | 11/10/2025 | 16:35 | LB137841 |
| CCV06 | Aluminum | 10000 | 10000 | 100 | 90 - 110 | P | 11/10/2025 | 17:27 | LB137841 |
| | Antimony | 5040 | 5000 | 101 | 90 - 110 | P | 11/10/2025 | 17:27 | LB137841 |
| | Arsenic | 5030 | 5000 | 101 | 90 - 110 | P | 11/10/2025 | 17:27 | LB137841 |
| | Barium | 10000 | 10000 | 100 | 90 - 110 | P | 11/10/2025 | 17:27 | LB137841 |
| | Beryllium | 254 | 250 | 101 | 90 - 110 | P | 11/10/2025 | 17:27 | LB137841 |
| | Cadmium | 2470 | 2500 | 99 | 90 - 110 | P | 11/10/2025 | 17:27 | LB137841 |
| | Calcium | 25100 | 25000 | 100 | 90 - 110 | P | 11/10/2025 | 17:27 | LB137841 |
| | Chromium | 1030 | 1000 | 103 | 90 - 110 | P | 11/10/2025 | 17:27 | LB137841 |
| | Cobalt | 2480 | 2500 | 99 | 90 - 110 | P | 11/10/2025 | 17:27 | LB137841 |
| | Copper | 1270 | 1250 | 102 | 90 - 110 | P | 11/10/2025 | 17:27 | LB137841 |
| | Iron | 5060 | 5000 | 101 | 90 - 110 | P | 11/10/2025 | 17:27 | LB137841 |
| | Lead | 4880 | 5000 | 98 | 90 - 110 | P | 11/10/2025 | 17:27 | LB137841 |
| | Magnesium | 24900 | 25000 | 100 | 90 - 110 | P | 11/10/2025 | 17:27 | LB137841 |
| | Manganese | 2490 | 2500 | 100 | 90 - 110 | P | 11/10/2025 | 17:27 | LB137841 |
| | Nickel | 2460 | 2500 | 99 | 90 - 110 | P | 11/10/2025 | 17:27 | LB137841 |
| | Potassium | 24700 | 25000 | 99 | 90 - 110 | P | 11/10/2025 | 17:27 | LB137841 |
| | Selenium | 5010 | 5000 | 100 | 90 - 110 | P | 11/10/2025 | 17:27 | LB137841 |
| | Silver | 1260 | 1250 | 101 | 90 - 110 | P | 11/10/2025 | 17:27 | LB137841 |
| | Sodium | 24400 | 25000 | 98 | 90 - 110 | P | 11/10/2025 | 17:27 | LB137841 |
| | Thallium | 4560 | 5000 | 91 | 90 - 110 | P | 11/10/2025 | 17:27 | LB137841 |
| | Vanadium | 2490 | 2500 | 100 | 90 - 110 | P | 11/10/2025 | 17:27 | LB137841 |
| | Zinc | 2590 | 2500 | 103 | 90 - 110 | P | 11/10/2025 | 17:27 | LB137841 |
| CCV07 | Aluminum | 10400 | 10000 | 104 | 90 - 110 | P | 11/10/2025 | 19:14 | LB137841 |
| | Antimony | 5230 | 5000 | 105 | 90 - 110 | P | 11/10/2025 | 19:14 | LB137841 |
| | Arsenic | 5260 | 5000 | 105 | 90 - 110 | P | 11/10/2025 | 19:14 | LB137841 |
| | Barium | 10100 | 10000 | 101 | 90 - 110 | P | 11/10/2025 | 19:14 | LB137841 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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 | 264 | 250 | 106 | 90 - 110 | P | 11/10/2025 | 19:14 | LB137841 |
| | Cadmium | 2590 | 2500 | 104 | 90 - 110 | P | 11/10/2025 | 19:14 | LB137841 |
| | Calcium | 25800 | 25000 | 103 | 90 - 110 | P | 11/10/2025 | 19:14 | LB137841 |
| | Chromium | 1080 | 1000 | 108 | 90 - 110 | P | 11/10/2025 | 19:14 | LB137841 |
| | Cobalt | 2590 | 2500 | 104 | 90 - 110 | P | 11/10/2025 | 19:14 | LB137841 |
| | Copper | 1320 | 1250 | 105 | 90 - 110 | P | 11/10/2025 | 19:14 | LB137841 |
| | Iron | 5290 | 5000 | 106 | 90 - 110 | P | 11/10/2025 | 19:14 | LB137841 |
| | Lead | 5130 | 5000 | 103 | 90 - 110 | P | 11/10/2025 | 19:14 | LB137841 |
| | Magnesium | 25900 | 25000 | 103 | 90 - 110 | P | 11/10/2025 | 19:14 | LB137841 |
| | Manganese | 2530 | 2500 | 101 | 90 - 110 | P | 11/10/2025 | 19:14 | LB137841 |
| | Nickel | 2570 | 2500 | 103 | 90 - 110 | P | 11/10/2025 | 19:14 | LB137841 |
| | Potassium | 25600 | 25000 | 102 | 90 - 110 | P | 11/10/2025 | 19:14 | LB137841 |
| | Selenium | 5340 | 5000 | 107 | 90 - 110 | P | 11/10/2025 | 19:14 | LB137841 |
| | Silver | 1320 | 1250 | 106 | 90 - 110 | P | 11/10/2025 | 19:14 | LB137841 |
| | Sodium | 24600 | 25000 | 98 | 90 - 110 | P | 11/10/2025 | 19:14 | LB137841 |
| | Thallium | 4950 | 5000 | 99 | 90 - 110 | P | 11/10/2025 | 19:14 | LB137841 |
| | Vanadium | 2590 | 2500 | 104 | 90 - 110 | P | 11/10/2025 | 19:14 | LB137841 |
| | Zinc | 2680 | 2500 | 107 | 90 - 110 | P | 11/10/2025 | 19:14 | LB137841 |
| CCV08 | Aluminum | 10400 | 10000 | 104 | 90 - 110 | P | 11/10/2025 | 20:11 | LB137841 |
| | Antimony | 5230 | 5000 | 105 | 90 - 110 | P | 11/10/2025 | 20:11 | LB137841 |
| | Arsenic | 5270 | 5000 | 105 | 90 - 110 | P | 11/10/2025 | 20:11 | LB137841 |
| | Barium | 10200 | 10000 | 102 | 90 - 110 | P | 11/10/2025 | 20:11 | LB137841 |
| | Beryllium | 263 | 250 | 105 | 90 - 110 | P | 11/10/2025 | 20:11 | LB137841 |
| | Cadmium | 2600 | 2500 | 104 | 90 - 110 | P | 11/10/2025 | 20:11 | LB137841 |
| | Calcium | 26000 | 25000 | 104 | 90 - 110 | P | 11/10/2025 | 20:11 | LB137841 |
| | Chromium | 1080 | 1000 | 108 | 90 - 110 | P | 11/10/2025 | 20:11 | LB137841 |
| | Cobalt | 2600 | 2500 | 104 | 90 - 110 | P | 11/10/2025 | 20:11 | LB137841 |
| | Copper | 1320 | 1250 | 106 | 90 - 110 | P | 11/10/2025 | 20:11 | LB137841 |
| | Iron | 5350 | 5000 | 107 | 90 - 110 | P | 11/10/2025 | 20:11 | LB137841 |
| | Lead | 5140 | 5000 | 103 | 90 - 110 | P | 11/10/2025 | 20:11 | LB137841 |
| | Magnesium | 26000 | 25000 | 104 | 90 - 110 | P | 11/10/2025 | 20:11 | LB137841 |
| | Manganese | 2560 | 2500 | 102 | 90 - 110 | P | 11/10/2025 | 20:11 | LB137841 |
| | Nickel | 2580 | 2500 | 103 | 90 - 110 | P | 11/10/2025 | 20:11 | LB137841 |
| | Potassium | 25300 | 25000 | 101 | 90 - 110 | P | 11/10/2025 | 20:11 | LB137841 |

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

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** Remington & Vernick Engineers
**SDG No.:** Q3586
**Contract:** REMI02
**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 |
|---|---|---|---|---|---|---|---|---|---|
| CCV08 | Selenium | 5310 | 5000 | 106 | 90 - 110 | P | 11/10/2025 | 20:11 | LB137841 |
| | Silver | 1310 | 1250 | 105 | 90 - 110 | P | 11/10/2025 | 20:11 | LB137841 |
| | Sodium | 24300 | 25000 | 97 | 90 - 110 | P | 11/10/2025 | 20:11 | LB137841 |
| | Thallium | 5060 | 5000 | 101 | 90 - 110 | P | 11/10/2025 | 20:11 | LB137841 |
| | Vanadium | 2600 | 2500 | 104 | 90 - 110 | P | 11/10/2025 | 20:11 | LB137841 |
| | Zinc | 2680 | 2500 | 107 | 90 - 110 | P | 11/10/2025 | 20:11 | LB137841 |
| CCV09 | Aluminum | 10100 | 10000 | 101 | 90 - 110 | P | 11/10/2025 | 21:31 | LB137841 |
| | Antimony | 5080 | 5000 | 102 | 90 - 110 | P | 11/10/2025 | 21:31 | LB137841 |
| | Arsenic | 5090 | 5000 | 102 | 90 - 110 | P | 11/10/2025 | 21:31 | LB137841 |
| | Barium | 10200 | 10000 | 102 | 90 - 110 | P | 11/10/2025 | 21:31 | LB137841 |
| | Beryllium | 252 | 250 | 101 | 90 - 110 | P | 11/10/2025 | 21:31 | LB137841 |
| | Cadmium | 2490 | 2500 | 100 | 90 - 110 | P | 11/10/2025 | 21:31 | LB137841 |
| | Calcium | 25200 | 25000 | 101 | 90 - 110 | P | 11/10/2025 | 21:31 | LB137841 |
| | Chromium | 1030 | 1000 | 103 | 90 - 110 | P | 11/10/2025 | 21:31 | LB137841 |
| | Cobalt | 2510 | 2500 | 100 | 90 - 110 | P | 11/10/2025 | 21:31 | LB137841 |
| | Copper | 1280 | 1250 | 103 | 90 - 110 | P | 11/10/2025 | 21:31 | LB137841 |
| | Iron | 5180 | 5000 | 104 | 90 - 110 | P | 11/10/2025 | 21:31 | LB137841 |
| | Lead | 4890 | 5000 | 98 | 90 - 110 | P | 11/10/2025 | 21:31 | LB137841 |
| | Magnesium | 25100 | 25000 | 101 | 90 - 110 | P | 11/10/2025 | 21:31 | LB137841 |
| | Manganese | 2500 | 2500 | 100 | 90 - 110 | P | 11/10/2025 | 21:31 | LB137841 |
| | Nickel | 2480 | 2500 | 99 | 90 - 110 | P | 11/10/2025 | 21:31 | LB137841 |
| | Potassium | 25900 | 25000 | 104 | 90 - 110 | P | 11/10/2025 | 21:31 | LB137841 |
| | Selenium | 5050 | 5000 | 101 | 90 - 110 | P | 11/10/2025 | 21:31 | LB137841 |
| | Silver | 1270 | 1250 | 102 | 90 - 110 | P | 11/10/2025 | 21:31 | LB137841 |
| | Sodium | 26500 | 25000 | 106 | 90 - 110 | P | 11/10/2025 | 21:31 | LB137841 |
| | Thallium | 4700 | 5000 | 94 | 90 - 110 | P | 11/10/2025 | 21:31 | LB137841 |
| | Vanadium | 2520 | 2500 | 101 | 90 - 110 | P | 11/10/2025 | 21:31 | LB137841 |
| | Zinc | 2630 | 2500 | 105 | 90 - 110 | P | 11/10/2025 | 21:31 | LB137841 |
| CCV10 | Aluminum | 9960 | 10000 | 100 | 90 - 110 | P | 11/10/2025 | 22:29 | LB137841 |
| | Antimony | 4970 | 5000 | 99 | 90 - 110 | P | 11/10/2025 | 22:29 | LB137841 |
| | Arsenic | 4990 | 5000 | 100 | 90 - 110 | P | 11/10/2025 | 22:29 | LB137841 |
| | Barium | 9860 | 10000 | 99 | 90 - 110 | P | 11/10/2025 | 22:29 | LB137841 |
| | Beryllium | 251 | 250 | 100 | 90 - 110 | P | 11/10/2025 | 22:29 | LB137841 |
| | Cadmium | 2450 | 2500 | 98 | 90 - 110 | P | 11/10/2025 | 22:29 | LB137841 |

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Fax : 908 789 8922



# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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 |
|---|---|---|---|---|---|---|---|---|---|
| CCV10 | Calcium | 24900 | 25000 | 100 | 90 - 110 | P | 11/10/2025 | 22:29 | LB137841 |
| | Chromium | 1030 | 1000 | 103 | 90 - 110 | P | 11/10/2025 | 22:29 | LB137841 |
| | Cobalt | 2470 | 2500 | 99 | 90 - 110 | P | 11/10/2025 | 22:29 | LB137841 |
| | Copper | 1260 | 1250 | 101 | 90 - 110 | P | 11/10/2025 | 22:29 | LB137841 |
| | Iron | 5090 | 5000 | 102 | 90 - 110 | P | 11/10/2025 | 22:29 | LB137841 |
| | Lead | 4820 | 5000 | 96 | 90 - 110 | P | 11/10/2025 | 22:29 | LB137841 |
| | Magnesium | 24900 | 25000 | 100 | 90 - 110 | P | 11/10/2025 | 22:29 | LB137841 |
| | Manganese | 2460 | 2500 | 98 | 90 - 110 | P | 11/10/2025 | 22:29 | LB137841 |
| | Nickel | 2440 | 2500 | 98 | 90 - 110 | P | 11/10/2025 | 22:29 | LB137841 |
| | Potassium | 26200 | 25000 | 105 | 90 - 110 | P | 11/10/2025 | 22:29 | LB137841 |
| | Selenium | 4960 | 5000 | 99 | 90 - 110 | P | 11/10/2025 | 22:29 | LB137841 |
| | Silver | 1250 | 1250 | 100 | 90 - 110 | P | 11/10/2025 | 22:29 | LB137841 |
| | Sodium | 27400 | 25000 | 110 | 90 - 110 | P | 11/10/2025 | 22:29 | LB137841 |
| | Thallium | 4540 | 5000 | 91 | 90 - 110 | P | 11/10/2025 | 22:29 | LB137841 |
| | Vanadium | 2500 | 2500 | 100 | 90 - 110 | P | 11/10/2025 | 22:29 | LB137841 |
| | Zinc | 2580 | 2500 | 103 | 90 - 110 | P | 11/10/2025 | 22:29 | LB137841 |
| CCV11 | Aluminum | 9830 | 10000 | 98 | 90 - 110 | P | 11/10/2025 | 23:30 | LB137841 |
| | Antimony | 5020 | 5000 | 100 | 90 - 110 | P | 11/10/2025 | 23:30 | LB137841 |
| | Arsenic | 5060 | 5000 | 101 | 90 - 110 | P | 11/10/2025 | 23:30 | LB137841 |
| | Barium | 9690 | 10000 | 97 | 90 - 110 | P | 11/10/2025 | 23:30 | LB137841 |
| | Beryllium | 248 | 250 | 99 | 90 - 110 | P | 11/10/2025 | 23:30 | LB137841 |
| | Cadmium | 2480 | 2500 | 99 | 90 - 110 | P | 11/10/2025 | 23:30 | LB137841 |
| | Calcium | 24500 | 25000 | 98 | 90 - 110 | P | 11/10/2025 | 23:30 | LB137841 |
| | Chromium | 1040 | 1000 | 104 | 90 - 110 | P | 11/10/2025 | 23:30 | LB137841 |
| | Cobalt | 2490 | 2500 | 100 | 90 - 110 | P | 11/10/2025 | 23:30 | LB137841 |
| | Copper | 1270 | 1250 | 102 | 90 - 110 | P | 11/10/2025 | 23:30 | LB137841 |
| | Iron | 5100 | 5000 | 102 | 90 - 110 | P | 11/10/2025 | 23:30 | LB137841 |
| | Lead | 4890 | 5000 | 98 | 90 - 110 | P | 11/10/2025 | 23:30 | LB137841 |
| | Magnesium | 24600 | 25000 | 98 | 90 - 110 | P | 11/10/2025 | 23:30 | LB137841 |
| | Manganese | 2410 | 2500 | 96 | 90 - 110 | P | 11/10/2025 | 23:30 | LB137841 |
| | Nickel | 2470 | 2500 | 99 | 90 - 110 | P | 11/10/2025 | 23:30 | LB137841 |
| | Potassium | 25600 | 25000 | 102 | 90 - 110 | P | 11/10/2025 | 23:30 | LB137841 |
| | Selenium | 5050 | 5000 | 101 | 90 - 110 | P | 11/10/2025 | 23:30 | LB137841 |
| | Silver | 1260 | 1250 | 101 | 90 - 110 | P | 11/10/2025 | 23:30 | LB137841 |

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



# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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 |
|---|---|---|---|---|---|---|---|---|---|
| CCV11 | Sodium | 24300 | 25000 | 97 | 90 - 110 | P | 11/10/2025 | 23:30 | LB137841 |
| | Thallium | 4790 | 5000 | 96 | 90 - 110 | P | 11/10/2025 | 23:30 | LB137841 |
| | Vanadium | 2470 | 2500 | 99 | 90 - 110 | P | 11/10/2025 | 23:30 | LB137841 |
| | Zinc | 2590 | 2500 | 103 | 90 - 110 | P | 11/10/2025 | 23:30 | LB137841 |

