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# DATA PACKAGE

METALS
GC SEMI-VOLATILES
VOLATILE ORGANICS

**PROJECT NAME : CAPRA**

**G ENVIRONMENTAL**

**8 Carriage Ln**

**Succasunna, NJ - 07876**

**Phone No: 973-294-1771**

**ORDER ID : Q2503**

**ATTENTION : Gary Landis**

**Laboratory Certification ID # 20012**

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# Cover Page

**Order ID :** Q2503

**Project ID :** Capra

**Client :** G Environmental

| Lab Sample Number | Client Sample Number |
|---|---|
| Q2503-01 | GCAP2W |
| Q2503-02 | GCAP3W |
| Q2503-03 | GCAP2 |
| Q2503-04 | GCAP3 |
| Q2503-05 | GCAP2A |

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

Signature : _____

Date: 7/18/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**G Environmental**
**Project Name: Capra**
**Project # N/A**
**Order ID # Q2503**
**Test Name: VOC-TCLVOA-10**

**A. Number of Samples and Date of Receipt:**
2 Solid samples were received on 07/03/2025.
2 Water samples were received on 07/03/2025.

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

**C. Analytical Techniques:**
The analysis performed on instrument MSVOA_W were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis of VOC-TCLVOA-10 was based on method 8260D.

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

The RPD met criteria.

The Blank Spike for {VX0715MBS01} with File ID: VX047007.D met requirements for all samples except for 2-Butanone[140%], 2-Hexanone[145%], 4-Methyl-2-Pentanone[139%] and Methyl Acetate[155%] are failing high but no positive hit in associate sample therefore no corrective action taken.
The Blank Spike Duplicate met requirements for all samples .

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

The %RSD is greater than 20% in the Initial Calibration method (82W063025S.M) for Methylene Chloride passing on Quadratic Regression.

The Continuous Calibration File ID VX046988.D met the requirements except for 1,2-Dibromo-3-Chloropropane,2-Butanone,2-Hexanone,4-Methyl-2-Pentanone,Methyl

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Acetate and Methyl tert-butyl Ether are failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

Samples GCAP2, GCAP3 were diluted due to high concentrations.

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

The Sample # GCAP2ME have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

Trip Blank was not provided with this set of samples.

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

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

---

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# CASE NARRATIVE

**G Environmental**
**Project Name: Capra**
**Project # N/A**
**Order ID # Q2503**
**Test Name: EPH_NF**

**A. Number of Samples and Date of Receipt:**
3 Solid samples were received on 07/03/2025.
2 Water samples were received on 07/03/2025.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: EPH_NF, Mercury, Metals ICP-TAL, VOC-PP, VOC-PP VOA + 15, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for EPH_NF.

**C. Analytical Techniques:**
The analysis were performed on instrument FID_E. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.The analysis were performed on instrument FID_G. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302.The analysis of EPH_NFs was based on method NJEPH and extraction was done based on method 3541.

**D. QA/ QC Samples:**

The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.

The MS {Q2515-01MS} with File ID: FG016232.D recoveries met the requirements for all compounds except for Aliphatic [n-Decane (C10) -153%],[n-Octatriacontane (C38) -151%],[n-Tetracontane (C40) -144%] due to matrix interference.

The MSD {Q2515-01MSD} with File ID: FG016233.D recoveries met the requirements for all compoundsexcept for Aliphatic [n-Decane (C10) -152%],[n-Octatriacontane (C38) -145%],[n-Tetracontane (C40) -148%] due to matrix interference.

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

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**E. Additional Comments:**

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

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

---

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# CASE NARRATIVE

**G Environmental**
**Project Name: Capra**
**Project # N/A**
**Order ID # Q2503**
**Test Name: Mercury,Metals ICP-TAL**

**A. Number of Samples and Date of Receipt:**
3 Solid samples were received on 07/03/2025.
2 Water samples were received on 07/03/2025.

**B. Parameters:**
According to the Chain of Custody document, the following analyses were requested: EPH_NF, Mercury, Metals ICP-TAL, VOC-PP, VOC-PP VOA + 15, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for Mercury,Metals ICP-TAL.

**C. Analytical Techniques:**
The analysis of Metals ICP-TAL was based on method 6010D, digestion based on method 3050 (soils) and 3010 (waters).The analysis and digestion of Mercury was based on method 7470A. The analysis and digestion of Mercury was based on method 7471B.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
Sample GCAP2W was diluted due to high concentrations for Mercury & Sample GCAP2A was diluted due to high concentrations for Mercury.
The Blank Spike met requirements for all compounds.
The Duplicate (WC-1DUP) analysis met criteria for all compounds except for Lead due to sample matrix interference. The Duplicate (WC-1MSD) analysis met criteria for all compounds except for Manganese and Vanadium due to Chemical Interference during Digestion Process.
The Matrix Spike (AUD-25-0110-0111MS) analysis met criteria for all compounds except for Mercury due to sample matrix interference. The Matrix Spike (WATER TREATMENT DISCHARGEMS) analysis met criteria for all compounds except for Manganese due to Chemical Interference during Digestion Process. The Matrix Spike (WC-1MS) analysis met criteria for all compounds except for Antimony, Beryllium, Cobalt, Copper, Selenium, Silver, Sodium and Vanadium due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (AUD-25-0110-0111MSD) analysis met criteria for all compounds except for Mercury due to sample matrix interference. The Matrix Spike Duplicate (WATER TREATMENT DISCHARGEMSD) analysis met criteria for all compounds except for Manganese due to Chemical Interference during Digestion Process. The Matrix Spike Duplicate (WC-1MSD) analysis met criteria for all

compounds except for Antimony, Cobalt, Copper, Selenium, Silver, Sodium and Vanadium due to Chemical Interference during Digestion Process.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution (WC-1L) met criteria for all compounds except for Iron, Magnesium and Manganese due to sample matrix interference.

**E. Additional Comments:**
The Post Digest Spike (WC-1A) analysis met criteria for all compounds except for Antimony, Copper, Selenium, Silver, 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.

In analytical sequence LB136407, The Results was outside of acceptance limit for Aluminum of CCB03 but no any sample associated under this CCB.
In analytical sequence LB136407, The Results was outside of acceptance limit for Silver of CCB04 and CCB05 but no any sample associated under these CCBs.
In analytical sequence LB136434, The Results was outside of acceptance limit for Silver of CCB08 but no any sample associated under this CCB.

Sample Q2503-01 Water analyzed straight 5X Dilution because highly contaminated matrix and to avoid damage to instrument.

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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 #:** Q2503

| | 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:** 07/18/2025

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q2503

**Client:** G Environmental

| Sample ID | Client ID | Matrix | Parameter | | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID:** | **GCAP2W** | | | | | | | | |
| Q2503-01 | GCAP2W | Water | Chloromethane | | 2.50 | J | 0.32 | 5.00 | ug/L |
| Q2503-01 | GCAP2W | Water | Cyclohexane | | 1.90 | J | 1.50 | 5.00 | ug/L |
| Q2503-01 | GCAP2W | Water | Methylcyclohexane | | 2.00 | J | 0.16 | 5.00 | ug/L |
| Q2503-01 | GCAP2W | Water | Toluene | | 0.48 | J | 0.14 | 5.00 | ug/L |
| | | | **Total Voc :** | | 6.88 | | | | |
| | | | **Total Concentration:** | | 6.88 | | | | |
| **Client ID:** | **GCAP3W** | | | | | | | | |
| Q2503-02 | GCAP3W | Water | Chloromethane | | 0.50 | J | 0.32 | 5.00 | ug/L |
| Q2503-02 | GCAP3W | Water | Cyclohexane | | 14.1 | | 1.50 | 5.00 | ug/L |
| Q2503-02 | GCAP3W | Water | Methylcyclohexane | | 48.9 | | 0.16 | 5.00 | ug/L |
| Q2503-02 | GCAP3W | Water | Toluene | | 0.38 | J | 0.14 | 5.00 | ug/L |
| Q2503-02 | GCAP3W | Water | Isopropylbenzene | | 0.74 | J | 0.12 | 5.00 | ug/L |
| | | | **Total Voc :** | | 64.6 | | | | |
| Q2503-02 | GCAP3W | Water | Butane, 2,3-dimethyl- | * | 8.10 | J | 0 | 0 | ug/L |
| Q2503-02 | GCAP3W | Water | Pentane, 3-methyl- | * | 25.4 | J | 0 | 0 | ug/L |
| Q2503-02 | GCAP3W | Water | Cyclopentane, methyl- | * | 45.1 | J | 0 | 0 | ug/L |
| Q2503-02 | GCAP3W | Water | Pentane, 2-methyl- | * | 29.4 | J | 0 | 0 | ug/L |
| Q2503-02 | GCAP3W | Water | Cyclohexane, 1,2-dimethyl- (ci | * | 9.00 | J | 0 | 0 | ug/L |
| Q2503-02 | GCAP3W | Water | Hexane, 3-methyl- | * | 33.9 | J | 0 | 0 | ug/L |
| Q2503-02 | GCAP3W | Water | Isopropylcyclobutane | * | 26.0 | J | 0 | 0 | ug/L |
| Q2503-02 | GCAP3W | Water | Cyclopentane, ethyl- | * | 9.00 | J | 0 | 0 | ug/L |
| Q2503-02 | GCAP3W | Water | Cyclohexane, ethyl- | * | 6.50 | J | 0 | 0 | ug/L |
| Q2503-02 | GCAP3W | Water | Benzene, 2-ethyl-1,4-dimethyl- | * | 6.40 | J | 0 | 0 | ug/L |
| Q2503-02 | GCAP3W | Water | Cyclopentane, 1,3-dimethyl-, tr | * | 40.0 | J | 0 | 0 | ug/L |
| Q2503-02 | GCAP3W | Water | Cyclohexane, 1,3-dimethyl-, tra | * | 6.20 | J | 0 | 0 | ug/L |
| Q2503-02 | GCAP3W | Water | Cyclopentane, 1,3-dimethyl- | * | 20.7 | J | 0 | 0 | ug/L |
| Q2503-02 | GCAP3W | Water | Cyclopentane, 1,2,3-trimethyl-, | * | 10.6 | J | 0 | 0 | ug/L |
| Q2503-02 | GCAP3W | Water | Cyclopentane, 1,2,4-trimethyl-, | * | 6.20 | J | 0 | 0 | ug/L |
| Q2503-02 | GCAP3W | Water | n-propylbenzene | * | 2.00 | J | 0.13 | 5.00 | ug/L |
| Q2503-02 | GCAP3W | Water | sec-Butylbenzene | * | 0.61 | J | 0.13 | 5.00 | ug/L |
| Q2503-02 | GCAP3W | Water | n-Butylbenzene | * | 0.95 | J | 0.15 | 5.00 | ug/L |
| | | | **Total Tics :** | | 286 | | | | |
| | | | **Total Concentration:** | | 351 | | | | |
| **Client ID:** | **GCAP2** | | | | | | | | |
| Q2503-03 | GCAP2 | SOIL | Acetone | | 360 | | 6.90 | 36.3 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | Carbon Disulfide | | 3.20 | J | 1.50 | 7.30 | ug/Kg |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q2503

**Client:** G Environmental

| Sample ID | Client ID | Matrix | Parameter | | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| Q2503-03 | GCAP2 | SOIL | Cyclohexane | | 600 | E | 1.10 | 7.30 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | 2-Butanone | | 120 | | 9.50 | 36.3 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | Methylcyclohexane | | 990 | E | 1.30 | 7.30 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | Toluene | | 5.30 | J | 1.10 | 7.30 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | Ethyl Benzene | | 2.00 | J | 0.97 | 7.30 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | m/p-Xylenes | | 29.7 | | 1.80 | 14.5 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | o-Xylene | | 6.40 | J | 1.20 | 7.30 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | Isopropylbenzene | | 36.1 | | 1.10 | 7.30 | ug/Kg |
| | | | **Total Voc :** | | 2150 | | | | |
| Q2503-03 | GCAP2 | SOIL | Benzene, 1,2,4,5-tetramethyl- | * | 180 | J | 0 | 0 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | Cyclopentane, methyl- | * | 110 | J | 0 | 0 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | Cyclohexane, 1,2-dimethyl- (ci | * | 150 | J | 0 | 0 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | Benzene, 1-ethyl-2-methyl- | * | 63.0 | J | 0 | 0 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | Cyclopentane, 1,2-dimethyl-, tr | * | 270 | J | 0 | 0 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | Cyclopentane, ethyl- | * | 89.1 | J | 0 | 0 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | Cyclohexane, 1,4-dimethyl-, tra | * | 110 | J | 0 | 0 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | Cyclopentane, 1,3-dimethyl- | * | 230 | J | 0 | 0 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | Cyclopentane, 1,3-dimethyl-, ci | * | 290 | J | 0 | 0 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | Cyclohexane, 1,1,3-trimethyl- | * | 87.8 | J | 0 | 0 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | 1H-Indene, 2,3-dihydro-1,3-din | * | 89.6 | J | 0 | 0 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | Cyclohexane, 1,2-dimethyl-, tra | * | 120 | J | 0 | 0 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | Cyclopentane, 1,2,3-trimethyl-, | * | 130 | J | 0 | 0 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | Cyclopentane, 1,2,4-trimethyl-, | * | 77.2 | J | 0 | 0 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | Benzene, (1-methyl-1-butenyl)- | * | 69.9 | J | 0 | 0 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | n-propylbenzene | * | 54.7 | J | 1.10 | 7.30 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | 1,3,5-Trimethylbenzene | * | 23.6 | J | 1.20 | 7.30 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | 1,2,4-Trimethylbenzene | * | 53.0 | J | 0.93 | 7.30 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | sec-Butylbenzene | * | 7.80 | J | 0.96 | 7.30 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | p-Isopropyltoluene | * | 6.30 | J | 0.90 | 7.30 | ug/Kg |
| Q2503-03 | GCAP2 | SOIL | n-Butylbenzene | * | 4.80 | J | 2.10 | 7.30 | ug/Kg |
| | | | **Total Tics :** | | 2220 | | | | |
| | | | **Total Concentration:** | | 4370 | | | | |
| **Client ID:** | **GCAP2ME** | | | | | | | | |
| Q2503-03ME | GCAP2ME | SOIL | Cyclohexane | | 550 | D | 37.2 | 240 | ug/Kg |
| Q2503-03ME | GCAP2ME | SOIL | Methylcyclohexane | | 1200 | D | 42.8 | 240 | ug/Kg |
| Q2503-03ME | GCAP2ME | SOIL | m/p-Xylenes | | 83.4 | JD | 58.4 | 470 | ug/Kg |
| Q2503-03ME | GCAP2ME | SOIL | Isopropylbenzene | | 76.2 | JD | 36.7 | 240 | ug/Kg |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q2503

**Client:** G Environmental

| Sample ID | Client ID | Matrix | Parameter | | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| | | | **Total Voc :** | | 1910 | | | | |
| | | | **Total Concentration:** | | 1910 | | | | |
| **Client ID:** | **GCAP3** | | | | | | | | |
| Q2503-04 | GCAP3 | SOIL | Acetone | | 320 | | 7.10 | 37.7 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | Carbon Disulfide | | 7.00 | J | 1.60 | 7.50 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | Cyclohexane | | 1100 | E | 1.20 | 7.50 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | 2-Butanone | | 110 | | 9.90 | 37.7 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | Methylcyclohexane | | 2400 | E | 1.40 | 7.50 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | Toluene | | 12.9 | | 1.20 | 7.50 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | Ethyl Benzene | | 18.7 | | 1.00 | 7.50 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | m/p-Xylenes | | 200 | | 1.90 | 15.1 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | o-Xylene | | 36.0 | | 1.20 | 7.50 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | Isopropylbenzene | | 88.4 | | 1.20 | 7.50 | ug/Kg |
| | | | **Total Voc :** | | 4290 | | | | |
| Q2503-04 | GCAP3 | SOIL | Pentane, 3-methyl- | * | 43.4 | J | 0 | 0 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | Cyclopentane, methyl- | * | 96.5 | J | 0 | 0 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | Indane | * | 43.0 | J | 0 | 0 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | Cyclohexane, 1,2-dimethyl- (ci | * | 170 | J | 0 | 0 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | Cyclohexene, 1-methyl- | * | 50.5 | J | 0 | 0 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | Cyclopentane, 1,2-dimethyl-, tr | * | 350 | J | 0 | 0 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | Cyclobutane, (1-methylethylide | * | 110 | J | 0 | 0 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | Cyclopentane, ethyl- | * | 120 | J | 0 | 0 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | Cyclohexane, ethyl- | * | 59.7 | J | 0 | 0 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | Cyclopentane, 1,3-dimethyl-, tr | * | 270 | J | 0 | 0 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | Cyclohexane, 1,2-dimethyl-, cis | * | 58.3 | J | 0 | 0 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | Cyclopentane, 1,3-dimethyl- | * | 300 | J | 0 | 0 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | Cyclohexane, 1,2-dimethyl-, tra | * | 120 | J | 0 | 0 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | Cyclopentane, 1,2,3-trimethyl-, | * | 61.6 | J | 0 | 0 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | 1,4-Hexadiene, 2,3-dimethyl- | * | 160 | J | 0 | 0 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | n-propylbenzene | * | 140 | J | 1.10 | 7.50 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | 1,3,5-Trimethylbenzene | * | 180 | J | 1.20 | 7.50 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | tert-Butylbenzene | * | 2.90 | J | 1.00 | 7.50 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | 1,2,4-Trimethylbenzene | * | 500 | J | 0.96 | 7.50 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | sec-Butylbenzene | * | 7.10 | J | 0.99 | 7.50 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | p-Isopropyltoluene | * | 15.6 | J | 0.93 | 7.50 | ug/Kg |
| Q2503-04 | GCAP3 | SOIL | n-Butylbenzene | * | 2.40 | J | 2.20 | 7.50 | ug/Kg |
| | | | **Total Tics :** | | 2860 | | | | |

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Fax : 908 789 8922



# Hit Summary Sheet
**SW-846**

**SDG No.:** Q2503

**Client:** G Environmental

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| | | | **Total Concentration:** | 7150 | | | | |
| **Client ID:** | **GCAP3ME** | | | | | | | |
| Q2503-04ME | GCAP3ME | SOIL | Acetone | 570 | JD | 400 | 2100 | ug/Kg |
| Q2503-04ME | GCAP3ME | SOIL | Cyclohexane | 1500 | D | 67.1 | 420 | ug/Kg |
| Q2503-04ME | GCAP3ME | SOIL | Methylcyclohexane | 4000 | D | 77.2 | 420 | ug/Kg |
| Q2503-04ME | GCAP3ME | SOIL | Toluene | 190 | JD | 66.2 | 420 | ug/Kg |
| Q2503-04ME | GCAP3ME | SOIL | m/p-Xylenes | 470 | JD | 110 | 850 | ug/Kg |
| Q2503-04ME | GCAP3ME | SOIL | Isopropylbenzene | 120 | JD | 66.2 | 420 | ug/Kg |
| | | | **Total Voc :** | 6850 | | | | |
| | | | **Total Concentration:** | 6850 | | | | |

# SAMPLE DATA

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 07/02/25 |
| Project: | Capra | Date Received: | 07/03/25 |
| Client Sample ID: | GCAP2W | SDG No.: | Q2503 |
| Lab Sample ID: | Q2503-01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX046886.D | 1 | 07/03/25 14:37 | VX070325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.22 | U | 0.22 | 5.00 | ug/L |
| 74-87-3 | Chloromethane | 2.50 | J | 0.32 | 5.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.26 | U | 0.26 | 5.00 | ug/L |
| 74-83-9 | Bromomethane | 1.40 | U | 1.40 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.47 | U | 0.47 | 5.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.33 | U | 0.33 | 5.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.25 | U | 0.25 | 5.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.23 | U | 0.23 | 5.00 | ug/L |
| 67-64-1 | Acetone | 1.50 | U | 1.50 | 25.0 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.21 | U | 0.21 | 5.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.16 | U | 0.16 | 5.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.27 | U | 0.27 | 5.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.28 | U | 0.28 | 5.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.23 | U | 0.23 | 5.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.23 | U | 0.23 | 5.00 | ug/L |
| 110-82-7 | Cyclohexane | 1.90 | J | 1.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 0.98 | U | 0.98 | 25.0 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.25 | U | 0.25 | 5.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.19 | U | 0.19 | 5.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.22 | U | 0.22 | 5.00 | ug/L |
| 67-66-3 | Chloroform | 0.25 | U | 0.25 | 5.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.20 | U | 0.20 | 5.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 2.00 | J | 0.16 | 5.00 | ug/L |
| 71-43-2 | Benzene | 0.15 | U | 0.15 | 5.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.22 | U | 0.22 | 5.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.090 | U | 0.090 | 5.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.20 | U | 0.20 | 5.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.22 | U | 0.22 | 5.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.68 | U | 0.68 | 25.0 | ug/L |
| 108-88-3 | Toluene | 0.48 | J | 0.14 | 5.00 | ug/L |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 07/02/25 |
| Project: | Capra | Date Received: | 07/03/25 |
| Client Sample ID: | GCAP2W | SDG No.: | Q2503 |
| Lab Sample ID: | Q2503-01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX046886.D | 1 | 07/03/25 14:37 | VX070325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.17 | U | 0.17 | 5.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.16 | U | 0.16 | 5.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.21 | U | 0.21 | 5.00 | ug/L |
| 591-78-6 | 2-Hexanone | 0.89 | U | 0.89 | 25.0 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.18 | U | 0.18 | 5.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.15 | U | 0.15 | 5.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.23 | U | 0.23 | 5.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.12 | U | 0.12 | 5.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.13 | U | 0.13 | 5.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 0.24 | U | 0.24 | 10.0 | ug/L |
| 95-47-6 | o-Xylene | 0.12 | U | 0.12 | 5.00 | ug/L |
| 100-42-5 | Styrene | 0.15 | U | 0.15 | 5.00 | ug/L |
| 75-25-2 | Bromoform | 0.19 | U | 0.19 | 5.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.12 | U | 0.12 | 5.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.26 | U | 0.26 | 5.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.16 | U | 0.16 | 5.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.19 | U | 0.19 | 5.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.16 | U | 0.16 | 5.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.53 | U | 0.53 | 5.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.20 | U | 0.20 | 5.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.20 | U | 0.20 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 47.9 | | 74 - 125 | 96% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.0 | | 75 - 124 | 94% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.9 | | 86 - 113 | 100% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.1 | | 77 - 121 | 100% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 530000 | 5.562 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 893000 | 6.769 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 814000 | 10.055 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 408000 | 12.018 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 07/02/25 |
| Project: | Capra | Date Received: | 07/03/25 |
| Client Sample ID: | GCAP2W | SDG No.: | Q2503 |
| Lab Sample ID: | Q2503-01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX046886.D | 1 | 07/03/25 14:37 | VX070325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|

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

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

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 07/02/25 |
| Project: | Capra | Date Received: | 07/03/25 |
| Client Sample ID: | GCAP3W | SDG No.: | Q2503 |
| Lab Sample ID: | Q2503-02 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX046887.D | 1 | 07/03/25 14:58 | VX070325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.22 | U | 0.22 | 5.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | J | 0.32 | 5.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.26 | U | 0.26 | 5.00 | ug/L |
| 74-83-9 | Bromomethane | 1.40 | U | 1.40 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.47 | U | 0.47 | 5.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.33 | U | 0.33 | 5.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.25 | U | 0.25 | 5.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.23 | U | 0.23 | 5.00 | ug/L |
| 67-64-1 | Acetone | 1.50 | U | 1.50 | 25.0 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.21 | U | 0.21 | 5.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.16 | U | 0.16 | 5.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.27 | U | 0.27 | 5.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.28 | U | 0.28 | 5.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.23 | U | 0.23 | 5.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.23 | U | 0.23 | 5.00 | ug/L |
| 110-82-7 | Cyclohexane | 14.1 | | 1.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 0.98 | U | 0.98 | 25.0 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.25 | U | 0.25 | 5.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.19 | U | 0.19 | 5.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.22 | U | 0.22 | 5.00 | ug/L |
| 67-66-3 | Chloroform | 0.25 | U | 0.25 | 5.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.20 | U | 0.20 | 5.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 48.9 | | 0.16 | 5.00 | ug/L |
| 71-43-2 | Benzene | 0.15 | U | 0.15 | 5.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.22 | U | 0.22 | 5.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.090 | U | 0.090 | 5.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.20 | U | 0.20 | 5.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.22 | U | 0.22 | 5.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.68 | U | 0.68 | 25.0 | ug/L |
| 108-88-3 | Toluene | 0.38 | J | 0.14 | 5.00 | ug/L |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 07/02/25 |
| Project: | Capra | Date Received: | 07/03/25 |
| Client Sample ID: | GCAP3W | SDG No.: | Q2503 |
| Lab Sample ID: | Q2503-02 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX046887.D | 1 | 07/03/25 14:58 | VX070325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.17 | U | 0.17 | 5.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.16 | U | 0.16 | 5.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.21 | U | 0.21 | 5.00 | ug/L |
| 591-78-6 | 2-Hexanone | 0.89 | U | 0.89 | 25.0 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.18 | U | 0.18 | 5.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.15 | U | 0.15 | 5.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.23 | U | 0.23 | 5.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.12 | U | 0.12 | 5.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.13 | U | 0.13 | 5.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 0.24 | U | 0.24 | 10.0 | ug/L |
| 95-47-6 | o-Xylene | 0.12 | U | 0.12 | 5.00 | ug/L |
| 100-42-5 | Styrene | 0.15 | U | 0.15 | 5.00 | ug/L |
| 75-25-2 | Bromoform | 0.19 | U | 0.19 | 5.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.74 | J | 0.12 | 5.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.26 | U | 0.26 | 5.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.16 | U | 0.16 | 5.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.19 | U | 0.19 | 5.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.16 | U | 0.16 | 5.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.53 | U | 0.53 | 5.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.20 | U | 0.20 | 5.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.20 | U | 0.20 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 47.8 | | 74 - 125 | 96% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.3 | | 75 - 124 | 97% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.3 | | 86 - 113 | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 51.3 | | 77 - 121 | 103% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 552000 | 5.562 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 911000 | 6.769 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 828000 | 10.055 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 418000 | 12.018 | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | |

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 07/02/25 |
| Project: | Capra | Date Received: | 07/03/25 |
| Client Sample ID: | GCAP3W | SDG No.: | Q2503 |
| Lab Sample ID: | Q2503-02 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX046887.D | 1 | 07/03/25 14:58 | VX070325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 000079-29-8 | Butane, 2,3-dimethyl- | 8.10 | J | | 2.80 | ug/L |
| 000107-83-5 | Pentane, 2-methyl- | 29.4 | J | | 2.84 | ug/L |
| 000096-14-0 | Pentane, 3-methyl- | 25.4 | J | | 3.12 | ug/L |
| 000096-37-7 | Cyclopentane, methyl- | 45.1 | J | | 4.32 | ug/L |
| 000589-34-4 | Hexane, 3-methyl- | 33.9 | J | | 5.84 | ug/L |
| 001759-58-6 | Cyclopentane, 1,3-dimethyl-, trans | 40.0 | J | | 6.17 | ug/L |
| 002453-00-1 | Cyclopentane, 1,3-dimethyl- | 20.7 | J | | 6.27 | ug/L |
| 000872-56-0 | Isopropylcyclobutane | 26.0 | J | | 6.37 | ug/L |
| 001640-89-7 | Cyclopentane, ethyl- | 9.00 | J | | 7.66 | ug/L |
| 016883-48-0 | Cyclopentane, 1,2,4-trimethyl-, (1 | 6.20 | J | | 7.78 | ug/L |
| 015890-40-1 | Cyclopentane, 1,2,3-trimethyl-, (1 | 10.6 | J | | 7.96 | ug/L |
| 000583-57-3 | Cyclohexane, 1,2-dimethyl- (cis/tr | 9.00 | J | | 8.98 | ug/L |
| 002207-03-6 | Cyclohexane, 1,3-dimethyl-, trans- | 6.20 | J | | 9.10 | ug/L |
| 001678-91-7 | Cyclohexane, ethyl- | 6.50 | J | | 9.56 | ug/L |
| 103-65-1 | n-propylbenzene | 2.00 | J | | 11.3 | ug/L |
| 135-98-8 | sec-Butylbenzene | 0.61 | J | | 11.9 | ug/L |
| 104-51-8 | n-Butylbenzene | 0.95 | J | | 12.3 | ug/L |
| 001758-88-9 | Benzene, 2-ethyl-1,4-dimethyl- | 6.40 | J | | 12.6 | ug/L |