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Fax : 908 789 8922



# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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 | 7990 | 8000 | 100 | 90 - 110 | P | 11/14/2025 | 13:37 | LB137927 |
| | Antimony | 4070 | 4000 | 102 | 90 - 110 | P | 11/14/2025 | 13:37 | LB137927 |
| | Arsenic | 3980 | 4000 | 100 | 90 - 110 | P | 11/14/2025 | 13:37 | LB137927 |
| | Barium | 8080 | 8000 | 101 | 90 - 110 | P | 11/14/2025 | 13:37 | LB137927 |
| | Beryllium | 204 | 200 | 102 | 90 - 110 | P | 11/14/2025 | 13:37 | LB137927 |
| | Cadmium | 1960 | 2000 | 98 | 90 - 110 | P | 11/14/2025 | 13:37 | LB137927 |
| | Calcium | 20000 | 20000 | 100 | 90 - 110 | P | 11/14/2025 | 13:37 | LB137927 |
| | Chromium | 816 | 800 | 102 | 90 - 110 | P | 11/14/2025 | 13:37 | LB137927 |
| | Cobalt | 2000 | 2000 | 100 | 90 - 110 | P | 11/14/2025 | 13:37 | LB137927 |
| | Copper | 1030 | 1000 | 103 | 90 - 110 | P | 11/14/2025 | 13:37 | LB137927 |
| | Iron | 4160 | 4000 | 104 | 90 - 110 | P | 11/14/2025 | 13:37 | LB137927 |
| | Lead | 3880 | 4000 | 97 | 90 - 110 | P | 11/14/2025 | 13:37 | LB137927 |
| | Magnesium | 20000 | 20000 | 100 | 90 - 110 | P | 11/14/2025 | 13:37 | LB137927 |
| | Manganese | 2020 | 2000 | 101 | 90 - 110 | P | 11/14/2025 | 13:37 | LB137927 |
| | Nickel | 2000 | 2000 | 100 | 90 - 110 | P | 11/14/2025 | 13:37 | LB137927 |
| | Potassium | 20600 | 20000 | 103 | 90 - 110 | P | 11/14/2025 | 13:37 | LB137927 |
| | Selenium | 3990 | 4000 | 100 | 90 - 110 | P | 11/14/2025 | 13:37 | LB137927 |
| | Silver | 1010 | 1000 | 102 | 90 - 110 | P | 11/14/2025 | 13:37 | LB137927 |
| | Sodium | 21100 | 20000 | 106 | 90 - 110 | P | 11/14/2025 | 13:37 | LB137927 |
| | Thallium | 3800 | 4000 | 95 | 90 - 110 | P | 11/14/2025 | 13:37 | LB137927 |
| | Vanadium | 2000 | 2000 | 100 | 90 - 110 | P | 11/14/2025 | 13:37 | LB137927 |
| | Zinc | 2030 | 2000 | 102 | 90 - 110 | P | 11/14/2025 | 13:37 | LB137927 |

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Fax : 908 789 8922



# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** Remington & Vernick Engineers
**SDG No.:** Q3586
**Contract:** REMI02
**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 | 10300 | 10000 | 103 | 90 - 110 | P | 11/14/2025 | 14:24 | LB137927 |
| | Antimony | 5080 | 5000 | 102 | 90 - 110 | P | 11/14/2025 | 14:24 | LB137927 |
| | Arsenic | 5030 | 5000 | 101 | 90 - 110 | P | 11/14/2025 | 14:24 | LB137927 |
| | Barium | 10400 | 10000 | 104 | 90 - 110 | P | 11/14/2025 | 14:24 | LB137927 |
| | Beryllium | 258 | 250 | 103 | 90 - 110 | P | 11/14/2025 | 14:24 | LB137927 |
| | Cadmium | 2510 | 2500 | 100 | 90 - 110 | P | 11/14/2025 | 14:24 | LB137927 |
| | Calcium | 25800 | 25000 | 103 | 90 - 110 | P | 11/14/2025 | 14:24 | LB137927 |
| | Chromium | 1020 | 1000 | 102 | 90 - 110 | P | 11/14/2025 | 14:24 | LB137927 |
| | Cobalt | 2520 | 2500 | 101 | 90 - 110 | P | 11/14/2025 | 14:24 | LB137927 |
| | Copper | 1270 | 1250 | 102 | 90 - 110 | P | 11/14/2025 | 14:24 | LB137927 |
| | Iron | 5190 | 5000 | 104 | 90 - 110 | P | 11/14/2025 | 14:24 | LB137927 |
| | Lead | 5010 | 5000 | 100 | 90 - 110 | P | 11/14/2025 | 14:24 | LB137927 |
| | Magnesium | 25600 | 25000 | 102 | 90 - 110 | P | 11/14/2025 | 14:24 | LB137927 |
| | Manganese | 2600 | 2500 | 104 | 90 - 110 | P | 11/14/2025 | 14:24 | LB137927 |
| | Nickel | 2520 | 2500 | 101 | 90 - 110 | P | 11/14/2025 | 14:24 | LB137927 |
| | Potassium | 25700 | 25000 | 103 | 90 - 110 | P | 11/14/2025 | 14:24 | LB137927 |
| | Selenium | 4990 | 5000 | 100 | 90 - 110 | P | 11/14/2025 | 14:24 | LB137927 |
| | Silver | 1280 | 1250 | 103 | 90 - 110 | P | 11/14/2025 | 14:24 | LB137927 |
| | Sodium | 26700 | 25000 | 107 | 90 - 110 | P | 11/14/2025 | 14:24 | LB137927 |
| | Thallium | 4660 | 5000 | 93 | 90 - 110 | P | 11/14/2025 | 14:24 | LB137927 |
| | Vanadium | 2560 | 2500 | 102 | 90 - 110 | P | 11/14/2025 | 14:24 | LB137927 |
| | Zinc | 2550 | 2500 | 102 | 90 - 110 | P | 11/14/2025 | 14:24 | LB137927 |

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Fax : 908 789 8922



# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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 | 105 | 100 | 105 | 80 - 120 | P | 11/14/2025 | 14:33 | LB137927 |
| | Antimony | 51.1 | 50.0 | 102 | 80 - 120 | P | 11/14/2025 | 14:33 | LB137927 |
| | Arsenic | 23.2 | 20.0 | 116 | 80 - 120 | P | 11/14/2025 | 14:33 | LB137927 |
| | Barium | 101 | 100 | 101 | 80 - 120 | P | 11/14/2025 | 14:33 | LB137927 |
| | Beryllium | 6.62 | 6.0 | 110 | 80 - 120 | P | 11/14/2025 | 14:33 | LB137927 |
| | Cadmium | 6.19 | 6.0 | 103 | 80 - 120 | P | 11/14/2025 | 14:33 | LB137927 |
| | Calcium | 2130 | 2000 | 106 | 80 - 120 | P | 11/14/2025 | 14:33 | LB137927 |
| | Chromium | 11.5 | 10.0 | 115 | 80 - 120 | P | 11/14/2025 | 14:33 | LB137927 |
| | Cobalt | 30.9 | 30.0 | 103 | 80 - 120 | P | 11/14/2025 | 14:33 | LB137927 |
| | Copper | 22.3 | 20.0 | 111 | 80 - 120 | P | 11/14/2025 | 14:33 | LB137927 |
| | Iron | 106 | 100 | 106 | 80 - 120 | P | 11/14/2025 | 14:33 | LB137927 |
| | Lead | 12.0 | 12.0 | 100 | 80 - 120 | P | 11/14/2025 | 14:33 | LB137927 |
| | Magnesium | 2180 | 2000 | 109 | 80 - 120 | P | 11/14/2025 | 14:33 | LB137927 |
| | Manganese | 23.1 | 20.0 | 116 | 80 - 120 | P | 11/14/2025 | 14:33 | LB137927 |
| | Nickel | 40.9 | 40.0 | 102 | 80 - 120 | P | 11/14/2025 | 14:33 | LB137927 |
| | Potassium | 1830 | 2000 | 92 | 80 - 120 | P | 11/14/2025 | 14:33 | LB137927 |
| | Selenium | 19.0 | 20.0 | 95 | 80 - 120 | P | 11/14/2025 | 14:33 | LB137927 |
| | Silver | 11.1 | 10.0 | 111 | 80 - 120 | P | 11/14/2025 | 14:33 | LB137927 |
| | Sodium | 1790 | 2000 | 90 | 80 - 120 | P | 11/14/2025 | 14:33 | LB137927 |
| | Thallium | 36.4 | 40.0 | 91 | 80 - 120 | P | 11/14/2025 | 14:33 | LB137927 |
| | Vanadium | 42.8 | 40.0 | 107 | 80 - 120 | P | 11/14/2025 | 14:33 | LB137927 |
| | Zinc | 43.9 | 40.0 | 110 | 80 - 120 | P | 11/14/2025 | 14:33 | LB137927 |

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



# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** Remington & Vernick Engineers
**SDG No.:** Q3586
**Contract:** REMI02
**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 | Aluminum | 9970 | 10000 | 100 | 90 - 110 | P | 11/14/2025 | 15:37 | LB137927 |
| | Antimony | 4970 | 5000 | 99 | 90 - 110 | P | 11/14/2025 | 15:37 | LB137927 |
| | Arsenic | 4960 | 5000 | 99 | 90 - 110 | P | 11/14/2025 | 15:37 | LB137927 |
| | Barium | 9870 | 10000 | 99 | 90 - 110 | P | 11/14/2025 | 15:37 | LB137927 |
| | Beryllium | 249 | 250 | 100 | 90 - 110 | P | 11/14/2025 | 15:37 | LB137927 |
| | Cadmium | 2480 | 2500 | 99 | 90 - 110 | P | 11/14/2025 | 15:37 | LB137927 |
| | Calcium | 24900 | 25000 | 100 | 90 - 110 | P | 11/14/2025 | 15:37 | LB137927 |
| | Chromium | 1000 | 1000 | 100 | 90 - 110 | P | 11/14/2025 | 15:37 | LB137927 |
| | Cobalt | 2470 | 2500 | 99 | 90 - 110 | P | 11/14/2025 | 15:37 | LB137927 |
| | Copper | 1240 | 1250 | 100 | 90 - 110 | P | 11/14/2025 | 15:37 | LB137927 |
| | Iron | 5050 | 5000 | 101 | 90 - 110 | P | 11/14/2025 | 15:37 | LB137927 |
| | Lead | 4960 | 5000 | 99 | 90 - 110 | P | 11/14/2025 | 15:37 | LB137927 |
| | Magnesium | 24800 | 25000 | 99 | 90 - 110 | P | 11/14/2025 | 15:37 | LB137927 |
| | Manganese | 2480 | 2500 | 99 | 90 - 110 | P | 11/14/2025 | 15:37 | LB137927 |
| | Nickel | 2480 | 2500 | 99 | 90 - 110 | P | 11/14/2025 | 15:37 | LB137927 |
| | Potassium | 24400 | 25000 | 98 | 90 - 110 | P | 11/14/2025 | 15:37 | LB137927 |
| | Selenium | 4980 | 5000 | 100 | 90 - 110 | P | 11/14/2025 | 15:37 | LB137927 |
| | Silver | 1250 | 1250 | 100 | 90 - 110 | P | 11/14/2025 | 15:37 | LB137927 |
| | Sodium | 24400 | 25000 | 98 | 90 - 110 | P | 11/14/2025 | 15:37 | LB137927 |
| | Thallium | 4740 | 5000 | 95 | 90 - 110 | P | 11/14/2025 | 15:37 | LB137927 |
| | Vanadium | 2490 | 2500 | 100 | 90 - 110 | P | 11/14/2025 | 15:37 | LB137927 |
| | Zinc | 2490 | 2500 | 100 | 90 - 110 | P | 11/14/2025 | 15:37 | LB137927 |

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



# Metals

## - 2b -
## CRDL STANDARD FOR AA & ICP

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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 |
|---|---|---|---|---|---|---|---|---|---|
| CRI01 | Aluminum | 93.6 | 100 | 94 | 65 - 135 | P | 11/10/2025 | 12:16 | LB137841 |
| | Antimony | 48.8 | 50.0 | 98 | 65 - 135 | P | 11/10/2025 | 12:16 | LB137841 |
| | Arsenic | 19.4 | 20.0 | 97 | 65 - 135 | P | 11/10/2025 | 12:16 | LB137841 |
| | Barium | 98.6 | 100 | 99 | 65 - 135 | P | 11/10/2025 | 12:16 | LB137841 |
| | Beryllium | 6.53 | 6.0 | 109 | 65 - 135 | P | 11/10/2025 | 12:16 | LB137841 |
| | Cadmium | 5.98 | 6.0 | 100 | 65 - 135 | P | 11/10/2025 | 12:16 | LB137841 |
| | Calcium | 2140 | 2000 | 107 | 65 - 135 | P | 11/10/2025 | 12:16 | LB137841 |
| | Chromium | 9.05 | 10.0 | 90 | 65 - 135 | P | 11/10/2025 | 12:16 | LB137841 |
| | Cobalt | 29.8 | 30.0 | 99 | 65 - 135 | P | 11/10/2025 | 12:16 | LB137841 |
| | Copper | 21.9 | 20.0 | 110 | 65 - 135 | P | 11/10/2025 | 12:16 | LB137841 |
| | Iron | 112 | 100 | 112 | 65 - 135 | P | 11/10/2025 | 12:16 | LB137841 |
| | Lead | 11.1 | 12.0 | 93 | 65 - 135 | P | 11/10/2025 | 12:16 | LB137841 |
| | Magnesium | 2250 | 2000 | 113 | 65 - 135 | P | 11/10/2025 | 12:16 | LB137841 |
| | Manganese | 21.5 | 20.0 | 108 | 65 - 135 | P | 11/10/2025 | 12:16 | LB137841 |
| | Nickel | 39.7 | 40.0 | 99 | 65 - 135 | P | 11/10/2025 | 12:16 | LB137841 |
| | Potassium | 2030 | 2000 | 101 | 65 - 135 | P | 11/10/2025 | 12:16 | LB137841 |
| | Selenium | 22.6 | 20.0 | 113 | 65 - 135 | P | 11/10/2025 | 12:16 | LB137841 |
| | Silver | 10.1 | 10.0 | 101 | 65 - 135 | P | 11/10/2025 | 12:16 | LB137841 |
| | Sodium | 1620 | 2000 | 81 | 65 - 135 | P | 11/10/2025 | 12:16 | LB137841 |
| | Thallium | 39.2 | 40.0 | 98 | 65 - 135 | P | 11/10/2025 | 12:16 | LB137841 |
| | Vanadium | 35.6 | 40.0 | 89 | 65 - 135 | P | 11/10/2025 | 12:16 | LB137841 |
| | Zinc | 43.2 | 40.0 | 108 | 65 - 135 | P | 11/10/2025 | 12:16 | LB137841 |
| CRA | Mercury | 0.16 | 0.2 | 80 | 70 - 130 | CV | 11/11/2025 | 14:33 | LB137851 |
| CRI01 | Aluminum | 88.9 | 100 | 89 | 65 - 135 | P | 11/14/2025 | 14:00 | LB137927 |
| | Antimony | 52.1 | 50.0 | 104 | 65 - 135 | P | 11/14/2025 | 14:00 | LB137927 |
| | Arsenic | 19.0 | 20.0 | 95 | 65 - 135 | P | 11/14/2025 | 14:00 | LB137927 |
| | Barium | 94.7 | 100 | 95 | 65 - 135 | P | 11/14/2025 | 14:00 | LB137927 |
| | Beryllium | 6.49 | 6.0 | 108 | 65 - 135 | P | 11/14/2025 | 14:00 | LB137927 |
| | Cadmium | 6.05 | 6.0 | 101 | 65 - 135 | P | 11/14/2025 | 14:00 | LB137927 |
| | Calcium | 2080 | 2000 | 104 | 65 - 135 | P | 11/14/2025 | 14:00 | LB137927 |
| | Chromium | 10.9 | 10.0 | 109 | 65 - 135 | P | 11/14/2025 | 14:00 | LB137927 |
| | Cobalt | 30.7 | 30.0 | 102 | 65 - 135 | P | 11/14/2025 | 14:00 | LB137927 |
| | Copper | 22.8 | 20.0 | 114 | 65 - 135 | P | 11/14/2025 | 14:00 | LB137927 |
| | Iron | 125 | 100 | 124 | 65 - 135 | P | 11/14/2025 | 14:00 | LB137927 |
| | Lead | 11.7 | 12.0 | 98 | 65 - 135 | P | 11/14/2025 | 14:00 | LB137927 |

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# Metals

## - 2b -

## CRDL STANDARD FOR AA & ICP

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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 |
|---|---|---|---|---|---|---|---|---|---|
| CRI01 | Magnesium | 2170 | 2000 | 109 | 65 - 135 | P | 11/14/2025 | 14:00 | LB137927 |
| | Manganese | 23.0 | 20.0 | 115 | 65 - 135 | P | 11/14/2025 | 14:00 | LB137927 |
| | Nickel | 41.2 | 40.0 | 103 | 65 - 135 | P | 11/14/2025 | 14:00 | LB137927 |
| | Potassium | 1620 | 2000 | 81 | 65 - 135 | P | 11/14/2025 | 14:00 | LB137927 |
| | Selenium | 14.3 | 20.0 | 72 | 65 - 135 | P | 11/14/2025 | 14:00 | LB137927 |
| | Silver | 10.2 | 10.0 | 102 | 65 - 135 | P | 11/14/2025 | 14:00 | LB137927 |
| | Sodium | 1620 | 2000 | 81 | 65 - 135 | P | 11/14/2025 | 14:00 | LB137927 |
| | Thallium | 41.2 | 40.0 | 103 | 65 - 135 | P | 11/14/2025 | 14:00 | LB137927 |
| | Vanadium | 39.2 | 40.0 | 98 | 65 - 135 | P | 11/14/2025 | 14:00 | LB137927 |
| | Zinc | 43.8 | 40.0 | 110 | 65 - 135 | P | 11/14/2025 | 14:00 | LB137927 |

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# Metals
## - 4 -
## INTERFERENCE CHECK SAMPLE

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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 | 247000 | 255000 | 97 | 216000 | 294000 | 11/10/2025 | 12:21 | LB137841 |
| | Antimony | 1.44 | | | -50 | 50 | 11/10/2025 | 12:21 | LB137841 |
| | Arsenic | 4.11 | | | -20 | 20 | 11/10/2025 | 12:21 | LB137841 |
| | Barium | 1.49 | 6.0 | 25 | -94 | 106 | 11/10/2025 | 12:21 | LB137841 |
| | Beryllium | 1.48 | | | -6 | 6 | 11/10/2025 | 12:21 | LB137841 |
| | Cadmium | 0.069 | 1.0 | 7 | -5 | 7 | 11/10/2025 | 12:21 | LB137841 |
| | Calcium | 238000 | 245000 | 97 | 208000 | 282000 | 11/10/2025 | 12:21 | LB137841 |
| | Chromium | 49.5 | 52.0 | 95 | 42 | 62 | 11/10/2025 | 12:21 | LB137841 |
| | Cobalt | 1.52 | | | -30 | 30 | 11/10/2025 | 12:21 | LB137841 |
| | Copper | 18.7 | 2.0 | 935 | -18 | 22 | 11/10/2025 | 12:21 | LB137841 |
| | Iron | 103000 | 101000 | 102 | 85600 | 116500 | 11/10/2025 | 12:21 | LB137841 |
| | Lead | -2.05 | | | -12 | 12 | 11/10/2025 | 12:21 | LB137841 |
| | Magnesium | 249000 | 255000 | 98 | 216000 | 294000 | 11/10/2025 | 12:21 | LB137841 |
| | Manganese | 8.79 | 7.0 | 126 | -13 | 27 | 11/10/2025 | 12:21 | LB137841 |
| | Nickel | 6.36 | 2.0 | 318 | -38 | 42 | 11/10/2025 | 12:21 | LB137841 |
| | Potassium | 291 | | | 0 | 0 | 11/10/2025 | 12:21 | LB137841 |
| | Selenium | 3.23 | | | -20 | 20 | 11/10/2025 | 12:21 | LB137841 |
| | Silver | 0.36 | | | -10 | 10 | 11/10/2025 | 12:21 | LB137841 |
| | Sodium | -245 | | | 0 | 0 | 11/10/2025 | 12:21 | LB137841 |
| | Thallium | 5.19 | | | -40 | 40 | 11/10/2025 | 12:21 | LB137841 |
| | Vanadium | -3.12 | | | -40 | 40 | 11/10/2025 | 12:21 | LB137841 |
| | Zinc | 3.40 | | | -40 | 40 | 11/10/2025 | 12:21 | LB137841 |
| ICSAB01 | Aluminum | 250000 | 247000 | 101 | 209000 | 285000 | 11/10/2025 | 12:26 | LB137841 |
| | Antimony | 608 | 618 | 98 | 525 | 711 | 11/10/2025 | 12:26 | LB137841 |
| | Arsenic | 101 | 104 | 97 | 88.4 | 120 | 11/10/2025 | 12:26 | LB137841 |
| | Barium | 497 | 537 | 93 | 437 | 637 | 11/10/2025 | 12:26 | LB137841 |
| | Beryllium | 515 | 495 | 104 | 420 | 570 | 11/10/2025 | 12:26 | LB137841 |
| | Cadmium | 996 | 972 | 102 | 826 | 1120 | 11/10/2025 | 12:26 | LB137841 |
| | Calcium | 239000 | 235000 | 102 | 199000 | 271000 | 11/10/2025 | 12:26 | LB137841 |
| | Chromium | 584 | 542 | 108 | 460 | 624 | 11/10/2025 | 12:26 | LB137841 |
| | Cobalt | 505 | 476 | 106 | 404 | 548 | 11/10/2025 | 12:26 | LB137841 |
| | Copper | 501 | 511 | 98 | 434 | 588 | 11/10/2025 | 12:26 | LB137841 |
| | Iron | 103000 | 99300 | 104 | 84400 | 114500 | 11/10/2025 | 12:26 | LB137841 |
| | Lead | 49.4 | 49.0 | 101 | 37 | 61 | 11/10/2025 | 12:26 | LB137841 |
| | Magnesium | 250000 | 248000 | 101 | 210000 | 286000 | 11/10/2025 | 12:26 | LB137841 |
| | Manganese | 505 | 507 | 100 | 430 | 584 | 11/10/2025 | 12:26 | LB137841 |
| | Nickel | 1020 | 954 | 107 | 810 | 1100 | 11/10/2025 | 12:26 | LB137841 |
| | Potassium | -9.62 | | | 0 | 0 | 11/10/2025 | 12:26 | LB137841 |
| | Selenium | 51.0 | 46.0 | 111 | 26 | 66 | 11/10/2025 | 12:26 | LB137841 |
| | Silver | 204 | 201 | 102 | 170 | 232 | 11/10/2025 | 12:26 | LB137841 |
| | Sodium | -230 | | | 0 | 0 | 11/10/2025 | 12:26 | LB137841 |
| | Thallium | 98.9 | 108 | 92 | 68 | 148 | 11/10/2025 | 12:26 | LB137841 |

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# Metals
## - 4 -
## INTERFERENCE CHECK SAMPLE

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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 | 511 | 491 | 104 | 417 | 565 | 11/10/2025 | 12:26 | LB137841 |
| | Zinc | 1030 | 952 | 108 | 809 | 1095 | 11/10/2025 | 12:26 | LB137841 |
| **ICSA01** | Aluminum | 253000 | 255000 | 99 | 216000 | 294000 | 11/14/2025 | 14:07 | LB137927 |
| | Antimony | -7.58 | | | -50 | 50 | 11/14/2025 | 14:07 | LB137927 |
| | Arsenic | 3.15 | | | -20 | 20 | 11/14/2025 | 14:07 | LB137927 |
| | Barium | 6.16 | 6.0 | 103 | -94 | 106 | 11/14/2025 | 14:07 | LB137927 |
| | Beryllium | 1.09 | | | -6 | 6 | 11/14/2025 | 14:07 | LB137927 |
| | Cadmium | 0.11 | 1.0 | 11 | -5 | 7 | 11/14/2025 | 14:07 | LB137927 |
| | Calcium | 246000 | 245000 | 100 | 208000 | 282000 | 11/14/2025 | 14:07 | LB137927 |
| | Chromium | 54.4 | 52.0 | 105 | 42 | 62 | 11/14/2025 | 14:07 | LB137927 |
| | Cobalt | 1.69 | | | -30 | 30 | 11/14/2025 | 14:07 | LB137927 |
| | Copper | -0.30 | 2.0 | 15 | -18 | 22 | 11/14/2025 | 14:07 | LB137927 |
| | Iron | 103000 | 101000 | 102 | 85600 | 116500 | 11/14/2025 | 14:07 | LB137927 |
| | Lead | -0.37 | | | -12 | 12 | 11/14/2025 | 14:07 | LB137927 |
| | Magnesium | 255000 | 255000 | 100 | 216000 | 294000 | 11/14/2025 | 14:07 | LB137927 |
| | Manganese | 10.8 | 7.0 | 154 | -13 | 27 | 11/14/2025 | 14:07 | LB137927 |
| | Nickel | 5.80 | 2.0 | 290 | -38 | 42 | 11/14/2025 | 14:07 | LB137927 |
| | Potassium | -331 | | | 0 | 0 | 11/14/2025 | 14:07 | LB137927 |
| | Selenium | 5.07 | | | -20 | 20 | 11/14/2025 | 14:07 | LB137927 |
| | Silver | -6.88 | | | -10 | 10 | 11/14/2025 | 14:07 | LB137927 |
| | Sodium | -564 | | | 0 | 0 | 11/14/2025 | 14:07 | LB137927 |
| | Thallium | 18.4 | | | -40 | 40 | 11/14/2025 | 14:07 | LB137927 |
| | Vanadium | 2.27 | | | -40 | 40 | 11/14/2025 | 14:07 | LB137927 |
| | Zinc | 3.54 | | | -40 | 40 | 11/14/2025 | 14:07 | LB137927 |
| **ICSAB01** | Aluminum | 252000 | 247000 | 102 | 209000 | 285000 | 11/14/2025 | 14:11 | LB137927 |
| | Antimony | 614 | 618 | 99 | 525 | 711 | 11/14/2025 | 14:11 | LB137927 |
| | Arsenic | 116 | 104 | 112 | 88.4 | 120 | 11/14/2025 | 14:11 | LB137927 |
| | Barium | 515 | 537 | 96 | 437 | 637 | 11/14/2025 | 14:11 | LB137927 |
| | Beryllium | 526 | 495 | 106 | 420 | 570 | 11/14/2025 | 14:11 | LB137927 |
| | Cadmium | 1040 | 972 | 107 | 826 | 1120 | 11/14/2025 | 14:11 | LB137927 |
| | Calcium | 244000 | 235000 | 104 | 199000 | 271000 | 11/14/2025 | 14:11 | LB137927 |
| | Chromium | 587 | 542 | 108 | 460 | 624 | 11/14/2025 | 14:11 | LB137927 |
| | Cobalt | 524 | 476 | 110 | 404 | 548 | 11/14/2025 | 14:11 | LB137927 |
| | Copper | 502 | 511 | 98 | 434 | 588 | 11/14/2025 | 14:11 | LB137927 |
| | Iron | 105000 | 99300 | 106 | 84400 | 114500 | 11/14/2025 | 14:11 | LB137927 |
| | Lead | 54.1 | 49.0 | 110 | 37 | 61 | 11/14/2025 | 14:11 | LB137927 |
| | Magnesium | 255000 | 248000 | 103 | 210000 | 286000 | 11/14/2025 | 14:11 | LB137927 |
| | Manganese | 518 | 507 | 102 | 430 | 584 | 11/14/2025 | 14:11 | LB137927 |
| | Nickel | 1050 | 954 | 110 | 810 | 1100 | 11/14/2025 | 14:11 | LB137927 |
| | Potassium | -651 | | | 0 | 0 | 11/14/2025 | 14:11 | LB137927 |
| | Selenium | 52.4 | 46.0 | 114 | 26 | 66 | 11/14/2025 | 14:11 | LB137927 |
| | Silver | 199 | 201 | 99 | 170 | 232 | 11/14/2025 | 14:11 | LB137927 |

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Fax : 908 789 8922



# Metals
## - 4 -
## INTERFERENCE CHECK SAMPLE

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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 | Sodium | -793 | | | 0 | 0 | 11/14/2025 | 14:11 | LB137927 |
| | Thallium | 133 | 108 | 123 | 68 | 148 | 11/14/2025 | 14:11 | LB137927 |
| | Vanadium | 506 | 491 | 103 | 417 | 565 | 11/14/2025 | 14:11 | LB137927 |
| | Zinc | 1070 | 952 | 112 | 809 | 1095 | 11/14/2025 | 14:11 | LB137927 |

# METAL QC DATA

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# metals
## - 5a -
## MATRIX SPIKE SUMMARY

**client:** Remington & Vernick Engineers **level:** low **sdg no.:** Q3586

**contract:** REMI02 **lab code:** ACE

**matrix:** Solid **sample id:** Q3581-01 **client id:** VNJ-238MS

**Percent Solids for Sample:** 85.7 **Spiked ID:** Q3581-01MS **Percent Solids for Spike Sample:** 85.7

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/Kg | 75 - 125 | 13100 | | 12600 | | 100 | 502 | | P |
| Antimony | mg/Kg | 75 - 125 | 15.7 | | 1.00 | J | 40.6 | 36 | N | P |
| Arsenic | mg/Kg | 75 - 125 | 39.2 | | 7.97 | | 40.6 | 77 | | P |
| Barium | mg/Kg | 75 - 125 | 58.5 | | 54.6 | | 10.1 | 39 | | P |
| Beryllium | mg/Kg | 75 - 125 | 9.54 | | 1.56 | | 10.1 | 79 | | P |
| Cadmium | mg/Kg | 75 - 125 | 11.1 | | 0.62 | | 10.1 | 104 | | P |
| Calcium | mg/Kg | 75 - 125 | 1450 | | 1550 | | 50.7 | -181 | | P |
| Chromium | mg/Kg | 75 - 125 | 38.0 | | 20.9 | | 20.3 | 84 | | P |
| Cobalt | mg/Kg | 75 - 125 | 25.9 | | 15.7 | | 10.1 | 101 | | P |
| Copper | mg/Kg | 75 - 125 | 27.9 | | 16.8 | | 15.2 | 73 | N | P |
| Iron | mg/Kg | 75 - 125 | 29600 | | 32700 | | 150 | -2023 | | P |
| Lead | mg/Kg | 75 - 125 | 79.8 | | 31.9 | | 50.7 | 94 | | P |
| Magnesium | mg/Kg | 75 - 125 | 3660 | | 3680 | | 100 | -18 | | P |
| Manganese | mg/Kg | 75 - 125 | 315 | | 372 | | 10.1 | -565 | | P |
| Nickel | mg/Kg | 75 - 125 | 53.5 | | 27.4 | | 25.4 | 103 | | P |
| Potassium | mg/Kg | 75 - 125 | 1660 | | 1130 | | 510 | 105 | | P |
| Selenium | mg/Kg | 75 - 125 | 74.3 | | 1.10 | U | 100 | 74 | N | P |
| Silver | mg/Kg | 75 - 125 | 6.94 | | 4.28 | | 3.8 | 70 | N | P |
| Sodium | mg/Kg | 75 - 125 | 338 | | 236 | | 150 | 68 | N | P |
| Thallium | mg/Kg | 75 - 125 | 86.5 | | 2.20 | U | 100 | 86 | | P |
| Vanadium | mg/Kg | 75 - 125 | 33.8 | | 23.3 | | 15.2 | 69 | N | P |
| Zinc | mg/Kg | 75 - 125 | 105 | | 98.6 | | 10.1 | 61 | | P |

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# metals
## - 5a -
## MATRIX SPIKE DUPLICATE SUMMARY

**client:** Remington & Vernick Engineers **level:** low **sdg no.:** Q3586

**contract:** REMI02 **lab code:** ACE

**matrix:** Solid **sample id:** Q3581-01 **client id:** VNJ-238MSD

**Percent Solids for Sample:** 85.7 **Spiked ID:** Q3581-01MSD **Percent Solids for Spike Sample:** 85.7

| Analyte | Units | Acceptance Limit %R | MSD Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/Kg | 75 - 125 | 13500 | | 12600 | | 110 | 836 | | P |
| Antimony | mg/Kg | 75 - 125 | 16.7 | | 1.00 | J | 43.6 | 36 | N | P |
| Arsenic | mg/Kg | 75 - 125 | 41.7 | | 7.97 | | 43.6 | 77 | | P |
| Barium | mg/Kg | 75 - 125 | 62.7 | | 54.6 | | 10.9 | 74 | | P |
| Beryllium | mg/Kg | 75 - 125 | 10.5 | | 1.56 | | 10.9 | 82 | | P |
| Cadmium | mg/Kg | 75 - 125 | 11.8 | | 0.62 | | 10.9 | 102 | | P |
| Calcium | mg/Kg | 75 - 125 | 1530 | | 1550 | | 54.5 | -24 | | P |
| Chromium | mg/Kg | 75 - 125 | 40.3 | | 20.9 | | 21.8 | 89 | | P |
| Cobalt | mg/Kg | 75 - 125 | 26.9 | | 15.7 | | 10.9 | 103 | | P |
| Copper | mg/Kg | 75 - 125 | 42.0 | | 16.8 | | 16.4 | 154 | N | P |
| Iron | mg/Kg | 75 - 125 | 29900 | | 32700 | | 160 | -1754 | | P |
| Lead | mg/Kg | 75 - 125 | 95.2 | | 31.9 | | 54.5 | 116 | | P |
| Magnesium | mg/Kg | 75 - 125 | 3830 | | 3680 | | 110 | 140 | | P |
| Manganese | mg/Kg | 75 - 125 | 312 | | 372 | | 10.9 | -548 | | P |
| Nickel | mg/Kg | 75 - 125 | 60.1 | | 27.4 | | 27.3 | 120 | | P |
| Potassium | mg/Kg | 75 - 125 | 1680 | | 1130 | | 550 | 100 | | P |
| Selenium | mg/Kg | 75 - 125 | 80.8 | | 1.10 | U | 110 | 74 | N | P |
| Silver | mg/Kg | 75 - 125 | 7.11 | | 4.28 | | 4.1 | 69 | N | P |
| Sodium | mg/Kg | 75 - 125 | 357 | | 236 | | 160 | 76 | | P |
| Thallium | mg/Kg | 75 - 125 | 94.9 | | 2.20 | U | 110 | 86 | | P |
| Vanadium | mg/Kg | 75 - 125 | 35.2 | | 23.3 | | 16.4 | 72 | N | P |
| Zinc | mg/Kg | 75 - 125 | 169 | | 98.6 | | 10.9 | 648 | | P |

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# metals
## - 5a -
## MATRIX SPIKE SUMMARY

**client:** Remington & Vernick Engineers **level:** low **sdg no.:** Q3586

**contract:** REMI02 **lab code:** ACE

**matrix:** Solid **sample id:** Q3597-10 **client id:** TP-4MS

**Percent Solids for Sample:** 97.8 **Spiked ID:** Q3597-10MS **Percent Solids for Spike Sample:** 97.8

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | mg/Kg | 80 - 120 | 0.24 | | 0.014 | U | 0.26 | 91 | | CV |

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# metals
## - 5a -
## MATRIX SPIKE DUPLICATE SUMMARY

**client:** Remington & Vernick Engineers **level:** low **sdg no.:** Q3586

**contract:** REMI02 **lab code:** ACE

**matrix:** Solid **sample id:** Q3597-10 **client id:** TP-4MSD

**Percent Solids for Sample:** 97.8 **Spiked ID:** Q3597-10MSD **Percent Solids for Spike Sample:** 97.8

| Analyte | Units | Acceptance Limit %R | MSD Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | mg/Kg | 80 - 120 | 0.22 | | 0.014 | U | 0.27 | 82 | | CV |

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# Metals
## - 5b -
## POST DIGEST SPIKE SUMMARY

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **Lab Code:** ACE

**Matrix:** Solid **Level:** LOW **Client ID:** VNJ-238A

**Sample ID:** Q3581-01 **Spiked ID:** Q3581-01A

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | mg/Kg | 75 - 125 | 35.8 | | 1.00 | J | 44.0 | 79 | | P |
| Copper | mg/Kg | 75 - 125 | 30.3 | | 16.8 | | 16.5 | 82 | | P |
| Selenium | mg/Kg | 75 - 125 | 85.8 | | 1.10 | U | 110 | 78 | | P |
| Silver | mg/Kg | 75 - 125 | 7.46 | | 4.28 | | 4.10 | 77 | | P |
| Sodium | mg/Kg | 75 - 125 | 338 | | 236 | | 170 | 60 | N | P |
| Vanadium | mg/Kg | 75 - 125 | 35.6 | | 23.3 | | 16.5 | 74 | N | P |

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# Metals

## - 6 -
## DUPLICATE SAMPLE SUMMARY

**Client:** Remington & Vernick Engineers **Level:** LOW **SDG No.:** Q3586

**Contract:** REMI02 **Lab Code:** ACE

**Matrix:** Solid **Sample ID:** Q3581-01 **Client ID:** VNJ-238DUP

**Percent Solids for Sample:** 85.7 **Duplicate ID** Q3581-01DUP **Percent Solids for Spike Sample:** 85.7

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/Kg | 20 | 12600 | | 12300 | | 2 | | P |
| Antimony | mg/Kg | 20 | 1.00 | J | 0.86 | J | 16 | | P |
| Arsenic | mg/Kg | 20 | 7.97 | | 7.74 | | 3 | | P |
| Barium | mg/Kg | 20 | 54.6 | | 53.7 | | 2 | | P |
| Beryllium | mg/Kg | 20 | 1.56 | | 1.49 | | 5 | | P |
| Cadmium | mg/Kg | 20 | 0.62 | | 0.60 | | 4 | | P |
| Calcium | mg/Kg | 20 | 1550 | | 1520 | | 2 | | P |
| Chromium | mg/Kg | 20 | 20.9 | | 20.4 | | 2 | | P |
| Cobalt | mg/Kg | 20 | 15.7 | | 15.3 | | 3 | | P |
| Copper | mg/Kg | 20 | 16.8 | | 16.2 | | 4 | | P |
| Iron | mg/Kg | 20 | 32700 | | 32100 | | 2 | | P |
| Lead | mg/Kg | 20 | 31.9 | | 31.2 | | 2 | | P |
| Magnesium | mg/Kg | 20 | 3680 | | 3600 | | 2 | | P |
| Manganese | mg/Kg | 20 | 372 | | 364 | | 2 | | P |
| Nickel | mg/Kg | 20 | 27.4 | | 26.7 | | 3 | | P |
| Potassium | mg/Kg | 20 | 1130 | | 1100 | | 3 | | P |
| Selenium | mg/Kg | 20 | 1.10 | U | 1.09 | U | | | P |
| Silver | mg/Kg | 20 | 4.28 | | 4.38 | | 2 | | P |
| Sodium | mg/Kg | 20 | 236 | | 219 | | 7 | | P |
| Thallium | mg/Kg | 20 | 2.20 | U | 2.18 | U | | | P |
| Vanadium | mg/Kg | 20 | 23.3 | | 22.6 | | 3 | | P |
| Zinc | mg/Kg | 20 | 98.6 | | 95.5 | | 3 | | P |