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: | G Environmental | Date Collected: | 07/02/25 |
| Project: | Capra | Date Received: | 07/03/25 |
| Client Sample ID: | GCAP2 | SDG No.: | Q2503 |
| Lab Sample ID: | Q2503-03 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 71.2 |
| Sample Wt/Vol: | 4.83 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VW031840.D | 1 | 07/14/25 11:16 | VW071425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1.70 | U | 1.70 | 7.30 | ug/Kg |
| 74-87-3 | Chloromethane | 1.70 | U | 1.70 | 7.30 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 1.10 | U | 1.10 | 7.30 | ug/Kg |
| 74-83-9 | Bromomethane | 1.60 | U | 1.60 | 7.30 | ug/Kg |
| 75-00-3 | Chloroethane | 1.80 | U | 1.80 | 7.30 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 1.80 | U | 1.80 | 7.30 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1.50 | U | 1.50 | 7.30 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 1.50 | U | 1.50 | 7.30 | ug/Kg |
| 67-64-1 | Acetone | 360 | | 6.90 | 36.3 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 3.20 | J | 1.50 | 7.30 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 1.10 | U | 1.10 | 7.30 | ug/Kg |
| 79-20-9 | Methyl Acetate | 2.20 | U | 2.20 | 7.30 | ug/Kg |
| 75-09-2 | Methylene Chloride | 5.10 | U | 5.10 | 14.5 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 1.30 | U | 1.30 | 7.30 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 1.20 | U | 1.20 | 7.30 | ug/Kg |
| 110-82-7 | Cyclohexane | 600 | E | 1.10 | 7.30 | ug/Kg |
| 78-93-3 | 2-Butanone | 120 | | 9.50 | 36.3 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 1.40 | U | 1.40 | 7.30 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 1.10 | U | 1.10 | 7.30 | ug/Kg |
| 74-97-5 | Bromochloromethane | 1.70 | U | 1.70 | 7.30 | ug/Kg |
| 67-66-3 | Chloroform | 1.20 | U | 1.20 | 7.30 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 1.40 | U | 1.40 | 7.30 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 990 | E | 1.30 | 7.30 | ug/Kg |
| 71-43-2 | Benzene | 1.10 | U | 1.10 | 7.30 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 1.10 | U | 1.10 | 7.30 | ug/Kg |
| 79-01-6 | Trichloroethene | 1.20 | U | 1.20 | 7.30 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 1.30 | U | 1.30 | 7.30 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 1.10 | U | 1.10 | 7.30 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 5.20 | U | 5.20 | 36.3 | ug/Kg |
| 108-88-3 | Toluene | 5.30 | J | 1.10 | 7.30 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 07/02/25 |
| Project: | Capra | Date Received: | 07/03/25 |
| Client Sample ID: | GCAP2 | SDG No.: | Q2503 |
| Lab Sample ID: | Q2503-03 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 71.2 |
| Sample Wt/Vol: | 4.83 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VW031840.D | 1 | 07/14/25 11:16 | VW071425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.95 | U | 0.95 | 7.30 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.90 | U | 0.90 | 7.30 | ug/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 1.30 | U | 1.30 | 7.30 | ug/Kg |
| 591-78-6 | 2-Hexanone | 5.40 | U | 5.40 | 36.3 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 1.30 | U | 1.30 | 7.30 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 1.30 | U | 1.30 | 7.30 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 1.50 | U | 1.50 | 7.30 | ug/Kg |
| 108-90-7 | Chlorobenzene | 1.30 | U | 1.30 | 7.30 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 2.00 | J | 0.97 | 7.30 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 29.7 | | 1.80 | 14.5 | ug/Kg |
| 95-47-6 | o-Xylene | 6.40 | J | 1.20 | 7.30 | ug/Kg |
| 100-42-5 | Styrene | 1.00 | U | 1.00 | 7.30 | ug/Kg |
| 75-25-2 | Bromoform | 1.30 | U | 1.30 | 7.30 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 36.1 | | 1.10 | 7.30 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.80 | U | 1.80 | 7.30 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 2.50 | U | 2.50 | 7.30 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 2.30 | U | 2.30 | 7.30 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 2.10 | U | 2.10 | 7.30 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 2.70 | U | 2.70 | 7.30 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 4.30 | U | 4.30 | 7.30 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 4.60 | U | 4.60 | 7.30 | ug/Kg |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 40.2 | | 63 - 155 | 80% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 43.2 | | 70 - 134 | 86% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 48.0 | | 74 - 123 | 96% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 38.0 | | 17 - 146 | 76% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 211000 | 7.959 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 390000 | 8.849 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 330000 | 11.629 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 124000 | 13.556 | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 07/02/25 |
| Project: | Capra | Date Received: | 07/03/25 |
| Client Sample ID: | GCAP2 | SDG No.: | Q2503 |
| Lab Sample ID: | Q2503-03 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 71.2 |
| Sample Wt/Vol: | 4.83 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VW031840.D | 1 | 07/14/25 11:16 | VW071425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 000096-37-7 | Cyclopentane, methyl- | 110 | J | | 7.00 | ug/Kg |
| 002532-58-3 | Cyclopentane, 1,3-dimethyl-, cis- | 290 | J | | 8.45 | ug/Kg |
| 002453-00-1 | Cyclopentane, 1,3-dimethyl- | 230 | J | | 8.51 | ug/Kg |
| 000822-50-4 | Cyclopentane, 1,2-dimethyl-, trans | 270 | J | | 8.59 | ug/Kg |
| 001640-89-7 | Cyclopentane, ethyl- | 89.1 | J | | 9.52 | ug/Kg |
| 016883-48-0 | Cyclopentane, 1,2,4-trimethyl-, (1 | 77.2 | J | | 9.61 | ug/Kg |
| 015890-40-1 | Cyclopentane, 1,2,3-trimethyl-, (1 | 130 | J | | 9.76 | ug/Kg |
| 000583-57-3 | Cyclohexane, 1,2-dimethyl- (cis/tr | 150 | J | | 10.5 | ug/Kg |
| 006876-23-9 | Cyclohexane, 1,2-dimethyl-, trans- | 120 | J | | 10.7 | ug/Kg |
| 002207-04-7 | Cyclohexane, 1,4-dimethyl-, trans- | 110 | J | | 10.8 | ug/Kg |
| 003073-66-3 | Cyclohexane, 1,1,3-trimethyl- | 87.8 | J | | 11.2 | ug/Kg |
| 103-65-1 | n-propylbenzene | 54.7 | J | | 12.8 | ug/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 23.6 | J | | 12.9 | ug/Kg |
| 000611-14-3 | Benzene, 1-ethyl-2-methyl- | 63.0 | J | | 13.1 | ug/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 53.0 | J | | 13.2 | ug/Kg |
| 135-98-8 | sec-Butylbenzene | 7.80 | J | | 13.4 | ug/Kg |
| 99-87-6 | p-Isopropyltoluene | 6.30 | J | | 13.5 | ug/Kg |
| 104-51-8 | n-Butylbenzene | 4.80 | J | | 13.8 | ug/Kg |
| 000095-93-2 | Benzene, 1,2,4,5-tetramethyl- | 180 | J | | 14.8 | ug/Kg |
| 053172-84-2 | Benzene, (1-methyl-1-butenyl)- | 69.9 | J | | 15.1 | ug/Kg |
| 004175-53-5 | 1H-Indene, 2,3-dihydro-1,3-dimethy | 89.6 | J | | 15.2 | 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: | G Environmental | Date Collected: | 07/02/25 |
| Project: | Capra | Date Received: | 07/03/25 |
| Client Sample ID: | GCAP2ME | SDG No.: | Q2503 |
| Lab Sample ID: | Q2503-03ME | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 71.2 |
| Sample Wt/Vol: | 7.46 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | 100 uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | MED |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047009.D | 1 | 07/15/25 17:49 | VX071525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 53.7 | UD | 53.7 | 240 | ug/Kg |
| 74-87-3 | Chloromethane | 53.7 | UD | 53.7 | 240 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 37.2 | UD | 37.2 | 240 | ug/Kg |
| 74-83-9 | Bromomethane | 50.4 | UD | 50.4 | 240 | ug/Kg |
| 75-00-3 | Chloroethane | 59.3 | UD | 59.3 | 240 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 57.0 | UD | 57.0 | 240 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 49.9 | UD | 49.9 | 240 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 47.1 | UD | 47.1 | 240 | ug/Kg |
| 67-64-1 | Acetone | 220 | UD | 220 | 1200 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 49.9 | UD | 49.9 | 240 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 34.4 | UD | 34.4 | 240 | ug/Kg |
| 79-20-9 | Methyl Acetate | 72.5 | UDQ | 72.5 | 240 | ug/Kg |
| 75-09-2 | Methylene Chloride | 170 | UD | 170 | 470 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 40.5 | UD | 40.5 | 240 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 37.7 | UD | 37.7 | 240 | ug/Kg |
| 110-82-7 | Cyclohexane | 550 | D | 37.2 | 240 | ug/Kg |
| 78-93-3 | 2-Butanone | 310 | UDQ | 310 | 1200 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 45.7 | UD | 45.7 | 240 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 35.3 | UD | 35.3 | 240 | ug/Kg |
| 74-97-5 | Bromochloromethane | 54.1 | UD | 54.1 | 240 | ug/Kg |
| 67-66-3 | Chloroform | 39.5 | UD | 39.5 | 240 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 43.8 | UD | 43.8 | 240 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 1200 | D | 42.8 | 240 | ug/Kg |
| 71-43-2 | Benzene | 37.2 | UD | 37.2 | 240 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 37.2 | UD | 37.2 | 240 | ug/Kg |
| 79-01-6 | Trichloroethene | 38.1 | UD | 38.1 | 240 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 42.8 | UD | 42.8 | 240 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 36.7 | UD | 36.7 | 240 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 170 | UDQ | 170 | 1200 | ug/Kg |
| 108-88-3 | Toluene | 36.7 | UD | 36.7 | 240 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 07/02/25 |
| Project: | Capra | Date Received: | 07/03/25 |
| Client Sample ID: | GCAP2ME | SDG No.: | Q2503 |
| Lab Sample ID: | Q2503-03ME | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 71.2 |
| Sample Wt/Vol: | 7.46 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | 100 uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | MED |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047009.D | 1 | 07/15/25 17:49 | VX071525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 30.6 | UD | 30.6 | 240 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 29.2 | UD | 29.2 | 240 | ug/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 43.3 | UD | 43.3 | 240 | ug/Kg |
| 591-78-6 | 2-Hexanone | 170 | UDQ | 170 | 1200 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 40.9 | UD | 40.9 | 240 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 41.4 | UD | 41.4 | 240 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 49.4 | UD | 49.4 | 240 | ug/Kg |
| 108-90-7 | Chlorobenzene | 42.8 | UD | 42.8 | 240 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 31.5 | UD | 31.5 | 240 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 83.4 | JD | 58.4 | 470 | ug/Kg |
| 95-47-6 | o-Xylene | 38.6 | UD | 38.6 | 240 | ug/Kg |
| 100-42-5 | Styrene | 33.4 | UD | 33.4 | 240 | ug/Kg |
| 75-25-2 | Bromoform | 40.5 | UD | 40.5 | 240 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 76.2 | JD | 36.7 | 240 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 57.0 | UD | 57.0 | 240 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 80.5 | UD | 80.5 | 240 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 73.4 | UD | 73.4 | 240 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 68.2 | UD | 68.2 | 240 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 86.6 | UD | 86.6 | 240 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 140 | UD | 140 | 240 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 150 | UD | 150 | 240 | ug/Kg |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 52.7 | | 63 - 155 | 105% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.6 | | 70 - 134 | 97% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 47.8 | | 74 - 123 | 96% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 51.6 | | 17 - 146 | 103% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 322000 | 5.556 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 539000 | 6.763 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 489000 | 10.055 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 251000 | 12.018 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 07/02/25 |
| Project: | Capra | Date Received: | 07/03/25 |
| Client Sample ID: | GCAP2ME | SDG No.: | Q2503 |
| Lab Sample ID: | Q2503-03ME | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 71.2 |
| Sample Wt/Vol: | 7.46 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | 100 uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | MED |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047009.D | 1 | 07/15/25 17:49 | VX071525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|

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

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

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 07/02/25 |
| Project: | Capra | Date Received: | 07/03/25 |
| Client Sample ID: | GCAP3 | SDG No.: | Q2503 |
| Lab Sample ID: | Q2503-04 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 65.6 |
| Sample Wt/Vol: | 5.06 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VW031841.D | 1 | 07/14/25 11:38 | VW071425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1.70 | U | 1.70 | 7.50 | ug/Kg |
| 74-87-3 | Chloromethane | 1.70 | U | 1.70 | 7.50 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 1.20 | U | 1.20 | 7.50 | ug/Kg |
| 74-83-9 | Bromomethane | 1.60 | U | 1.60 | 7.50 | ug/Kg |
| 75-00-3 | Chloroethane | 1.90 | U | 1.90 | 7.50 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 1.80 | U | 1.80 | 7.50 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1.60 | U | 1.60 | 7.50 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 1.50 | U | 1.50 | 7.50 | ug/Kg |
| 67-64-1 | Acetone | 320 | | 7.10 | 37.7 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 7.00 | J | 1.60 | 7.50 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 1.10 | U | 1.10 | 7.50 | ug/Kg |
| 79-20-9 | Methyl Acetate | 2.30 | U | 2.30 | 7.50 | ug/Kg |
| 75-09-2 | Methylene Chloride | 5.30 | U | 5.30 | 15.1 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 1.30 | U | 1.30 | 7.50 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 1.20 | U | 1.20 | 7.50 | ug/Kg |
| 110-82-7 | Cyclohexane | 1100 | E | 1.20 | 7.50 | ug/Kg |
| 78-93-3 | 2-Butanone | 110 | | 9.90 | 37.7 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 1.50 | U | 1.50 | 7.50 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 1.10 | U | 1.10 | 7.50 | ug/Kg |
| 74-97-5 | Bromochloromethane | 1.70 | U | 1.70 | 7.50 | ug/Kg |
| 67-66-3 | Chloroform | 1.30 | U | 1.30 | 7.50 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 1.40 | U | 1.40 | 7.50 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 2400 | E | 1.40 | 7.50 | ug/Kg |
| 71-43-2 | Benzene | 1.20 | U | 1.20 | 7.50 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 1.20 | U | 1.20 | 7.50 | ug/Kg |
| 79-01-6 | Trichloroethene | 1.20 | U | 1.20 | 7.50 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 1.40 | U | 1.40 | 7.50 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 1.20 | U | 1.20 | 7.50 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 5.40 | U | 5.40 | 37.7 | ug/Kg |
| 108-88-3 | Toluene | 12.9 | | 1.20 | 7.50 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 07/02/25 |
| Project: | Capra | Date Received: | 07/03/25 |
| Client Sample ID: | GCAP3 | SDG No.: | Q2503 |
| Lab Sample ID: | Q2503-04 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 65.6 |
| Sample Wt/Vol: | 5.06 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VW031841.D | 1 | 07/14/25 11:38 | VW071425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.98 | U | 0.98 | 7.50 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.93 | U | 0.93 | 7.50 | ug/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 1.40 | U | 1.40 | 7.50 | ug/Kg |
| 591-78-6 | 2-Hexanone | 5.60 | U | 5.60 | 37.7 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 1.30 | U | 1.30 | 7.50 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 1.30 | U | 1.30 | 7.50 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 1.60 | U | 1.60 | 7.50 | ug/Kg |
| 108-90-7 | Chlorobenzene | 1.40 | U | 1.40 | 7.50 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 18.7 | | 1.00 | 7.50 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 200 | | 1.90 | 15.1 | ug/Kg |
| 95-47-6 | o-Xylene | 36.0 | | 1.20 | 7.50 | ug/Kg |
| 100-42-5 | Styrene | 1.10 | U | 1.10 | 7.50 | ug/Kg |
| 75-25-2 | Bromoform | 1.30 | U | 1.30 | 7.50 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 88.4 | | 1.20 | 7.50 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.80 | U | 1.80 | 7.50 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 2.60 | U | 2.60 | 7.50 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 2.30 | U | 2.30 | 7.50 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 2.20 | U | 2.20 | 7.50 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 2.80 | U | 2.80 | 7.50 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 4.50 | U | 4.50 | 7.50 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 4.80 | U | 4.80 | 7.50 | ug/Kg |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 44.1 | | 63 - 155 | 88% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.6 | | 70 - 134 | 95% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.4 | | 74 - 123 | 103% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 39.9 | | 17 - 146 | 80% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 198000 | 7.965 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 378000 | 8.855 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 324000 | 11.629 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 117000 | 13.556 | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 07/02/25 |
| Project: | Capra | Date Received: | 07/03/25 |
| Client Sample ID: | GCAP3 | SDG No.: | Q2503 |
| Lab Sample ID: | Q2503-04 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 65.6 |
| Sample Wt/Vol: | 5.06 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VW031841.D | 1 | 07/14/25 11:38 | VW071425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 000096-14-0 | Pentane, 3-methyl- | 43.4 | J | | 5.48 | ug/Kg |
| 000096-37-7 | Cyclopentane, methyl- | 96.5 | J | | 7.01 | ug/Kg |
| 002453-00-1 | Cyclopentane, 1,3-dimethyl- | 300 | J | | 8.45 | ug/Kg |
| 001759-58-6 | Cyclopentane, 1,3-dimethyl-, trans | 270 | J | | 8.52 | ug/Kg |
| 000822-50-4 | Cyclopentane, 1,2-dimethyl-, trans | 350 | J | | 8.59 | ug/Kg |
| 001640-89-7 | Cyclopentane, ethyl- | 120 | J | | 9.53 | ug/Kg |
| 015890-40-1 | Cyclopentane, 1,2,3-trimethyl-, (1 | 61.6 | J | | 9.76 | ug/Kg |
| 001528-22-9 | Cyclobutane, (1-methylethylidene)- | 110 | J | | 9.86 | ug/Kg |
| 000591-49-1 | Cyclohexene, 1-methyl- | 50.5 | J | | 10.2 | ug/Kg |
| 000583-57-3 | Cyclohexane, 1,2-dimethyl- (cis/tr | 170 | J | | 10.5 | ug/Kg |
| 006876-23-9 | Cyclohexane, 1,2-dimethyl-, trans- | 120 | J | | 10.7 | ug/Kg |
| 018669-52-8 | 1,4-Hexadiene, 2,3-dimethyl- | 160 | J | | 10.8 | ug/Kg |
| 002207-01-4 | Cyclohexane, 1,2-dimethyl-, cis- | 58.3 | J | | 11.1 | ug/Kg |
| 001678-91-7 | Cyclohexane, ethyl- | 59.7 | J | | 11.2 | ug/Kg |
| 103-65-1 | n-propylbenzene | 140 | J | | 12.8 | ug/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 180 | J | | 12.9 | ug/Kg |
| 98-06-6 | tert-Butylbenzene | 2.90 | J | | 13.2 | ug/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 500 | J | | 13.2 | ug/Kg |
| 135-98-8 | sec-Butylbenzene | 7.10 | J | | 13.4 | ug/Kg |
| 99-87-6 | p-Isopropyltoluene | 15.6 | J | | 13.5 | ug/Kg |
| 000496-11-7 | Indane | 43.0 | J | | 13.8 | ug/Kg |
| 104-51-8 | n-Butylbenzene | 2.40 | J | | 13.8 | ug/Kg |

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

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

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 07/02/25 |
| Project: | Capra | Date Received: | 07/03/25 |
| Client Sample ID: | GCAP3ME | SDG No.: | Q2503 |
| Lab Sample ID: | Q2503-04ME | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 65.6 |
| Sample Wt/Vol: | 4.49 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | 100 uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | MED |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047010.D | 1 | 07/15/25 18:10 | VX071525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 96.8 | UD | 96.8 | 420 | ug/Kg |
| 74-87-3 | Chloromethane | 96.8 | UD | 96.8 | 420 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 67.1 | UD | 67.1 | 420 | ug/Kg |
| 74-83-9 | Bromomethane | 90.8 | UD | 90.8 | 420 | ug/Kg |
| 75-00-3 | Chloroethane | 110 | UD | 110 | 420 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 100 | UD | 100 | 420 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 90.0 | UD | 90.0 | 420 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 84.9 | UD | 84.9 | 420 | ug/Kg |
| 67-64-1 | Acetone | 570 | JD | 400 | 2100 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 90.0 | UD | 90.0 | 420 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 62.0 | UD | 62.0 | 420 | ug/Kg |
| 79-20-9 | Methyl Acetate | 130 | UDQ | 130 | 420 | ug/Kg |
| 75-09-2 | Methylene Chloride | 300 | UD | 300 | 850 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 73.0 | UD | 73.0 | 420 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 67.9 | UD | 67.9 | 420 | ug/Kg |
| 110-82-7 | Cyclohexane | 1500 | D | 67.1 | 420 | ug/Kg |
| 78-93-3 | 2-Butanone | 560 | UDQ | 560 | 2100 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 82.3 | UD | 82.3 | 420 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 63.7 | UD | 63.7 | 420 | ug/Kg |
| 74-97-5 | Bromochloromethane | 97.6 | UD | 97.6 | 420 | ug/Kg |
| 67-66-3 | Chloroform | 71.3 | UD | 71.3 | 420 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 78.9 | UD | 78.9 | 420 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 4000 | D | 77.2 | 420 | ug/Kg |
| 71-43-2 | Benzene | 67.1 | UD | 67.1 | 420 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 67.1 | UD | 67.1 | 420 | ug/Kg |
| 79-01-6 | Trichloroethene | 68.8 | UD | 68.8 | 420 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 77.2 | UD | 77.2 | 420 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 66.2 | UD | 66.2 | 420 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 300 | UDQ | 300 | 2100 | ug/Kg |
| 108-88-3 | Toluene | 190 | JD | 66.2 | 420 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 07/02/25 |
| Project: | Capra | Date Received: | 07/03/25 |
| Client Sample ID: | GCAP3ME | SDG No.: | Q2503 |
| Lab Sample ID: | Q2503-04ME | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 65.6 |
| Sample Wt/Vol: | 4.49 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | 100 uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | MED |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047010.D | 1 | 07/15/25 18:10 | VX071525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 55.2 | UD | 55.2 | 420 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 52.6 | UD | 52.6 | 420 | ug/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 78.1 | UD | 78.1 | 420 | ug/Kg |
| 591-78-6 | 2-Hexanone | 310 | UDQ | 310 | 2100 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 73.8 | UD | 73.8 | 420 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 74.7 | UD | 74.7 | 420 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 89.1 | UD | 89.1 | 420 | ug/Kg |
| 108-90-7 | Chlorobenzene | 77.2 | UD | 77.2 | 420 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 56.9 | UD | 56.9 | 420 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 470 | JD | 110 | 850 | ug/Kg |
| 95-47-6 | o-Xylene | 69.6 | UD | 69.6 | 420 | ug/Kg |
| 100-42-5 | Styrene | 60.3 | UD | 60.3 | 420 | ug/Kg |
| 75-25-2 | Bromoform | 73.0 | UD | 73.0 | 420 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 120 | JD | 66.2 | 420 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 100 | UD | 100 | 420 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 150 | UD | 150 | 420 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 130 | UD | 130 | 420 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 120 | UD | 120 | 420 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 160 | UD | 160 | 420 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 250 | UD | 250 | 420 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 270 | UD | 270 | 420 | ug/Kg |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 52.4 | | 63 - 155 | 105% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.1 | | 70 - 134 | 96% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 48.5 | | 74 - 123 | 97% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 51.6 | | 17 - 146 | 103% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 289000 | 5.556 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 485000 | 6.763 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 438000 | 10.055 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 225000 | 12.018 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 07/02/25 |
| Project: | Capra | Date Received: | 07/03/25 |
| Client Sample ID: | GCAP3ME | SDG No.: | Q2503 |
| Lab Sample ID: | Q2503-04ME | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 65.6 |
| Sample Wt/Vol: | 4.49 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | 100 uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | MED |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047010.D | 1 | 07/15/25 18:10 | VX071525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|

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

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

# QC SUMMARY

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Fax : 908 789 8922



## Surrogate Summary

**SDG No.:** Q2503

**Client:** G Environmental

**Analytical Method:** SW8260D

| Lab Sample ID | Client ID | Parameter | Spike | Result | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|
| Q2503-01 | GCAP2W | 1,2-Dichloroethane-d4 | 50 | 47.9 | 96 | | 74 | 125 |
| | | Dibromofluoromethane | 50 | 47.0 | 94 | | 75 | 124 |
| | | Toluene-d8 | 50 | 49.9 | 100 | | 86 | 113 |
| | | 4-Bromofluorobenzene | 50 | 50.1 | 100 | | 77 | 121 |
| Q2503-02 | GCAP3W | 1,2-Dichloroethane-d4 | 50 | 47.8 | 96 | | 74 | 125 |
| | | Dibromofluoromethane | 50 | 48.3 | 97 | | 75 | 124 |
| | | Toluene-d8 | 50 | 49.3 | 99 | | 86 | 113 |
| | | 4-Bromofluorobenzene | 50 | 51.3 | 103 | | 77 | 121 |
| Q2503-03 | GCAP2 | 1,2-Dichloroethane-d4 | 50 | 40.2 | 80 | | 63 | 155 |
| | | Dibromofluoromethane | 50 | 43.2 | 86 | | 70 | 134 |
| | | Toluene-d8 | 50 | 48.0 | 96 | | 74 | 123 |
| | | 4-Bromofluorobenzene | 50 | 38.0 | 76 | | 17 | 146 |
| Q2503-03ME | GCAP2ME | 1,2-Dichloroethane-d4 | 50 | 52.7 | 105 | | 63 | 155 |
| | | Dibromofluoromethane | 50 | 48.6 | 97 | | 70 | 134 |
| | | Toluene-d8 | 50 | 47.8 | 96 | | 74 | 123 |
| | | 4-Bromofluorobenzene | 50 | 51.6 | 103 | | 17 | 146 |
| Q2503-04 | GCAP3 | 1,2-Dichloroethane-d4 | 50 | 44.1 | 88 | | 63 | 155 |
| | | Dibromofluoromethane | 50 | 47.6 | 95 | | 70 | 134 |
| | | Toluene-d8 | 50 | 51.5 | 103 | | 74 | 123 |
| | | 4-Bromofluorobenzene | 50 | 39.9 | 80 | | 17 | 146 |
| Q2503-04ME | GCAP3ME | 1,2-Dichloroethane-d4 | 50 | 52.4 | 105 | | 63 | 155 |
| | | Dibromofluoromethane | 50 | 48.1 | 96 | | 70 | 134 |
| | | Toluene-d8 | 50 | 48.5 | 97 | | 74 | 123 |
| | | 4-Bromofluorobenzene | 50 | 51.5 | 103 | | 17 | 146 |
| VW0714SBL01 | VW0714SBL01 | 1,2-Dichloroethane-d4 | 50 | 48.0 | 96 | | 63 | 155 |
| | | Dibromofluoromethane | 50 | 47.1 | 94 | | 70 | 134 |
| | | Toluene-d8 | 50 | 44.9 | 90 | | 74 | 123 |
| | | 4-Bromofluorobenzene | 50 | 46.2 | 92 | | 17 | 146 |
| VW0714SBS01 | VW0714SBS01 | 1,2-Dichloroethane-d4 | 50 | 53.8 | 108 | | 63 | 155 |
| | | Dibromofluoromethane | 50 | 49.6 | 99 | | 70 | 134 |
| | | Toluene-d8 | 50 | 51.4 | 103 | | 74 | 123 |
| | | 4-Bromofluorobenzene | 50 | 52.3 | 105 | | 17 | 146 |
| VW0714SBSD0 | VW0714SBSD01 | 1,2-Dichloroethane-d4 | 50 | 55.2 | 110 | | 63 | 155 |
| | | Dibromofluoromethane | 50 | 51.7 | 103 | | 70 | 134 |
| | | Toluene-d8 | 50 | 50.5 | 101 | | 74 | 123 |
| | | 4-Bromofluorobenzene | 50 | 54.1 | 108 | | 17 | 146 |
| VX0715MBL01 | VX0715MBL01 | 1,2-Dichloroethane-d4 | 50 | 52.4 | 105 | | 63 | 155 |
| | | Dibromofluoromethane | 50 | 48.5 | 97 | | 70 | 134 |
| | | Toluene-d8 | 50 | 48.5 | 97 | | 74 | 123 |
| | | 4-Bromofluorobenzene | 50 | 52.2 | 104 | | 17 | 146 |
| VX0715MBS01 | VX0715MBS01 | 1,2-Dichloroethane-d4 | 50 | 53.9 | 108 | | 63 | 155 |
| | | Dibromofluoromethane | 50 | 50.2 | 100 | | 70 | 134 |
| | | Toluene-d8 | 50 | 48.5 | 97 | | 74 | 123 |
| | | 4-Bromofluorobenzene | 50 | 51.5 | 103 | | 17 | 146 |

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# Surrogate Summary

**SDG No.:** Q2503

**Client:** G Environmental

**Analytical Method:** SW8260-Low

| Lab Sample ID | Client ID | Parameter | Spike | Result | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|
| VX0703WBL01 | VX0703WBL01 | 1,2-Dichloroethane-d4 | 50 | 50.3 | 101 | | 74 | 125 |
| | | Dibromofluoromethane | 50 | 48.6 | 97 | | 75 | 124 |
| | | Toluene-d8 | 50 | 49.6 | 99 | | 86 | 113 |
| | | 4-Bromofluorobenzene | 50 | 50.6 | 101 | | 77 | 121 |
| VX0703WBS01 | VX0703WBS01 | 1,2-Dichloroethane-d4 | 50 | 49.9 | 100 | | 74 | 125 |
| | | Dibromofluoromethane | 50 | 49.1 | 98 | | 75 | 124 |
| | | Toluene-d8 | 50 | 49.6 | 99 | | 86 | 113 |
| | | 4-Bromofluorobenzene | 50 | 50.7 | 101 | | 77 | 121 |
| VX0703WBSD0 | VX0703WBSD01 | 1,2-Dichloroethane-d4 | 50 | 51.3 | 103 | | 74 | 125 |
| | | Dibromofluoromethane | 50 | 49.8 | 100 | | 75 | 124 |
| | | Toluene-d8 | 50 | 49.3 | 99 | | 86 | 113 |
| | | 4-Bromofluorobenzene | 50 | 51.1 | 102 | | 77 | 121 |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