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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# Metals

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## DUPLICATE SAMPLE SUMMARY

**Client:** Remington & Vernick Engineers **Level:** LOW **SDG No.:** Q3586

**Contract:** REMI02 **Lab Code:** ACE

**Matrix:** Solid **Sample ID:** Q3581-01MS **Client ID:** VNJ-238MSD

**Percent Solids for Sample:** 85.7 **Duplicate ID** Q3581-01MSD **Percent Solids for Spike Sample:** 85.7

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/Kg | 20 | 13100 | | 13500 | | 3 | | P |
| Antimony | mg/Kg | 20 | 15.7 | | 16.7 | | 6 | | P |
| Arsenic | mg/Kg | 20 | 39.2 | | 41.7 | | 6 | | P |
| Barium | mg/Kg | 20 | 58.5 | | 62.7 | | 7 | | P |
| Beryllium | mg/Kg | 20 | 9.54 | | 10.5 | | 10 | | P |
| Cadmium | mg/Kg | 20 | 11.1 | | 11.8 | | 6 | | P |
| Calcium | mg/Kg | 20 | 1450 | | 1530 | | 5 | | P |
| Chromium | mg/Kg | 20 | 38.0 | | 40.3 | | 6 | | P |
| Cobalt | mg/Kg | 20 | 25.9 | | 26.9 | | 4 | | P |
| Copper | mg/Kg | 20 | 27.9 | | 42.0 | | 40 | * | P |
| Iron | mg/Kg | 20 | 29600 | | 29900 | | 1 | | P |
| Lead | mg/Kg | 20 | 79.8 | | 95.2 | | 18 | | P |
| Magnesium | mg/Kg | 20 | 3660 | | 3830 | | 5 | | P |
| Manganese | mg/Kg | 20 | 315 | | 312 | | 1 | | P |
| Nickel | mg/Kg | 20 | 53.5 | | 60.1 | | 12 | | P |
| Potassium | mg/Kg | 20 | 1660 | | 1680 | | 1 | | P |
| Selenium | mg/Kg | 20 | 74.3 | | 80.8 | | 8 | | P |
| Silver | mg/Kg | 20 | 6.94 | | 7.11 | | 2 | | P |
| Sodium | mg/Kg | 20 | 338 | | 357 | | 5 | | P |
| Thallium | mg/Kg | 20 | 86.5 | | 94.9 | | 9 | | P |
| Vanadium | mg/Kg | 20 | 33.8 | | 35.2 | | 4 | | P |
| Zinc | mg/Kg | 20 | 105 | | 169 | | 47 | * | P |

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Fax : 908 789 8922



# Metals

## - 6 -
## DUPLICATE SAMPLE SUMMARY

**Client:** Remington & Vernick Engineers **Level:** LOW **SDG No.:** Q3586

**Contract:** REMI02 **Lab Code:** ACE

**Matrix:** Solid **Sample ID:** Q3597-10 **Client ID:** TP-4DUP

**Percent Solids for Sample:** 97.8 **Duplicate ID** Q3597-10DUP **Percent Solids for Spike Sample:** 97.8

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | mg/Kg | 20 | 0.014 | U | 0.014 | 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:** Remington & Vernick Engineers **Level:** LOW **SDG No.:** Q3586

**Contract:** REMI02 **Lab Code:** ACE

**Matrix:** Solid **Sample ID:** Q3597-10MS **Client ID:** TP-4MSD

**Percent Solids for Sample:** 97.8 **Duplicate ID** Q3597-10MSD **Percent Solids for Spike Sample:** 97.8

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | mg/Kg | 20 | 0.24 | | 0.22 | | 7 | | 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:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **Lab Code:** ACE

| Analyte | Units | True Value | Result | C | % Recovery | Acceptance Limits | M |
|---|---|---|---|---|---|---|---|
| PB170471BS | | | | | | | |
| Aluminum | mg/Kg | 100 | 100 | | 100 | 80 - 120 | P |
| Antimony | mg/Kg | 40.0 | 40.1 | | 100 | 80 - 120 | P |
| Arsenic | mg/Kg | 40.0 | 38.4 | | 96 | 80 - 120 | P |
| Barium | mg/Kg | 10.0 | 9.73 | | 97 | 80 - 120 | P |
| Beryllium | mg/Kg | 10.0 | 10.3 | | 103 | 80 - 120 | P |
| Cadmium | mg/Kg | 10.0 | 9.50 | | 95 | 80 - 120 | P |
| Calcium | mg/Kg | 50.0 | 53.5 | J | 107 | 80 - 120 | P |
| Chromium | mg/Kg | 20.0 | 20.1 | | 100 | 80 - 120 | P |
| Cobalt | mg/Kg | 10.0 | 9.76 | | 98 | 80 - 120 | P |
| Copper | mg/Kg | 15.0 | 15.3 | | 102 | 80 - 120 | P |
| Iron | mg/Kg | 150 | 154 | | 103 | 80 - 120 | P |
| Lead | mg/Kg | 50.0 | 46.8 | | 94 | 80 - 120 | P |
| Magnesium | mg/Kg | 100 | 98.4 | J | 98 | 80 - 120 | P |
| Manganese | mg/Kg | 10.0 | 10.4 | | 104 | 80 - 120 | P |
| Nickel | mg/Kg | 25.0 | 24.5 | | 98 | 80 - 120 | P |
| Potassium | mg/Kg | 500 | 530 | | 106 | 80 - 120 | P |
| Selenium | mg/Kg | 100 | 97.7 | | 98 | 80 - 120 | P |
| Silver | mg/Kg | 3.8 | 3.88 | | 102 | 80 - 120 | P |
| Sodium | mg/Kg | 150 | 168 | | 112 | 80 - 120 | P |
| Thallium | mg/Kg | 100 | 91.8 | | 92 | 80 - 120 | P |
| Vanadium | mg/Kg | 15.0 | 15.5 | | 103 | 80 - 120 | P |
| Zinc | mg/Kg | 10.0 | 10.3 | | 104 | 80 - 120 | P |

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## Metals



### LABORATORY CONTROL SAMPLE SUMMARY

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **Lab Code:** ACE

| Analyte | Units | True Value | Result | C | % Recovery | Acceptance Limits | M |
|---|---|---|---|---|---|---|---|
| PB170491BS | | | | | | | |
| Mercury | mg/Kg | 0.28 | 0.30 | | 106 | 80 - 120 | CV |

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# Metals

## -9 -

## ICP SERIAL DILUTIONS

SAMPLE NO.

VNJ-238L

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **Lb No.:** lb137841 **Lab Sample ID :** Q3581-01L **SDG No.:** Q3586

**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 | 12600 | | 14500 | | 15 | | P |
| Antimony | 1.00 | J | 13.8 | U | 100.0 | | P |
| Arsenic | 7.97 | | 8.88 | | 11 | | P |
| Barium | 54.6 | | 61.7 | | 13 | | P |
| Beryllium | 1.56 | | 1.83 | | 17 | | P |
| Cadmium | 0.62 | | 1.65 | U | 100.0 | | P |
| Calcium | 1550 | | 1790 | | 16 | | P |
| Chromium | 20.9 | | 24.5 | | 17 | | P |
| Cobalt | 15.7 | | 14.5 | | 8 | | P |
| Copper | 16.8 | | 20.8 | | 24 | | P |
| Iron | 32700 | | 37500 | | 15 | | P |
| Lead | 31.9 | | 29.8 | | 7 | | P |
| Magnesium | 3680 | | 4290 | | 17 | | P |
| Manganese | 372 | | 434 | | 17 | | P |
| Nickel | 27.4 | | 25.7 | | 6 | | P |
| Potassium | 1130 | | 1050 | | 7 | | P |
| Selenium | 1.10 | U | 1.80 | J | 100.0 | | P |
| Silver | 4.28 | | 4.93 | | 15 | | P |
| Sodium | 236 | | 550 | U | 100.0 | | P |
| Thallium | 2.20 | U | 11.0 | U | | | P |
| Vanadium | 23.3 | | 24.8 | | 6 | | P |
| Zinc | 98.6 | | 117 | | 18 | | P |

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# Metals

## -9 -

## ICP SERIAL DILUTIONS

SAMPLE NO.

TP-4L

**Lab Name:** Alliance **Contract:** REMI02

**Lab Code:** ACE **Lb No.:** lb137851 **Lab Sample ID :** Q3597-10L **SDG No.:** Q3586

**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 | 0.014 | U | 0.068 | U | | | CV |

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**metals**
**- 14 -**
**ANALYSIS RUN LOG**

**Client:** Remington & Vernick Engineers **Contract:** REMI02

**Lab code:** ACE **Sdg no.:** Q3586

**Instrument id number:** **Method:** **Run number:** LB137841

**Start date:** 11/10/2025 **End date:** 11/10/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| S0 | S0 | 1 | 1120 | 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 | 1124 | 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 | 1128 | 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 | 1132 | 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 | 1137 | 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 | 1141 | 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 | 1145 | 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 | 1157 | 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 | 1211 | 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 | 1216 | 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 | 1221 | 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 | 1226 | 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 | 1238 | 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 | 1242 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV02 | CCV02 | 1 | 1328 | 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 | 1354 | 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 | 1446 | 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 | 1450 | 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 | 1544 | 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 | 1547 | 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 | 1635 | 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 | 1638 | 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 | 1727 | 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 | 1731 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q3586-01 | SED-1 | 1 | 1906 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q3586-02 | SED-2 | 1 | 1910 | 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 | 1914 | 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 | 1918 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q3586-03 | SED-3 | 1 | 1922 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q3581-01DUP | VNJ-238DUP | 1 | 1942 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q3581-01L | VNJ-238L | 5 | 1946 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q3581-01MS | VNJ-238MS | 1 | 1950 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q3581-01MSD | VNJ-238MSD | 1 | 1954 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q3581-01A | VNJ-238A | 1 | 1958 | Ag,Cu,Na,Sb,Se,V |
| CCV08 | CCV08 | 1 | 2011 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB08 | CCB08 | 1 | 2026 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV09 | CCV09 | 1 | 2131 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB09 | CCB09 | 1 | 2141 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV10 | CCV10 | 1 | 2229 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB10 | CCB10 | 1 | 2247 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV11 | CCV11 | 1 | 2330 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |

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**metals**
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**ANALYSIS RUN LOG**

**Client:** Remington & Vernick Engineers **Contract:** REMI02

**Lab code:** ACE **Sdg no.:** Q3586

**Instrument id number:** **Method:** **Run number:** LB137841

**Start date:** 11/10/2025 **End date:** 11/10/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| CCB11 | CCB11 | 1 | 2334 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |

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**metals**
**- 14 -**
**ANALYSIS RUN LOG**

**Client:** Remington & Vernick Engineers **Contract:** REMI02

**Lab code:** ACE **Sdg no.:** Q3586

**Instrument id number:** **Method:** **Run number:** LB137851

**Start date:** 11/11/2025 **End date:** 11/11/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| S0 | S0 | 1 | 1407 | HG |
| S0.2 | S0.2 | 1 | 1409 | HG |
| S2.5 | S2.5 | 1 | 1411 | HG |
| S5 | S5 | 1 | 1414 | HG |
| S7.5 | S7.5 | 1 | 1416 | HG |
| S10 | S10 | 1 | 1418 | HG |
| ICV109 | ICV109 | 1 | 1421 | HG |
| ICB109 | ICB109 | 1 | 1424 | HG |
| CCV56 | CCV56 | 1 | 1426 | HG |
| CCB56 | CCB56 | 1 | 1428 | HG |
| CRA | CRA | 1 | 1433 | HG |
| PB170491BL | PB170491BL | 1 | 1440 | HG |
| PB170491BS | PB170491BS | 1 | 1448 | HG |
| CCV57 | CCV57 | 1 | 1501 | HG |
| CCB57 | CCB57 | 1 | 1504 | HG |
| Q3586-01 | SED-1 | 1 | 1509 | HG |
| Q3586-02 | SED-2 | 1 | 1511 | HG |
| Q3586-03 | SED-3 | 1 | 1513 | HG |
| CCV58 | CCV58 | 1 | 1530 | HG |
| CCB58 | CCB58 | 1 | 1532 | HG |
| Q3597-10DUP | TP-4DUP | 1 | 1537 | HG |
| Q3597-10MS | TP-4MS | 1 | 1539 | HG |
| Q3597-10MSD | TP-4MSD | 1 | 1541 | HG |
| CCV59 | CCV59 | 1 | 1558 | HG |
| CCB59 | CCB59 | 1 | 1600 | HG |
| Q3597-10L | TP-4L | 5 | 1623 | HG |
| CCV60 | CCV60 | 1 | 1630 | HG |
| CCB60 | CCB60 | 1 | 1633 | HG |
| CCV61 | CCV61 | 1 | 1640 | HG |
| CCB61 | CCB61 | 1 | 1642 | HG |

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**metals**
**- 14 -**
**ANALYSIS RUN LOG**

**Client:** Remington & Vernick Engineers **Contract:** REMI02

**Lab code:** ACE **Sdg no.:** Q3586

**Instrument id number:** **Method:** **Run number:** LB137927

**Start date:** 11/14/2025 **End date:** 11/14/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| S0 | S0 | 1 | 1251 | 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 | 1255 | 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 | 1300 | 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 | 1304 | 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 | 1308 | 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 | 1312 | 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 | 1337 | 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 | 1345 | 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 | 1400 | 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 | 1407 | 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 | 1411 | 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 | 1424 | 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 | 1433 | 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 | 1437 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB170471BL | PB170471BL | 1 | 1500 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB170471BS | PB170471BS | 1 | 1505 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV02 | CCV02 | 1 | 1537 | 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 | 1540 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |

# METAL PREPARATION & INSTRUMENT DATA

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# Metals
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## ICP INTERELEMENT CORRECTION FACTORS

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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 |

Alliance TECHNICAL GROUP
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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q3586 | **OrderDate:** | 11/7/2025 3:20:00 PM |
| **Client:** | Remington & Vernick Engineers | **Project:** | Edison Landfill |
| **Contact:** | Kyle Carlson | **Location:** | D31 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q3586-01** | **SED-1** | **SOIL** | | | **11/06/25** | | | **11/07/25** |
| | | | Mercury | 7471B | | 11/11/25 | 11/11/25 | |
| | | | Metals ICP-TAL | 6010D | | 11/10/25 | 11/10/25 | |
| **Q3586-02** | **SED-2** | **SOIL** | | | **11/06/25** | | | **11/07/25** |
| | | | Mercury | 7471B | | 11/11/25 | 11/11/25 | |
| | | | Metals ICP-TAL | 6010D | | 11/10/25 | 11/10/25 | |
| **Q3586-03** | **SED-3** | **SOIL** | | | **11/06/25** | | | **11/07/25** |
| | | | Mercury | 7471B | | 11/11/25 | 11/11/25 | |
| | | | Metals ICP-TAL | 6010D | | 11/10/25 | 11/10/25 | |

# METAL PREPARATION & ANALYICAL SUMMARY

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# Metals
## - 13 -
## SAMPLE PREPARATION SUMMARY

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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:** | **PB170471** | | | | | | |
| PB170471BL | PB170471BL | MB | SOLID | 11/10/2025 | 2.00 | 100.0 | 100.00 |
| PB170471BS | PB170471BS | LCS | SOLID | 11/10/2025 | 2.00 | 100.0 | 100.00 |
| Q3581-01DUP | VNJ-238DUP | DUP | SOLID | 11/10/2025 | 2.14 | 100.0 | 85.70 |
| Q3581-01MS | VNJ-238MS | MS | SOLID | 11/10/2025 | 2.30 | 100.0 | 85.70 |
| Q3581-01MSD | VNJ-238MSD | MSD | SOLID | 11/10/2025 | 2.14 | 100.0 | 85.70 |
| Q3586-01 | SED-1 | SAM | SOLID | 11/10/2025 | 2.22 | 100.0 | 62.90 |
| Q3586-02 | SED-2 | SAM | SOLID | 11/10/2025 | 2.26 | 100.0 | 41.40 |
| Q3586-03 | SED-3 | SAM | SOLID | 11/10/2025 | 2.12 | 100.0 | 50.90 |

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# Metals
## - 13 -
## SAMPLE PREPARATION SUMMARY

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Contract:** REMI02 **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:** | **PB170491** | | | | | | |
| PB170491BL | PB170491BL | MB | SOLID | 11/11/2025 | 0.50 | 35.0 | 100.00 |
| PB170491BS | PB170491BS | LCS | SOLID | 11/11/2025 | 0.50 | 35.0 | 100.00 |
| Q3586-01 | SED-1 | SAM | SOLID | 11/11/2025 | 0.60 | 35.0 | 62.90 |
| Q3586-02 | SED-2 | SAM | SOLID | 11/11/2025 | 0.51 | 35.0 | 41.40 |
| Q3586-03 | SED-3 | SAM | SOLID | 11/11/2025 | 0.54 | 35.0 | 50.90 |
| Q3597-10DUP | TP-4DUP | DUP | SOLID | 11/11/2025 | 0.53 | 35.0 | 97.80 |
| Q3597-10MS | TP-4MS | MS | SOLID | 11/11/2025 | 0.55 | 35.0 | 97.80 |
| Q3597-10MSD | TP-4MSD | MSD | SOLID | 11/11/2025 | 0.53 | 35.0 | 97.80 |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137841

| | | | |
|---|---|---|---|
| Review By | mohan | Review On | 11/11/2025 11:36:43 AM |
| Supervise By | jaswal | Supervise On | 12/12/2025 10:25:25 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP87637,MP87643,MP87641,MP87640,MP87639,MP87638 |
| ICV Standard | MP87644,MP87643 |
| CCV Standard | MP87647 |
| ICSA Standard | MP87645,MP87646 |
| CRI Standard | MP87643 |
| LCS Standard | |
| Chk Standard | MP87668,MP87648,MP87651,MP87649,MP87650 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | S0 | S0 | CAL1 | 11/10/25 11:20 | | Jaswal | OK |
| 2 | S1 | S1 | CAL2 | 11/10/25 11:24 | | Jaswal | OK |
| 3 | S2 | S2 | CAL3 | 11/10/25 11:28 | | Jaswal | OK |
| 4 | S3 | S3 | CAL4 | 11/10/25 11:32 | | Jaswal | OK |
| 5 | S4 | S4 | CAL5 | 11/10/25 11:37 | | Jaswal | OK |
| 6 | S5 | S5 | CAL6 | 11/10/25 11:41 | | Jaswal | OK |
| 7 | ICV01 | ICV01 | ICV | 11/10/25 11:45 | | Jaswal | OK |
| 8 | LLICV01 | LLICV01 | LLICV | 11/10/25 11:57 | | Jaswal | OK |
| 9 | ICB01 | ICB01 | ICB | 11/10/25 12:11 | | Jaswal | OK |
| 10 | CRI01 | CRI01 | CRDL | 11/10/25 12:16 | | Jaswal | OK |
| 11 | ICSA01 | ICSA01 | ICSA | 11/10/25 12:21 | | Jaswal | OK |
| 12 | ICSAB01 | ICSAB01 | ICSAB | 11/10/25 12:26 | | Jaswal | OK |
| 13 | ICSADL | ICSADL | ICSA | 11/10/25 12:30 | | Jaswal | OK |
| 14 | ICSABDL | ICSABDL | ICSAB | 11/10/25 12:34 | | Jaswal | OK |
| 15 | CCV01 | CCV01 | CCV | 11/10/25 12:38 | | Jaswal | OK |
| 16 | CCB01 | CCB01 | CCB | 11/10/25 12:42 | | Jaswal | OK |
| 17 | Q3504-01 | 72-11986 | SAM | 11/10/25 12:47 | | Jaswal | OK |
| 18 | Q3562-01 | EO-03-110625 | SAM | 11/10/25 12:51 | MS/MSD fail for more than 50% parameters | Jaswal | OK |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137841

| | | | |
|---|---|---|---|
| Review By | mohan | Review On | 11/11/2025 11:36:43 AM |
| Supervise By | jaswal | Supervise On | 11/12/2025 10:25:25 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP87637,MP87643,MP87641,MP87640,MP87639,MP87638 |
| ICV Standard | MP87644,MP87643 |
| CCV Standard | MP87647 |
| ICSA Standard | MP87645,MP87646 |
| CRI Standard | MP87643 |
| LCS Standard | |
| Chk Standard | MP87668,MP87648,MP87651,MP87649,MP87650 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q3564-01 | OR-03-11062025 | SAM | 11/10/25 12:55 | | Jaswal | OK |
| 20 | Q3577-01 | WC-1A | SAM | 11/10/25 13:00 | | Jaswal | OK |
| 21 | Q3580-01 | 346 | SAM | 11/10/25 13:04 | | Jaswal | OK |
| 22 | Q3562-01DUP | EO-03-110625DUP | DUP | 11/10/25 13:08 | MS/MSD fail for more than 50% parameters | Jaswal | OK |
| 23 | Q3562-01L | EO-03-110625L | SD | 11/10/25 13:12 | MS/MSD fail for more than 50% parameters | Jaswal | OK |
| 24 | Q3562-01MS | EO-03-110625MS | MS | 11/10/25 13:16 | MS/MSD fail for more than 50% parameters | Jaswal | OK |
| 25 | Q3562-01MSD | EO-03-110625MSD | MSD | 11/10/25 13:20 | MS/MSD fail for more than 50% parameters | Jaswal | OK |
| 26 | Q3562-01A | EO-03-110625A | PS | 11/10/25 13:24 | MS/MSD fail for more than 50% parameters | Jaswal | OK |
| 27 | CCV02 | CCV02 | CCV | 11/10/25 13:28 | | Jaswal | OK |
| 28 | CCB02 | CCB02 | CCB | 11/10/25 13:54 | | Jaswal | OK |
| 29 | PB170412BL | PB170412BL | MB | 11/10/25 13:58 | | Jaswal | OK |
| 30 | PB170412BS | PB170412BS | LCS | 11/10/25 14:03 | | Jaswal | OK |
| 31 | Q3547-02 | Comp | SAM | 11/10/25 14:07 | | Jaswal | OK |
| 32 | Q3547-02DUP | CompDUP | DUP | 11/10/25 14:17 | | Jaswal | OK |
| 33 | Q3547-02L | CompL | SD | 11/10/25 14:21 | | Jaswal | OK |
| 34 | Q3547-02MS | CompMS | MS | 11/10/25 14:26 | | Jaswal | OK |
| 35 | Q3547-02MSD | CompMSD | MSD | 11/10/25 14:30 | | Jaswal | OK |
| 36 | Q3547-02A | CompA | PS | 11/10/25 14:34 | 0.1ml m6008,m6017-10ml sample | Jaswal | OK |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137841

| | | | |
|---|---|---|---|
| Review By | mohan | Review On | 11/11/2025 11:36:43 AM |
| Supervise By | jaswal | Supervise On | 11/12/2025 10:25:25 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP87637,MP87643,MP87641,MP87640,MP87639,MP87638 |
| ICV Standard | MP87644,MP87643 |
| CCV Standard | MP87647 |
| ICSA Standard | MP87645,MP87646 |
| CRI Standard | MP87643 |
| LCS Standard | |
| Chk Standard | MP87668,MP87648,MP87651,MP87649,MP87650 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 37 | Q3551-01 | MANHOLE | SAM | 11/10/25 14:38 | | Jaswal | OK |
| 38 | Q3552-04DL | MW-10DL | SAM | 11/10/25 14:42 | 10x for Na | Jaswal | Confirms |
| 39 | CCV03 | CCV03 | CCV | 11/10/25 14:46 | | Jaswal | OK |
| 40 | CCB03 | CCB03 | CCB | 11/10/25 14:50 | | Jaswal | OK |
| 41 | Q3552-04DUPDL | MW-10DUPDL | DUP | 11/10/25 14:55 | 10x for Na | Jaswal | Confirms |
| 42 | Q3552-04LDL | MW-10LDL | SD | 11/10/25 14:59 | NOT REQUIRED | Jaswal | Not Ok |
| 43 | Q3552-04MSDL | MW-10MSDL | MS | 11/10/25 15:03 | 10x for Na | Jaswal | Confirms |
| 44 | Q3552-04MSDDL | MW-10MSDDL | MSD | 11/10/25 15:08 | 10x for Na | Jaswal | Confirms |
| 45 | Q3552-04ADL | MW-10ADL | PS | 11/10/25 15:12 | NOT REQUIRED | Jaswal | Not Ok |
| 46 | PB170434BL | PB170434BL | MB | 11/10/25 15:22 | | Jaswal | OK |
| 47 | PB170434BS | PB170434BS | LCS | 11/10/25 15:27 | | Jaswal | OK |
| 48 | Q3560-01 | SY-10D | SAM | 11/10/25 15:31 | | Jaswal | OK |
| 49 | Q3560-02 | SY-10D | SAM | 11/10/25 15:35 | | Jaswal | OK |
| 50 | Q3560-03 | SY-10S | SAM | 11/10/25 15:39 | | Jaswal | OK |
| 51 | CCV04 | CCV04 | CCV | 11/10/25 15:44 | | Jaswal | OK |
| 52 | CCB04 | CCB04 | CCB | 11/10/25 15:47 | | Jaswal | OK |
| 53 | Q3560-04 | SY-10S | SAM | 11/10/25 15:52 | | Jaswal | OK |
| 54 | Q3560-05 | SY-10I | SAM | 11/10/25 15:56 | | Jaswal | OK |
| 55 | Q3560-06 | SY-10I | SAM | 11/10/25 16:00 | | Jaswal | OK |
| 56 | Q3560-07 | SY-12I | SAM | 11/10/25 16:05 | | Jaswal | OK |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137841

| | | | |
|---|---|---|---|
| Review By | mohan | Review On | 11/11/2025 11:36:43 AM |
| Supervise By | jaswal | Supervise On | 11/12/2025 10:25:25 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP87637,MP87643,MP87641,MP87640,MP87639,MP87638 |
| ICV Standard | MP87644,MP87643 |
| CCV Standard | MP87647 |
| ICSA Standard | MP87645,MP87646 |
| CRI Standard | MP87643 |
| LCS Standard | |
| Chk Standard | MP87668,MP87648,MP87651,MP87649,MP87650 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 57 | Q3560-08 | SY-12I | SAM | 11/10/25 16:09 | | Jaswal | OK |
| 58 | Q3560-09 | SY-12D | SAM | 11/10/25 16:13 | | Jaswal | OK |
| 59 | Q3560-10 | SY-12D | SAM | 11/10/25 16:17 | | Jaswal | OK |
| 60 | Q3566-01 | WATER-TREATMENT | SAM | 11/10/25 16:22 | | Jaswal | OK |
| 61 | Q3566-01DUP | WATER-TREATMENT | DUP | 11/10/25 16:26 | | Jaswal | OK |
| 62 | Q3566-01L | WATER-TREATMENT | SD | 11/10/25 16:30 | | Jaswal | OK |
| 63 | CCV05 | CCV05 | CCV | 11/10/25 16:35 | | Jaswal | OK |
| 64 | CCB05 | CCB05 | CCB | 11/10/25 16:38 | | Jaswal | OK |
| 65 | Q3566-01MS | WATER-TREATMENT | MS | 11/10/25 16:43 | | Jaswal | OK |
| 66 | Q3566-01MSD | WATER-TREATMENT | MSD | 11/10/25 16:47 | | Jaswal | OK |
| 67 | Q3566-01A | WATER-TREATMENT | PS | 11/10/25 16:51 | 0.1ml m6008,m6017-10ml sample | Jaswal | OK |
| 68 | Q3569-01 | MW-2 | SAM | 11/10/25 16:55 | | Jaswal | OK |
| 69 | Q3569-02 | MW-12 | SAM | 11/10/25 16:59 | | Jaswal | OK |
| 70 | PB170461BL | PB170461BL | MB | 11/10/25 17:04 | | Jaswal | OK |
| 71 | PB170461BS | PB170461BS | LCS | 11/10/25 17:08 | | Jaswal | OK |
| 72 | Q3575-02 | 002 35th Ave (Nov) | SAM | 11/10/25 17:14 | | Jaswal | OK |
| 73 | Q3575-02DUP | 002 35th Ave (Nov)DU | DUP | 11/10/25 17:18 | | Jaswal | OK |
| 74 | Q3575-02L | 002 35th Ave (Nov)L | SD | 11/10/25 17:23 | | Jaswal | OK |
| 75 | CCV06 | CCV06 | CCV | 11/10/25 17:27 | | Jaswal | OK |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137841

| | | | |
|---|---|---|---|
| Review By | mohan | Review On | 11/11/2025 11:36:43 AM |
| Supervise By | jaswal | Supervise On | 11/12/2025 10:25:25 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP87637,MP87643,MP87641,MP87640,MP87639,MP87638 |
| ICV Standard | MP87644,MP87643 |
| CCV Standard | MP87647 |
| ICSA Standard | MP87645,MP87646 |
| CRI Standard | MP87643 |
| LCS Standard | |
| Chk Standard | MP87668,MP87648,MP87651,MP87649,MP87650 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 76 | CCB06 | CCB06 | CCB | 11/10/25 17:31 | | Jaswal | OK |
| 77 | LR-1 | LR-1 | HIGH STD | 11/10/25 18:18 | | Jaswal | OK |
| 78 | LR-2 | LR-2 | HIGH STD | 11/10/25 18:22 | | Jaswal | OK |
| 79 | Q3575-02MS | 002 35th Ave (Nov)MS | MS | 11/10/25 18:31 | | Jaswal | OK |
| 80 | Q3575-02MSD | 002 35th Ave (Nov)MS | MSD | 11/10/25 18:35 | | Jaswal | OK |
| 81 | Q3575-02A | 002 35th Ave (Nov)A | PS | 11/10/25 18:39 | 0.1ml m6008,m6017-10ml sample | Jaswal | OK |
| 82 | LR-3 | LR-3 | HIGH STD | 11/10/25 18:53 | | Jaswal | OK |
| 83 | Q3575-01 | 001 Willets Pt Blvd (N | SAM | 11/10/25 18:57 | | Jaswal | OK |
| 84 | Q3531-01 | FALL-2025 | SAM | 11/10/25 19:02 | | Jaswal | OK |
| 85 | Q3586-01 | SED-1 | SAM | 11/10/25 19:06 | | Jaswal | OK |
| 86 | Q3586-02 | SED-2 | SAM | 11/10/25 19:10 | | Jaswal | OK |
| 87 | CCV07 | CCV07 | CCV | 11/10/25 19:14 | | Jaswal | OK |
| 88 | CCB07 | CCB07 | CCB | 11/10/25 19:18 | | Jaswal | OK |
| 89 | Q3586-03 | SED-3 | SAM | 11/10/25 19:22 | | Jaswal | OK |
| 90 | Q3587-01 | NB-08-110725 | SAM | 11/10/25 19:26 | | Jaswal | OK |
| 91 | Q3588-01 | TR-06-11072025 | SAM | 11/10/25 19:30 | | Jaswal | OK |
| 92 | Q3588-03 | TR-01-11072025 | SAM | 11/10/25 19:34 | | Jaswal | OK |
| 93 | Q3581-01 | VNJ-238 | SAM | 11/10/25 19:38 | | Jaswal | OK |
| 94 | Q3581-01DUP | VNJ-238DUP | DUP | 11/10/25 19:42 | | Jaswal | OK |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137841

| | | | |
|---|---|---|---|
| Review By | mohan | Review On | 11/11/2025 11:36:43 AM |
| Supervise By | jaswal | Supervise On | 11/12/2025 10:25:25 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP87637,MP87643,MP87641,MP87640,MP87639,MP87638 |
| ICV Standard | MP87644,MP87643 |
| CCV Standard | MP87647 |
| ICSA Standard | MP87645,MP87646 |
| CRI Standard | MP87643 |
| LCS Standard | |
| Chk Standard | MP87668,MP87648,MP87651,MP87649,MP87650 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 95 | Q3581-01L | VNJ-238L | SD | 11/10/25 19:46 | | Jaswal | OK |
| 96 | Q3581-01MS | VNJ-238MS | MS | 11/10/25 19:50 | | Jaswal | OK |
| 97 | Q3581-01MSD | VNJ-238MSD | MSD | 11/10/25 19:54 | | Jaswal | OK |
| 98 | Q3581-01A | VNJ-238A | PS | 11/10/25 19:58 | 0.1ml m6008,m6017-10ml sample | Jaswal | OK |
| 99 | CCV08 | CCV08 | CCV | 11/10/25 20:11 | | Jaswal | OK |
| 100 | CCB08 | CCB08 | CCB | 11/10/25 20:26 | | Jaswal | OK |
| 101 | Q3581-03 | VNJ-245 | SAM | 11/10/25 20:30 | Mn high | Jaswal | Dilution |
| 102 | Q3581-05 | VNJ-240 | SAM | 11/10/25 20:34 | | Jaswal | OK |
| 103 | Q3581-07 | RBR200059 | SAM | 11/10/25 20:38 | | Jaswal | OK |
| 104 | Q3582-04 | RT4912 | SAM | 11/10/25 20:42 | | Jaswal | OK |
| 105 | Q3583-04 | CHRT27080 | SAM | 11/10/25 20:46 | | Jaswal | OK |
| 106 | Q3581-03DL | VNJ-245DL | SAM | 11/10/25 20:50 | 10x for Mn | Jaswal | Confirms |
| 107 | Q3584-01 | SW-1 | SAM | 11/10/25 21:15 | | Jaswal | OK |
| 108 | Q3584-02 | SW-2 | SAM | 11/10/25 21:20 | Na high | Jaswal | Dilution |
| 109 | CCV09 | CCV09 | CCV | 11/10/25 21:31 | | Jaswal | OK |
| 110 | CCB09 | CCB09 | CCB | 11/10/25 21:41 | | Jaswal | OK |
| 111 | Q3584-03 | SW-3 | SAM | 11/10/25 21:46 | Na high | Jaswal | Dilution |
| 112 | Q3584-03DUP | SW-3DUP | DUP | 11/10/25 21:50 | Na high | Jaswal | Dilution |
| 113 | Q3584-03L | SW-3L | SD | 11/10/25 21:55 | | Jaswal | OK |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137841

| | | | |
|---|---|---|---|
| Review By | mohan | Review On | 11/11/2025 11:36:43 AM |
| Supervise By | jaswal | Supervise On | 11/12/2025 10:25:25 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP87637,MP87643,MP87641,MP87640,MP87639,MP87638 |
| ICV Standard | MP87644,MP87643 |
| CCV Standard | MP87647 |
| ICSA Standard | MP87645,MP87646 |
| CRI Standard | MP87643 |
| LCS Standard | |
| Chk Standard | MP87668,MP87648,MP87651,MP87649,MP87650 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 114 | Q3584-03MS | SW-3MS | MS | 11/10/25 21:59 | Na high | Jaswal | Dilution |
| 115 | Q3584-03MSD | SW-3MSD | MSD | 11/10/25 22:03 | Na high | Jaswal | Dilution |
| 116 | Q3584-03A | SW-3A | PS | 11/10/25 22:08 | 0.1ml m6008,m6017-10ml sample | Jaswal | OK |
| 117 | Q3584-04 | EB-2 | SAM | 11/10/25 22:12 | | Jaswal | OK |
| 118 | Q3584-05 | FB-2 | SAM | 11/10/25 22:16 | | Jaswal | OK |
| 119 | Q3584-07DL | SEEP-1DL | SAM | 11/10/25 22:20 | Straight 10x Dilution | Jaswal | OK |
| 120 | Q3574-01 | 304641-01 Liquid | SAM | 11/10/25 22:24 | | Jaswal | OK |
| 121 | CCV10 | CCV10 | CCV | 11/10/25 22:29 | | Jaswal | OK |
| 122 | CCB10 | CCB10 | CCB | 11/10/25 22:47 | | Jaswal | OK |
| 123 | Q3584-02DL | SW-2DL | SAM | 11/10/25 22:51 | 10x for Na | Jaswal | Confirms |
| 124 | Q3584-03DL | SW-3DL | SAM | 11/10/25 22:55 | 10x for Na | Jaswal | Confirms |
| 125 | Q3584-03DUPDL | SW-3DUPDL | DUP | 11/10/25 23:00 | 10x for Na | Jaswal | Confirms |
| 126 | Q3584-03LDL | SW-3LDL | SD | 11/10/25 23:04 | NOT REQUIRED | Jaswal | Not Ok |
| 127 | Q3584-03MSDL | SW-3MSDL | MS | 11/10/25 23:08 | 10x for Na | Jaswal | Confirms |
| 128 | Q3584-03MSDDL | SW-3MSDDL | MSD | 11/10/25 23:13 | 10x for Na | Jaswal | Confirms |
| 129 | Q3584-03ADL | SW-3ADL | PS | 11/10/25 23:17 | NOT REQUIRED | Jaswal | Not Ok |
| 130 | Q3574-01DL | 304641-01 LiquidDL | SAM | 11/10/25 23:21 | NOT REQUIRED | Jaswal | Not Ok |
| 131 | Q3584-07DL2 | SEEP-1DL2 | SAM | 11/10/25 23:26 | NOT REQUIRED | Jaswal | Not Ok |
| 132 | CCV11 | CCV11 | CCV | 11/10/25 23:30 | | Jaswal | OK |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137841

| | | | |
|---|---|---|---|
| Review By | mohan | Review On | 11/11/2025 11:36:43 AM |
| Supervise By | jaswal | Supervise On | 11/12/2025 10:25:25 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP87637,MP87643,MP87641,MP87640,MP87639,MP87638 |
| ICV Standard | MP87644,MP87643 |
| CCV Standard | MP87647 |
| ICSA Standard | MP87645,MP87646 |
| CRI Standard | MP87643 |
| LCS Standard | |
| Chk Standard | MP87668,MP87648,MP87651,MP87649,MP87650 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 133 | CCB11 | CCB11 | CCB | 11/10/25 23:34 | | Jaswal | OK |