**SDG No.:** Q2503 **Analytical Method:** SW8260D

**Client:** G Environmental **Datafile :** VW031838.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VW0714SBS01 | Dichlorodifluoromethane | 20 | 18.8 | ug/Kg | 94 | | | 64 | 136 | |
| | Chloromethane | 20 | 19.6 | ug/Kg | 98 | | | 52 | 151 | |
| | Vinyl chloride | 20 | 20.6 | ug/Kg | 103 | | | 56 | 148 | |
| | Bromomethane | 20 | 20.2 | ug/Kg | 101 | | | 58 | 141 | |
| | Chloroethane | 20 | 20.2 | ug/Kg | 101 | | | 69 | 130 | |
| | Trichlorofluoromethane | 20 | 16.8 | ug/Kg | 84 | | | 69 | 134 | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 19.5 | ug/Kg | 98 | | | 81 | 123 | |
| | 1,1-Dichloroethene | 20 | 20.5 | ug/Kg | 103 | | | 79 | 121 | |
| | Acetone | 100 | 87.1 | ug/Kg | 87 | | | 40 | 171 | |
| | Carbon disulfide | 20 | 18.7 | ug/Kg | 94 | | | 59 | 130 | |
| | Methyl tert-butyl Ether | 20 | 22.8 | ug/Kg | 114 | | | 77 | 129 | |
| | Methyl Acetate | 20 | 18.6 | ug/Kg | 93 | | | 69 | 149 | |
| | Methylene Chloride | 20 | 24.0 | ug/Kg | 120 | | | 72 | 131 | |
| | trans-1,2-Dichloroethene | 20 | 21.7 | ug/Kg | 109 | | | 80 | 123 | |
| | 1,1-Dichloroethane | 20 | 22.2 | ug/Kg | 111 | | | 82 | 123 | |
| | Cyclohexane | 20 | 19.7 | ug/Kg | 99 | | | 76 | 122 | |
| | 2-Butanone | 100 | 96.3 | ug/Kg | 96 | | | 69 | 131 | |
| | Carbon Tetrachloride | 20 | 17.9 | ug/Kg | 90 | | | 76 | 129 | |
| | cis-1,2-Dichloroethene | 20 | 22.3 | ug/Kg | 112 | | | 82 | 123 | |
| | Bromochloromethane | 20 | 21.9 | ug/Kg | 110 | | | 80 | 127 | |
| | Chloroform | 20 | 22.7 | ug/Kg | 114 | | | 82 | 125 | |
| | 1,1,1-Trichloroethane | 20 | 20.7 | ug/Kg | 104 | | | 80 | 126 | |
| | Methylcyclohexane | 20 | 18.4 | ug/Kg | 92 | | | 77 | 123 | |
| | Benzene | 20 | 20.9 | ug/Kg | 104 | | | 84 | 121 | |
| | 1,2-Dichloroethane | 20 | 20.4 | ug/Kg | 102 | | | 81 | 126 | |
| | Trichloroethene | 20 | 20.5 | ug/Kg | 103 | | | 83 | 122 | |
| | 1,2-Dichloropropane | 20 | 21.4 | ug/Kg | 107 | | | 83 | 122 | |
| | Bromodichloromethane | 20 | 20.8 | ug/Kg | 104 | | | 82 | 123 | |
| | 4-Methyl-2-Pentanone | 100 | 94.7 | ug/Kg | 95 | | | 70 | 135 | |
| | Toluene | 20 | 21.4 | ug/Kg | 107 | | | 83 | 122 | |
| | t-1,3-Dichloropropene | 20 | 20.4 | ug/Kg | 102 | | | 78 | 124 | |
| | cis-1,3-Dichloropropene | 20 | 21.0 | ug/Kg | 105 | | | 81 | 122 | |
| | 1,1,2-Trichloroethane | 20 | 20.8 | ug/Kg | 104 | | | 82 | 125 | |
| | 2-Hexanone | 100 | 95.7 | ug/Kg | 96 | | | 66 | 138 | |
| | Dibromochloromethane | 20 | 20.0 | ug/Kg | 100 | | | 79 | 125 | |
| | 1,2-Dibromoethane | 20 | 19.5 | ug/Kg | 98 | | | 80 | 125 | |
| | Tetrachloroethene | 20 | 17.7 | ug/Kg | 89 | | | 83 | 125 | |
| | Chlorobenzene | 20 | 20.3 | ug/Kg | 102 | | | 84 | 122 | |
| | Ethyl Benzene | 20 | 20.7 | ug/Kg | 104 | | | 82 | 124 | |
| | m/p-Xylenes | 40 | 41.6 | ug/Kg | 104 | | | 83 | 124 | |
| | o-Xylene | 20 | 21.2 | ug/Kg | 106 | | | 83 | 123 | |
| | Styrene | 20 | 21.5 | ug/Kg | 108 | | | 82 | 124 | |
| | Bromoform | 20 | 18.3 | ug/Kg | 92 | | | 75 | 127 | |
| | Isopropylbenzene | 20 | 21.0 | ug/Kg | 105 | | | 82 | 124 | |
| | 1,1,2,2-Tetrachloroethane | 20 | 20.8 | ug/Kg | 104 | | | 77 | 127 | |
| | 1,3-Dichlorobenzene | 20 | 20.5 | ug/Kg | 103 | | | 83 | 122 | |
| | 1,4-Dichlorobenzene | 20 | 21.6 | ug/Kg | 108 | | | 84 | 121 | |
| | 1,2-Dichlorobenzene | 20 | 21.6 | ug/Kg | 108 | | | 83 | 124 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

**SDG No.:** Q2503 **Analytical Method:** SW8260D

**Client:** G Environmental **Datafile :** VW031838.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VW0714SBS01 | 1,2-Dibromo-3-Chloropropane | 20 | 18.2 | ug/Kg | 91 | | | 66 | 134 | |
| | 1,2,4-Trichlorobenzene | 20 | 20.7 | ug/Kg | 104 | | | 78 | 127 | |
| | 1,2,3-Trichlorobenzene | 20 | 20.8 | ug/Kg | 104 | | | 70 | 137 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

**SDG No.:** Q2503 **Analytical Method:** SW8260D

**Client:** G Environmental **Datafile :** VW031839.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VW0714SBSD01 | Dichlorodifluoromethane | 20 | 16.9 | ug/Kg | 85 | 10 | | 64 | 136 | 20 |
| | Chloromethane | 20 | 19.7 | ug/Kg | 99 | 1 | | 52 | 151 | 20 |
| | Vinyl chloride | 20 | 20.0 | ug/Kg | 100 | 3 | | 56 | 148 | 20 |
| | Bromomethane | 20 | 20.4 | ug/Kg | 102 | 1 | | 58 | 141 | 20 |
| | Chloroethane | 20 | 20.1 | ug/Kg | 101 | 0 | | 69 | 130 | 20 |
| | Trichlorofluoromethane | 20 | 19.3 | ug/Kg | 97 | 14 | | 69 | 134 | 20 |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 19.6 | ug/Kg | 98 | 0 | | 81 | 123 | 20 |
| | 1,1-Dichloroethene | 20 | 20.0 | ug/Kg | 100 | 3 | | 79 | 121 | 20 |
| | Acetone | 100 | 99.3 | ug/Kg | 99 | 13 | | 40 | 171 | 20 |
| | Carbon disulfide | 20 | 18.5 | ug/Kg | 93 | 1 | | 59 | 130 | 20 |
| | Methyl tert-butyl Ether | 20 | 22.8 | ug/Kg | 114 | 0 | | 77 | 129 | 20 |
| | Methyl Acetate | 20 | 20.9 | ug/Kg | 104 | 11 | | 69 | 149 | 20 |
| | Methylene Chloride | 20 | 24.5 | ug/Kg | 123 | 2 | | 72 | 131 | 20 |
| | trans-1,2-Dichloroethene | 20 | 21.1 | ug/Kg | 106 | 3 | | 80 | 123 | 20 |
| | 1,1-Dichloroethane | 20 | 22.1 | ug/Kg | 111 | 0 | | 82 | 123 | 20 |
| | Cyclohexane | 20 | 19.8 | ug/Kg | 99 | 0 | | 76 | 122 | 20 |
| | 2-Butanone | 100 | 110 | ug/Kg | 110 | 14 | | 69 | 131 | 20 |
| | Carbon Tetrachloride | 20 | 18.5 | ug/Kg | 93 | 3 | | 76 | 129 | 20 |
| | cis-1,2-Dichloroethene | 20 | 22.4 | ug/Kg | 112 | 0 | | 82 | 123 | 20 |
| | Bromochloromethane | 20 | 22.9 | ug/Kg | 115 | 4 | | 80 | 127 | 20 |
| | Chloroform | 20 | 22.5 | ug/Kg | 113 | 1 | | 82 | 125 | 20 |
| | 1,1,1-Trichloroethane | 20 | 20.6 | ug/Kg | 103 | 1 | | 80 | 126 | 20 |
| | Methylcyclohexane | 20 | 18.1 | ug/Kg | 91 | 1 | | 77 | 123 | 20 |
| | Benzene | 20 | 20.9 | ug/Kg | 104 | 0 | | 84 | 121 | 20 |
| | 1,2-Dichloroethane | 20 | 20.6 | ug/Kg | 103 | 1 | | 81 | 126 | 20 |
| | Trichloroethene | 20 | 19.5 | ug/Kg | 98 | 5 | | 83 | 122 | 20 |
| | 1,2-Dichloropropane | 20 | 20.5 | ug/Kg | 103 | 4 | | 83 | 122 | 20 |
| | Bromodichloromethane | 20 | 20.8 | ug/Kg | 104 | 0 | | 82 | 123 | 20 |
| | 4-Methyl-2-Pentanone | 100 | 100 | ug/Kg | 100 | 5 | | 70 | 135 | 20 |
| | Toluene | 20 | 21.1 | ug/Kg | 106 | 1 | | 83 | 122 | 20 |
| | t-1,3-Dichloropropene | 20 | 21.0 | ug/Kg | 105 | 3 | | 78 | 124 | 20 |
| | cis-1,3-Dichloropropene | 20 | 21.0 | ug/Kg | 105 | 0 | | 81 | 122 | 20 |
| | 1,1,2-Trichloroethane | 20 | 21.0 | ug/Kg | 105 | 1 | | 82 | 125 | 20 |
| | 2-Hexanone | 100 | 110 | ug/Kg | 110 | 14 | | 66 | 138 | 20 |
| | Dibromochloromethane | 20 | 19.5 | ug/Kg | 98 | 2 | | 79 | 125 | 20 |
| | 1,2-Dibromoethane | 20 | 20.8 | ug/Kg | 104 | 6 | | 80 | 125 | 20 |
| | Tetrachloroethene | 20 | 17.3 | ug/Kg | 86 | 3 | | 83 | 125 | 20 |
| | Chlorobenzene | 20 | 19.7 | ug/Kg | 99 | 3 | | 84 | 122 | 20 |
| | Ethyl Benzene | 20 | 20.4 | ug/Kg | 102 | 2 | | 82 | 124 | 20 |
| | m/p-Xylenes | 40 | 39.8 | ug/Kg | 100 | 4 | | 83 | 124 | 20 |
| | o-Xylene | 20 | 20.5 | ug/Kg | 103 | 3 | | 83 | 123 | 20 |
| | Styrene | 20 | 20.4 | ug/Kg | 102 | 6 | | 82 | 124 | 20 |
| | Bromoform | 20 | 19.1 | ug/Kg | 96 | 4 | | 75 | 127 | 20 |
| | Isopropylbenzene | 20 | 20.4 | ug/Kg | 102 | 3 | | 82 | 124 | 20 |
| | 1,1,2,2-Tetrachloroethane | 20 | 20.8 | ug/Kg | 104 | 0 | | 77 | 127 | 20 |
| | 1,3-Dichlorobenzene | 20 | 20.3 | ug/Kg | 102 | 1 | | 83 | 122 | 20 |
| | 1,4-Dichlorobenzene | 20 | 20.2 | ug/Kg | 101 | 7 | | 84 | 121 | 20 |
| | 1,2-Dichlorobenzene | 20 | 20.8 | ug/Kg | 104 | 4 | | 83 | 124 | 20 |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

**SDG No.:** Q2503 **Analytical Method:** SW8260D

**Client:** G Environmental **Datafile :** VW031839.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VW0714SBSD01 | 1,2-Dibromo-3-Chloropropane | 20 | 19.2 | ug/Kg | 96 | 5 | | 66 | 134 | 20 |
| | 1,2,4-Trichlorobenzene | 20 | 19.8 | ug/Kg | 99 | 5 | | 78 | 127 | 20 |
| | 1,2,3-Trichlorobenzene | 20 | 19.2 | ug/Kg | 96 | 8 | | 70 | 137 | 20 |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2503 **Analytical Method:** SW8260-Low

**Client:** G Environmental **Datafile :** VX046873.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX0703WBS01 | Dichlorodifluoromethane | 20 | 18.7 | ug/L | 94 | | | 69 | 116 | |
| | Chloromethane | 20 | 19.0 | ug/L | 95 | | | 65 | 116 | |
| | Vinyl chloride | 20 | 18.7 | ug/L | 94 | | | 65 | 117 | |
| | Bromomethane | 20 | 20.5 | ug/L | 103 | | | 58 | 125 | |
| | Chloroethane | 20 | 18.2 | ug/L | 91 | | | 56 | 128 | |
| | Trichlorofluoromethane | 20 | 18.8 | ug/L | 94 | | | 73 | 115 | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 18.8 | ug/L | 94 | | | 80 | 112 | |
| | 1,1-Dichloroethene | 20 | 18.2 | ug/L | 91 | | | 74 | 110 | |
| | Acetone | 100 | 86.7 | ug/L | 87 | | | 60 | 125 | |
| | Carbon disulfide | 20 | 18.0 | ug/L | 90 | | | 64 | 112 | |
| | Methyl tert-butyl Ether | 20 | 18.9 | ug/L | 95 | | | 78 | 114 | |
| | Methyl Acetate | 20 | 19.3 | ug/L | 97 | | | 67 | 125 | |
| | Methylene Chloride | 20 | 18.5 | ug/L | 93 | | | 72 | 114 | |
| | trans-1,2-Dichloroethene | 20 | 19.2 | ug/L | 96 | | | 75 | 108 | |
| | 1,1-Dichloroethane | 20 | 19.0 | ug/L | 95 | | | 78 | 112 | |
| | Cyclohexane | 20 | 19.2 | ug/L | 96 | | | 75 | 110 | |
| | 2-Butanone | 100 | 93.1 | ug/L | 93 | | | 65 | 122 | |
| | Carbon Tetrachloride | 20 | 18.3 | ug/L | 92 | | | 77 | 113 | |
| | cis-1,2-Dichloroethene | 20 | 19.0 | ug/L | 95 | | | 77 | 110 | |
| | Bromochloromethane | 20 | 16.0 | ug/L | 80 | | | 70 | 124 | |
| | Chloroform | 20 | 19.1 | ug/L | 96 | | | 79 | 113 | |
| | 1,1,1-Trichloroethane | 20 | 18.8 | ug/L | 94 | | | 80 | 108 | |
| | Methylcyclohexane | 20 | 18.6 | ug/L | 93 | | | 72 | 115 | |
| | Benzene | 20 | 18.9 | ug/L | 95 | | | 82 | 109 | |
| | 1,2-Dichloroethane | 20 | 18.6 | ug/L | 93 | | | 80 | 115 | |
| | Trichloroethene | 20 | 18.4 | ug/L | 92 | | | 77 | 113 | |
| | 1,2-Dichloropropane | 20 | 18.6 | ug/L | 93 | | | 83 | 111 | |
| | Bromodichloromethane | 20 | 18.8 | ug/L | 94 | | | 83 | 110 | |
| | 4-Methyl-2-Pentanone | 100 | 95.2 | ug/L | 95 | | | 74 | 118 | |
| | Toluene | 20 | 19.1 | ug/L | 96 | | | 82 | 110 | |
| | t-1,3-Dichloropropene | 20 | 18.4 | ug/L | 92 | | | 79 | 110 | |
| | cis-1,3-Dichloropropene | 20 | 18.5 | ug/L | 93 | | | 82 | 110 | |
| | 1,1,2-Trichloroethane | 20 | 19.1 | ug/L | 96 | | | 83 | 112 | |
| | 2-Hexanone | 100 | 92.1 | ug/L | 92 | | | 73 | 117 | |
| | Dibromochloromethane | 20 | 18.6 | ug/L | 93 | | | 82 | 110 | |
| | 1,2-Dibromoethane | 20 | 18.6 | ug/L | 93 | | | 81 | 110 | |
| | Tetrachloroethene | 20 | 18.5 | ug/L | 93 | | | 67 | 123 | |
| | Chlorobenzene | 20 | 18.6 | ug/L | 93 | | | 82 | 109 | |
| | Ethyl Benzene | 20 | 18.9 | ug/L | 95 | | | 83 | 109 | |
| | m/p-Xylenes | 40 | 38.0 | ug/L | 95 | | | 82 | 110 | |
| | o-Xylene | 20 | 18.7 | ug/L | 94 | | | 83 | 109 | |
| | Styrene | 20 | 19.3 | ug/L | 97 | | | 80 | 111 | |
| | Bromoform | 20 | 18.3 | ug/L | 92 | | | 79 | 109 | |
| | Isopropylbenzene | 20 | 18.6 | ug/L | 93 | | | 83 | 112 | |
| | 1,1,2,2-Tetrachloroethane | 20 | 18.2 | ug/L | 91 | | | 76 | 118 | |
| | 1,3-Dichlorobenzene | 20 | 18.4 | ug/L | 92 | | | 82 | 108 | |
| | 1,4-Dichlorobenzene | 20 | 18.0 | ug/L | 90 | | | 82 | 107 | |
| | 1,2-Dichlorobenzene | 20 | 18.5 | ug/L | 93 | | | 82 | 109 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

**SDG No.:** Q2503 **Analytical Method:** SW8260-Low

**Client:** G Environmental **Datafile :** VX046873.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX0703WBS01 | 1,2-Dibromo-3-Chloropropane | 20 | 17.6 | ug/L | 88 | | | 68 | 112 | |
| | 1,2,4-Trichlorobenzene | 20 | 17.8 | ug/L | 89 | | | 75 | 113 | |
| | 1,2,3-Trichlorobenzene | 20 | 17.9 | ug/L | 90 | | | 76 | 114 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2503 **Analytical Method:** SW8260-Low

**Client:** G Environmental **Datafile :** VX046874.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX0703WBSD01 | Dichlorodifluoromethane | 20 | 19.3 | ug/L | 97 | 3 | | 69 | 116 | 19 |
| | Chloromethane | 20 | 19.4 | ug/L | 97 | 2 | | 65 | 116 | 21 |
| | Vinyl chloride | 20 | 19.1 | ug/L | 96 | 2 | | 65 | 117 | 19 |
| | Bromomethane | 20 | 20.5 | ug/L | 103 | 0 | | 58 | 125 | 20 |
| | Chloroethane | 20 | 18.8 | ug/L | 94 | 3 | | 56 | 128 | 20 |
| | Trichlorofluoromethane | 20 | 19.5 | ug/L | 98 | 4 | | 73 | 115 | 16 |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 19.6 | ug/L | 98 | 4 | | 80 | 112 | 15 |
| | 1,1-Dichloroethene | 20 | 19.2 | ug/L | 96 | 5 | | 74 | 110 | 20 |
| | Acetone | 100 | 91.0 | ug/L | 91 | 4 | | 60 | 125 | 20 |
| | Carbon disulfide | 20 | 18.5 | ug/L | 93 | 3 | | 64 | 112 | 20 |
| | Methyl tert-butyl Ether | 20 | 20.5 | ug/L | 103 | 8 | | 78 | 114 | 20 |
| | Methyl Acetate | 20 | 20.5 | ug/L | 103 | 6 | | 67 | 125 | 20 |
| | Methylene Chloride | 20 | 19.9 | ug/L | 100 | 7 | | 72 | 114 | 20 |
| | trans-1,2-Dichloroethene | 20 | 19.9 | ug/L | 100 | 4 | | 75 | 108 | 16 |
| | 1,1-Dichloroethane | 20 | 19.6 | ug/L | 98 | 3 | | 78 | 112 | 20 |
| | Cyclohexane | 20 | 20.1 | ug/L | 101 | 5 | | 75 | 110 | 20 |
| | 2-Butanone | 100 | 98.7 | ug/L | 99 | 6 | | 65 | 122 | 26 |
| | Carbon Tetrachloride | 20 | 19.5 | ug/L | 98 | 6 | | 77 | 113 | 15 |
| | cis-1,2-Dichloroethene | 20 | 19.9 | ug/L | 100 | 5 | | 77 | 110 | 20 |
| | Bromochloromethane | 20 | 17.5 | ug/L | 88 | 10 | | 70 | 124 | 20 |
| | Chloroform | 20 | 20.1 | ug/L | 101 | 5 | | 79 | 113 | 20 |
| | 1,1,1-Trichloroethane | 20 | 19.4 | ug/L | 97 | 3 | | 80 | 108 | 20 |
| | Methylcyclohexane | 20 | 19.3 | ug/L | 97 | 4 | | 72 | 115 | 20 |
| | Benzene | 20 | 19.8 | ug/L | 99 | 4 | | 82 | 109 | 15 |
| | 1,2-Dichloroethane | 20 | 20.3 | ug/L | 102 | 9 | | 80 | 115 | 20 |
| | Trichloroethene | 20 | 18.9 | ug/L | 95 | 3 | | 77 | 113 | 15 |
| | 1,2-Dichloropropane | 20 | 19.9 | ug/L | 100 | 7 | | 83 | 111 | 16 |
| | Bromodichloromethane | 20 | 20.0 | ug/L | 100 | 6 | | 83 | 110 | 16 |
| | 4-Methyl-2-Pentanone | 100 | 100 | ug/L | 100 | 5 | | 74 | 118 | 25 |
| | Toluene | 20 | 20.1 | ug/L | 101 | 5 | | 82 | 110 | 16 |
| | t-1,3-Dichloropropene | 20 | 19.8 | ug/L | 99 | 7 | | 79 | 110 | 20 |
| | cis-1,3-Dichloropropene | 20 | 20.3 | ug/L | 102 | 9 | | 82 | 110 | 16 |
| | 1,1,2-Trichloroethane | 20 | 20.7 | ug/L | 104 | 8 | | 83 | 112 | 20 |
| | 2-Hexanone | 100 | 100 | ug/L | 100 | 8 | | 73 | 117 | 25 |
| | Dibromochloromethane | 20 | 20.0 | ug/L | 100 | 7 | | 82 | 110 | 20 |
| | 1,2-Dibromoethane | 20 | 20.1 | ug/L | 101 | 8 | | 81 | 110 | 20 |
| | Tetrachloroethene | 20 | 19.3 | ug/L | 97 | 4 | | 67 | 123 | 15 |
| | Chlorobenzene | 20 | 19.4 | ug/L | 97 | 4 | | 82 | 109 | 15 |
| | Ethyl Benzene | 20 | 19.7 | ug/L | 99 | 4 | | 83 | 109 | 16 |
| | m/p-Xylenes | 40 | 39.9 | ug/L | 100 | 5 | | 82 | 110 | 15 |
| | o-Xylene | 20 | 19.7 | ug/L | 99 | 5 | | 83 | 109 | 20 |
| | Styrene | 20 | 20.1 | ug/L | 101 | 4 | | 80 | 111 | 17 |
| | Bromoform | 20 | 19.3 | ug/L | 97 | 5 | | 79 | 109 | 20 |
| | Isopropylbenzene | 20 | 19.2 | ug/L | 96 | 3 | | 83 | 112 | 29 |
| | 1,1,2,2-Tetrachloroethane | 20 | 19.4 | ug/L | 97 | 6 | | 76 | 118 | 20 |
| | 1,3-Dichlorobenzene | 20 | 19.4 | ug/L | 97 | 5 | | 82 | 108 | 20 |
| | 1,4-Dichlorobenzene | 20 | 18.8 | ug/L | 94 | 4 | | 82 | 107 | 15 |
| | 1,2-Dichlorobenzene | 20 | 19.5 | ug/L | 98 | 5 | | 82 | 109 | 20 |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

**SDG No.:** Q2503 **Analytical Method:** SW8260-Low

**Client:** G Environmental **Datafile :** VX046874.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX0703WBSD01 | 1,2-Dibromo-3-Chloropropane | 20 | 18.9 | ug/L | 95 | 8 | | 68 | 112 | 20 |
| | 1,2,4-Trichlorobenzene | 20 | 18.3 | ug/L | 92 | 3 | | 75 | 113 | 29 |
| | 1,2,3-Trichlorobenzene | 20 | 19.5 | ug/L | 98 | 9 | | 76 | 114 | 29 |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

**SDG No.:** Q2503 **Analytical Method:** SW8260D

**Client:** G Environmental **Datafile :** VX047007.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX0715MBS01 | Dichlorodifluoromethane | 2000 | 1700 | ug/Kg | 85 | | | 64 | 136 | |
| | Chloromethane | 2000 | 1700 | ug/Kg | 85 | | | 52 | 151 | |
| | Vinyl chloride | 2000 | 1800 | ug/Kg | 90 | | | 56 | 148 | |
| | Bromomethane | 2000 | 1800 | ug/Kg | 90 | | | 58 | 141 | |
| | Chloroethane | 2000 | 1900 | ug/Kg | 95 | | | 69 | 130 | |
| | Trichlorofluoromethane | 2000 | 1900 | ug/Kg | 95 | | | 69 | 134 | |
| | 1,1,2-Trichlorotrifluoroethane | 2000 | 1900 | ug/Kg | 95 | | | 81 | 123 | |
| | 1,1-Dichloroethene | 2000 | 1900 | ug/Kg | 95 | | | 79 | 121 | |
| | Acetone | 10000 | 12400 | ug/Kg | 124 | | | 40 | 171 | |
| | Carbon disulfide | 2000 | 1500 | ug/Kg | 75 | | | 59 | 130 | |
| | Methyl tert-butyl Ether | 2000 | 2400 | ug/Kg | 120 | | | 77 | 129 | |
| | Methyl Acetate | 2000 | 3100 | ug/Kg | 155 | | * | 69 | 149 | |
| | Methylene Chloride | 2000 | 2000 | ug/Kg | 100 | | | 72 | 131 | |
| | trans-1,2-Dichloroethene | 2000 | 1900 | ug/Kg | 95 | | | 80 | 123 | |
| | 1,1-Dichloroethane | 2000 | 2000 | ug/Kg | 100 | | | 82 | 123 | |
| | Cyclohexane | 2000 | 1900 | ug/Kg | 95 | | | 76 | 122 | |
| | 2-Butanone | 10000 | 14000 | ug/Kg | 140 | | * | 69 | 131 | |
| | Carbon Tetrachloride | 2000 | 1900 | ug/Kg | 95 | | | 76 | 129 | |
| | cis-1,2-Dichloroethene | 2000 | 2000 | ug/Kg | 100 | | | 82 | 123 | |
| | Bromochloromethane | 2000 | 2200 | ug/Kg | 110 | | | 80 | 127 | |
| | Chloroform | 2000 | 2100 | ug/Kg | 105 | | | 82 | 125 | |
| | 1,1,1-Trichloroethane | 2000 | 2100 | ug/Kg | 105 | | | 80 | 126 | |
| | Methylcyclohexane | 2000 | 1700 | ug/Kg | 85 | | | 77 | 123 | |
| | Benzene | 2000 | 1900 | ug/Kg | 95 | | | 84 | 121 | |
| | 1,2-Dichloroethane | 2000 | 2100 | ug/Kg | 105 | | | 81 | 126 | |
| | Trichloroethene | 2000 | 1800 | ug/Kg | 90 | | | 83 | 122 | |
| | 1,2-Dichloropropane | 2000 | 2000 | ug/Kg | 100 | | | 83 | 122 | |
| | Bromodichloromethane | 2000 | 2000 | ug/Kg | 100 | | | 82 | 123 | |
| | 4-Methyl-2-Pentanone | 10000 | 13900 | ug/Kg | 139 | | * | 70 | 135 | |
| | Toluene | 2000 | 2000 | ug/Kg | 100 | | | 83 | 122 | |
| | t-1,3-Dichloropropene | 2000 | 2000 | ug/Kg | 100 | | | 78 | 124 | |
| | cis-1,3-Dichloropropene | 2000 | 2000 | ug/Kg | 100 | | | 81 | 122 | |
| | 1,1,2-Trichloroethane | 2000 | 2100 | ug/Kg | 105 | | | 82 | 125 | |
| | 2-Hexanone | 10000 | 14500 | ug/Kg | 145 | | * | 66 | 138 | |
| | Dibromochloromethane | 2000 | 2000 | ug/Kg | 100 | | | 79 | 125 | |
| | 1,2-Dibromoethane | 2000 | 2100 | ug/Kg | 105 | | | 80 | 125 | |
| | Tetrachloroethene | 2000 | 1800 | ug/Kg | 90 | | | 83 | 125 | |
| | Chlorobenzene | 2000 | 2000 | ug/Kg | 100 | | | 84 | 122 | |
| | Ethyl Benzene | 2000 | 2000 | ug/Kg | 100 | | | 82 | 124 | |
| | m/p-Xylenes | 4000 | 3900 | ug/Kg | 98 | | | 83 | 124 | |
| | o-Xylene | 2000 | 2000 | ug/Kg | 100 | | | 83 | 123 | |
| | Styrene | 2000 | 2000 | ug/Kg | 100 | | | 82 | 124 | |
| | Bromoform | 2000 | 2100 | ug/Kg | 105 | | | 75 | 127 | |
| | Isopropylbenzene | 2000 | 2000 | ug/Kg | 100 | | | 82 | 124 | |
| | 1,1,2,2-Tetrachloroethane | 2000 | 2400 | ug/Kg | 120 | | | 77 | 127 | |
| | 1,3-Dichlorobenzene | 2000 | 2000 | ug/Kg | 100 | | | 83 | 122 | |
| | 1,4-Dichlorobenzene | 2000 | 1900 | ug/Kg | 95 | | | 84 | 121 | |
| | 1,2-Dichlorobenzene | 2000 | 2000 | ug/Kg | 100 | | | 83 | 124 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