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**Instrument ID:** CV1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137851

| | | | |
|---|---|---|---|
| Review By | mohan | Review On | 11/12/2025 12:15:01 PM |
| Supervise By | jaswal | Supervise On | 11/12/2025 12:15:46 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP87917,MP87918,MP87919,MP87920,MP87921,MP87922 |
| ICV Standard | MP87923 |
| CCV Standard | MP87925 |
| ICSA Standard | |
| CRI Standard | MP87927 |
| LCS Standard | |
| Chk Standard | MP87924,MP87926,MP87928,MP87930 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | S0 | S0 | CAL1 | 11/11/25 14:07 | | mohan | OK |
| 2 | S0.2 | S0.2 | CAL2 | 11/11/25 14:09 | | mohan | OK |
| 3 | S2.5 | S2.5 | CAL3 | 11/11/25 14:11 | | mohan | OK |
| 4 | S5 | S5 | CAL4 | 11/11/25 14:14 | | mohan | OK |
| 5 | S7.5 | S7.5 | CAL5 | 11/11/25 14:16 | | mohan | OK |
| 6 | S10 | S10 | CAL6 | 11/11/25 14:18 | | mohan | OK |
| 7 | ICV109 | ICV109 | ICV | 11/11/25 14:21 | | mohan | OK |
| 8 | ICB109 | ICB109 | ICB | 11/11/25 14:24 | | mohan | OK |
| 9 | CCV56 | CCV56 | CCV | 11/11/25 14:26 | | mohan | OK |
| 10 | CCB56 | CCB56 | CCB | 11/11/25 14:28 | | mohan | OK |
| 11 | CRA | CRA | CRDL | 11/11/25 14:33 | | mohan | OK |
| 12 | HighStd | HighStd | HIGH STD | 11/11/25 14:36 | | mohan | OK |
| 13 | ChkStd | ChkStd | SAM | 11/11/25 14:38 | | mohan | OK |
| 14 | PB170491BL | PB170491BL | MB | 11/11/25 14:40 | | mohan | OK |
| 15 | PB170491BS | PB170491BS | LCS | 11/11/25 14:48 | | mohan | OK |
| 16 | Q3581-01 | VNJ-238 | SAM | 11/11/25 14:50 | | mohan | OK |
| 17 | Q3581-03 | VNJ-245 | SAM | 11/11/25 14:52 | | mohan | OK |
| 18 | Q3581-05 | VNJ-240 | SAM | 11/11/25 14:54 | | mohan | OK |

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**Instrument ID:** CV1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137851

| | | | |
|---|---|---|---|
| Review By | mohan | Review On | 11/12/2025 12:15:01 PM |
| Supervise By | jaswal | Supervise On | 11/12/2025 12:15:46 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP87917,MP87918,MP87919,MP87920,MP87921,MP87922 |
| ICV Standard | MP87923 |
| CCV Standard | MP87925 |
| ICSA Standard | |
| CRI Standard | MP87927 |
| LCS Standard | |
| Chk Standard | MP87924,MP87926,MP87928,MP87930 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q3581-07 | RBR200059 | SAM | 11/11/25 14:57 | | mohan | OK |
| 20 | Q3582-04 | RT4912 | SAM | 11/11/25 14:59 | | mohan | OK |
| 21 | CCV57 | CCV57 | CCV | 11/11/25 15:01 | | mohan | OK |
| 22 | CCB57 | CCB57 | CCB | 11/11/25 15:04 | | mohan | OK |
| 23 | Q3583-04 | CHRT27080 | SAM | 11/11/25 15:06 | | mohan | OK |
| 24 | Q3586-01 | SED-1 | SAM | 11/11/25 15:09 | | mohan | OK |
| 25 | Q3586-02 | SED-2 | SAM | 11/11/25 15:11 | | mohan | OK |
| 26 | Q3586-03 | SED-3 | SAM | 11/11/25 15:13 | | mohan | OK |
| 27 | Q3587-01 | NB-08-110725 | SAM | 11/11/25 15:15 | SPIKE ERROR | mohan | OK |
| 28 | Q3588-01 | TR-06-11072025 | SAM | 11/11/25 15:18 | SPIKE ERROR | mohan | OK |
| 29 | Q3588-03 | TR-01-11072025 | SAM | 11/11/25 15:20 | | mohan | OK |
| 30 | Q3597-01 | TP-1 | SAM | 11/11/25 15:22 | | mohan | OK |
| 31 | Q3597-04 | TP-2 | SAM | 11/11/25 15:25 | | mohan | OK |
| 32 | Q3597-07 | TP-3 | SAM | 11/11/25 15:27 | | mohan | OK |
| 33 | CCV58 | CCV58 | CCV | 11/11/25 15:30 | | mohan | OK |
| 34 | CCB58 | CCB58 | CCB | 11/11/25 15:32 | | mohan | OK |
| 35 | Q3597-10 | TP-4 | SAM | 11/11/25 15:34 | | mohan | OK |
| 36 | Q3597-10DUP | TP-4DUP | DUP | 11/11/25 15:37 | | mohan | OK |
| 37 | Q3597-10MS | TP-4MS | MS | 11/11/25 15:39 | | mohan | OK |
| 38 | Q3597-10MSD | TP-4MSD | MSD | 11/11/25 15:41 | | mohan | OK |

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**Instrument ID:** CV1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137851

| | | | |
|---|---|---|---|
| Review By | mohan | Review On | 11/12/2025 12:15:01 PM |
| Supervise By | jaswal | Supervise On | 11/12/2025 12:15:46 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP87917,MP87918,MP87919,MP87920,MP87921,MP87922 |
| ICV Standard | MP87923 |
| CCV Standard | MP87925 |
| ICSA Standard | |
| CRI Standard | MP87927 |
| LCS Standard | |
| Chk Standard | MP87924,MP87926,MP87928,MP87930 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 39 | PB170492BL | PB170492BL | MB | 11/11/25 15:44 | | mohan | OK |
| 40 | PB170492BS | PB170492BS | LCS | 11/11/25 15:46 | | mohan | OK |
| 41 | Q3598-01 | EO-CONCRETE | SAM | 11/11/25 15:49 | | mohan | OK |
| 42 | Q3599-01 | LIVINGSTON-SOIL | SAM | 11/11/25 15:51 | | mohan | OK |
| 43 | Q3600-01 | CENTRAL-ROW-CON | SAM | 11/11/25 15:54 | | mohan | OK |
| 44 | Q3601-01 | TP-1 | SAM | 11/11/25 15:56 | | mohan | OK |
| 45 | CCV59 | CCV59 | CCV | 11/11/25 15:58 | | mohan | OK |
| 46 | CCB59 | CCB59 | CCB | 11/11/25 16:00 | | mohan | OK |
| 47 | Q3601-05 | TP-2 | SAM | 11/11/25 16:03 | | mohan | OK |
| 48 | Q3601-09 | TP-3 | SAM | 11/11/25 16:05 | Hg high, need dilution | mohan | Dilution |
| 49 | Q3601-13 | TP-4 | SAM | 11/11/25 16:07 | | mohan | OK |
| 50 | Q3601-17 | TP-5 | SAM | 11/11/25 16:10 | | mohan | OK |
| 51 | Q3601-17DUP | TP-5DUP | DUP | 11/11/25 16:13 | | mohan | OK |
| 52 | Q3601-17MS | TP-5MS | MS | 11/11/25 16:19 | | mohan | OK |
| 53 | Q3601-17MSD | TP-5MSD | MSD | 11/11/25 16:21 | | mohan | OK |
| 54 | Q3597-10L | TP-4L | SD | 11/11/25 16:23 | | mohan | OK |
| 55 | Q3597-10A | TP-4A | PS | 11/11/25 16:26 | | mohan | OK |
| 56 | Q3601-17L | TP-5L | SD | 11/11/25 16:28 | | mohan | OK |
| 57 | CCV60 | CCV60 | CCV | 11/11/25 16:30 | | mohan | OK |
| 58 | CCB60 | CCB60 | CCB | 11/11/25 16:33 | | mohan | OK |

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**Instrument ID:** CV1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137851

| | | | |
|---|---|---|---|
| Review By | mohan | Review On | 11/12/2025 12:15:01 PM |
| Supervise By | jaswal | Supervise On | 11/12/2025 12:15:46 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP87917,MP87918,MP87919,MP87920,MP87921,MP87922 |
| ICV Standard | MP87923 |
| CCV Standard | MP87925 |
| ICSA Standard | |
| CRI Standard | MP87927 |
| LCS Standard | |
| Chk Standard | MP87924,MP87926,MP87928,MP87930 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 59 | Q3601-17A | TP-5A | PS | 11/11/25 16:35 | | mohan | OK |
| 60 | Q3601-09DL | TP-3DL | SAM | 11/11/25 16:37 | 2X For Hg | mohan | Confirms |
| 61 | CCV61 | CCV61 | CCV | 11/11/25 16:40 | | mohan | OK |
| 62 | CCB61 | CCB61 | CCB | 11/11/25 16:42 | | mohan | OK |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137927

| | | | |
|---|---|---|---|
| Review By | jaswal | Review On | 11/18/2025 12:15:01 PM |
| Supervise By | mohan | Supervise On | 11/18/2025 12:19:09 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP87637,MP87643,MP87641,MP87640,MP87639,MP87638 |
| ICV Standard | MP87644,MP87643 |
| CCV Standard | MP87647 |
| ICSA Standard | MP87645,MP87646 |
| CRI Standard | MP87643 |
| LCS Standard | |
| Chk Standard | MP87668,MP87648,MP87651,MP87649,MP87650 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | S0 | S0 | CAL1 | 11/14/25 12:51 | | Jaswal | OK |
| 2 | S1 | S1 | CAL2 | 11/14/25 12:55 | | Jaswal | OK |
| 3 | S2 | S2 | CAL3 | 11/14/25 13:00 | | Jaswal | OK |
| 4 | S3 | S3 | CAL4 | 11/14/25 13:04 | | Jaswal | OK |
| 5 | S4 | S4 | CAL5 | 11/14/25 13:08 | | Jaswal | OK |
| 6 | S5 | S5 | CAL6 | 11/14/25 13:12 | | Jaswal | OK |
| 7 | ICV01 | ICV01 | ICV | 11/14/25 13:37 | | Jaswal | OK |
| 8 | ICB01 | ICB01 | ICB | 11/14/25 13:45 | | Jaswal | OK |
| 9 | CRI01 | CRI01 | CRDL | 11/14/25 14:00 | | Jaswal | OK |
| 10 | ICSA01 | ICSA01 | ICSA | 11/14/25 14:07 | | Jaswal | OK |
| 11 | ICSAB01 | ICSAB01 | ICSAB | 11/14/25 14:11 | | Jaswal | OK |
| 12 | ICSADL | ICSADL | ICSA | 11/14/25 14:15 | | Jaswal | OK |
| 13 | ICSABDL | ICSABDL | ICSAB | 11/14/25 14:20 | | Jaswal | OK |
| 14 | CCV01 | CCV01 | CCV | 11/14/25 14:24 | | Jaswal | OK |
| 15 | LLICV01 | LLICV01 | LLICV | 11/14/25 14:33 | | Jaswal | OK |
| 16 | CCB01 | CCB01 | CCB | 11/14/25 14:37 | | Jaswal | OK |
| 17 | PB170459BL | PB170459BL | MB | 11/14/25 14:43 | | Jaswal | OK |
| 18 | PB170459BS | PB170459BS | LCS | 11/14/25 14:48 | | Jaswal | OK |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137927

| | | | |
|---|---|---|---|
| Review By | jaswal | Review On | 11/18/2025 12:15:01 PM |
| Supervise By | mohan | Supervise On | 11/18/2025 12:19:09 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP87637,MP87643,MP87641,MP87640,MP87639,MP87638 |
| ICV Standard | MP87644,MP87643 |
| CCV Standard | MP87647 |
| ICSA Standard | MP87645,MP87646 |
| CRI Standard | MP87643 |
| LCS Standard | |
| Chk Standard | MP87668,MP87648,MP87651,MP87649,MP87650 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | PB170471BL | PB170471BL | MB | 11/14/25 15:00 | | Jaswal | OK |
| 20 | PB170471BS | PB170471BS | LCS | 11/14/25 15:05 | | Jaswal | OK |
| 21 | PB170557BL | PB170557BL | MB | 11/14/25 15:09 | | Jaswal | OK |
| 22 | PB170557BS | PB170557BS | LCS | 11/14/25 15:13 | | Jaswal | OK |
| 23 | PB170558BL | PB170558BL | MB | 11/14/25 15:17 | | Jaswal | OK |
| 24 | PB170558BS | PB170558BS | LCS | 11/14/25 15:22 | | Jaswal | OK |
| 25 | Q3628-01 | TP-5 | SAM | 11/14/25 15:28 | | Jaswal | OK |
| 26 | Q3631-01 | VNJ-202 | SAM | 11/14/25 15:32 | | Jaswal | OK |
| 27 | CCV02 | CCV02 | CCV | 11/14/25 15:37 | | Jaswal | OK |
| 28 | CCB02 | CCB02 | CCB | 11/14/25 15:40 | | Jaswal | OK |

Alliance TECHNICAL GROUP

**Soil/Sludge Metals Preparation Sheet**

PB170471

| | | | |
|---|---|---|---|
| **SOP ID :** | M3050B-Digestion-20 | | |
| **SDG No :** | N/A | **Start Digest Date:** | 11/10/2025 **Time :** 14:40 **Temp :** 96 °C |
| **Matrix :** | SOIL | **End Digest Date:** | 11/10/2025 **Time :** 16:42 **Temp :** 96 °C |
| **Pippete ID:** | ICP A | **Digestion tube ID:** | M6054 |
| **Balance ID :** | M SC-2 | **Block thermometer ID:** | MET-DIG. #2 |
| **Filter paper ID :** | N/A | **Dig Technician Signature:** | SKJ |
| **pH Strip ID :** | N/A | **Supervisor Signature:** | MS |
| **Hood ID :** | #3 | **Temp :** | **1.** 96°C **2.** N/A |
| **Block ID:** | **1.** HOT BLOCK #2 **2.** N/A | | |

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| LFS-1 | 1.00 | M6209 |
| LFS-2 | 1.00 | M6201 |
| 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 | M6187 |
| 1:1 HNO3 | 10.00 | MP86978 |
| 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#2 CELL#35 96 C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 11/10/25 17:42 | SLG metals | ASL - metals Lab |
| | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

**Soil/Sludge Metals Preparation Sheet**

**PB170471**

| Lab Sample ID | Client Sample ID | pH | Initial Weight (g) | Final Vol (ml) | Color Before | Color After | Texture | Artifact | Comment | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| PB170471BL | PBS471 | N/A | 2.00 | 100 | Colorless | Colorless | Fine | No | N/A | 1 |
| PB170471BS | LCS471 | N/A | 2.00 | 100 | Colorless | Colorless | Fine | No | M6209,M6201 | 2 |
| Q3581-01MS | VNJ-238MS | N/A | 2.30 | 100 | Brown | Yellow | Medium | No | M6209,M6201 | 5 |
| Q3581-01MSD | VNJ-238MSD | N/A | 2.14 | 100 | Brown | Yellow | Medium | No | M6209,M6201 | 6 |
| Q3581-01DUP | VNJ-238DUP | N/A | 2.14 | 100 | Brown | Yellow | Medium | No | N/A | 4 |
| Q3581-01 | VNJ-238 | N/A | 2.12 | 100 | Brown | Yellow | Medium | No | N/A | 3 |
| Q3581-03 | VNJ-245 | N/A | 2.20 | 100 | Brown | Yellow | Medium | No | N/A | 7 |
| Q3581-05 | VNJ-240 | N/A | 2.20 | 100 | Brown | Yellow | Medium | No | N/A | 8 |
| Q3581-07 | RBR200059 | N/A | 2.22 | 100 | Brown | Yellow | Medium | No | N/A | 9 |
| Q3582-04 | RT4912 | N/A | 2.34 | 100 | Brown | Yellow | Medium | No | N/A | 10 |
| Q3583-04 | CHRT27080 | N/A | 2.14 | 100 | Brown | Yellow | Medium | No | N/A | 11 |
| Q3586-01 | SED-1 | N/A | 2.22 | 100 | Brown | Yellow | Medium | No | N/A | 12 |
| Q3586-02 | SED-2 | N/A | 2.26 | 100 | Brown | Yellow | Medium | No | N/A | 13 |
| Q3586-03 | SED-3 | N/A | 2.12 | 100 | Brown | Yellow | Medium | No | N/A | 14 |
| Q3587-01 | NB-08-110725 | N/A | 2.34 | 100 | Brown | Yellow | Medium | No | N/A | 15 |
| Q3588-01 | TR-06-11072025 | N/A | 2.30 | 100 | Brown | Yellow | Medium | No | N/A | 16 |
| Q3588-03 | TR-01-11072025 | N/A | 2.34 | 100 | Brown | Yellow | Medium | No | N/A | 17 |