**SDG No.:** Q2503 **Analytical Method:** SW8260D

**Client:** G Environmental **Datafile :** VX047007.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX0715MBS01 | 1,2-Dibromo-3-Chloropropane | 2000 | 2600 | ug/Kg | 130 | | | 66 | 134 | |
| | 1,2,4-Trichlorobenzene | 2000 | 1900 | ug/Kg | 95 | | | 78 | 127 | |
| | 1,2,3-Trichlorobenzene | 2000 | 2000 | ug/Kg | 100 | | | 70 | 137 | |

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# VOLATILE METHOD BLANK SUMMARY

Client ID: VW0714SBL01

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2503

Lab File ID: VW031837.D | Lab Sample ID: VW0714SBL01

Date Analyzed: 07/14/2025 | Time Analyzed: 09:46

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 |
|---|---|---|---|
| VW0714SBS01 | VW0714SBS01 | VW031838.D | 07/14/2025 |
| VW0714SBSD01 | VW0714SBSD01 | VW031839.D | 07/14/2025 |
| GCAP2 | Q2503-03 | VW031840.D | 07/14/2025 |
| GCAP3 | Q2503-04 | VW031841.D | 07/14/2025 |

COMMENTS:

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# VOLATILE METHOD BLANK SUMMARY

Client ID: VX0703WBL01

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2503

Lab File ID: VX046871.D | Lab Sample ID: VX0703WBL01

Date Analyzed: 07/03/2025 | Time Analyzed: 09:09

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| VX0703WBS01 | VX0703WBS01 | VX046873.D | 07/03/2025 |
| VX0703WBSD01 | VX0703WBSD01 | VX046874.D | 07/03/2025 |
| GCAP2W | Q2503-01 | VX046886.D | 07/03/2025 |
| GCAP3W | Q2503-02 | VX046887.D | 07/03/2025 |

COMMENTS:

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# VOLATILE METHOD BLANK SUMMARY

Client ID: VX0715MBL01

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2503

Lab File ID: VX046989.D | Lab Sample ID: VX0715MBL01

Date Analyzed: 07/15/2025 | Time Analyzed: 10:39

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| VX0715MBS01 | VX0715MBS01 | VX047007.D | 07/15/2025 |
| GCAP2ME | Q2503-03ME | VX047009.D | 07/15/2025 |
| GCAP3ME | Q2503-04ME | VX047010.D | 07/15/2025 |

COMMENTS:

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

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q2503
Lab File ID: VW031728.D
BFB Injection Date: 06/30/2025
Instrument ID: MSVOA_W
BFB Injection Time: 08:56
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 | 19.7 |
| 75 | 30.0 - 60.0% of mass 95 | 52.1 |
| 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 | 65.4 |
| 175 | 5.0 - 9.0% of mass 174 | 5.4 ( 8.2 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 64.8 ( 99.2 ) 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 | VW031729.D | 06/30/2025 | 09:54 |
| VSTDICC010 | VSTDICC010 | VW031730.D | 06/30/2025 | 10:15 |
| VSTDICC020 | VSTDICC020 | VW031731.D | 06/30/2025 | 10:58 |
| VSTDICCC050 | VSTDICCC050 | VW031732.D | 06/30/2025 | 11:21 |
| VSTDICC100 | VSTDICC100 | VW031733.D | 06/30/2025 | 12:34 |
| VSTDICC150 | VSTDICC150 | VW031734.D | 06/30/2025 | 12:55 |

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

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q2503
Lab File ID: VW031835.D
BFB Injection Date: 07/14/2025
Instrument ID: MSVOA_W
BFB Injection Time: 08:45
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 | 19.5 |
| 75 | 30.0 - 60.0% of mass 95 | 53.4 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.8 |
| 173 | Less than 2.0% of mass 174 | 0.0 ( 0.0 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 63.7 |
| 175 | 5.0 - 9.0% of mass 174 | 5.4 ( 8.5 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 62.5 ( 98.1 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4 ( 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 | VW031836.D | 07/14/2025 | 09:17 |
| VW0714SBL01 | VW0714SBL01 | VW031837.D | 07/14/2025 | 09:46 |
| VW0714SBS01 | VW0714SBS01 | VW031838.D | 07/14/2025 | 10:14 |
| VW0714SBSD01 | VW0714SBSD01 | VW031839.D | 07/14/2025 | 10:36 |
| GCAP2 | Q2503-03 | VW031840.D | 07/14/2025 | 11:16 |
| GCAP3 | Q2503-04 | VW031841.D | 07/14/2025 | 11:38 |

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

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q2503
Lab File ID: VX046859.D
BFB Injection Date: 07/02/2025
Instrument ID: MSVOA_X
BFB Injection Time: 11:12
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 18.2 |
| 75 | 30.0 - 60.0% of mass 95 | 50.1 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.4 |
| 173 | Less than 2.0% of mass 174 | 0.8 ( 1 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 75.5 |
| 175 | 5.0 - 9.0% of mass 174 | 5.6 ( 7.4 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 73.3 ( 97.1 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.9 ( 6.7 ) 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 |
|---|---|---|---|---|
| VSTDICC001 | VSTDICC001 | VX046860.D | 07/02/2025 | 12:11 |
| VSTDICC005 | VSTDICC005 | VX046861.D | 07/02/2025 | 12:37 |
| VSTDICC020 | VSTDICC020 | VX046862.D | 07/02/2025 | 13:18 |
| VSTDICCC050 | VSTDICCC050 | VX046863.D | 07/02/2025 | 13:39 |
| VSTDICC100 | VSTDICC100 | VX046864.D | 07/02/2025 | 14:10 |
| VSTDICC150 | VSTDICC150 | VX046865.D | 07/02/2025 | 14:31 |

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

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2503

Lab File ID: VX046868.D | BFB Injection Date: 07/03/2025

Instrument ID: MSVOA_X | BFB Injection Time: 07:52

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 18.4 |
| 75 | 30.0 - 60.0% of mass 95 | 49.9 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.3 |
| 173 | Less than 2.0% of mass 174 | 0.8 ( 1 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 76 |
| 175 | 5.0 - 9.0% of mass 174 | 5.7 ( 7.6 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 75.5 ( 99.4 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.9 ( 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 |
|---|---|---|---|---|
| VSTDCCC050 | VSTDCCC050 | VX046869.D | 07/03/2025 | 08:19 |
| VX0703WBL01 | VX0703WBL01 | VX046871.D | 07/03/2025 | 09:09 |
| VX0703WBS01 | VX0703WBS01 | VX046873.D | 07/03/2025 | 09:56 |
| VX0703WBSD01 | VX0703WBSD01 | VX046874.D | 07/03/2025 | 10:23 |
| GCAP2W | Q2503-01 | VX046886.D | 07/03/2025 | 14:37 |
| GCAP3W | Q2503-02 | VX046887.D | 07/03/2025 | 14:58 |

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

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2503

Lab File ID: VX046987.D | BFB Injection Date: 07/15/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:29

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 18.9 |
| 75 | 30.0 - 60.0% of mass 95 | 52 |
| 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 | 0.5 ( 0.7 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 74.1 |
| 175 | 5.0 - 9.0% of mass 174 | 5.5 ( 7.4 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 72.6 ( 97.9 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.6 ( 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 | VX046988.D | 07/15/2025 | 10:18 |
| VX0715MBL01 | VX0715MBL01 | VX046989.D | 07/15/2025 | 10:39 |
| VX0715MBS01 | VX0715MBS01 | VX047007.D | 07/15/2025 | 17:06 |
| GCAP2ME | Q2503-03ME | VX047009.D | 07/15/2025 | 17:49 |
| GCAP3ME | Q2503-04ME | VX047010.D | 07/15/2025 | 18:10 |

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## VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2503

Lab File ID: VW031836.D Date Analyzed: 07/14/2025

Instrument ID: MSVOA_W Time Analyzed: 09:17

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 | 228359 | 7.96 | 408363 | 8.85 | 364073 | 11.63 |
| UPPER LIMIT | 456718 | 8.459 | 816726 | 9.349 | 728146 | 12.129 |
| LOWER LIMIT | 114180 | 7.459 | 204182 | 8.349 | 182037 | 11.129 |
| EPA SAMPLE NO. | | | | | | |
| GCAP2 | 210867 | 7.96 | 390097 | 8.85 | 330238 | 11.63 |
| GCAP3 | 198013 | 7.97 | 378189 | 8.86 | 323667 | 11.63 |
| VW0714SBL01 | 179274 | 7.96 | 359991 | 8.85 | 334968 | 11.64 |
| VW0714SBS01 | 217952 | 7.96 | 419177 | 8.85 | 378051 | 11.63 |
| VW0714SBSD01 | 213196 | 7.97 | 419599 | 8.86 | 383633 | 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: GENV01

Lab Code: ACE SDG NO.: Q2503

Lab File ID: VW031836.D Date Analyzed: 07/14/2025

Instrument ID: MSVOA_W Time Analyzed: 09:17

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

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 165994 | 13.556 | | | | |
| UPPER LIMIT | 331988 | 14.056 | | | | |
| LOWER LIMIT | 82997 | 13.056 | | | | |
| EPA SAMPLE NO. | | | | | | |
| GCAP2 | 124443 | 13.56 | | | | |
| GCAP3 | 116915 | 13.56 | | | | |
| VW0714SBL01 | 154203 | 13.56 | | | | |
| VW0714SBS01 | 171979 | 13.56 | | | | |
| VW0714SBSD01 | 180632 | 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: GENV01

Lab Code: ACE SDG NO.: Q2503

Lab File ID: VX046869.D Date Analyzed: 07/03/2025

Instrument ID: MSVOA_X Time Analyzed: 08:19

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

| | IS1 AREA # | RT # | IS2 AREA # | RT # | IS3 AREA # | RT # |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 416385 | 5.56 | 663948 | 6.76 | 582621 | 10.05 |
| UPPER LIMIT | 832770 | 6.056 | 1327900 | 7.263 | 1165240 | 10.549 |
| LOWER LIMIT | 208193 | 5.056 | 331974 | 6.263 | 291311 | 9.549 |
| EPA SAMPLE NO. | | | | | | |
| GCAP2W | 529972 | 5.56 | 893199 | 6.77 | 813566 | 10.06 |
| GCAP3W | 551922 | 5.56 | 910736 | 6.77 | 827841 | 10.06 |
| VX0703WBL01 | 435949 | 5.56 | 752530 | 6.76 | 691838 | 10.05 |
| VX0703WBS01 | 380935 | 5.56 | 631809 | 6.77 | 572542 | 10.06 |
| VX0703WBSD01 | 339915 | 5.56 | 568093 | 6.76 | 517645 | 10.05 |

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: GENV01

Lab Code: ACE SDG NO.: Q2503

Lab File ID: VX046869.D Date Analyzed: 07/03/2025

Instrument ID: MSVOA_X Time Analyzed: 08:19

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 287854 | 12.018 | | | | |
| UPPER LIMIT | 575708 | 12.518 | | | | |
| LOWER LIMIT | 143927 | 11.518 | | | | |
| EPA SAMPLE NO. | | | | | | |
| GCAP2W | 408234 | 12.02 | | | | |
| GCAP3W | 418170 | 12.02 | | | | |
| VX0703WBL01 | 351915 | 12.02 | | | | |
| VX0703WBS01 | 293826 | 12.02 | | | | |
| VX0703WBSD01 | 269874 | 12.02 | | | | |

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: GENV01

Lab Code: ACE SDG NO.: Q2503

Lab File ID: VX046988.D Date Analyzed: 07/15/2025

Instrument ID: MSVOA_X Time Analyzed: 10:18

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

| | IS1 AREA # | RT # | IS2 AREA # | RT # | IS3 AREA # | RT # |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 298555 | 5.56 | 499158 | 6.76 | 443564 | 10.06 |
| UPPER LIMIT | 597110 | 6.056 | 998316 | 7.263 | 887128 | 10.555 |
| LOWER LIMIT | 149278 | 5.056 | 249579 | 6.263 | 221782 | 9.555 |
| EPA SAMPLE NO. | | | | | | |
| GCAP2ME | 321586 | 5.56 | 538656 | 6.76 | 489470 | 10.06 |
| GCAP3ME | 288950 | 5.56 | 484552 | 6.76 | 438449 | 10.06 |
| VX0715MBL01 | 342671 | 5.56 | 579223 | 6.77 | 530422 | 10.06 |
| VX0715MBS01 | 310444 | 5.57 | 528338 | 6.77 | 471044 | 10.06 |

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: GENV01

Lab Code: ACE SDG NO.: Q2503

Lab File ID: VX046988.D Date Analyzed: 07/15/2025

Instrument ID: MSVOA_X Time Analyzed: 10:18

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 217822 | 12.018 | | | | |
| UPPER LIMIT | 435644 | 12.518 | | | | |
| LOWER LIMIT | 108911 | 11.518 | | | | |
| EPA SAMPLE NO. | | | | | | |
| GCAP2ME | 250920 | 12.02 | | | | |
| GCAP3ME | 225226 | 12.02 | | | | |
| VX0715MBL01 | 275487 | 12.02 | | | | |
| VX0715MBS01 | 239011 | 12.02 | | | | |

IS4 = 1,4-Dichlorobenzene-d4

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

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

# QC SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Capra | Date Received: | |
| Client Sample ID: | VW0714SBL01 | SDG No.: | Q2503 |
| Lab Sample ID: | VW0714SBL01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VW031837.D | 1 | 07/14/25 09:46 | VW071425 |

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

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Capra | Date Received: | |
| Client Sample ID: | VW0714SBL01 | SDG No.: | Q2503 |
| Lab Sample ID: | VW0714SBL01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VW031837.D | 1 | 07/14/25 09:46 | VW071425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.65 | U | 0.65 | 5.00 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.62 | U | 0.62 | 5.00 | ug/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 0.92 | U | 0.92 | 5.00 | ug/Kg |
| 591-78-6 | 2-Hexanone | 3.70 | U | 3.70 | 25.0 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 0.87 | U | 0.87 | 5.00 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.88 | U | 0.88 | 5.00 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 1.10 | U | 1.10 | 5.00 | ug/Kg |
| 108-90-7 | Chlorobenzene | 0.91 | U | 0.91 | 5.00 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 0.67 | U | 0.67 | 5.00 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 1.20 | U | 1.20 | 10.0 | ug/Kg |
| 95-47-6 | o-Xylene | 0.82 | U | 0.82 | 5.00 | ug/Kg |
| 100-42-5 | Styrene | 0.71 | U | 0.71 | 5.00 | ug/Kg |
| 75-25-2 | Bromoform | 0.86 | U | 0.86 | 5.00 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 0.78 | U | 0.78 | 5.00 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.20 | U | 1.20 | 5.00 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 1.70 | U | 1.70 | 5.00 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 1.60 | U | 1.60 | 5.00 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 1.50 | U | 1.50 | 5.00 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 1.80 | U | 1.80 | 5.00 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 3.00 | U | 3.00 | 5.00 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 3.20 | U | 3.20 | 5.00 | ug/Kg |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 48.0 | | 63 - 155 | 96% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.1 | | 70 - 134 | 94% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 44.9 | | 74 - 123 | 90% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 46.2 | | 17 - 146 | 92% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 179000 | 7.959 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 360000 | 8.849 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 335000 | 11.635 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 154000 | 13.556 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Capra | Date Received: | |
| Client Sample ID: | VW0714SBL01 | SDG No.: | Q2503 |
| Lab Sample ID: | VW0714SBL01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VW031837.D | 1 | 07/14/25 09:46 | VW071425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|

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

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

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Capra | Date Received: | |
| Client Sample ID: | VX0703WBL01 | SDG No.: | Q2503 |
| Lab Sample ID: | VX0703WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX046871.D | 1 | 07/03/25 09:09 | VX070325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.22 | U | 0.22 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.32 | U | 0.32 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.26 | U | 0.26 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 1.40 | U | 1.40 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.47 | U | 0.47 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.33 | U | 0.33 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.25 | U | 0.25 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.23 | U | 0.23 | 1.00 | ug/L |
| 67-64-1 | Acetone | 1.50 | U | 1.50 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.21 | U | 0.21 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.16 | U | 0.16 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.27 | U | 0.27 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.28 | U | 0.28 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.23 | U | 0.23 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.23 | U | 0.23 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 1.50 | U | 1.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 0.98 | U | 0.98 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.25 | U | 0.25 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.19 | U | 0.19 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.22 | U | 0.22 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.25 | U | 0.25 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.20 | U | 0.20 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.16 | U | 0.16 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.15 | U | 0.15 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.22 | U | 0.22 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.090 | U | 0.090 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.20 | U | 0.20 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.22 | U | 0.22 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.68 | U | 0.68 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.14 | U | 0.14 | 1.00 | ug/L |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Capra | Date Received: | |
| Client Sample ID: | VX0703WBL01 | SDG No.: | Q2503 |
| Lab Sample ID: | VX0703WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX046871.D | 1 | 07/03/25 09:09 | VX070325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.17 | U | 0.17 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.16 | U | 0.16 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.21 | U | 0.21 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 0.89 | U | 0.89 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.18 | U | 0.18 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.15 | U | 0.15 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.23 | U | 0.23 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.12 | U | 0.12 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.13 | U | 0.13 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 0.24 | U | 0.24 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.12 | U | 0.12 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.15 | U | 0.15 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.19 | U | 0.19 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.12 | U | 0.12 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.26 | U | 0.26 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.16 | U | 0.16 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.19 | U | 0.19 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.16 | U | 0.16 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.53 | U | 0.53 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.20 | U | 0.20 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.20 | U | 0.20 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 50.3 | | 74 - 125 | 101% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.6 | | 75 - 124 | 97% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.6 | | 86 - 113 | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.6 | | 77 - 121 | 101% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 436000 | 5.556 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 753000 | 6.763 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 692000 | 10.049 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 352000 | 12.018 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Capra | Date Received: | |
| Client Sample ID: | VX0703WBL01 | SDG No.: | Q2503 |
| Lab Sample ID: | VX0703WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX046871.D | 1 | 07/03/25 09:09 | VX070325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|

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

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

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Capra | Date Received: | |
| Client Sample ID: | VX0715MBL01 | SDG No.: | Q2503 |
| Lab Sample ID: | VX0715MBL01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | 100 uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | MED |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX046989.D | 1 | 07/15/25 10:39 | VX071525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 110 | U | 110 | 500 | ug/Kg |
| 74-87-3 | Chloromethane | 110 | U | 110 | 500 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 79.0 | U | 79.0 | 500 | ug/Kg |
| 74-83-9 | Bromomethane | 110 | U | 110 | 500 | ug/Kg |
| 75-00-3 | Chloroethane | 130 | U | 130 | 500 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 120 | U | 120 | 500 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 110 | U | 110 | 500 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 100 | U | 100 | 500 | ug/Kg |
| 67-64-1 | Acetone | 470 | U | 470 | 2500 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 110 | U | 110 | 500 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 73.0 | U | 73.0 | 500 | ug/Kg |
| 79-20-9 | Methyl Acetate | 150 | U | 150 | 500 | ug/Kg |
| 75-09-2 | Methylene Chloride | 350 | U | 350 | 1000 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 86.0 | U | 86.0 | 500 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 80.0 | U | 80.0 | 500 | ug/Kg |
| 110-82-7 | Cyclohexane | 79.0 | U | 79.0 | 500 | ug/Kg |
| 78-93-3 | 2-Butanone | 650 | U | 650 | 2500 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 97.0 | U | 97.0 | 500 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 75.0 | U | 75.0 | 500 | ug/Kg |
| 74-97-5 | Bromochloromethane | 120 | U | 120 | 500 | ug/Kg |
| 67-66-3 | Chloroform | 84.0 | U | 84.0 | 500 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 93.0 | U | 93.0 | 500 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 91.0 | U | 91.0 | 500 | ug/Kg |
| 71-43-2 | Benzene | 79.0 | U | 79.0 | 500 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 79.0 | U | 79.0 | 500 | ug/Kg |
| 79-01-6 | Trichloroethene | 81.0 | U | 81.0 | 500 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 91.0 | U | 91.0 | 500 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 78.0 | U | 78.0 | 500 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 360 | U | 360 | 2500 | ug/Kg |
| 108-88-3 | Toluene | 78.0 | U | 78.0 | 500 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Capra | Date Received: | |
| Client Sample ID: | VX0715MBL01 | SDG No.: | Q2503 |
| Lab Sample ID: | VX0715MBL01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | 100 uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | MED |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX046989.D | 1 | 07/15/25 10:39 | VX071525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 65.0 | U | 65.0 | 500 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 62.0 | U | 62.0 | 500 | ug/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 92.0 | U | 92.0 | 500 | ug/Kg |
| 591-78-6 | 2-Hexanone | 370 | U | 370 | 2500 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 87.0 | U | 87.0 | 500 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 88.0 | U | 88.0 | 500 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 110 | U | 110 | 500 | ug/Kg |
| 108-90-7 | Chlorobenzene | 91.0 | U | 91.0 | 500 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 67.0 | U | 67.0 | 500 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 120 | U | 120 | 1000 | ug/Kg |
| 95-47-6 | o-Xylene | 82.0 | U | 82.0 | 500 | ug/Kg |
| 100-42-5 | Styrene | 71.0 | U | 71.0 | 500 | ug/Kg |
| 75-25-2 | Bromoform | 86.0 | U | 86.0 | 500 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 78.0 | U | 78.0 | 500 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 120 | U | 120 | 500 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 170 | U | 170 | 500 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 160 | U | 160 | 500 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 150 | U | 150 | 500 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 180 | U | 180 | 500 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 300 | U | 300 | 500 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 320 | U | 320 | 500 | ug/Kg |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 52.4 | | 63 - 155 | 105% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.5 | | 70 - 134 | 97% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 48.5 | | 74 - 123 | 97% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 52.2 | | 17 - 146 | 104% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 343000 | 5.562 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 579000 | 6.769 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 530000 | 10.055 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 275000 | 12.018 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Capra | Date Received: | |
| Client Sample ID: | VX0715MBL01 | SDG No.: | Q2503 |
| Lab Sample ID: | VX0715MBL01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | 100 uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | MED |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX046989.D | 1 | 07/15/25 10:39 | VX071525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|

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

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

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Capra | Date Received: | |
| Client Sample ID: | VW0714SBS01 | SDG No.: | Q2503 |
| Lab Sample ID: | VW0714SBS01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VW031838.D | 1 | 07/14/25 10:14 | VW071425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 18.8 | | 1.10 | 5.00 | ug/Kg |
| 74-87-3 | Chloromethane | 19.6 | | 1.10 | 5.00 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 20.6 | | 0.79 | 5.00 | ug/Kg |
| 74-83-9 | Bromomethane | 20.2 | | 1.10 | 5.00 | ug/Kg |
| 75-00-3 | Chloroethane | 20.2 | | 1.30 | 5.00 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 16.8 | | 1.20 | 5.00 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 19.5 | | 1.10 | 5.00 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 20.5 | | 1.00 | 5.00 | ug/Kg |
| 67-64-1 | Acetone | 87.1 | | 4.70 | 25.0 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 18.7 | | 1.10 | 5.00 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 22.8 | | 0.73 | 5.00 | ug/Kg |
| 79-20-9 | Methyl Acetate | 18.6 | | 1.50 | 5.00 | ug/Kg |
| 75-09-2 | Methylene Chloride | 24.0 | | 3.50 | 10.0 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 21.7 | | 0.86 | 5.00 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 22.2 | | 0.80 | 5.00 | ug/Kg |
| 110-82-7 | Cyclohexane | 19.7 | | 0.79 | 5.00 | ug/Kg |
| 78-93-3 | 2-Butanone | 96.3 | | 6.50 | 25.0 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 17.9 | | 0.97 | 5.00 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 22.3 | | 0.75 | 5.00 | ug/Kg |
| 74-97-5 | Bromochloromethane | 21.9 | | 1.20 | 5.00 | ug/Kg |
| 67-66-3 | Chloroform | 22.7 | | 0.84 | 5.00 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 20.7 | | 0.93 | 5.00 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 18.4 | | 0.91 | 5.00 | ug/Kg |
| 71-43-2 | Benzene | 20.9 | | 0.79 | 5.00 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 20.4 | | 0.79 | 5.00 | ug/Kg |
| 79-01-6 | Trichloroethene | 20.5 | | 0.81 | 5.00 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 21.4 | | 0.91 | 5.00 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 20.8 | | 0.78 | 5.00 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 94.7 | | 3.60 | 25.0 | ug/Kg |
| 108-88-3 | Toluene | 21.4 | | 0.78 | 5.00 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Capra | Date Received: | |
| Client Sample ID: | VW0714SBS01 | SDG No.: | Q2503 |
| Lab Sample ID: | VW0714SBS01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VW031838.D | 1 | 07/14/25 10:14 | VW071425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 20.4 | | 0.65 | 5.00 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 21.0 | | 0.62 | 5.00 | ug/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 20.8 | | 0.92 | 5.00 | ug/Kg |
| 591-78-6 | 2-Hexanone | 95.7 | | 3.70 | 25.0 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 20.0 | | 0.87 | 5.00 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 19.5 | | 0.88 | 5.00 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 17.7 | | 1.10 | 5.00 | ug/Kg |
| 108-90-7 | Chlorobenzene | 20.3 | | 0.91 | 5.00 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 20.7 | | 0.67 | 5.00 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 41.6 | | 1.20 | 10.0 | ug/Kg |
| 95-47-6 | o-Xylene | 21.2 | | 0.82 | 5.00 | ug/Kg |
| 100-42-5 | Styrene | 21.5 | | 0.71 | 5.00 | ug/Kg |
| 75-25-2 | Bromoform | 18.3 | | 0.86 | 5.00 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 21.0 | | 0.78 | 5.00 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20.8 | | 1.20 | 5.00 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 20.5 | | 1.70 | 5.00 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 21.6 | | 1.60 | 5.00 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 21.6 | | 1.50 | 5.00 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 18.2 | | 1.80 | 5.00 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20.7 | | 3.00 | 5.00 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 20.8 | | 3.20 | 5.00 | ug/Kg |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 53.8 | | 63 - 155 | 108% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.6 | | 70 - 134 | 99% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.4 | | 74 - 123 | 103% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 52.3 | | 17 - 146 | 105% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 218000 | 7.959 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 419000 | 8.849 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 378000 | 11.629 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 172000 | 13.556 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Capra | Date Received: | |
| Client Sample ID: | VW0714SBS01 | SDG No.: | Q2503 |
| Lab Sample ID: | VW0714SBS01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VW031838.D | 1 | 07/14/25 10:14 | VW071425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|

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

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

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Capra | Date Received: | |
| Client Sample ID: | VX0703WBS01 | SDG No.: | Q2503 |
| Lab Sample ID: | VX0703WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX046873.D | 1 | 07/03/25 09:56 | VX070325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 18.7 | | 0.22 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 19.0 | | 0.32 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 18.7 | | 0.26 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 20.5 | | 1.40 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 18.2 | | 0.47 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 18.8 | | 0.33 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 18.8 | | 0.25 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 18.2 | | 0.23 | 1.00 | ug/L |
| 67-64-1 | Acetone | 86.7 | | 1.50 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 18.0 | | 0.21 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 18.9 | | 0.16 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 19.3 | | 0.27 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 18.5 | | 0.28 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 19.2 | | 0.23 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 19.0 | | 0.23 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 19.2 | | 1.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 93.1 | | 0.98 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 18.3 | | 0.25 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 19.0 | | 0.19 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 16.0 | | 0.22 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 19.1 | | 0.25 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 18.8 | | 0.20 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 18.6 | | 0.16 | 1.00 | ug/L |
| 71-43-2 | Benzene | 18.9 | | 0.15 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 18.6 | | 0.22 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 18.4 | | 0.090 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 18.6 | | 0.20 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 18.8 | | 0.22 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 95.2 | | 0.68 | 5.00 | ug/L |
| 108-88-3 | Toluene | 19.1 | | 0.14 | 1.00 | ug/L |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Capra | Date Received: | |
| Client Sample ID: | VX0703WBS01 | SDG No.: | Q2503 |
| Lab Sample ID: | VX0703WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX046873.D | 1 | 07/03/25 09:56 | VX070325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 18.4 | | 0.17 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 18.5 | | 0.16 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 19.1 | | 0.21 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 92.1 | | 0.89 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 18.6 | | 0.18 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 18.6 | | 0.15 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 18.5 | | 0.23 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 18.6 | | 0.12 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 18.9 | | 0.13 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 38.0 | | 0.24 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 18.7 | | 0.12 | 1.00 | ug/L |
| 100-42-5 | Styrene | 19.3 | | 0.15 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 18.3 | | 0.19 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 18.6 | | 0.12 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 18.2 | | 0.26 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 18.4 | | 0.16 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 18.0 | | 0.19 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 18.5 | | 0.16 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 17.6 | | 0.53 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 17.8 | | 0.20 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 17.9 | | 0.20 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.9 | | 74 - 125 | 100% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.1 | | 75 - 124 | 98% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.6 | | 86 - 113 | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.7 | | 77 - 121 | 101% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 381000 | 5.562 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 632000 | 6.769 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 573000 | 10.055 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 294000 | 12.018 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Capra | Date Received: | |
| Client Sample ID: | VX0703WBS01 | SDG No.: | Q2503 |
| Lab Sample ID: | VX0703WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX046873.D | 1 | 07/03/25 09:56 | VX070325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|

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

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

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Capra | Date Received: | |
| Client Sample ID: | VX0715MBS01 | SDG No.: | Q2503 |
| Lab Sample ID: | VX0715MBS01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | 100 uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | MED |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047007.D | 1 | 07/15/25 17:06 | VX071525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1700 | | 110 | 500 | ug/Kg |
| 74-87-3 | Chloromethane | 1700 | | 110 | 500 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 1800 | | 79.0 | 500 | ug/Kg |
| 74-83-9 | Bromomethane | 1800 | | 110 | 500 | ug/Kg |
| 75-00-3 | Chloroethane | 1900 | | 130 | 500 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 1900 | | 120 | 500 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1900 | | 110 | 500 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 1900 | | 100 | 500 | ug/Kg |
| 67-64-1 | Acetone | 12400 | | 470 | 2500 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 1500 | | 110 | 500 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 2400 | | 73.0 | 500 | ug/Kg |
| 79-20-9 | Methyl Acetate | 3100 | | 150 | 500 | ug/Kg |
| 75-09-2 | Methylene Chloride | 2000 | | 350 | 1000 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 1900 | | 86.0 | 500 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 2000 | | 80.0 | 500 | ug/Kg |
| 110-82-7 | Cyclohexane | 1900 | | 79.0 | 500 | ug/Kg |
| 78-93-3 | 2-Butanone | 14000 | | 650 | 2500 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 1900 | | 97.0 | 500 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 2000 | | 75.0 | 500 | ug/Kg |
| 74-97-5 | Bromochloromethane | 2200 | | 120 | 500 | ug/Kg |
| 67-66-3 | Chloroform | 2100 | | 84.0 | 500 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 2100 | | 93.0 | 500 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 1700 | | 91.0 | 500 | ug/Kg |
| 71-43-2 | Benzene | 1900 | | 79.0 | 500 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 2100 | | 79.0 | 500 | ug/Kg |
| 79-01-6 | Trichloroethene | 1800 | | 81.0 | 500 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 2000 | | 91.0 | 500 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 2000 | | 78.0 | 500 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 13900 | | 360 | 2500 | ug/Kg |
| 108-88-3 | Toluene | 2000 | | 78.0 | 500 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Capra | Date Received: | |
| Client Sample ID: | VX0715MBS01 | SDG No.: | Q2503 |
| Lab Sample ID: | VX0715MBS01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | 100 uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | MED |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047007.D | 1 | 07/15/25 17:06 | VX071525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 2000 | | 65.0 | 500 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 2000 | | 62.0 | 500 | ug/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 2100 | | 92.0 | 500 | ug/Kg |
| 591-78-6 | 2-Hexanone | 14500 | | 370 | 2500 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 2000 | | 87.0 | 500 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 2100 | | 88.0 | 500 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 1800 | | 110 | 500 | ug/Kg |
| 108-90-7 | Chlorobenzene | 2000 | | 91.0 | 500 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 2000 | | 67.0 | 500 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 3900 | | 120 | 1000 | ug/Kg |
| 95-47-6 | o-Xylene | 2000 | | 82.0 | 500 | ug/Kg |
| 100-42-5 | Styrene | 2000 | | 71.0 | 500 | ug/Kg |
| 75-25-2 | Bromoform | 2100 | | 86.0 | 500 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 2000 | | 78.0 | 500 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 2400 | | 120 | 500 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 2000 | | 170 | 500 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 1900 | | 160 | 500 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 2000 | | 150 | 500 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 2600 | | 180 | 500 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 1900 | | 300 | 500 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 2000 | | 320 | 500 | ug/Kg |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 53.9 | | 63 - 155 | 108% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.2 | | 70 - 134 | 100% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 48.5 | | 74 - 123 | 97% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 51.5 | | 17 - 146 | 103% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 310000 | 5.568 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 528000 | 6.769 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 471000 | 10.055 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 239000 | 12.018 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Capra | Date Received: | |
| Client Sample ID: | VX0715MBS01 | SDG No.: | Q2503 |
| Lab Sample ID: | VX0715MBS01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | 100 uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | MED |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047007.D | 1 | 07/15/25 17:06 | VX071525 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|

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

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

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Capra | Date Received: | |
| Client Sample ID: | VW0714SBSD01 | SDG No.: | Q2503 |
| Lab Sample ID: | VW0714SBSD01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VW031839.D | 1 | 07/14/25 10:36 | VW071425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 16.9 | | 1.10 | 5.00 | ug/Kg |
| 74-87-3 | Chloromethane | 19.7 | | 1.10 | 5.00 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 20.0 | | 0.79 | 5.00 | ug/Kg |
| 74-83-9 | Bromomethane | 20.4 | | 1.10 | 5.00 | ug/Kg |
| 75-00-3 | Chloroethane | 20.1 | | 1.30 | 5.00 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 19.3 | | 1.20 | 5.00 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 19.6 | | 1.10 | 5.00 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 20.0 | | 1.00 | 5.00 | ug/Kg |
| 67-64-1 | Acetone | 99.3 | | 4.70 | 25.0 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 18.5 | | 1.10 | 5.00 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 22.8 | | 0.73 | 5.00 | ug/Kg |
| 79-20-9 | Methyl Acetate | 20.9 | | 1.50 | 5.00 | ug/Kg |
| 75-09-2 | Methylene Chloride | 24.5 | | 3.50 | 10.0 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 21.1 | | 0.86 | 5.00 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 22.1 | | 0.80 | 5.00 | ug/Kg |
| 110-82-7 | Cyclohexane | 19.8 | | 0.79 | 5.00 | ug/Kg |
| 78-93-3 | 2-Butanone | 110 | | 6.50 | 25.0 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 18.5 | | 0.97 | 5.00 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 22.4 | | 0.75 | 5.00 | ug/Kg |
| 74-97-5 | Bromochloromethane | 22.9 | | 1.20 | 5.00 | ug/Kg |
| 67-66-3 | Chloroform | 22.5 | | 0.84 | 5.00 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 20.6 | | 0.93 | 5.00 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 18.1 | | 0.91 | 5.00 | ug/Kg |
| 71-43-2 | Benzene | 20.9 | | 0.79 | 5.00 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 20.6 | | 0.79 | 5.00 | ug/Kg |
| 79-01-6 | Trichloroethene | 19.5 | | 0.81 | 5.00 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 20.5 | | 0.91 | 5.00 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 20.8 | | 0.78 | 5.00 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 100 | | 3.60 | 25.0 | ug/Kg |
| 108-88-3 | Toluene | 21.1 | | 0.78 | 5.00 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Capra | Date Received: | |
| Client Sample ID: | VW0714SBSD01 | SDG No.: | Q2503 |
| Lab Sample ID: | VW0714SBSD01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VW031839.D | 1 | 07/14/25 10:36 | VW071425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 21.0 | | 0.65 | 5.00 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 21.0 | | 0.62 | 5.00 | ug/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 21.0 | | 0.92 | 5.00 | ug/Kg |
| 591-78-6 | 2-Hexanone | 110 | | 3.70 | 25.0 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 19.5 | | 0.87 | 5.00 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 20.8 | | 0.88 | 5.00 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 17.3 | | 1.10 | 5.00 | ug/Kg |
| 108-90-7 | Chlorobenzene | 19.7 | | 0.91 | 5.00 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 20.4 | | 0.67 | 5.00 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 39.8 | | 1.20 | 10.0 | ug/Kg |
| 95-47-6 | o-Xylene | 20.5 | | 0.82 | 5.00 | ug/Kg |
| 100-42-5 | Styrene | 20.4 | | 0.71 | 5.00 | ug/Kg |
| 75-25-2 | Bromoform | 19.1 | | 0.86 | 5.00 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 20.4 | | 0.78 | 5.00 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20.8 | | 1.20 | 5.00 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 20.3 | | 1.70 | 5.00 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 20.2 | | 1.60 | 5.00 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 20.8 | | 1.50 | 5.00 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 19.2 | | 1.80 | 5.00 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 19.8 | | 3.00 | 5.00 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 19.2 | | 3.20 | 5.00 | ug/Kg |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 55.2 | | 63 - 155 | 110% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 51.7 | | 70 - 134 | 103% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.5 | | 74 - 123 | 101% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 54.1 | | 17 - 146 | 108% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 213000 | 7.965 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 420000 | 8.855 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 384000 | 11.635 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 181000 | 13.556 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Capra | Date Received: | |
| Client Sample ID: | VW0714SBSD01 | SDG No.: | Q2503 |
| Lab Sample ID: | VW0714SBSD01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VW031839.D | 1 | 07/14/25 10:36 | VW071425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|

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

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

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Capra | Date Received: | |
| Client Sample ID: | VX0703WBSD01 | SDG No.: | Q2503 |
| Lab Sample ID: | VX0703WBSD01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX046874.D | 1 | 07/03/25 10:23 | VX070325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 19.3 | | 0.22 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 19.4 | | 0.32 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 19.1 | | 0.26 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 20.5 | | 1.40 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 18.8 | | 0.47 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 19.5 | | 0.33 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 19.6 | | 0.25 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 19.2 | | 0.23 | 1.00 | ug/L |
| 67-64-1 | Acetone | 91.0 | | 1.50 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 18.5 | | 0.21 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 20.5 | | 0.16 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 20.5 | | 0.27 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 19.9 | | 0.28 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 19.9 | | 0.23 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 19.6 | | 0.23 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 20.1 | | 1.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 98.7 | | 0.98 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 19.5 | | 0.25 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 19.9 | | 0.19 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 17.5 | | 0.22 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 20.1 | | 0.25 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 19.4 | | 0.20 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 19.3 | | 0.16 | 1.00 | ug/L |
| 71-43-2 | Benzene | 19.8 | | 0.15 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 20.3 | | 0.22 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 18.9 | | 0.090 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 19.9 | | 0.20 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 20.0 | | 0.22 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 100 | | 0.68 | 5.00 | ug/L |
| 108-88-3 | Toluene | 20.1 | | 0.14 | 1.00 | ug/L |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Capra | Date Received: | |
| Client Sample ID: | VX0703WBSD01 | SDG No.: | Q2503 |
| Lab Sample ID: | VX0703WBSD01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX046874.D | 1 | 07/03/25 10:23 | VX070325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 19.8 | | 0.17 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 20.3 | | 0.16 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 20.7 | | 0.21 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 100 | | 0.89 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 20.0 | | 0.18 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 20.1 | | 0.15 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 19.3 | | 0.23 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 19.4 | | 0.12 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 19.7 | | 0.13 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 39.9 | | 0.24 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 19.7 | | 0.12 | 1.00 | ug/L |
| 100-42-5 | Styrene | 20.1 | | 0.15 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 19.3 | | 0.19 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 19.2 | | 0.12 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 19.4 | | 0.26 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 19.4 | | 0.16 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 18.8 | | 0.19 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 19.5 | | 0.16 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 18.9 | | 0.53 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 18.3 | | 0.20 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 19.5 | | 0.20 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 51.3 | | 74 - 125 | 103% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.8 | | 75 - 124 | 100% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.3 | | 86 - 113 | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 51.1 | | 77 - 121 | 102% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 340000 | 5.556 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 568000 | 6.763 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 518000 | 10.049 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 270000 | 12.018 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Capra | Date Received: | |
| Client Sample ID: | VX0703WBSD01 | SDG No.: | Q2503 |
| Lab Sample ID: | VX0703WBSD01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX046874.D | 1 | 07/03/25 10:23 | VX070325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|

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

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

# CALIBRATION SUMMARY

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# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG No.: Q2503

Instrument ID: MSVOA_W | Calibration Date(s): 06/30/2025 06/30/2025

Heated Purge: (Y/N) Y | Calibration Time(s): 09:54 12:55

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

LAB FILE ID: RRF005 = VW031729.D RRF010 = VW031730.D RRF020 = VW031731.D
RRF050 = VW031732.D RRF100 = VW031733.D RRF150 = VW031734.D

| COMPOUND | RRF005 | RRF010 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.330 | 0.371 | 0.352 | 0.310 | 0.329 | 0.351 | 0.341 | 6.3 |
| Chloromethane | 0.409 | 0.410 | 0.428 | 0.375 | 0.405 | 0.436 | 0.411 | 5.1 |
| Vinyl Chloride | 0.523 | 0.534 | 0.576 | 0.514 | 0.545 | 0.546 | 0.540 | 4 |
| Bromomethane | 0.429 | 0.431 | 0.443 | 0.396 | 0.412 | 0.418 | 0.421 | 3.9 |
| Chloroethane | 0.370 | 0.372 | 0.379 | 0.347 | 0.360 | 0.372 | 0.367 | 3.1 |
| Trichlorofluoromethane | 0.509 | 0.508 | 0.442 | 0.469 | 0.466 | 0.546 | 0.490 | 7.7 |
| 1,1,2-Trichlorotrifluoroethane | 0.577 | 0.563 | 0.569 | 0.508 | 0.517 | 0.530 | 0.544 | 5.4 |
| 1,1-Dichloroethene | 0.602 | 0.625 | 0.622 | 0.556 | 0.581 | 0.588 | 0.596 | 4.4 |
| Acetone | 0.238 | 0.191 | 0.171 | 0.163 | 0.157 | 0.144 | 0.177 | 18.8 |
| Carbon Disulfide | 1.571 | 1.588 | 1.647 | 1.536 | 1.590 | 1.633 | 1.594 | 2.5 |
| Methyl tert-butyl Ether | 1.007 | 1.018 | 1.038 | 1.033 | 0.982 | 0.988 | 1.011 | 2.3 |
| Methyl Acetate | 0.540 | 0.523 | 0.498 | 0.528 | 0.467 | 0.485 | 0.507 | 5.6 |
| Methylene Chloride | 1.029 | 0.980 | 0.905 | 0.692 | 0.655 | 0.626 | 0.814 | 21.7 |
| trans-1,2-Dichloroethene | 0.635 | 0.623 | 0.667 | 0.613 | 0.631 | 0.629 | 0.633 | 2.9 |
| 1,1-Dichloroethane | 1.154 | 1.163 | 1.219 | 1.116 | 1.131 | 1.153 | 1.156 | 3.1 |
| Cyclohexane | 1.175 | 1.065 | 1.033 | 0.937 | 0.940 | 0.981 | 1.022 | 8.9 |
| 2-Butanone | 0.224 | 0.224 | 0.221 | 0.249 | 0.231 | 0.237 | 0.231 | 4.6 |
| Carbon Tetrachloride | 0.477 | 0.498 | 0.498 | 0.461 | 0.468 | 0.485 | 0.481 | 3.2 |
| cis-1,2-Dichloroethene | 0.711 | 0.709 | 0.754 | 0.716 | 0.736 | 0.740 | 0.728 | 2.5 |
| Bromochloromethane | 0.531 | 0.501 | 0.535 | 0.504 | 0.500 | 0.489 | 0.510 | 3.7 |
| Chloroform | 1.230 | 1.239 | 1.299 | 1.204 | 1.189 | 1.208 | 1.228 | 3.2 |
| 1,1,1-Trichloroethane | 0.933 | 0.983 | 0.971 | 0.925 | 0.907 | 0.959 | 0.946 | 3.1 |
| Methylcyclohexane | 0.573 | 0.571 | 0.604 | 0.566 | 0.592 | 0.619 | 0.587 | 3.6 |
| Benzene | 1.410 | 1.394 | 1.483 | 1.375 | 1.349 | 1.371 | 1.397 | 3.4 |
| 1,2-Dichloroethane | 0.490 | 0.490 | 0.493 | 0.464 | 0.449 | 0.445 | 0.472 | 4.7 |
| Trichloroethene | 0.344 | 0.346 | 0.367 | 0.344 | 0.337 | 0.354 | 0.349 | 3.1 |
| 1,2-Dichloropropane | 0.348 | 0.344 | 0.353 | 0.331 | 0.324 | 0.325 | 0.338 | 3.7 |
| Bromodichloromethane | 0.509 | 0.512 | 0.524 | 0.511 | 0.502 | 0.510 | 0.511 | 1.4 |
| 4-Methyl-2-Pentanone | 0.285 | 0.301 | 0.295 | 0.313 | 0.289 | 0.287 | 0.295 | 3.5 |
| Toluene | 0.882 | 0.898 | 0.938 | 0.876 | 0.874 | 0.899 | 0.894 | 2.7 |

* 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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# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG No.: Q2503

Instrument ID: MSVOA_W | Calibration Date(s): 06/30/2025 06/30/2025

Heated Purge: (Y/N) Y | Calibration Time(s): 09:54 12:55

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

LAB FILE ID: RRF005 = VW031729.D RRF010 = VW031730.D RRF020 = VW031731.D
RRF050 = VW031732.D RRF100 = VW031733.D RRF150 = VW031734.D

| COMPOUND | RRF005 | RRF010 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| t-1,3-Dichloropropene | 0.432 | 0.460 | 0.491 | 0.496 | 0.497 | 0.500 | 0.480 | 5.7 |
| cis-1,3-Dichloropropene | 0.514 | 0.521 | 0.571 | 0.549 | 0.547 | 0.560 | 0.544 | 4.1 |
| 1,1,2-Trichloroethane | 0.299 | 0.282 | 0.299 | 0.285 | 0.275 | 0.273 | 0.286 | 4 |
| 2-Hexanone | 0.185 | 0.201 | 0.195 | 0.219 | 0.201 | 0.199 | 0.200 | 5.6 |
| Dibromochloromethane | 0.329 | 0.332 | 0.353 | 0.352 | 0.336 | 0.345 | 0.341 | 3 |
| 1,2-Dibromoethane | 0.288 | 0.285 | 0.296 | 0.290 | 0.274 | 0.281 | 0.286 | 2.7 |
| Tetrachloroethene | 0.331 | 0.321 | 0.324 | 0.314 | 0.329 | 0.344 | 0.327 | 3.2 |
| Chlorobenzene | 1.128 | 1.116 | 1.116 | 1.062 | 1.078 | 1.120 | 1.103 | 2.4 |
| Ethyl Benzene | 1.860 | 1.899 | 1.911 | 1.885 | 1.934 | 1.989 | 1.913 | 2.3 |
| m/p-Xylenes | 0.690 | 0.730 | 0.751 | 0.727 | 0.750 | 0.764 | 0.735 | 3.6 |
| o-Xylene | 0.636 | 0.654 | 0.685 | 0.682 | 0.705 | 0.723 | 0.681 | 4.7 |
| Styrene | 1.066 | 1.154 | 1.195 | 1.209 | 1.206 | 1.232 | 1.177 | 5.1 |
| Bromoform | 0.197 | 0.202 | 0.203 | 0.219 | 0.215 | 0.223 | 0.210 | 5.1 |
| Isopropylbenzene | 3.643 | 3.549 | 3.683 | 3.732 | 4.080 | 4.132 | 3.803 | 6.4 |
| 1,1,2,2-Tetrachloroethane | 0.891 | 0.839 | 0.812 | 0.843 | 0.829 | 0.852 | 0.844 | 3.2 |
| 1,3-Dichlorobenzene | 1.771 | 1.705 | 1.683 | 1.644 | 1.681 | 1.723 | 1.701 | 2.5 |
| 1,4-Dichlorobenzene | 1.815 | 1.750 | 1.700 | 1.702 | 1.735 | 1.745 | 1.741 | 2.4 |
| 1,2-Dichlorobenzene | 1.599 | 1.518 | 1.511 | 1.575 | 1.563 | 1.563 | 1.555 | 2.2 |
| 1,2-Dibromo-3-Chloropropane | 0.169 | 0.159 | 0.153 | 0.166 | 0.167 | 0.174 | 0.165 | 4.6 |
| 1,2,4-Trichlorobenzene | 0.965 | 0.899 | 0.929 | 0.933 | 1.000 | 1.028 | 0.959 | 5 |
| 1,2,3-Trichlorobenzene | 0.863 | 0.865 | 0.827 | 0.862 | 0.944 | 0.926 | 0.881 | 5 |
| 1,2-Dichloroethane-d4 | 0.731 | 0.732 | 0.739 | 0.715 | 0.702 | 0.687 | 0.718 | 2.8 |
| Dibromofluoromethane | 0.322 | 0.324 | 0.348 | 0.324 | 0.327 | 0.312 | 0.326 | 3.6 |
| Toluene-d8 | 1.121 | 1.245 | 1.290 | 1.208 | 1.229 | 1.193 | 1.214 | 4.7 |
| 4-Bromofluorobenzene | 0.436 | 0.452 | 0.463 | 0.447 | 0.450 | 0.434 | 0.447 | 2.4 |

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

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# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG No.: Q2503

Instrument ID: MSVOA_X | Calibration Date(s): 07/02/2025 07/02/2025

Heated Purge: (Y/N) N | Calibration Time(s): 12:11 14:31

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX046860.D RRF005 = VX046861.D RRF020 = VX046862.D
RRF050 = VX046863.D RRF100 = VX046864.D RRF150 = VX046865.D

| COMPOUND | RRF001 | RRF005 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.445 | 0.433 | 0.512 | 0.487 | 0.503 | 0.490 | 0.478 | 6.7 |
| Chloromethane | 0.505 | 0.507 | 0.541 | 0.508 | 0.543 | 0.530 | 0.522 | 3.4 |
| Vinyl Chloride | 0.568 | 0.549 | 0.591 | 0.550 | 0.589 | 0.566 | 0.569 | 3.2 |
| Bromomethane | | 0.402 | 0.402 | 0.360 | 0.369 | 0.295 | 0.366 | 12 |
| Chloroethane | 0.443 | 0.365 | 0.383 | 0.347 | 0.362 | 0.354 | 0.376 | 9.4 |
| Trichlorofluoromethane | 0.847 | 0.874 | 0.921 | 0.857 | 0.893 | 0.885 | 0.880 | 3 |
| 1,1,2-Trichlorotrifluoroethane | 0.527 | 0.571 | 0.583 | 0.548 | 0.572 | 0.562 | 0.561 | 3.6 |
| 1,1-Dichloroethene | 0.543 | 0.555 | 0.546 | 0.524 | 0.546 | 0.540 | 0.542 | 1.9 |
| Acetone | 0.236 | 0.210 | 0.195 | 0.193 | 0.197 | 0.200 | 0.205 | 7.9 |
| Carbon Disulfide | 1.585 | 1.425 | 1.405 | 1.342 | 1.398 | 1.376 | 1.422 | 6 |
| Methyl tert-butyl Ether | 1.447 | 1.470 | 1.540 | 1.528 | 1.587 | 1.615 | 1.531 | 4.2 |
| Methyl Acetate | 0.488 | 0.474 | 0.560 | 0.553 | 0.570 | 0.599 | 0.541 | 9.1 |
| Methylene Chloride | 0.623 | 0.625 | 0.624 | 0.585 | 0.596 | 0.588 | 0.607 | 3.1 |
| trans-1,2-Dichloroethene | 0.552 | 0.564 | 0.575 | 0.541 | 0.551 | 0.545 | 0.555 | 2.3 |
| 1,1-Dichloroethane | 1.080 | 1.084 | 1.074 | 1.039 | 1.055 | 1.050 | 1.064 | 1.7 |
| Cyclohexane | | 0.973 | 0.977 | 0.918 | 0.926 | 0.927 | 0.944 | 3 |
| 2-Butanone | 0.260 | 0.270 | 0.275 | 0.275 | 0.276 | 0.286 | 0.274 | 3.1 |
| Carbon Tetrachloride | 0.471 | 0.505 | 0.495 | 0.476 | 0.480 | 0.478 | 0.484 | 2.7 |
| cis-1,2-Dichloroethene | 0.711 | 0.669 | 0.688 | 0.660 | 0.670 | 0.666 | 0.677 | 2.8 |
| Bromochloromethane | 0.529 | 0.543 | 0.524 | 0.528 | 0.516 | 0.508 | 0.525 | 2.3 |
| Chloroform | 1.150 | 1.106 | 1.112 | 1.048 | 1.052 | 1.050 | 1.087 | 3.9 |
| 1,1,1-Trichloroethane | 0.944 | 0.897 | 0.908 | 0.886 | 0.901 | 0.910 | 0.908 | 2.2 |
| Methylcyclohexane | 0.539 | 0.588 | 0.589 | 0.567 | 0.578 | 0.576 | 0.573 | 3.2 |
| Benzene | 1.391 | 1.445 | 1.452 | 1.356 | 1.342 | 1.324 | 1.385 | 3.9 |
| 1,2-Dichloroethane | 0.499 | 0.477 | 0.487 | 0.460 | 0.453 | 0.446 | 0.470 | 4.4 |
| Trichloroethene | 0.386 | 0.377 | 0.365 | 0.344 | 0.347 | 0.344 | 0.361 | 5 |
| 1,2-Dichloropropane | 0.364 | 0.340 | 0.362 | 0.346 | 0.345 | 0.342 | 0.350 | 3 |
| Bromodichloromethane | 0.538 | 0.508 | 0.535 | 0.510 | 0.508 | 0.507 | 0.518 | 2.9 |
| 4-Methyl-2-Pentanone | 0.330 | 0.340 | 0.368 | 0.366 | 0.353 | 0.357 | 0.353 | 4.3 |
| Toluene | 0.855 | 0.894 | 0.906 | 0.841 | 0.831 | 0.823 | 0.858 | 3.9 |

* 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: GENV01

Lab Code: ACE SDG No.: Q2503

Instrument ID: MSVOA_X Calibration Date(s): 07/02/2025 07/02/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:11 14:31

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX046860.D RRF005 = VX046861.D RRF020 = VX046862.D
RRF050 = VX046863.D RRF100 = VX046864.D RRF150 = VX046865.D

| COMPOUND | RRF001 | RRF005 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| t-1,3-Dichloropropene | 0.408 | 0.431 | 0.467 | 0.472 | 0.490 | 0.504 | 0.462 | 7.8 |
| cis-1,3-Dichloropropene | 0.496 | 0.499 | 0.532 | 0.533 | 0.549 | 0.554 | 0.527 | 4.7 |
| 1,1,2-Trichloroethane | 0.325 | 0.329 | 0.328 | 0.318 | 0.310 | 0.308 | 0.320 | 2.8 |
| 2-Hexanone | 0.205 | 0.227 | 0.245 | 0.247 | 0.238 | 0.242 | 0.234 | 6.8 |
| Dibromochloromethane | 0.383 | 0.390 | 0.393 | 0.377 | 0.376 | 0.377 | 0.383 | 1.9 |
| 1,2-Dibromoethane | 0.323 | 0.317 | 0.332 | 0.320 | 0.317 | 0.317 | 0.321 | 1.8 |
| Tetrachloroethene | 0.353 | 0.346 | 0.345 | 0.315 | 0.320 | 0.318 | 0.333 | 5.1 |
| Chlorobenzene | 1.111 | 1.117 | 1.113 | 1.049 | 1.051 | 1.045 | 1.081 | 3.3 |
| Ethyl Benzene | 1.810 | 1.868 | 1.929 | 1.830 | 1.846 | 1.824 | 1.851 | 2.3 |
| m/p-Xylenes | 0.702 | 0.710 | 0.731 | 0.688 | 0.683 | 0.672 | 0.698 | 3.1 |
| o-Xylene | 0.676 | 0.677 | 0.703 | 0.665 | 0.663 | 0.660 | 0.674 | 2.4 |
| Styrene | 1.070 | 1.152 | 1.228 | 1.175 | 1.157 | 1.134 | 1.153 | 4.5 |
| Bromoform | 0.269 | 0.261 | 0.273 | 0.269 | 0.275 | 0.275 | 0.270 | 1.9 |
| Isopropylbenzene | 3.267 | 3.428 | 3.611 | 3.601 | 3.592 | 3.590 | 3.515 | 4 |
| 1,1,2,2-Tetrachloroethane | 1.000 | 0.948 | 0.981 | 0.963 | 0.939 | 0.968 | 0.966 | 2.3 |
| 1,3-Dichlorobenzene | 1.615 | 1.664 | 1.673 | 1.627 | 1.625 | 1.619 | 1.637 | 1.5 |
| 1,4-Dichlorobenzene | 1.852 | 1.776 | 1.711 | 1.632 | 1.622 | 1.632 | 1.704 | 5.5 |
| 1,2-Dichlorobenzene | 1.626 | 1.592 | 1.625 | 1.568 | 1.560 | 1.550 | 1.587 | 2.1 |
| 1,2-Dibromo-3-Chloropropane | 0.158 | 0.151 | 0.164 | 0.171 | 0.178 | 0.192 | 0.169 | 8.7 |
| 1,2,4-Trichlorobenzene | 1.016 | 1.020 | 1.078 | 1.087 | 1.121 | 1.145 | 1.078 | 4.9 |
| 1,2,3-Trichlorobenzene | 0.900 | 0.965 | 1.033 | 1.045 | 1.069 | 1.099 | 1.019 | 7.2 |
| 1,2-Dichloroethane-d4 | | 0.722 | 0.652 | 0.647 | 0.641 | 0.640 | 0.661 | 5.3 |
| Dibromofluoromethane | | 0.355 | 0.346 | 0.339 | 0.332 | 0.325 | 0.339 | 3.5 |
| Toluene-d8 | | 1.278 | 1.220 | 1.195 | 1.160 | 1.135 | 1.197 | 4.6 |
| 4-Bromofluorobenzene | | 0.493 | 0.469 | 0.455 | 0.433 | 0.426 | 0.455 | 6 |