Alliance TECHNICAL GROUP

## Soil/Sludge Mercury Preparation Sheet

PB170491

**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:** 11/11/2025 **Time :** 08:40 **Temp :** 95 °C

**End Digest Date:** 11/11/2025 **Time :** 09:10 **Temp :** 95 °C

**Digestion tube ID:** M5595

**Block thermometer ID:** HG-DIG#3

**Dig Technician Signature:** MB

**Supervisor Signature:** JC

**Temp :** 1. 95°C 2. N/A

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| ICV | 30mL | MP87923 |
| CCV | 30mL | MP87925 |
| CRA | 30mL | MP87927 |
| Blank Spike | 0.48mL | MP87916 |
| Matrix Spike | 0.48mL | MP897916 |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| AQUA REGIA | 1.5Ml | MP87929 |
| KMnO4 (5%) | 4.5mL | MP87634 |
| Hydroxylamine HCL (12%) | 2.4mL | MP87635 |
| PTFE Boiling Stones | N/A | 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 | MP87917 |
| 0.05 ppb | S0.05 | N/A | N/A |
| 0.2 ppb | S0.2 | 30Ml | MP87918 |
| 2.5 ppb | S2.5 | 30Ml | MP87919 |
| 5.0 ppb | S5.0 | 30Ml | MP87920 |
| 7.5 ppb | S7.5 | 30mL | MP87921 |
| 10.0 ppb | S10.0 | 30mL | MP87922 |
| ICV | ICV | 30Ml | MP87923 |
| ICB | ICB | 30Ml | MP87924 |
| CCV | CCV | 30Ml | MP87925 |
| CCB | CCB | 30Ml | MP87926 |
| CRI | CRI | 30Ml | MP87927 |
| CHK STD | CHK STD | 30Ml | MP87928 |

**Extraction Conformance/Non-Conformance Comments:**

N/A

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 11/11/25 @ 9:45 | MB - 115 Lab | MB - Metal Lab |
| | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

## Soil/Sludge Mercury Preparation Sheet

**PB170491**

| Lab Sample ID | Client Sample ID | Initial Weight (g) | Final Vol (ml) | pH | Comment | Prep Pos |
|---|---|---|---|---|---|---|
| PB170491BL | PBS491 | 0.50 | 35 | N/A | N/A | 3-1 |
| PB170491BS | LCS491 | 0.50 | 35 | N/A | MP87916 | 2 |
| Q3581-01 | VNJ-238 | 0.52 | 35 | N/A | N/A | 3 |
| Q3581-03 | VNJ-245 | 0.53 | 35 | N/A | N/A | 4 |
| Q3581-05 | VNJ-240 | 0.60 | 35 | N/A | N/A | 5 |
| Q3581-07 | RBR200059 | 0.52 | 35 | N/A | N/A | 6 |
| Q3582-04 | RT4912 | 0.52 | 35 | N/A | N/A | 7 |
| Q3583-04 | CHRT27080 | 0.57 | 35 | N/A | N/A | 8 |
| Q3586-01 | SED-1 | 0.60 | 35 | N/A | N/A | 9 |
| Q3586-02 | SED-2 | 0.51 | 35 | N/A | N/A | 10 |
| Q3586-03 | SED-3 | 0.54 | 35 | N/A | N/A | 11 |
| Q3587-01 | NB-08-110725 | 0.58 | 35 | N/A | N/A | 12 |
| Q3588-01 | TR-06-11072025 | 0.51 | 35 | N/A | N/A | 13 |
| Q3588-03 | TR-01-11072025 | 0.60 | 35 | N/A | N/A | 14 |
| Q3597-01 | TP-1 | 0.54 | 35 | N/A | N/A | 15 |
| Q3597-04 | TP-2 | 0.51 | 35 | N/A | N/A | 16 |
| Q3597-07 | TP-3 | 0.58 | 35 | N/A | N/A | 17 |
| Q3597-10 | TP-4 | 0.53 | 35 | N/A | N/A | 18 |
| Q3597-10DUP | TP-4DUP | 0.53 | 35 | N/A | N/A | 19 |
| Q3597-10MS | TP-4MS | 0.55 | 35 | N/A | MP87916 | 20 |
| Q3597-10MSD | TP-4MSD | 0.53 | 35 | N/A | MP87916 | 21 |

# SAMPLE DATA

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# Report of Analysis



| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 14:15 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-1 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-01 | Matrix: | SOIL |
| | | % Solid: | 62.9 |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide | 0.065 | U | 1 | 0.065 | 0.39 | mg/Kg | 11/10/25 08:15 | 11/10/25 14:47 | 9012B |
| Hexavalent Chromium | 0.11 | U | 1 | 0.11 | 0.62 | mg/Kg | 11/10/25 09:10 | 11/10/25 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

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# Report of Analysis



| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 12:40 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-2 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-02 | Matrix: | SOIL |
| | | % Solid: | 41.4 |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide | 0.10 | U | 1 | 0.10 | 0.60 | mg/Kg | 11/10/25 08:15 | 11/10/25 14:47 | 9012B |
| Hexavalent Chromium | 0.17 | U | 1 | 0.17 | 0.96 | mg/Kg | 11/10/25 09:10 | 11/10/25 12:46 | 7196A |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# Report of Analysis



| | | | |
|---|---|---|---|
| Client: | Remington & Vernick Engineers | Date Collected: | 11/06/25 11:55 |
| Project: | Edison Landfill | Date Received: | 11/07/25 |
| Client Sample ID: | SED-3 | SDG No.: | Q3586 |
| Lab Sample ID: | Q3586-03 | Matrix: | SOIL |
| | | % Solid: | 50.9 |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide | 0.081 | U | 1 | 0.081 | 0.48 | mg/Kg | 11/10/25 08:15 | 11/10/25 14:47 | 9012B |
| Hexavalent Chromium | 0.14 | U | 1 | 0.14 | 0.78 | mg/Kg | 11/10/25 09:10 | 11/10/25 12:46 | 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:** Remington & Vernick Engineers **SDG No.:** Q3586

**Project:** Edison Landfill **RunNo.:** LB137839

| Analyte | Units | Result | True Value | % Recovery | Acceptance Window (%R) | Analysis Date |
|---|---|---|---|---|---|---|
| **Sample ID: ICV** | | | | | | |
| Hexavalent Chromium | mg/L | 0.489 | 0.5 | 98 | 90-110 | 11/10/2025 |
| **Sample ID: CCV1** | | | | | | |
| Hexavalent Chromium | mg/L | 0.495 | 0.5 | 99 | 90-110 | 11/10/2025 |
| **Sample ID: CCV2** | | | | | | |
| Hexavalent Chromium | mg/L | 0.491 | 0.5 | 98 | 90-110 | 11/10/2025 |
| **Sample ID: CCV3** | | | | | | |
| Hexavalent Chromium | mg/L | 0.489 | 0.5 | 98 | 90-110 | 11/10/2025 |
| **Sample ID: CCV4** | | | | | | |
| Hexavalent Chromium | mg/L | 0.493 | 0.5 | 99 | 90-110 | 11/10/2025 |

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# Initial and Continuing Calibration Verification

| | | | |
|---|---|---|---|
| **Client:** | Remington & Vernick Engineers | **SDG No.:** | Q3586 |
| **Project:** | Edison Landfill | **RunNo.:** | LB137840 |

| Analyte | | Units | Result | True Value | % Recovery | Acceptance Window (%R) | Analysis Date |
|---|---|---|---|---|---|---|---|
| **Sample ID:** | **ICV1** | | | | | | |
| Cyanide | | mg/L | 0.096 | 0.099 | 97 | 90-110 | 11/10/2025 |
| **Sample ID:** | **CCV1** | | | | | | |
| Cyanide | | mg/L | 0.24 | 0.25 | 96 | 90-110 | 11/10/2025 |
| **Sample ID:** | **CCV2** | | | | | | |
| Cyanide | | mg/L | 0.24 | 0.25 | 96 | 90-110 | 11/10/2025 |
| **Sample ID:** | **CCV3** | | | | | | |
| Cyanide | | mg/L | 0.24 | 0.25 | 96 | 90-110 | 11/10/2025 |
| **Sample ID:** | **CCV4** | | | | | | |
| Cyanide | | mg/L | 0.25 | 0.25 | 100 | 90-110 | 11/10/2025 |

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# Initial and Continuing Calibration Blank Summary

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Project:** Edison Landfill **RunNo.:** LB137839

| 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 | 11/10/2025 |
| **Sample ID: CCB1** | | | | | | | |
| Hexavalent Chromium | mg/L | < 0.0050 | 0.0050 | U | 0.0029 | 0.01 | 11/10/2025 |
| **Sample ID: CCB2** | | | | | | | |
| Hexavalent Chromium | mg/L | < 0.0050 | 0.0050 | U | 0.0029 | 0.01 | 11/10/2025 |
| **Sample ID: CCB3** | | | | | | | |
| Hexavalent Chromium | mg/L | < 0.0050 | 0.0050 | U | 0.0029 | 0.01 | 11/10/2025 |
| **Sample ID: CCB4** | | | | | | | |
| Hexavalent Chromium | mg/L | < 0.0050 | 0.0050 | U | 0.0029 | 0.01 | 11/10/2025 |

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# Initial and Continuing Calibration Blank Summary

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Project:** Edison Landfill **RunNo.:** LB137840

| Analyte | | Units | Result | Acceptance Limits | Conc Qual | MDL | RDL | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| Sample ID: | ICB1 | | | | | | | |
| Cyanide | | mg/L | < 0.0025 | 0.0025 | U | 0.00096 | 0.005 | 11/10/2025 |
| Sample ID: | CCB1 | | | | | | | |
| Cyanide | | mg/L | < 0.0025 | 0.0025 | U | 0.00096 | 0.005 | 11/10/2025 |
| Sample ID: | CCB2 | | | | | | | |
| Cyanide | | mg/L | < 0.0025 | 0.0025 | U | 0.00096 | 0.005 | 11/10/2025 |
| Sample ID: | CCB3 | | | | | | | |
| Cyanide | | mg/L | < 0.0025 | 0.0025 | U | 0.00096 | 0.005 | 11/10/2025 |
| Sample ID: | CCB4 | | | | | | | |
| Cyanide | | mg/L | < 0.0025 | 0.0025 | U | 0.00096 | 0.005 | 11/10/2025 |

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# Preparation Blank Summary

**Client:** Remington & Vernick Engineers **SDG No.:** Q3586

**Project:** Edison Landfill

| Analyte | Units | Result | Acceptance Limits | Conc Qual | MDL | RDL | Analysis Date |
|---|---|---|---|---|---|---|---|
| **Sample ID:** PB170464BL | | | | | | | |
| Hexavalent Chromium | mg/Kg | < 0.2000 | 0.2000 | U | 0.07 | 0.4 | 11/10/2025 |
| **Sample ID:** PB170470BL | | | | | | | |
| Cyanide | mg/Kg | < 0.1250 | 0.1250 | U | 0.042 | 0.25 | 11/10/2025 |

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# Matrix Spike Summary

**Client:** Remington & Vernick Engineers
**SDG No.:** Q3586
**Project:** Edison Landfill
**Sample ID:** Q3560-01
**Client ID:** SY-10DMS
**Percent Solids for Spike Sample:** 0

| Analyte | Units | Acceptance Limit %R | Spiked Result | Conc. Qualifier | Sample Result | Conc. Qualifier | Spike Added | Dilution Factor | % Rec | Qual | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide | mg/L | 75-125 | 1.90 | | 0.047 | U | 1.96078 | 1 | 97 | | 11/10/2025 |

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# Matrix Spike Summary

**Client:** Remington & Vernick Engineers
**SDG No.:** Q3586
**Project:** Edison Landfill
**Sample ID:** Q3560-01
**Client ID:** SY-10DMSD
**Percent Solids for Spike Sample:** 0

| Analyte | Units | Acceptance Limit %R | Spiked Result | Conc. Qualifier | Sample Result | Conc. Qualifier | Spike Added | Dilution Factor | % Rec | Qual | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide | mg/L | 75-125 | 2.00 | | 0.047 | U | 1.94175 | 1 | 103 | | 11/10/2025 |

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# Matrix Spike Summary

**Client:** Remington & Vernick Engineers
**SDG No.:** Q3586
**Project:** Edison Landfill
**Sample ID:** Q3562-01
**Client ID:** EO-03-110625MS
**Percent Solids for Spike Sample:** 92.1

| 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 | 1340 | | 0.075 | U | 1390 | 40 | 96 | | 11/10/2025 |

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# Matrix Spike Summary

**Client:** Remington & Vernick Engineers
**SDG No.:** Q3586
**Project:** Edison Landfill
**Sample ID:** Q3562-01
**Client ID:** EO-03-110625MS
**Percent Solids for Spike Sample:** 92.1

| 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 | 41.3 | | 0.075 | U | 43.4 | 2 | 95 | | 11/10/2025 |

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# Matrix Spike Summary

**Client:** Remington & Vernick Engineers
**SDG No.:** Q3586
**Project:** Edison Landfill
**Sample ID:** Q3562-01
**Client ID:** EO-03-110625MS
**Percent Solids for Spike Sample:** 92.1

| 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 | 38.0 | | 0.075 | U | 43.4 | 2 | 88 | | 11/10/2025 |

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# Duplicate Sample Summary

**Client:** Remington & Vernick Engineers
**SDG No.:** Q3586
**Project:** Edison Landfill
**Sample ID:** Q3560-01
**Client ID:** SY-10DDUP
**Percent Solids for Spike Sample:** 0

| Analyte | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/ AD | Qual | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide | mg/L | +/-20 | 0.047 | U | 0.047 | U | 1 | 0 | | 11/10/2025 |

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# Duplicate Sample Summary

**Client:** Remington & Vernick Engineers
**SDG No.:** Q3586
**Project:** Edison Landfill
**Sample ID:** Q3560-01
**Client ID:** SY-10DMSD
**Percent Solids for Spike Sample:** 0

| Analyte | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/ AD | Qual | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide | mg/L | +/-20 | 1.90 | | 2.00 | | 1 | 5 | | 11/10/2025 |

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# Duplicate Sample Summary

**Client:** Remington & Vernick Engineers
**SDG No.:** Q3586
**Project:** Edison Landfill
**Sample ID:** Q3562-01
**Client ID:** EO-03-110625DUP
**Percent Solids for Spike Sample:** 92.1

| Analyte | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/ AD | Qual | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| Hexavalent Chromium | mg/Kg | +/-20 | 0.075 | U | 0.075 | U | 1 | 0 | | 11/10/2025 |

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# Laboratory Control Sample Summary

| | | | |
|---|---|---|---|
| **Client:** | Remington & Vernick Engineers | **SDG No.:** | Q3586 |
| **Project:** | Edison Landfill | **Run No.:** | LB137839 |

| Analyte | Units | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| **Sample ID PB170464BS** | | | | | | | | |
| Hexavalent Chromium | mg/Kg | 20 | 19.8 | | 99 | 1 | 84-110 | 11/10/2025 |

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# Laboratory Control Sample Summary

| | | | |
|---|---|---|---|
| **Client:** | Remington & Vernick Engineers | **SDG No.:** | Q3586 |
| **Project:** | Edison Landfill | **Run No.:** | LB137840 |

| Analyte | Units | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| **Sample ID** **PB170470BS** | | | | | | | | |
| Cyanide | mg/Kg | 5 | 4.90 | | 98 | 1 | 85-115 | 11/10/2025 |

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**Instrument ID:** SPECTROPHOTOMETER-1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137839

| | | | |
|---|---|---|---|
| Review By | rubina | Review On | 11/10/2025 3:02:02 PM |
| Supervise By | Iwona | Supervise On | 11/12/2025 1:03:38 PM |
| SubDirectory | LB137839 | 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 | WP115554,WP115340,WP115339,WP115587,WP114310 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | CAL1 | CAL1 | CAL | 11/10/25 12:30 | | rubina | OK |
| 2 | CAL2 | CAL2 | CAL | 11/10/25 12:30 | | rubina | OK |
| 3 | CAL3 | CAL3 | CAL | 11/10/25 12:31 | | rubina | OK |
| 4 | CAL4 | CAL4 | CAL | 11/10/25 12:31 | | rubina | OK |
| 5 | CAL5 | CAL5 | CAL | 11/10/25 12:32 | | rubina | OK |
| 6 | CAL6 | CAL6 | CAL | 11/10/25 12:32 | | rubina | OK |
| 7 | CAL7 | CAL7 | CAL | 11/10/25 12:33 | | rubina | OK |
| 8 | ICV | ICV | ICV | 11/10/25 12:33 | | rubina | OK |
| 9 | ICB | ICB | ICB | 11/10/25 12:34 | | rubina | OK |
| 10 | CCV1 | CCV1 | CCV | 11/10/25 12:34 | | rubina | OK |
| 11 | CCB1 | CCB1 | CCB | 11/10/25 12:35 | | rubina | OK |
| 12 | RL Check | RL Check | RL | 11/10/25 12:35 | | rubina | OK |
| 13 | PB170464BL | PB170464BL | MB | 11/10/25 12:36 | | rubina | OK |
| 14 | PB170464BS | PB170464BS | LCS | 11/10/25 12:36 | | rubina | OK |
| 15 | Q3530-03 | MDL-SOIL-03-QT4-20 | SAM | 11/10/25 12:37 | | rubina | OK |
| 16 | Q3562-01 | EO-03-110625 | SAM | 11/10/25 12:37 | | rubina | OK |
| 17 | Q3562-01DUP | EO-03-110625DUP | DUP | 11/10/25 12:38 | | rubina | OK |
| 18 | Q3562-01MSPre | EO-03-110625MS | MS | 11/10/25 12:38 | | rubina | OK |

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**Instrument ID:** SPECTROPHOTOMETER-1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137839

| | | | |
|---|---|---|---|
| Review By | rubina | Review On | 11/10/2025 3:02:02 PM |
| Supervise By | Iwona | Supervise On | 11/12/2025 1:03:38 PM |
| SubDirectory | LB137839 | 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 | WP115554,WP115340,WP115339,WP115587,WP114310 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q3562-01MS2Ins | EO-03-110625MS | MS | 11/10/25 12:39 | | rubina | OK |
| 20 | Q3562-01MS3Post | EO-03-110625MS | MS | 11/10/25 12:39 | | rubina | OK |
| 21 | Q3564-01 | OR-03-11062025 | SAM | 11/10/25 12:40 | | rubina | OK |
| 22 | Q3577-01 | WC-1A | SAM | 11/10/25 12:40 | | rubina | OK |
| 23 | CCV2 | CCV2 | CCV | 11/10/25 12:41 | | rubina | OK |
| 24 | CCB2 | CCB2 | CCB | 11/10/25 12:41 | | rubina | OK |
| 25 | Q3580-01 | 346 | SAM | 11/10/25 12:42 | | rubina | OK |
| 26 | Q3581-01 | VNJ-238 | SAM | 11/10/25 12:42 | | rubina | OK |
| 27 | Q3581-03 | VNJ-245 | SAM | 11/10/25 12:43 | | rubina | OK |
| 28 | Q3581-05 | VNJ-240 | SAM | 11/10/25 12:43 | | rubina | OK |
| 29 | Q3581-07 | RBR200059 | SAM | 11/10/25 12:44 | | rubina | OK |
| 30 | Q3582-04 | RT4912 | SAM | 11/10/25 12:44 | | rubina | OK |
| 31 | Q3583-04 | CHRT27080 | SAM | 11/10/25 12:45 | | rubina | OK |
| 32 | Q3586-01 | SED-1 | SAM | 11/10/25 12:45 | | rubina | OK |
| 33 | Q3586-02 | SED-2 | SAM | 11/10/25 12:46 | | rubina | OK |
| 34 | Q3586-03 | SED-3 | SAM | 11/10/25 12:46 | | rubina | OK |
| 35 | CCV3 | CCV3 | CCV | 11/10/25 12:47 | | rubina | OK |
| 36 | CCB3 | CCB3 | CCB | 11/10/25 12:47 | | rubina | OK |
| 37 | Q3587-01 | NB-08-110725 | SAM | 11/10/25 12:48 | | rubina | OK |
| 38 | Q3588-01 | TR-06-11072025 | SAM | 11/10/25 12:48 | | rubina | OK |

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**Instrument ID:** SPECTROPHOTOMETER-1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137839

| | | | |
|---|---|---|---|
| Review By | rubina | Review On | 11/10/2025 3:02:02 PM |
| Supervise By | Iwona | Supervise On | 11/12/2025 1:03:38 PM |
| SubDirectory | LB137839 | 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 | WP115554,WP115340,WP115339,WP115587,WP114310 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 39 | Q3588-03 | TR-01-11072025 | SAM | 11/10/25 12:49 | | rubina | OK |
| 40 | CCV4 | CCV4 | CCV | 11/10/25 12:49 | | rubina | OK |
| 41 | CCB4 | CCB4 | CCB | 11/10/25 12:50 | | rubina | OK |

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**Instrument ID:** KONELAB

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137840

| | | | |
|---|---|---|---|
| Review By | rubina | Review On | 11/11/2025 12:55:24 PM |
| Supervise By | Iwona | Supervise On | 11/11/2025 2:08:01 PM |
| SubDirectory | LB137840 | Test | Cyanide |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | WP115577,WP115578,WP115579,WP115580,WP115581,WP115582,WP115583 |
| ICV Standard | W3012 |
| CCV Standard | WP115578 |
| ICSA Standard | N/A |
| CRI Standard | N/A |
| LCS Standard | WP113838 |
| Chk Standard | WP115157,WP114324,WP115585 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | 0.0PPBCN | 0.0PPBCN | CAL1 | 11/10/25 10:56 | | rubina | OK |
| 2 | 5.0PPBCN | 5.0PPBCN | CAL2 | 11/10/25 10:56 | | rubina | OK |
| 3 | 10PPBCN | 10PPBCN | CAL3 | 11/10/25 10:56 | | rubina | OK |
| 4 | 50PPBCN | 50PPBCN | CAL4 | 11/10/25 10:56 | | rubina | OK |
| 5 | 100PPBCN | 100PPBCN | CAL5 | 11/10/25 10:56 | | rubina | OK |
| 6 | 250PPBCN | 250PPBCN | CAL6 | 11/10/25 10:56 | | rubina | OK |
| 7 | 500PPBCN | 500PPBCN | CAL7 | 11/10/25 10:56 | | rubina | OK |
| 8 | ICV1 | ICV1 | ICV | 11/10/25 14:17 | | rubina | OK |
| 9 | ICB1 | ICB1 | ICB | 11/10/25 14:17 | | rubina | OK |
| 10 | CCV1 | CCV1 | CCV | 11/10/25 14:17 | | rubina | OK |
| 11 | CCB1 | CCB1 | CCB | 11/10/25 14:17 | | rubina | OK |
| 12 | PB170470BL | PB170470BL | MB | 11/10/25 14:17 | | rubina | OK |
| 13 | PB170470BS | PB170470BS | LCS | 11/10/25 14:17 | | rubina | OK |
| 14 | LOWPB170440 | LOWPB170440 | SAM | 11/10/25 14:24 | | rubina | OK |
| 15 | HIGHPB170440 | HIGHPB170440 | SAM | 11/10/25 14:24 | | rubina | OK |
| 16 | PB170442BL | PB170442BL | MB | 11/10/25 14:24 | | rubina | OK |
| 17 | PB170442BS | PB170442BS | LCS | 11/10/25 14:24 | | rubina | OK |
| 18 | Q3560-01 | SY-10D | SAM | 11/10/25 14:24 | | rubina | OK |

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**Instrument ID:** KONELAB

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137840

| | | | |
|---|---|---|---|
| Review By | rubina | Review On | 11/11/2025 12:55:24 PM |
| Supervise By | Iwona | Supervise On | 11/11/2025 2:08:01 PM |
| SubDirectory | LB137840 | Test | Cyanide |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | WP115577,WP115578,WP115579,WP115580,WP115581,WP115582,WP115583 |
| ICV Standard | W3012 |
| CCV Standard | WP115578 |
| ICSA Standard | N/A |
| CRI Standard | N/A |
| LCS Standard | WP113838 |
| Chk Standard | WP115157,WP114324,WP115585 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q3560-01DUP | SY-10DDUP | DUP | 11/10/25 14:32 | | rubina | OK |
| 20 | Q3560-01MS | SY-10DMS | MS | 11/10/25 14:32 | | rubina | OK |
| 21 | Q3560-01MSD | SY-10DMSD | MSD | 11/10/25 14:32 | | rubina | OK |
| 22 | CCV2 | CCV2 | CCV | 11/10/25 14:32 | | rubina | OK |
| 23 | CCB2 | CCB2 | CCB | 11/10/25 14:32 | | rubina | OK |
| 24 | Q3560-03 | SY-10S | SAM | 11/10/25 14:32 | | rubina | OK |
| 25 | Q3560-05 | SY-10I | SAM | 11/10/25 14:32 | | rubina | OK |
| 26 | Q3560-07 | SY-12I | SAM | 11/10/25 14:39 | | rubina | OK |
| 27 | Q3560-09 | SY-12D | SAM | 11/10/25 14:39 | | rubina | OK |
| 28 | Q3569-01 | MW-2 | SAM | 11/10/25 14:39 | | rubina | OK |
| 29 | Q3569-02 | MW-12 | SAM | 11/10/25 14:39 | | rubina | OK |
| 30 | Q3580-01 | 346 | SAM | 11/10/25 14:39 | | rubina | OK |
| 31 | Q3580-01DUP | 346DUP | DUP | 11/10/25 14:39 | | rubina | OK |
| 32 | Q3580-01MS | 346MS | MS | 11/10/25 14:39 | | rubina | OK |
| 33 | Q3580-01MSD | 346MSD | MSD | 11/10/25 14:40 | | rubina | OK |
| 34 | CCV3 | CCV3 | CCV | 11/10/25 14:40 | | rubina | OK |
| 35 | CCB3 | CCB3 | CCB | 11/10/25 14:47 | | rubina | OK |
| 36 | Q3586-02 | SED-2 | SAM | 11/10/25 14:47 | | rubina | OK |
| 37 | Q3586-03 | SED-3 | SAM | 11/10/25 14:47 | | rubina | OK |
| 38 | Q3587-01 | NB-08-110725 | SAM | 11/10/25 14:47 | | rubina | OK |

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**Instrument ID:** KONELAB

## Daily Analysis Runlog For Sequence/QCBatch ID # LB137840

| | | | |
|---|---|---|---|
| Review By | rubina | Review On | 11/11/2025 12:55:24 PM |
| Supervise By | Iwona | Supervise On | 11/11/2025 2:08:01 PM |
| SubDirectory | LB137840 | Test | Cyanide |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | WP115577,WP115578,WP115579,WP115580,WP115581,WP115582,WP115583 |
| ICV Standard | W3012 |
| CCV Standard | WP115578 |
| ICSA Standard | N/A |
| CRI Standard | N/A |
| LCS Standard | WP113838 |
| Chk Standard | WP115157,WP114324,WP115585 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 39 | Q3588-01 | TR-06-11072025 | SAM | 11/10/25 14:47 | | rubina | OK |
| 40 | Q3588-03 | TR-01-11072025 | SAM | 11/10/25 14:47 | | rubina | OK |
| 41 | Q3586-01 | SED-1 | SAM | 11/10/25 14:47 | | rubina | OK |
| 42 | Q3582-04 | RT4912 | SAM | 11/10/25 15:00 | | rubina | OK |
| 43 | Q3583-04 | CHRT27080 | SAM | 11/10/25 15:05 | | rubina | OK |
| 44 | CCV4 | CCV4 | CCV | 11/10/25 15:05 | | rubina | OK |
| 45 | CCB4 | CCB4 | CCB | 11/10/25 15:05 | | rubina | OK |

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q3586 | **OrderDate:** | 11/7/2025 3:20:00 PM |
| **Client:** | Remington & Vernick Engineers | **Project:** | Edison Landfill |
| **Contact:** | Kyle Carlson | **Location:** | D31 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q3586-01** | **SED-1** | **SOIL** | | | **11/06/25 14:15** | | | **11/07/25** |
| | | | Cyanide | 9012B | | 11/10/25 | 11/10/25 14:47 | |
| | | | Hexavalent Chromium | 7196A | | 11/10/25 | 11/10/25 12:45 | |
| **Q3586-02** | **SED-2** | **SOIL** | | | **11/06/25 12:40** | | | **11/07/25** |
| | | | Cyanide | 9012B | | 11/10/25 | 11/10/25 14:47 | |
| | | | Hexavalent Chromium | 7196A | | 11/10/25 | 11/10/25 12:46 | |
| **Q3586-03** | **SED-3** | **SOIL** | | | **11/06/25 11:55** | | | **11/07/25** |
| | | | Cyanide | 9012B | | 11/10/25 | 11/10/25 14:47 | |
| | | | Hexavalent Chromium | 7196A | | 11/10/25 | 11/10/25 12:46 | |

Alliance TECHNICAL GROUP

# Soil/Sludge Hexavalent Chromium Preparation Sheet

PB170464

11

**SOP ID :** M3060A,7196A-Hex.Chromium-27

**SDG No :** N/A

**Matrix :** SOIL

**Pippete ID :** WC

**Balance ID :** WC SC-7

**Hood ID :** HOOD#3

**Block ID :** WC S-2, WC S-1

**Weigh By :** RM

**Start Digest Date:** 11/10/2025 **Time :** 09:10 **Temp :** 90 °C

**End Digest Date:** 11/10/2025 **Time :** 10:10 **Temp :** 93 °C

11 batch 11/10/2025 10.50 90c JR
11/10/2025 11.50 95c

**Digestion tube ID :** M6054

**Filter paper ID :** 400213

**pH Meter ID :** WC pH meter-1

**Block Thermometer ID :** WC-Block#1

**Prep Technician Signature:** RM

**Supervisor Signature:** 12

| 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 | 5.0ML | WP115410 |
| HEX. DIGESTION SOLN. | 50.0ML | WP115338 |
| 5M HNO3 | 5-7ML | WP115339 |
| 5N H2SO4 | 1-3ML | WP115340 |
| N/A | N/A | N/A |
| 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 | WP115586 |
| CAL3 | CAL3 | 0.5ML | WP115586 |
| CAL4 | CAL4 | 1ML | WP115586 |
| 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 |

**Extraction Conformance/Non-Conformance Comments:**

11/10/2025 RM

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

**PB170464**

| Lab Sample ID | Client Sample ID | Initial Weight (g) | Final Vol (ml) | pH | Sulfide | Oxidizing | Nitrate/ Nitrite | Comment | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|
| PB170464BL | PBS464 | 2.50 | 100 | N/A | N/A | N/A | N/A | N/A | N/A |
| PB170464BS | LCS464 | 2.50 | 100 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3530-03 | MDL-SOIL-03-QT4-2025 | 2.50 | 100 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3562-01 | EO-03-110625 | 2.53 | 100 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3562-01DUP | EO-03-110625DUP | 2.54 | 100 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3562-01MSPre | EO-03-110625MSPRE | 2.53 | 100 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3562-01MS2Ins | EO-03-110625MS2INS | 2.55 | 100 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3562-01MS3Post | EO-03-110625MS3POST | 2.51 | 100 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3564-01 | OR-03-11062025 | 2.57 | 100 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3577-01 | WC-1A | 2.57 | 100 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3580-01 | 346 | 2.53 | 100 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3581-01 | VNJ-238 | 2.56 | 100 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3581-03 | VNJ-245 | 2.52 | 100 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3581-05 | VNJ-240 | 2.56 | 100 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3581-07 | RBR200059 | 2.54 | 100 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3582-04 | RT4912 | 2.53 | 100 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3583-04 | CHRT27080 | 2.54 | 100 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3586-01 | SED-1 | 2.57 | 100 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3586-02 | SED-2 | 2.51 | 100 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3586-03 | SED-3 | 2.53 | 100 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3587-01 | NB-08-110725 | 2.53 | 100 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3588-01 | TR-06-11072025 | 2.54 | 100 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3588-03 | TR-01-11072025 | 2.54 | 100 | N/A | N/A | N/A | N/A | N/A | N/A |

Alliance TECHNICAL GROUP

# Soil/Sludge Cyanide Preparation Sheet

PB170470

**SOP ID :** M9012B-Total, Amenable and Reactive Cyanide-21

**SDG No :** N/A

**Matrix :** SOIL

**Pippete ID :** WC

**Balance ID :** WC SC-7

**Hood ID :** HOOD#1

**Block ID :** MC-1,MC-2

**Weigh By :** JP

**Start Digest Date:** 11/10/2025 **Time :** 08:15 **Temp :** 124 °C

**End Digest Date:** 11/10/2025 **Time :** 09:45 **Temp :** 126 °C

10.15 11.45 124 127

**Digestion tube ID :** M5595

**Filter paper ID :** N/A

**pH Meter ID :** N/A

**Block Thermometer ID :** WC CYANIDE

**Prep Technician Signature:** JP

**Supervisor Signature:** 12

| 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 | WP115334 |
| 51% w/v MgCL2 | 2.0ML | WP115335 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| 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 | 0.5ML | W3012 |
| 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 | 5.0ML | WP113837 |
| LOWSTD | LOWSTD | 0.1ML | WP113837 |

**Extraction Conformance/Non-Conformance Comments:**

N/A

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 11/10/2025 11.55 | JP /WC | RM (WC) |
| | Preparation Group | Analysis Group |

Alliance TECHNICAL GROUP

## Soil/Sludge Cyanide Preparation Sheet

**PB170470**

| Lab Sample ID | Client Sample ID | Initial Weight (g) | Final Vol (ml) | pH | Sulfide | Oxidizing | Nitrate/ Nitrite | Comment | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|
| PB170470BL | PBS470 | 1.00 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| PB170470BS | LCS470 | 1.00 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3580-01DUP | 346DUP | 1.01 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3580-01MS | 346MS | 1.02 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3580-01MSD | 346MSD | 1.01 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3580-01 | 346 | 1.01 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3582-04 | RT4912 | 1.04 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3583-04 | CHRT27080 | 1.01 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3586-01 | SED-1 | 1.03 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3586-02 | SED-2 | 1.01 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3586-03 | SED-3 | 1.02 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3587-01 | NB-08-110725 | 1.01 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3588-01 | TR-06-11072025 | 1.03 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q3588-03 | TR-01-11072025 | 1.03 | 50 | 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. Q3586
QUOTE NO.
COC Number 2046943

## CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Remington + Vernick Engineers
ADDRESS: 2059 Springdale Rd
CITY Cherry Hill STATE: NJ ZIP: 08003
ATTENTION: Kyle.Carlson@rve.com
PHONE: 609-682-3019 FAX:

## CLIENT PROJECT INFORMATION

PROJECT NAME: Edison Landfill
PROJECT NO.: 1205T007 LOCATION: Edison, NJ
PROJECT MANAGER: Leslie Hartzell
e-mail: Leslie.Hartzell@rve.com
PHONE: 610-663-4665 FAX:

## CLIENT BILLING INFORMATION

BILL TO: APinvoices@rve.com PO#: 1205T007
ADDRESS: 2059 Springdale Rd
CITY Cherry Hill STATE: NJ ZIP: 08003
ATTENTION: Leslie Hartzell PHONE: 610-663-4665

## DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): Standard 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 ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data) ☐ Other _____
☑ EDD FORMAT NJ HazSite

## ANALYSIS

1 TCL/TAL+30
2 EPH
3 Hex Chrome
4 PH MERCAS SVOCs Metals
5 VOCs
6 % Solids
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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | E | E | E | E | F | F | | | | ← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER |
| 1. | SED-1 | S | | X | 11/6/25 | 14:15 | 13 | 6 | 1 | 1 | 1 | 3 | 1 | | | | Methanol, DI water |
| 2. | SED-2 | S | | X | 11/6/25 | 12:40 | 13 | 6 | 1 | 1 | 1 | 3 | 1 | | | | Methanol, DI water |
| 3. | SED-3 | S | | X | 11/6/25 | 11:55 | 13 | 6 | 1 | 1 | 1 | 3 | 1 | | | | Methanol, DI Water |
| 4. | | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

## SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

| RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY: |
|---|---|---|
| 1. Arina Maier | 11/7/25 (10:00) | 1. |
| 2. | 11-7-25 1425 | 2. JT |
| 3. JT | 11·7·25 1720 | 3. |

Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.5 + 0 = 3.5 °C
Comments:

Page 1 of 1
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

# Laboratory Certification

| Certified By | License No. |
|---|---|
| | |
| Connecticut | PH-0830 |
| | |
| DOD ELAP (ANAB) | L2219 |
| | |
| Maine | 2024021 |
| | |
| Maryland | 296 |
| | |
| New Hampshire | 255425 |
| | |
| 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



# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** Q3586 REMI02
**Client Name :** Remington & Vernick Engi
**Client Contact :** Kyle Carlson
**Invoice Name :** Remington & Vernick Engi
**Invoice Contact :** Kyle Carlson

**Order Date :** 11/7/2025 3:20:00 PM
**Project Name :** Edison Landfill
**Receive DateTime :** 11/7/2025 ~~12:00:00 AM~~ 17:20
**Purchase Order :**

**Project Mgr :**
**Report Type :** NJ Reduced
**EDD Type :** Excel NJ
**Hard Copy Date :**
**Date Signoff :**

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|
| Q3586-01 | SED-1 | Solid | 11/06/2025 | 14:15 | | | | | |
| | | | | | VOC-TCLVOA-10 | TCL+30/TAL | 8260D | | 10 Bus. Days |
| Q3586-02 | SED-2 | Solid | 11/06/2025 | 12:40 | | | | | |
| | | | | | VOC-TCLVOA-10 | TCL+30/TAL | 8260D | | 10 Bus. Days |
| Q3586-03 | SED-3 | Solid | 11/06/2025 | 11:55 | | | | | |
| | | | | | VOC-TCLVOA-10 | TCL+30/TAL | 8260D | | 10 Bus. Days |

Stored in VOA FRZ #02 & Ref # 06

**Relinguished By :**
**Date / Time :** 11/10/25 12:35

**Received By :**
**Date / Time :** 11/10/25 10:35

**Storage Area :** VOA Refridgerator Room