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

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Fax : 908 789 8922



## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q2503
Instrument ID: MSVOA_W
Calibration Date/Time: 07/14/2025 09:17
Lab File ID: VW031836.D
Init. Calib. Date(s): 06/30/2025 06/30/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:54 12:55
GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.341 | 0.280 | | -17.89 | 20 |
| Chloromethane | 0.411 | 0.378 | 0.1 | -8.03 | 20 |
| Vinyl Chloride | 0.540 | 0.531 | | -1.67 | 20 |
| Bromomethane | 0.421 | 0.400 | | -4.99 | 20 |
| Chloroethane | 0.367 | 0.358 | | -2.45 | 20 |
| Trichlorofluoromethane | 0.490 | 0.456 | | -6.94 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.544 | 0.533 | | -2.02 | 20 |
| 1,1-Dichloroethene | 0.596 | 0.589 | | -1.17 | 20 |
| Acetone | 0.177 | 0.145 | | -18.08 | 20 |
| Carbon Disulfide | 1.594 | 1.487 | | -6.71 | 20 |
| Methyl tert-butyl Ether | 1.011 | 1.128 | | 11.57 | 20 |
| Methyl Acetate | 0.507 | 0.534 | | 5.32 | 20 |
| Methylene Chloride | 0.814 | 0.750 | | -7.86 | 20 |
| trans-1,2-Dichloroethene | 0.633 | 0.635 | | 0.32 | 20 |
| 1,1-Dichloroethane | 1.156 | 1.213 | 0.1 | 4.93 | 20 |
| Cyclohexane | 1.022 | 0.980 | | -4.11 | 20 |
| 2-Butanone | 0.231 | 0.228 | | -1.3 | 20 |
| Carbon Tetrachloride | 0.481 | 0.486 | | 1.04 | 20 |
| cis-1,2-Dichloroethene | 0.728 | 0.791 | | 8.65 | 20 |
| Bromochloromethane | 0.510 | 0.541 | | 6.08 | 20 |
| Chloroform | 1.228 | 1.308 | | 6.51 | 20 |
| 1,1,1-Trichloroethane | 0.946 | 0.958 | | 1.27 | 20 |
| Methylcyclohexane | 0.587 | 0.596 | | 1.53 | 20 |
| Benzene | 1.397 | 1.493 | | 6.87 | 20 |
| 1,2-Dichloroethane | 0.472 | 0.504 | | 6.78 | 20 |
| Trichloroethene | 0.349 | 0.356 | | 2.01 | 20 |
| 1,2-Dichloropropane | 0.338 | 0.370 | | 9.47 | 20 |
| Bromodichloromethane | 0.511 | 0.557 | | 9 | 20 |
| 4-Methyl-2-Pentanone | 0.295 | 0.307 | | 4.07 | 20 |
| Toluene | 0.894 | 0.965 | | 7.94 | 20 |
| t-1,3-Dichloropropene | 0.480 | 0.537 | | 11.88 | 20 |
| cis-1,3-Dichloropropene | 0.544 | 0.609 | | 11.95 | 20 |
| 1,1,2-Trichloroethane | 0.286 | 0.308 | | 7.69 | 20 |
| 2-Hexanone | 0.200 | 0.211 | | 5.5 | 20 |
| Dibromochloromethane | 0.341 | 0.372 | | 9.09 | 20 |
| 1,2-Dibromoethane | 0.286 | 0.299 | | 4.55 | 20 |
| Tetrachloroethene | 0.327 | 0.316 | | -3.36 | 20 |
| Chlorobenzene | 1.103 | 1.152 | 0.3 | 4.44 | 20 |

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

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## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG No.: Q2503

Instrument ID: MSVOA_W | Calibration Date/Time: 07/14/2025 09:17

Lab File ID: VW031836.D | Init. Calib. Date(s): 06/30/2025 06/30/2025

Heated Purge: (Y/N) Y | Init. Calib. Time(s): 09:54 12:55

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.913 | 2.034 | | 6.32 | 20 |
| m/p-Xylenes | 0.735 | 0.786 | | 6.94 | 20 |
| o-Xylene | 0.681 | 0.751 | | 10.28 | 20 |
| Styrene | 1.177 | 1.279 | | 8.67 | 20 |
| Bromoform | 0.210 | 0.216 | 0.1 | 2.86 | 20 |
| Isopropylbenzene | 3.803 | 4.171 | | 9.68 | 20 |
| 1,1,2,2-Tetrachloroethane | 0.844 | 0.921 | 0.3 | 9.12 | 20 |
| 1,3-Dichlorobenzene | 1.701 | 1.869 | | 9.88 | 20 |
| 1,4-Dichlorobenzene | 1.741 | 1.813 | | 4.14 | 20 |
| 1,2-Dichlorobenzene | 1.555 | 1.670 | | 7.39 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.165 | 0.166 | | 0.61 | 20 |
| 1,2,4-Trichlorobenzene | 0.959 | 0.982 | | 2.4 | 20 |
| 1,2,3-Trichlorobenzene | 0.881 | 0.953 | | 8.17 | 20 |
| 1,2-Dichloroethane-d4 | 0.718 | 0.717 | | -0.14 | 20 |
| Dibromofluoromethane | 0.326 | 0.332 | | 1.84 | 20 |
| Toluene-d8 | 1.214 | 1.228 | | 1.15 | 20 |
| 4-Bromofluorobenzene | 0.447 | 0.466 | | 4.25 | 20 |

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

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## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q2503
Instrument ID: MSVOA_X
Calibration Date/Time: 07/03/2025 08:19
Lab File ID: VX046869.D
Init. Calib. Date(s): 07/02/2025 07/02/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 12:11 14:31
GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.478 | 0.537 | | 12.34 | 20 |
| Chloromethane | 0.522 | 0.558 | 0.1 | 6.9 | 20 |
| Vinyl Chloride | 0.569 | 0.604 | | 6.15 | 20 |
| Bromomethane | 0.366 | 0.389 | | 6.28 | 20 |
| Chloroethane | 0.376 | 0.375 | | -0.27 | 20 |
| Trichlorofluoromethane | 0.880 | 0.928 | | 5.45 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.561 | 0.587 | | 4.64 | 20 |
| 1,1-Dichloroethene | 0.542 | 0.555 | | 2.4 | 20 |
| Acetone | 0.205 | 0.211 | | 2.93 | 20 |
| Carbon Disulfide | 1.422 | 1.427 | | 0.35 | 20 |
| Methyl tert-butyl Ether | 1.531 | 1.544 | | 0.85 | 20 |
| Methyl Acetate | 0.541 | 0.539 | | -0.37 | 20 |
| Methylene Chloride | 0.607 | 0.613 | | 0.99 | 20 |
| trans-1,2-Dichloroethene | 0.555 | 0.565 | | 1.8 | 20 |
| 1,1-Dichloroethane | 1.064 | 1.066 | 0.1 | 0.19 | 20 |
| Cyclohexane | 0.944 | 0.920 | | -2.54 | 20 |
| 2-Butanone | 0.274 | 0.255 | | -6.93 | 20 |
| Carbon Tetrachloride | 0.484 | 0.485 | | 0.21 | 20 |
| cis-1,2-Dichloroethene | 0.677 | 0.672 | | -0.74 | 20 |
| Bromochloromethane | 0.525 | 0.520 | | -0.95 | 20 |
| Chloroform | 1.087 | 1.054 | | -3.04 | 20 |
| 1,1,1-Trichloroethane | 0.908 | 0.890 | | -1.98 | 20 |
| Methylcyclohexane | 0.573 | 0.568 | | -0.87 | 20 |
| Benzene | 1.385 | 1.373 | | -0.87 | 20 |
| 1,2-Dichloroethane | 0.470 | 0.464 | | -1.28 | 20 |
| Trichloroethene | 0.361 | 0.350 | | -3.05 | 20 |
| 1,2-Dichloropropane | 0.350 | 0.343 | | -2 | 20 |
| Bromodichloromethane | 0.518 | 0.510 | | -1.54 | 20 |
| 4-Methyl-2-Pentanone | 0.353 | 0.332 | | -5.95 | 20 |
| Toluene | 0.858 | 0.841 | | -1.98 | 20 |
| t-1,3-Dichloropropene | 0.462 | 0.460 | | -0.43 | 20 |
| cis-1,3-Dichloropropene | 0.527 | 0.530 | | 0.57 | 20 |
| 1,1,2-Trichloroethane | 0.320 | 0.308 | | -3.75 | 20 |
| 2-Hexanone | 0.234 | 0.224 | | -4.27 | 20 |
| Dibromochloromethane | 0.383 | 0.374 | | -2.35 | 20 |
| 1,2-Dibromoethane | 0.321 | 0.309 | | -3.74 | 20 |
| Tetrachloroethene | 0.333 | 0.324 | | -2.7 | 20 |
| Chlorobenzene | 1.081 | 1.046 | 0.3 | -3.24 | 20 |

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

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## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG No.: Q2503

Instrument ID: MSVOA_X | Calibration Date/Time: 07/03/2025 08:19

Lab File ID: VX046869.D | Init. Calib. Date(s): 07/02/2025 07/02/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 12:11 14:31

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.851 | 1.835 | | -0.86 | 20 |
| m/p-Xylenes | 0.698 | 0.690 | | -1.15 | 20 |
| o-Xylene | 0.674 | 0.666 | | -1.19 | 20 |
| Styrene | 1.153 | 1.148 | | -0.43 | 20 |
| Bromoform | 0.270 | 0.264 | 0.1 | -2.22 | 20 |
| Isopropylbenzene | 3.515 | 3.558 | | 1.22 | 20 |
| 1,1,2,2-Tetrachloroethane | 0.966 | 0.901 | 0.3 | -6.73 | 20 |
| 1,3-Dichlorobenzene | 1.637 | 1.599 | | -2.32 | 20 |
| 1,4-Dichlorobenzene | 1.704 | 1.592 | | -6.57 | 20 |
| 1,2-Dichlorobenzene | 1.587 | 1.508 | | -4.98 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.169 | 0.156 | | -7.69 | 20 |
| 1,2,4-Trichlorobenzene | 1.078 | 1.054 | | -2.23 | 20 |
| 1,2,3-Trichlorobenzene | 1.019 | 0.991 | | -2.75 | 20 |
| 1,2-Dichloroethane-d4 | 0.661 | 0.644 | | -2.57 | 20 |
| Dibromofluoromethane | 0.339 | 0.351 | | 3.54 | 20 |
| Toluene-d8 | 1.197 | 1.191 | | -0.5 | 20 |
| 4-Bromofluorobenzene | 0.455 | 0.447 | | -1.76 | 20 |

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

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## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q2503
Instrument ID: MSVOA_X
Calibration Date/Time: 07/15/2025 10:18
Lab File ID: VX046988.D
Init. Calib. Date(s): 07/02/2025 07/02/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 12:11 14:31
GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.478 | 0.457 | | -4.39 | 20 |
| Chloromethane | 0.522 | 0.484 | 0.1 | -7.28 | 20 |
| Vinyl Chloride | 0.569 | 0.540 | | -5.1 | 20 |
| Bromomethane | 0.366 | 0.346 | | -5.46 | 20 |
| Chloroethane | 0.376 | 0.358 | | -4.79 | 20 |
| Trichlorofluoromethane | 0.880 | 0.905 | | 2.84 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.561 | 0.585 | | 4.28 | 20 |
| 1,1-Dichloroethene | 0.542 | 0.545 | | 0.55 | 20 |
| Acetone | 0.205 | 0.242 | | 18.05 | 20 |
| Carbon Disulfide | 1.422 | 1.192 | | -16.17 | 20 |
| Methyl tert-butyl Ether | 1.531 | 1.922 | | 25.54 | 20 |
| Methyl Acetate | 0.541 | 0.836 | | 54.53 | 20 |
| Methylene Chloride | 0.607 | 0.637 | | 4.94 | 20 |
| trans-1,2-Dichloroethene | 0.555 | 0.563 | | 1.44 | 20 |
| 1,1-Dichloroethane | 1.064 | 1.145 | 0.1 | 7.61 | 20 |
| Cyclohexane | 0.944 | 0.923 | | -2.22 | 20 |
| 2-Butanone | 0.274 | 0.372 | | 35.77 | 20 |
| Carbon Tetrachloride | 0.484 | 0.508 | | 4.96 | 20 |
| cis-1,2-Dichloroethene | 0.677 | 0.722 | | 6.65 | 20 |
| Bromochloromethane | 0.525 | 0.546 | | 4 | 20 |
| Chloroform | 1.087 | 1.183 | | 8.83 | 20 |
| 1,1,1-Trichloroethane | 0.908 | 0.989 | | 8.92 | 20 |
| Methylcyclohexane | 0.573 | 0.552 | | -3.66 | 20 |
| Benzene | 1.385 | 1.417 | | 2.31 | 20 |
| 1,2-Dichloroethane | 0.470 | 0.511 | | 8.72 | 20 |
| Trichloroethene | 0.361 | 0.358 | | -0.83 | 20 |
| 1,2-Dichloropropane | 0.350 | 0.374 | | 6.86 | 20 |
| Bromodichloromethane | 0.518 | 0.557 | | 7.53 | 20 |
| 4-Methyl-2-Pentanone | 0.353 | 0.470 | | 33.14 | 20 |
| Toluene | 0.858 | 0.884 | | 3.03 | 20 |
| t-1,3-Dichloropropene | 0.462 | 0.537 | | 16.23 | 20 |
| cis-1,3-Dichloropropene | 0.527 | 0.596 | | 13.09 | 20 |
| 1,1,2-Trichloroethane | 0.320 | 0.355 | | 10.94 | 20 |
| 2-Hexanone | 0.234 | 0.325 | | 38.89 | 20 |
| Dibromochloromethane | 0.383 | 0.420 | | 9.66 | 20 |
| 1,2-Dibromoethane | 0.321 | 0.356 | | 10.9 | 20 |
| Tetrachloroethene | 0.333 | 0.318 | | -4.51 | 20 |
| Chlorobenzene | 1.081 | 1.126 | 0.3 | 4.16 | 20 |

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

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## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG No.: Q2503

Instrument ID: MSVOA_X | Calibration Date/Time: 07/15/2025 10:18

Lab File ID: VX046988.D | Init. Calib. Date(s): 07/02/2025 07/02/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 12:11 14:31

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.851 | 1.966 | | 6.21 | 20 |
| m/p-Xylenes | 0.698 | 0.733 | | 5.01 | 20 |
| o-Xylene | 0.674 | 0.717 | | 6.38 | 20 |
| Styrene | 1.153 | 1.250 | | 8.41 | 20 |
| Bromoform | 0.270 | 0.304 | 0.1 | 12.59 | 20 |
| Isopropylbenzene | 3.515 | 3.870 | | 10.1 | 20 |
| 1,1,2,2-Tetrachloroethane | 0.966 | 1.147 | 0.3 | 18.74 | 20 |
| 1,3-Dichlorobenzene | 1.637 | 1.748 | | 6.78 | 20 |
| 1,4-Dichlorobenzene | 1.704 | 1.748 | | 2.58 | 20 |
| 1,2-Dichlorobenzene | 1.587 | 1.685 | | 6.18 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.169 | 0.226 | | 33.73 | 20 |
| 1,2,4-Trichlorobenzene | 1.078 | 1.174 | | 8.9 | 20 |
| 1,2,3-Trichlorobenzene | 1.019 | 1.128 | | 10.7 | 20 |
| 1,2-Dichloroethane-d4 | 0.661 | 0.719 | | 8.77 | 20 |
| Dibromofluoromethane | 0.339 | 0.359 | | 5.9 | 20 |
| Toluene-d8 | 1.197 | 1.212 | | 1.25 | 20 |
| 4-Bromofluorobenzene | 0.455 | 0.485 | | 6.59 | 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_X\Data\VX070325\
Data File : VX046886.D
Acq On : 03 Jul 2025 14:37
Operator : JC/MD
Sample : Q2503-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP2W

Quant Time: Jul 04 01:32:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

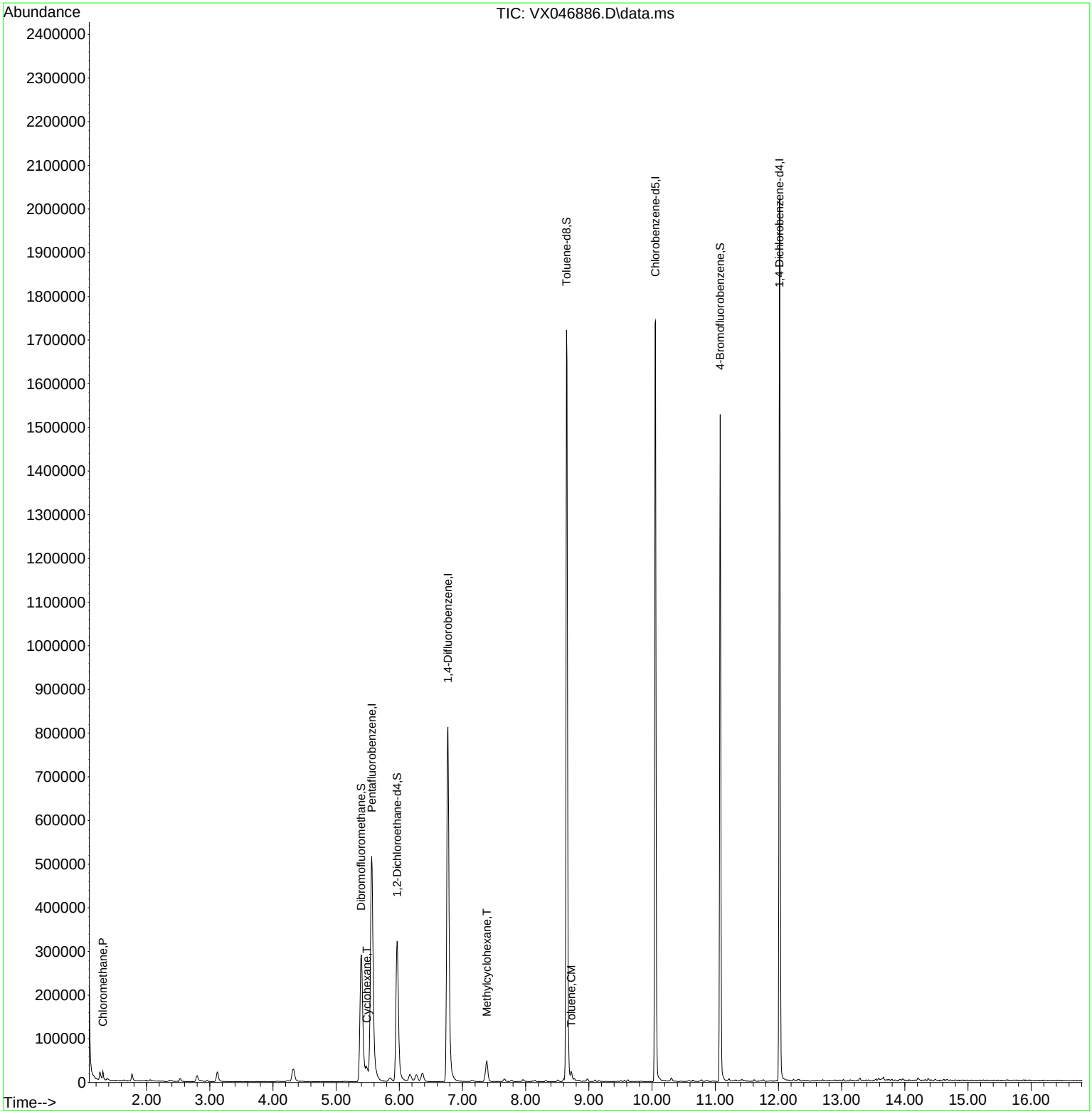
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 529972 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 893199 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 813566 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 408234 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 335135 | 47.867 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 95.740% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 285078 | 47.019 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 94.040% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 1067887 | 49.920 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 99.840% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 407032 | 50.065 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 100.120% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.307 | 50 | 13721 | 2.478 | ug/l | 96 |
| 31) Cyclohexane | 5.483 | 56 | 18536 | 1.852 | ug/l | 99 |
| 39) Methylcyclohexane | 7.385 | 83 | 20561 | 2.009 | ug/l | 99 |
| 52) Toluene | 8.720 | 92 | 7353 | 0.480 | ug/l | 95 |

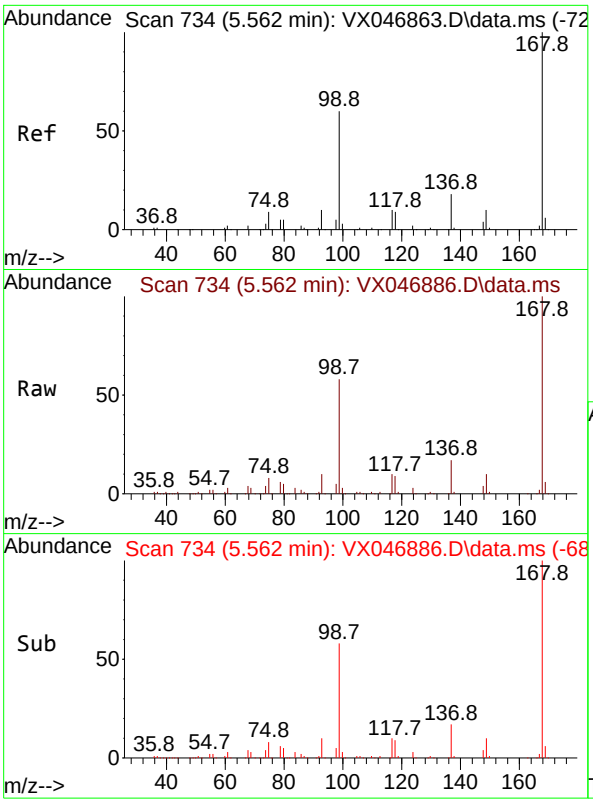
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046886.D
Acq On : 03 Jul 2025 14:37
Operator : JC/MD
Sample : Q2503-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP2W

Quant Time: Jul 04 01:32:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration



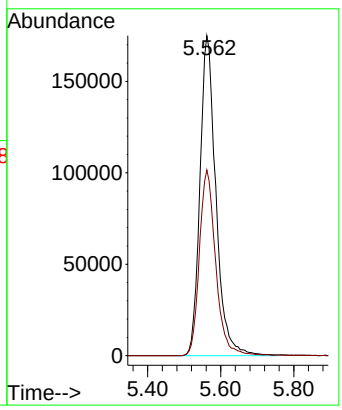


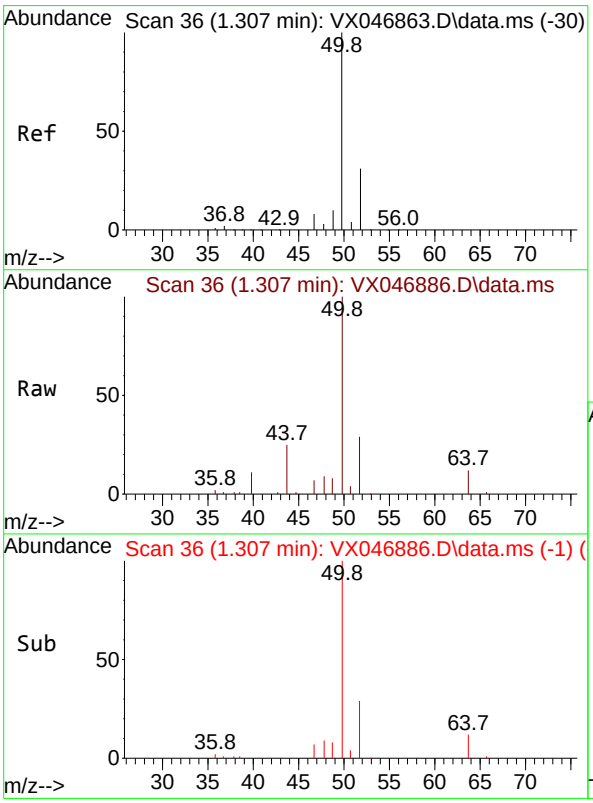

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP2W

Tgt Ion:168 Resp: 529972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.1 | 48.8 | 73.2 |

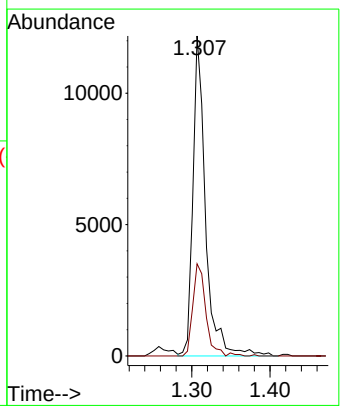


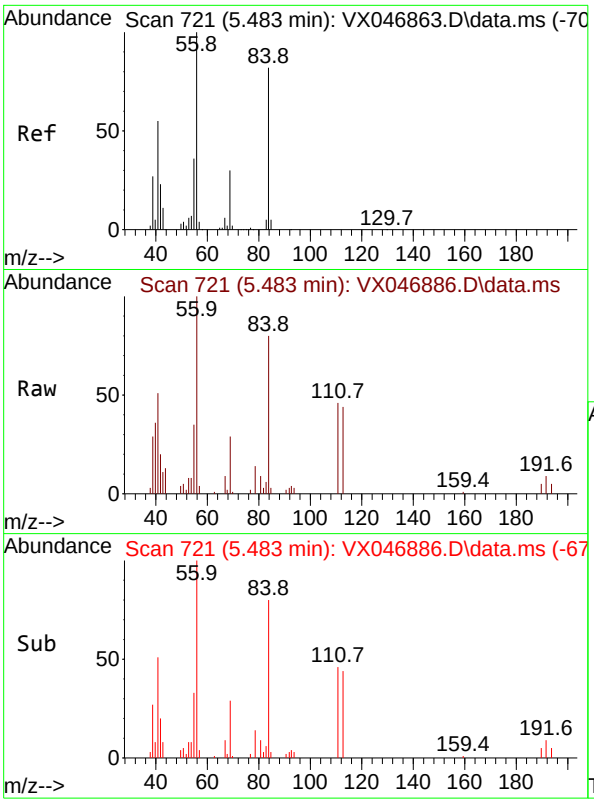




#3
Chloromethane
Concen: 2.478 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

Tgt Ion: 50 Resp: 13721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 28.8 | 25.0 | 37.4 |



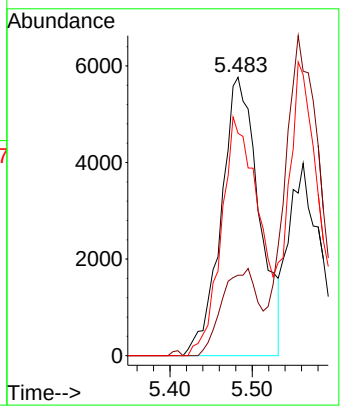


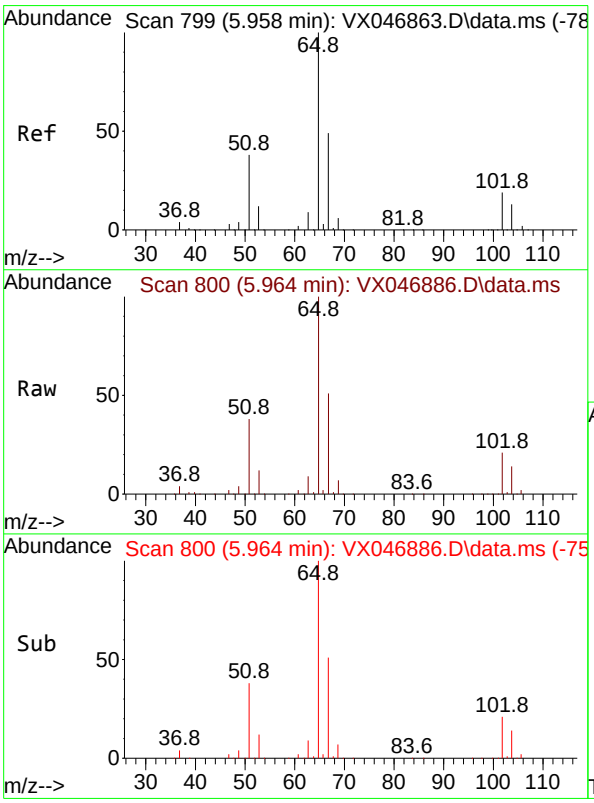

#31
Cyclohexane
Concen: 1.852 ug/l
RT: 5.483 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP2W

Tgt Ion: 56 Resp: 18536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 27.2 | 24.0 | 36.0 |
| 84 | 83.0 | 66.5 | 99.7 |

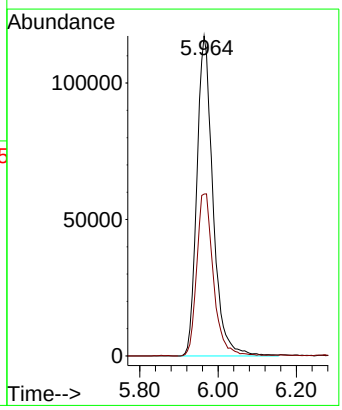


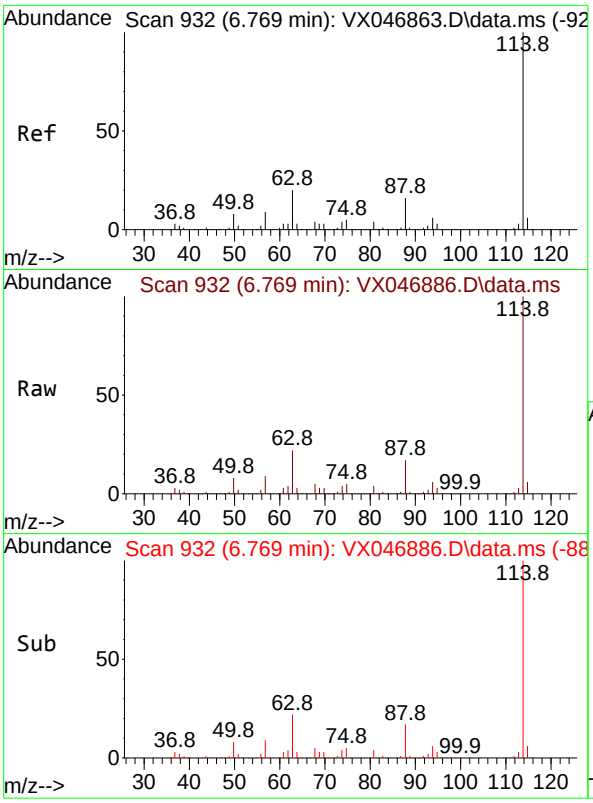




#33
1,2-Dichloroethane-d4
Concen: 47.867 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

Tgt Ion: 65 Resp: 335135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.7 | 0.0 | 105.2 |



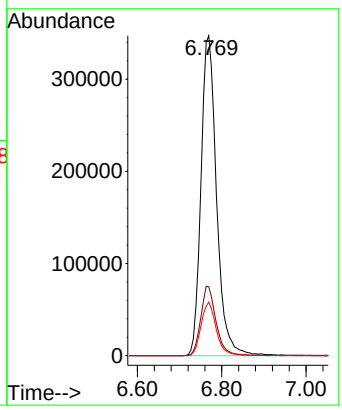


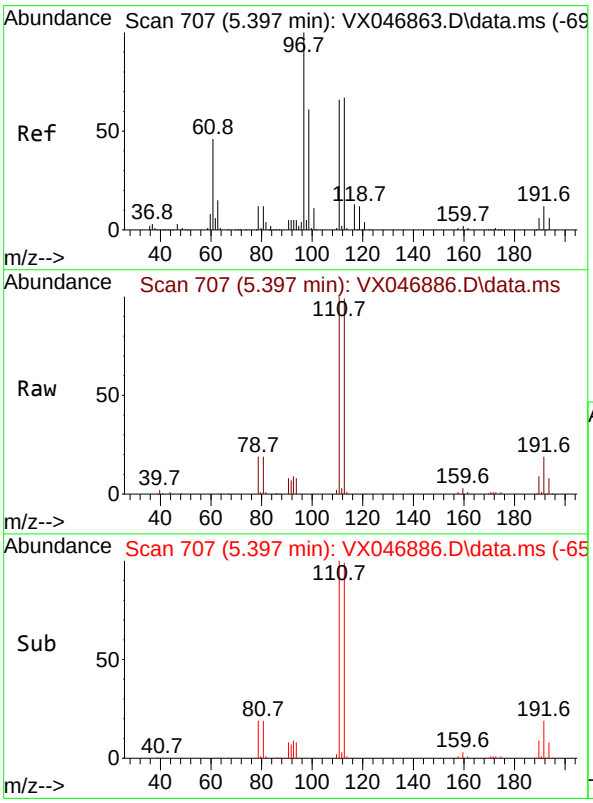

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP2W

Tgt Ion:114 Resp: 893199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.5 | 0.0 | 40.4 |
| 88 | 16.7 | 0.0 | 31.0 |

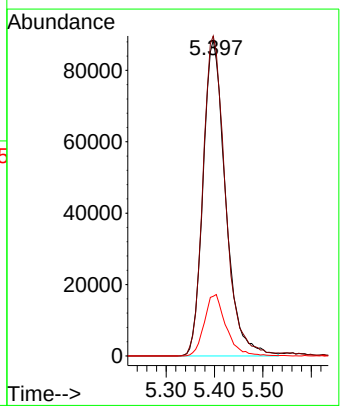


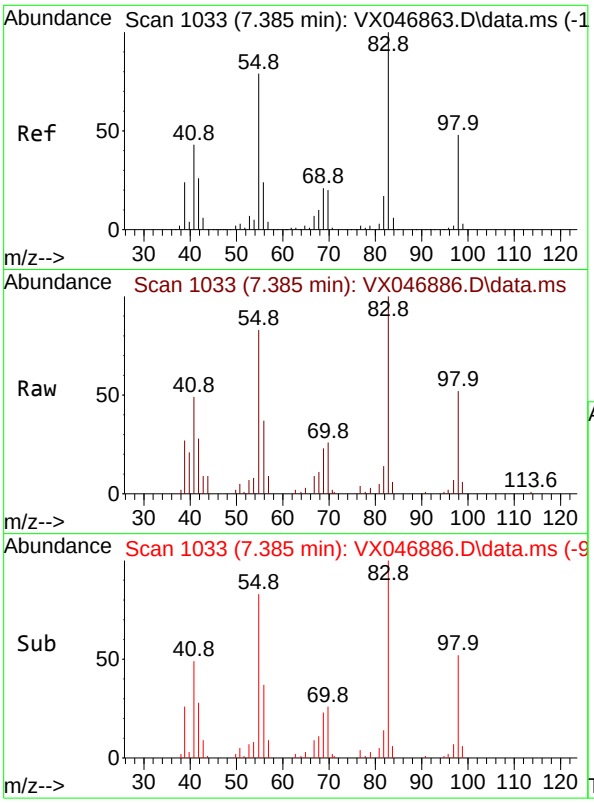

#35
Dibromofluoromethane
Concen: 47.019 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

Tgt Ion:113 Resp: 285078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.2 | 81.2 | 121.8 |
| 192 | 18.9 | 15.3 | 22.9 |



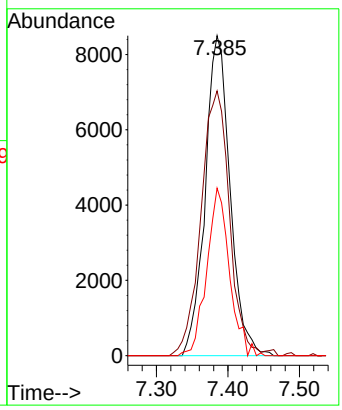
**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP2W

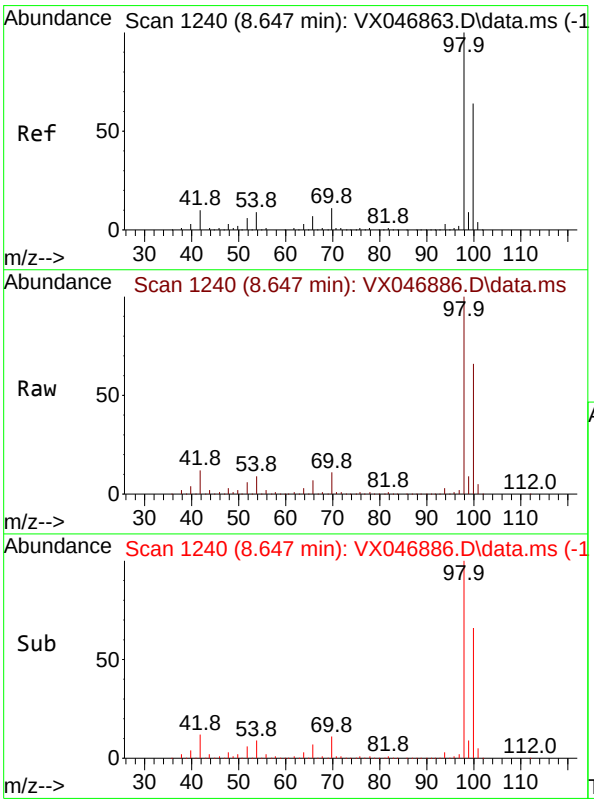



#39
Methylcyclohexane
Concen: 2.009 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

Tgt Ion: 83 Resp: 20561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 78.1 | 63.0 | 94.4 |
| 98 | 49.4 | 38.5 | 57.7 |

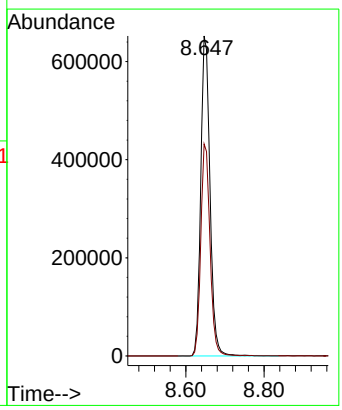


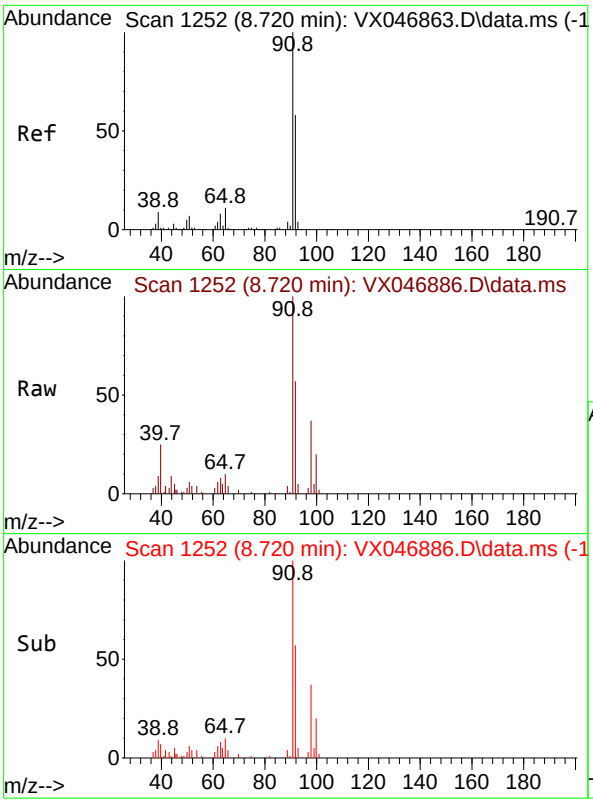




#50
Toluene-d8
Concen: 49.920 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

Tgt Ion: 98 Resp: 1067887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.3 | 53.0 | 79.6 |



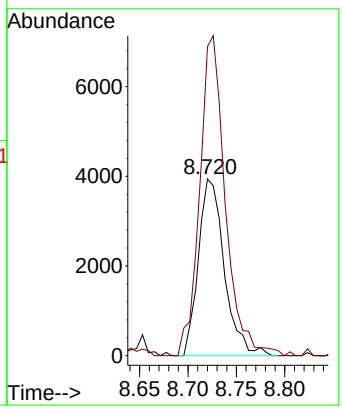


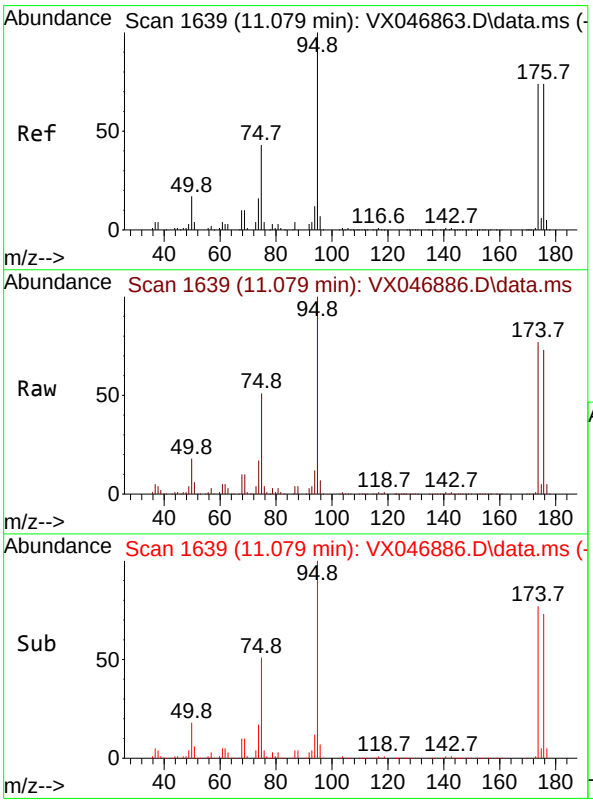

#52
Toluene
Concen: 0.480 ug/l
RT: 8.720 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP2W

Tgt Ion: 92 Resp: 7353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 179.5 | 137.9 | 206.9 |

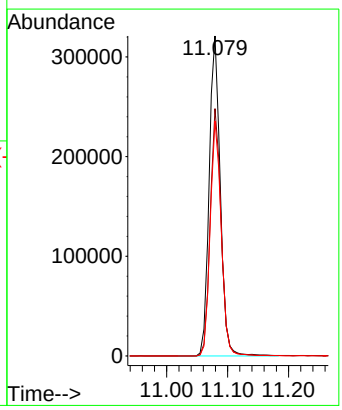


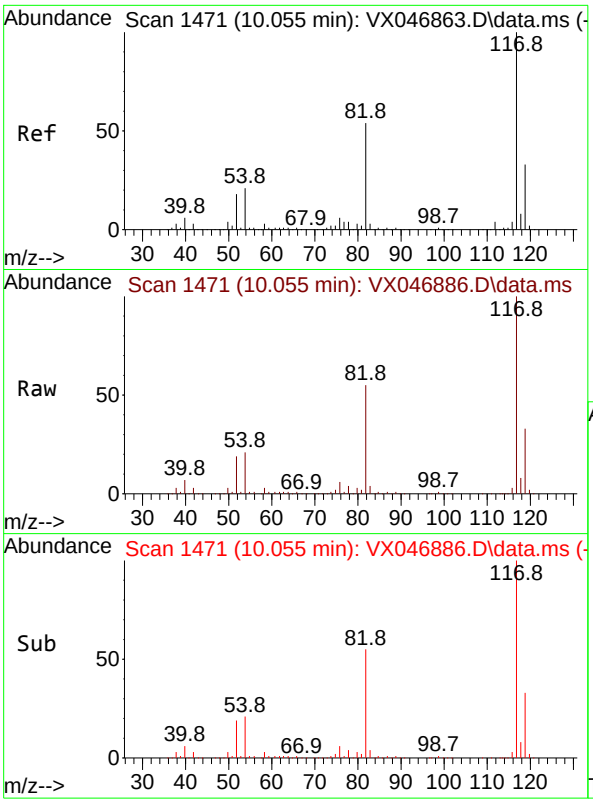




#62
4-Bromofluorobenzene
Concen: 50.065 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

Tgt Ion: 95 Resp: 407032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.4 | 0.0 | 152.0 |
| 176 | 72.8 | 0.0 | 145.2 |



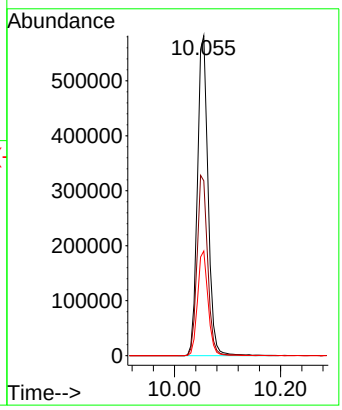


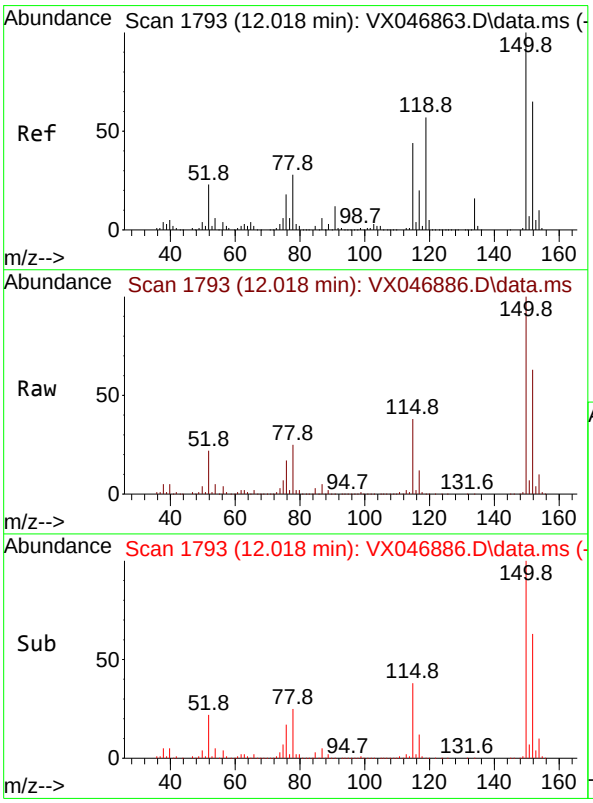

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP2W

Tgt Ion:117 Resp: 813566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.7 | 43.3 | 64.9 |
| 119 | 32.7 | 26.4 | 39.6 |

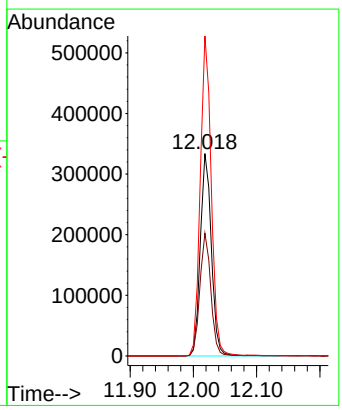



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

Tgt Ion:152 Resp: 408234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.1 | 42.4 | 127.1 |
| 150 | 156.3 | 0.0 | 349.2 |



Sample Results: **VX046886.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046886.D
Acq On : 03 Jul 2025 14:37
Operator : JC/MD
Sample : Q2503-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP2W

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_X\Method\82X070225W.M
Title : SW846 8260

Signal : TIC: VX046886.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.258 | 25 | 28 | 34 | rBV | 17094 | 28913 | 1.03% | 0.183% |
| 2 | 2.800 | 272 | 281 | 293 | rBV2 | 13645 | 38344 | 1.37% | 0.243% |
| 3 | 3.117 | 324 | 333 | 344 | rBV3 | 22014 | 55380 | 1.97% | 0.351% |
| 4 | 4.318 | 521 | 530 | 543 | rVB5 | 27643 | 85945 | 3.06% | 0.545% |
| 5 | 5.397 | 696 | 707 | 717 | rBV2 | 290178 | 915437 | 32.64% | 5.807% |
| 6 | 5.562 | 725 | 734 | 764 | rVB | 514507 | 1605732 | 57.25% | 10.185% |
| 7 | 5.964 | 790 | 800 | 825 | rVV | 320868 | 931324 | 33.21% | 5.907% |
| 8 | 6.166 | 825 | 833 | 842 | rVV5 | 16108 | 52159 | 1.86% | 0.331% |
| 9 | 6.269 | 843 | 850 | 858 | rVV4 | 15439 | 47746 | 1.70% | 0.303% |
| 10 | 6.361 | 858 | 865 | 880 | rVB7 | 18772 | 59339 | 2.12% | 0.376% |
| 11 | 6.769 | 922 | 932 | 955 | rBV | 811997 | 2087158 | 74.42% | 13.239% |
| 12 | 7.385 | 1023 | 1033 | 1044 | rBV4 | 46971 | 126487 | 4.51% | 0.802% |
| 13 | 8.647 | 1234 | 1240 | 1249 | rBV | 1715493 | 2804696 | 100.00% | 17.790% |
| 14 | 8.720 | 1249 | 1252 | 1258 | rVB | 17506 | 28552 | 1.02% | 0.181% |
| 15 | 10.055 | 1465 | 1471 | 1488 | rBV | 1740730 | 2487169 | 88.68% | 15.776% |
| 16 | 11.079 | 1634 | 1639 | 1655 | rBV | 1526833 | 1932563 | 68.90% | 12.258% |
| 17 | 12.018 | 1788 | 1793 | 1812 | rBV | 2019519 | 2478209 | 88.36% | 15.720% |

Sum of corrected areas: 15765153

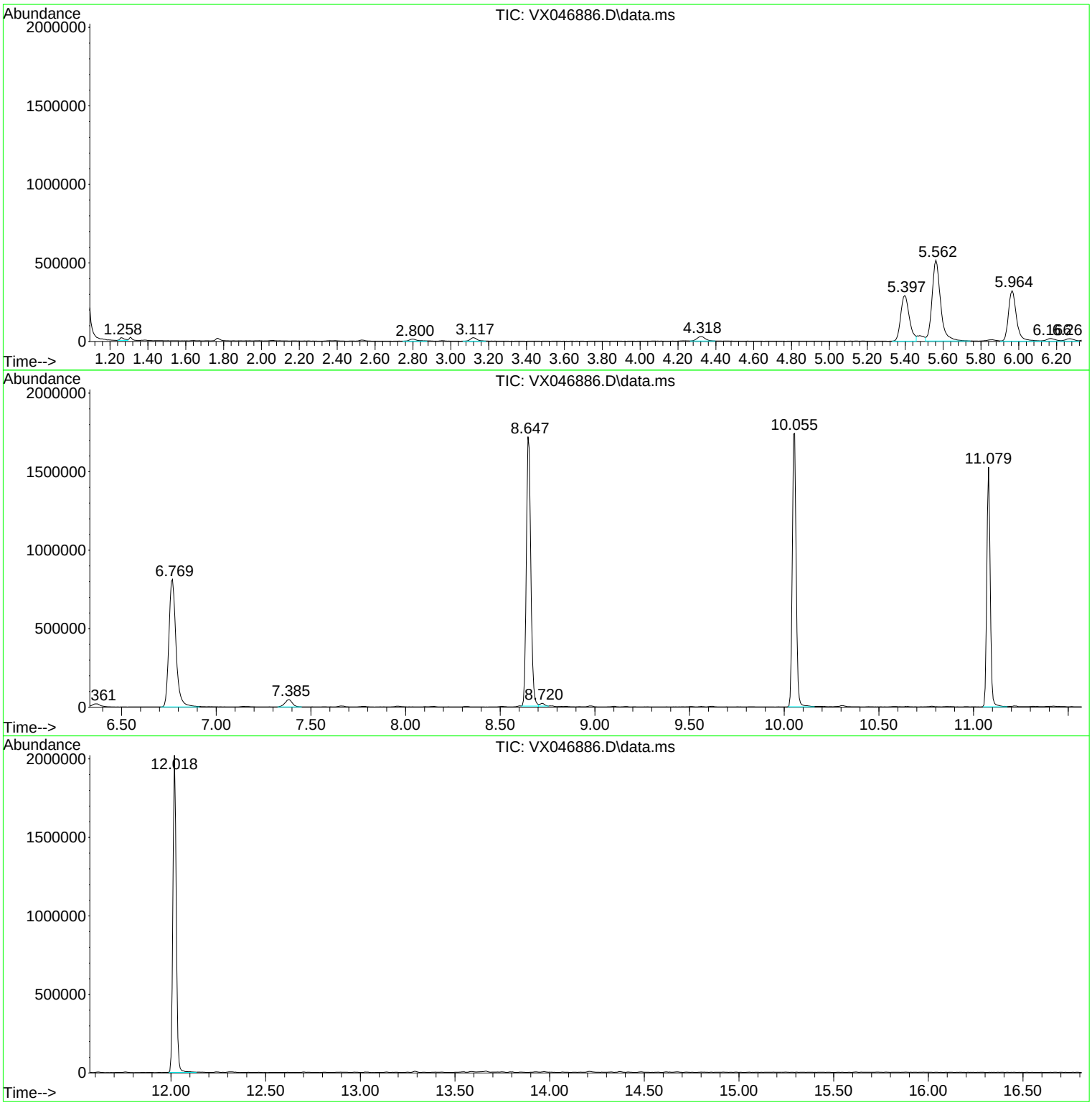
Sample Results: **VX046886.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046886.D
Acq On : 03 Jul 2025 14:37
Operator : JC/MD
Sample : Q2503-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP2W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046886.D
Acq On : 03 Jul 2025 14:37
Operator : JC/MD
Sample : Q2503-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP2W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.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_X\Data\VX070325\
Data File : VX046886.D
Acq On : 03 Jul 2025 14:37
Operator : JC/MD
Sample : Q2503-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP2W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.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_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

Quant Time: Jul 04 01:33:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

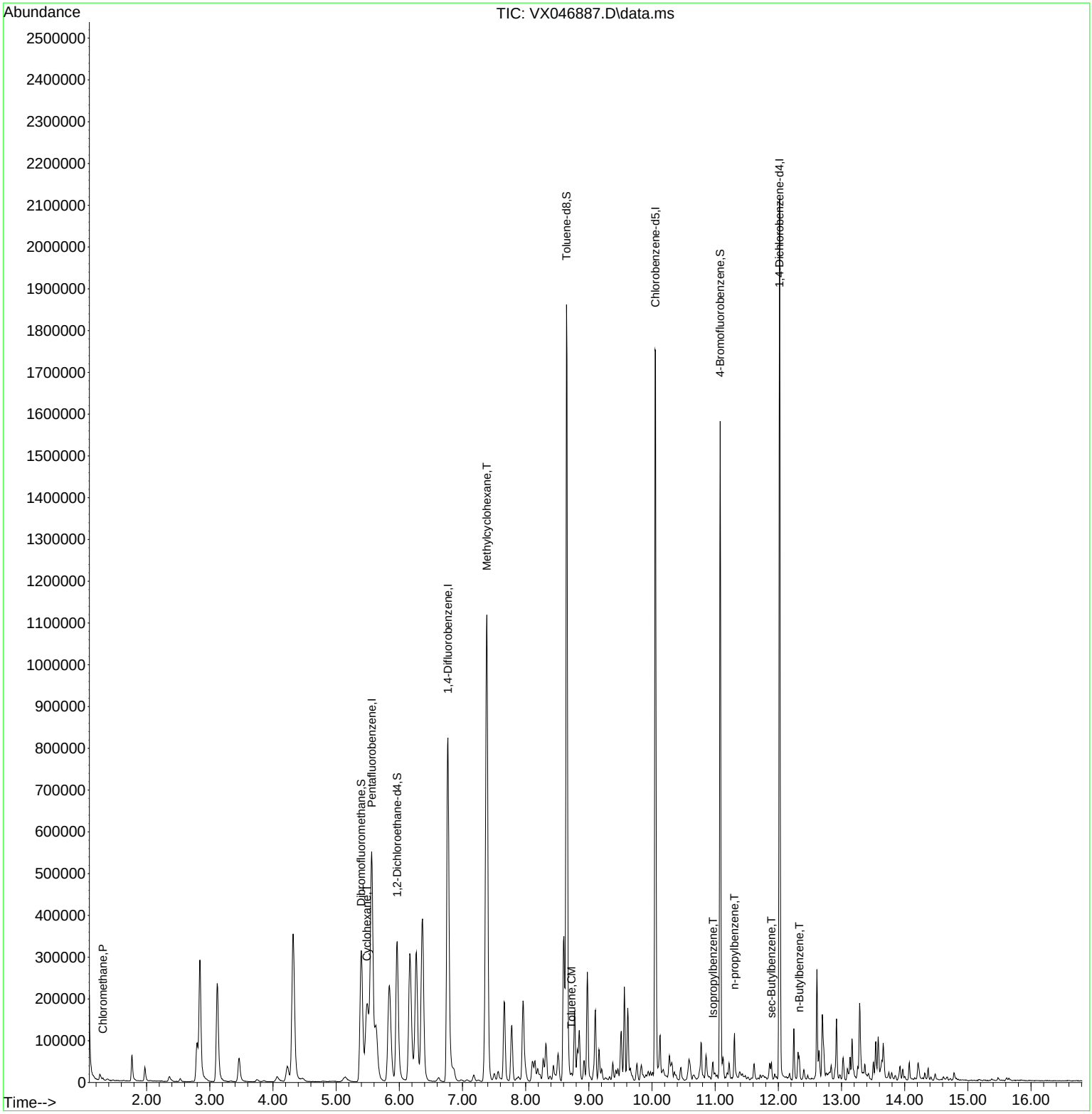
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 551922 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 910736 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 827841 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 418170 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 348246 | 47.761 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 95.520% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 298561 | 48.294 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 96.580% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 1074386 | 49.257 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 98.520% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 424937 | 51.261 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 102.520% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.307 | 50 | 2895 | 0.502 | ug/l | 97 |
| 31) Cyclohexane | 5.483 | 56 | 146832 | 14.088 | ug/l | 97 |
| 39) Methylcyclohexane | 7.385 | 83 | 510352 | 48.913 | ug/l | 97 |
| 52) Toluene | 8.726 | 92 | 5856 | 0.375 | ug/l | 95 |
| 73) Isopropylbenzene | 10.964 | 105 | 21739 | 0.740 | ug/l | 100 |
| 78) n-propylbenzene | 11.305 | 91 | 69597 | 1.963 | ug/l | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 18826 | 0.605 | ug/l | 95 |
| 89) n-Butylbenzene | 12.329 | 91 | 23191 | 0.948 | ug/l | 93 |

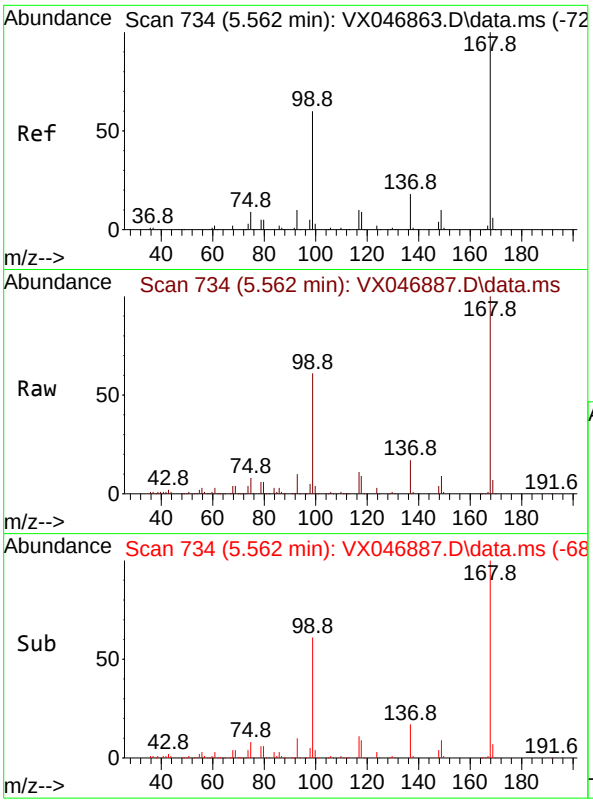
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

Quant Time: Jul 04 01:33:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration



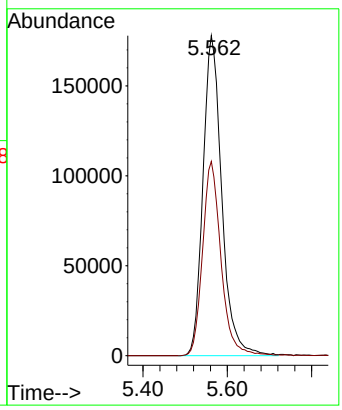


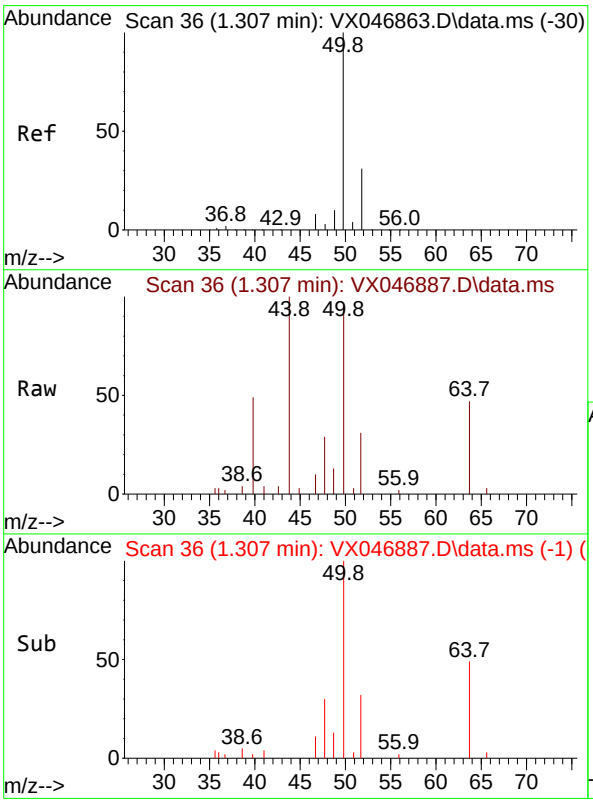

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

Tgt Ion:168 Resp: 551922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.7 | 48.8 | 73.2 |

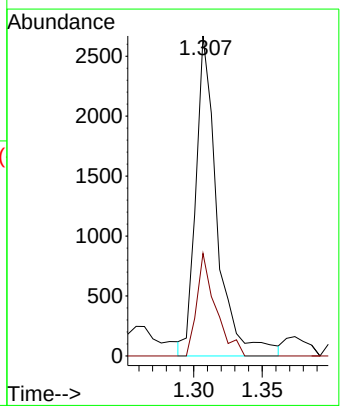


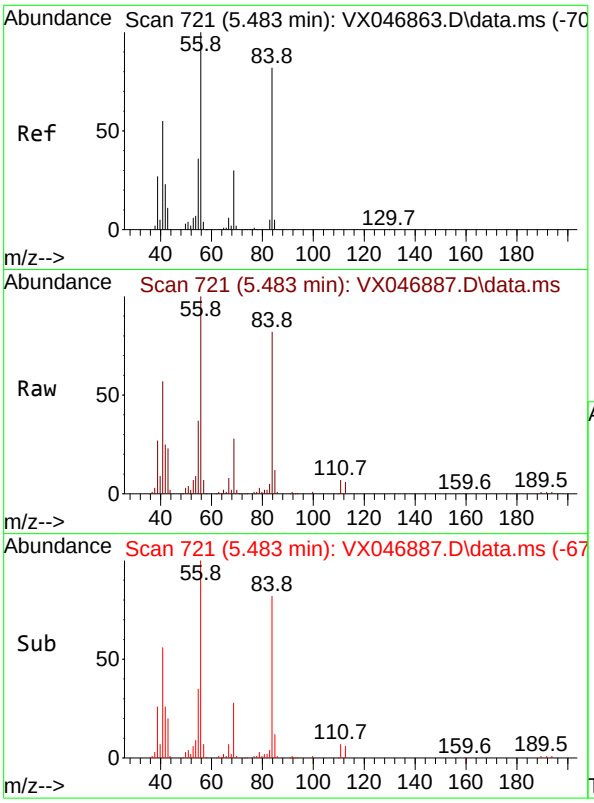




#3
Chloromethane
Concen: 0.502 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.000 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

Tgt Ion: 50 Resp: 2895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.1 | 25.0 | 37.4 |



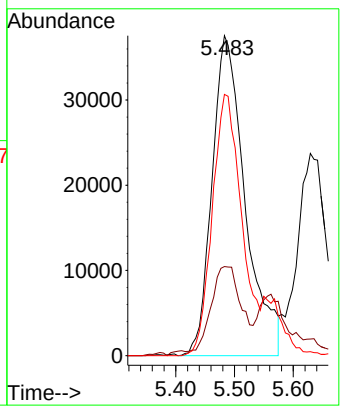


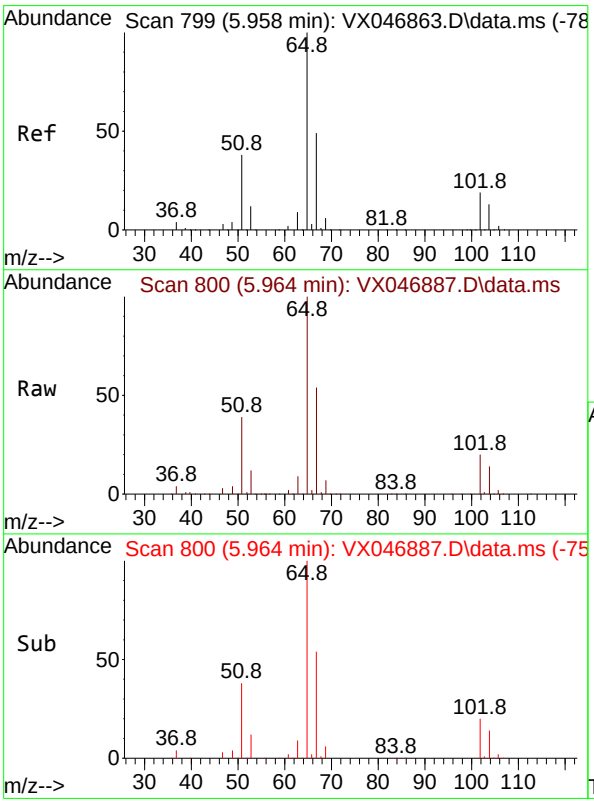

#31
Cyclohexane
Concen: 14.088 ug/l
RT: 5.483 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

Tgt Ion: 56 Resp: 146832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 26.4 | 24.0 | 36.0 |
| 84 | 81.6 | 66.5 | 99.7 |

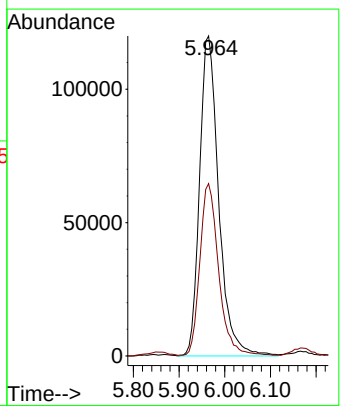


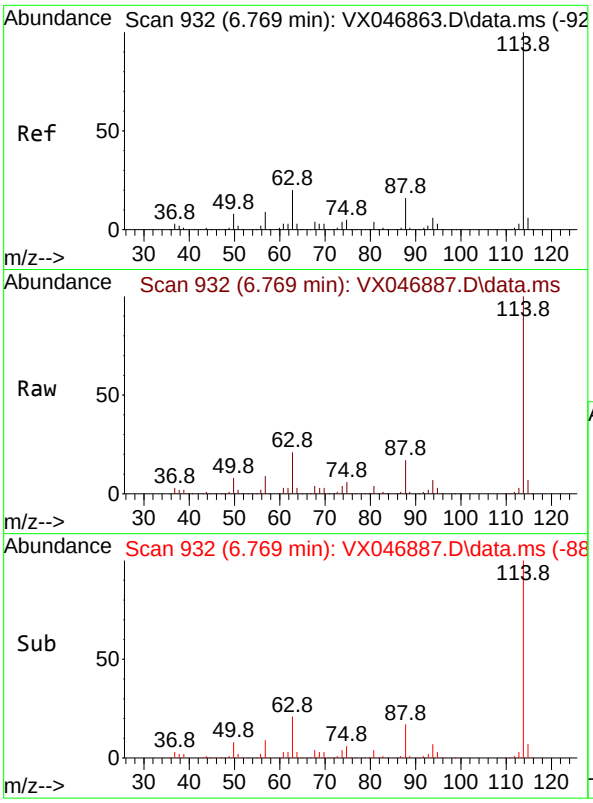




#33
1,2-Dichloroethane-d4
Concen: 47.761 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

Tgt Ion: 65 Resp: 348246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.7 | 0.0 | 105.2 |



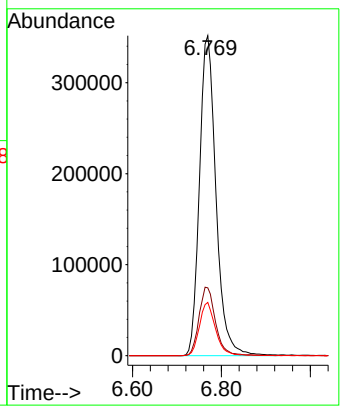


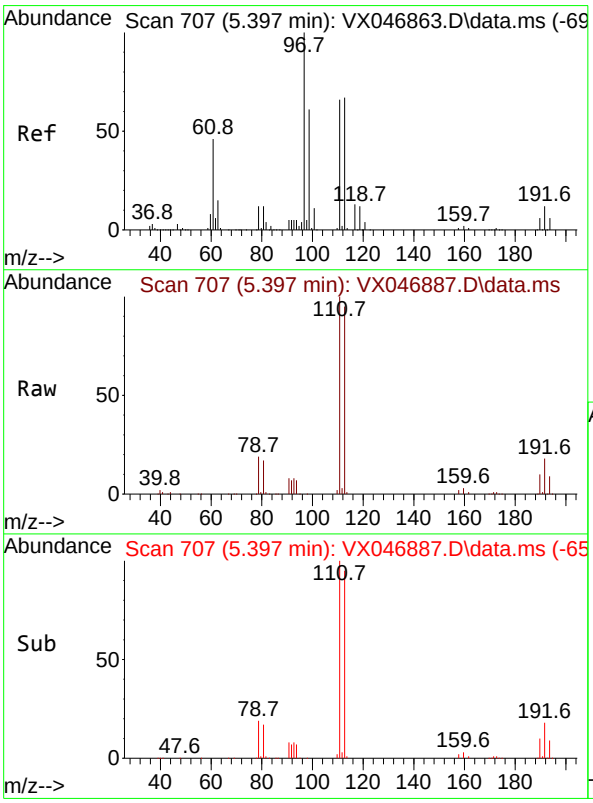

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

Tgt Ion:114 Resp: 910736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.2 | 0.0 | 40.4 |
| 88 | 16.6 | 0.0 | 31.0 |

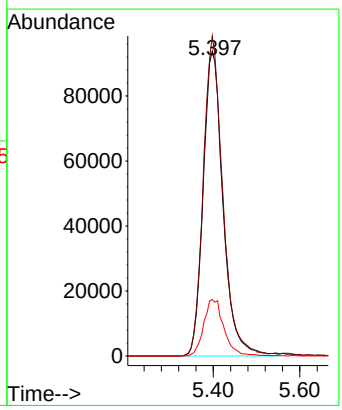


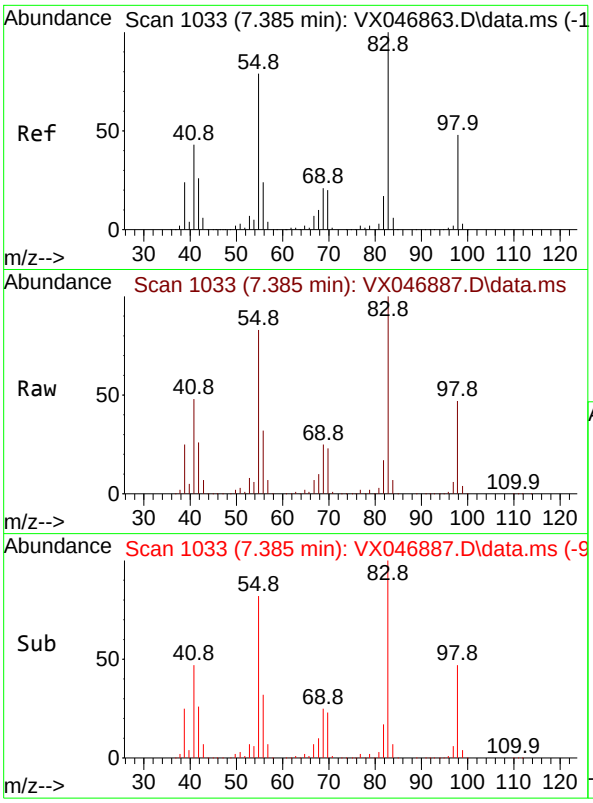




#35
Dibromofluoromethane
Concen: 48.294 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

Tgt Ion:113 Resp: 298561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.3 | 81.2 | 121.8 |
| 192 | 18.9 | 15.3 | 22.9 |



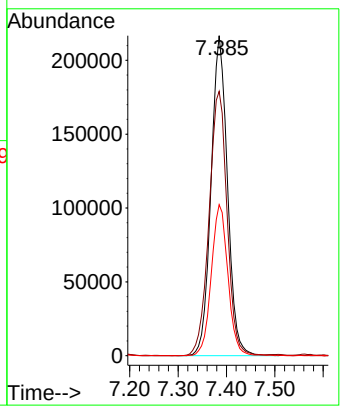


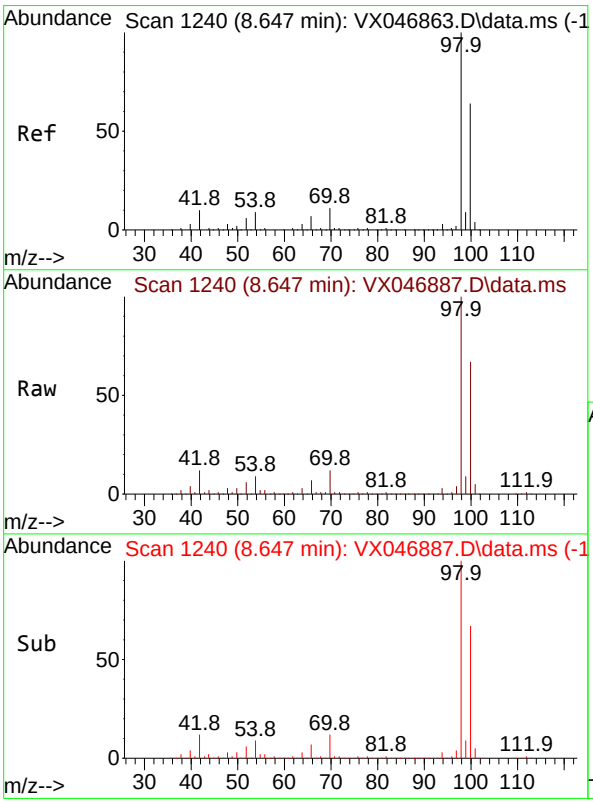

#39
Methylcyclohexane
Concen: 48.913 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

Tgt Ion: 83 Resp: 510352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 82.6 | 63.0 | 94.4 |
| 98 | 47.2 | 38.5 | 57.7 |

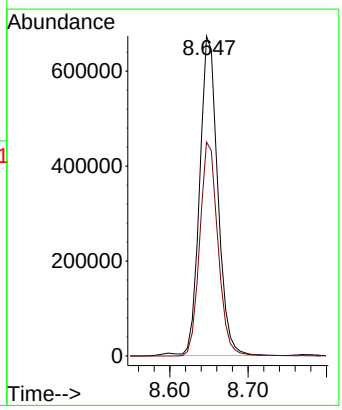


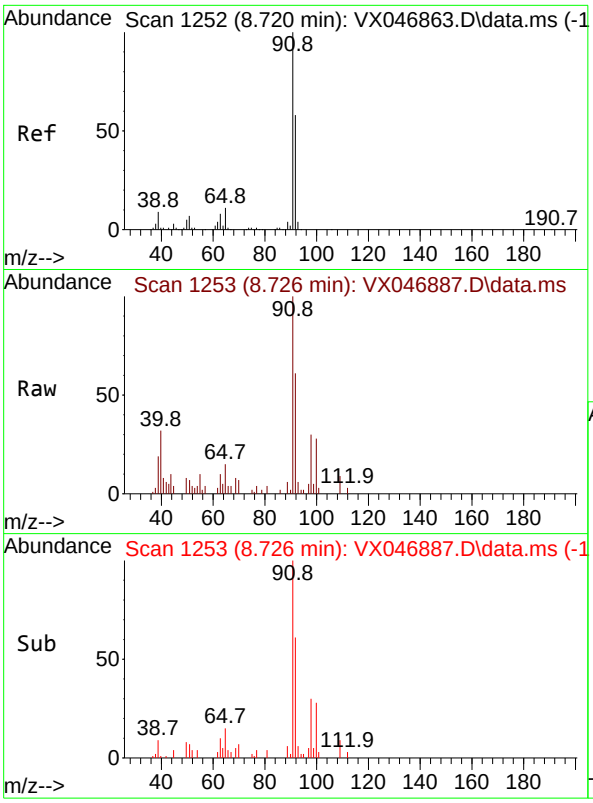




#50
Toluene-d8
Concen: 49.257 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

Tgt Ion: 98 Resp: 1074386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.8 | 53.0 | 79.6 |



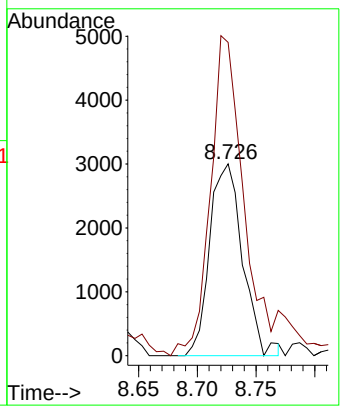


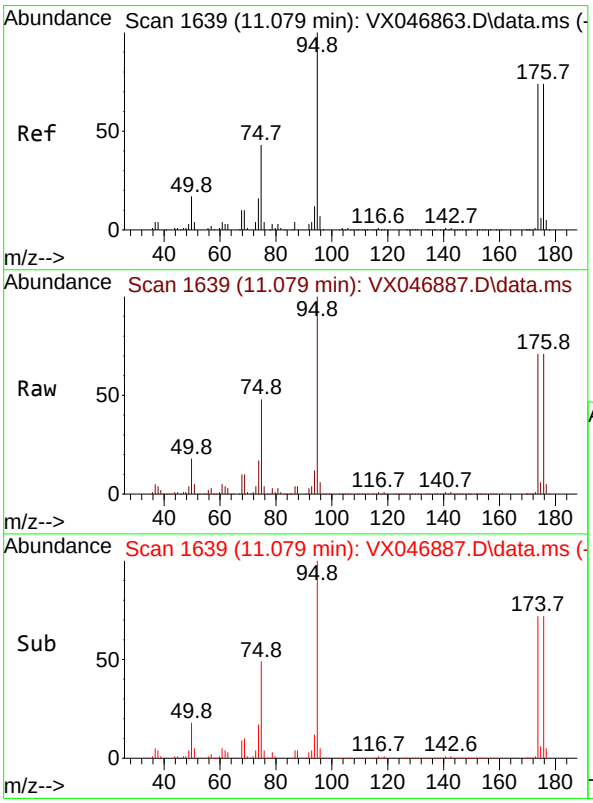

#52
Toluene
Concen: 0.375 ug/l
RT: 8.726 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

Tgt Ion: 92 Resp: 5856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 164.9 | 137.9 | 206.9 |

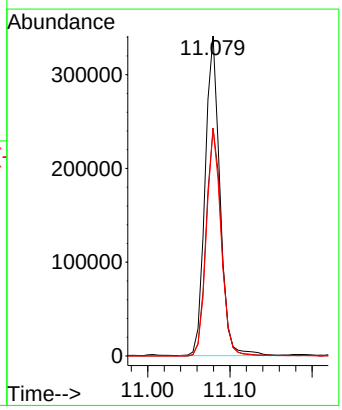


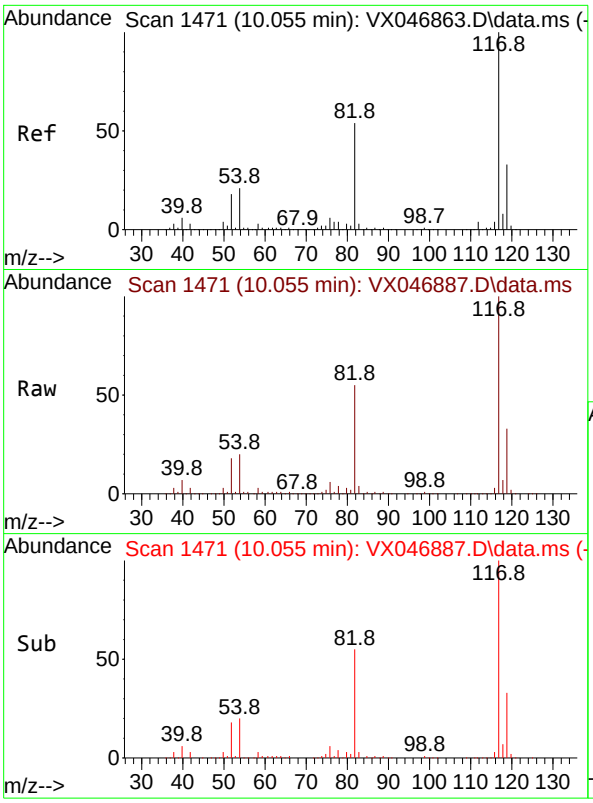




#62
4-Bromofluorobenzene
Concen: 51.261 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

Tgt Ion: 95 Resp: 424937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 73.4 | 0.0 | 152.0 |
| 176 | 70.6 | 0.0 | 145.2 |



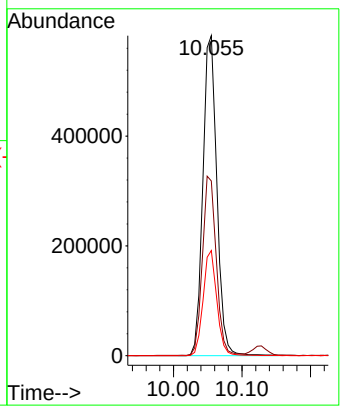


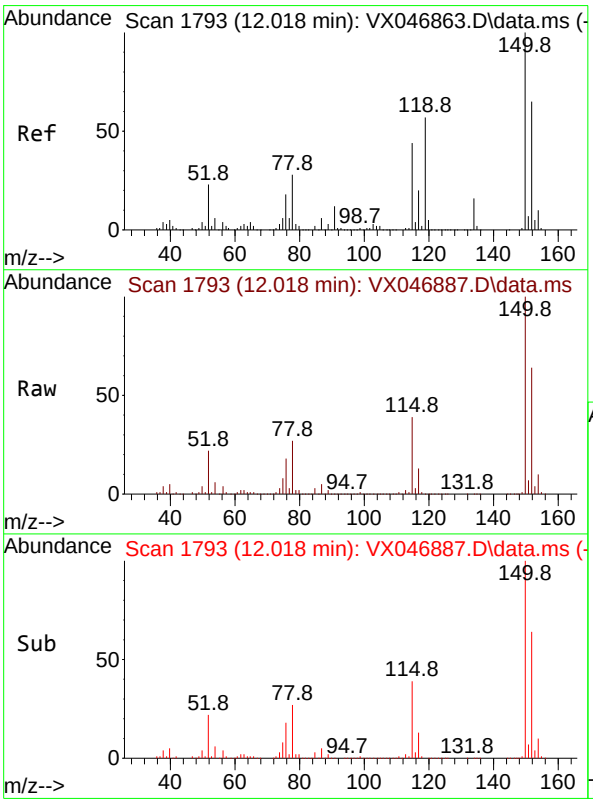

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

Tgt Ion:117 Resp: 827841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.5 | 43.3 | 64.9 |
| 119 | 32.9 | 26.4 | 39.6 |

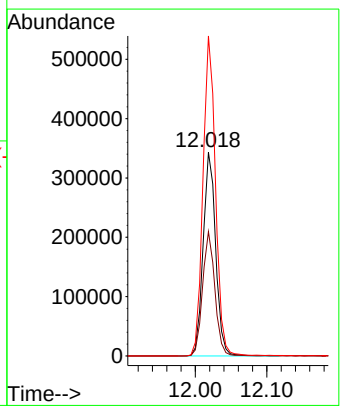


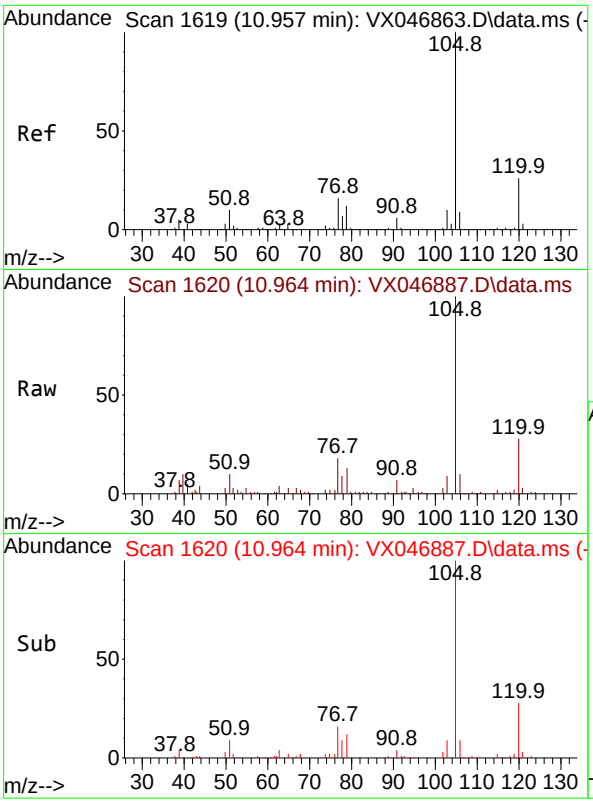




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

Tgt Ion:152 Resp: 418170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.1 | 42.4 | 127.1 |
| 150 | 157.4 | 0.0 | 349.2 |



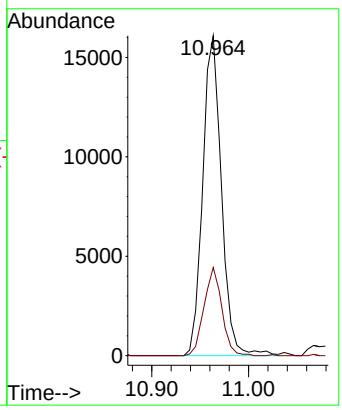


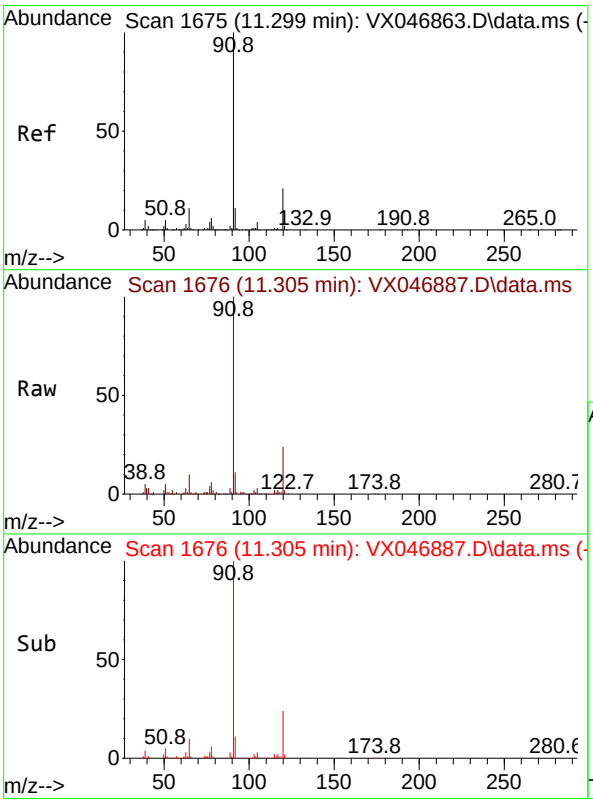

#73
Isopropylbenzene
Concen: 0.740 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

Tgt Ion:105 Resp: 21739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 13.2 | 39.5 |

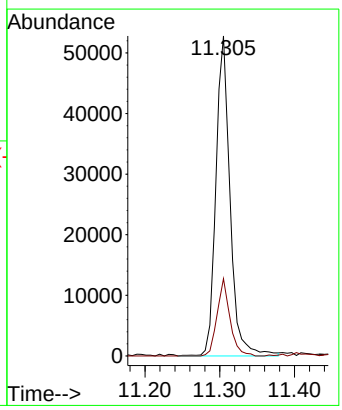


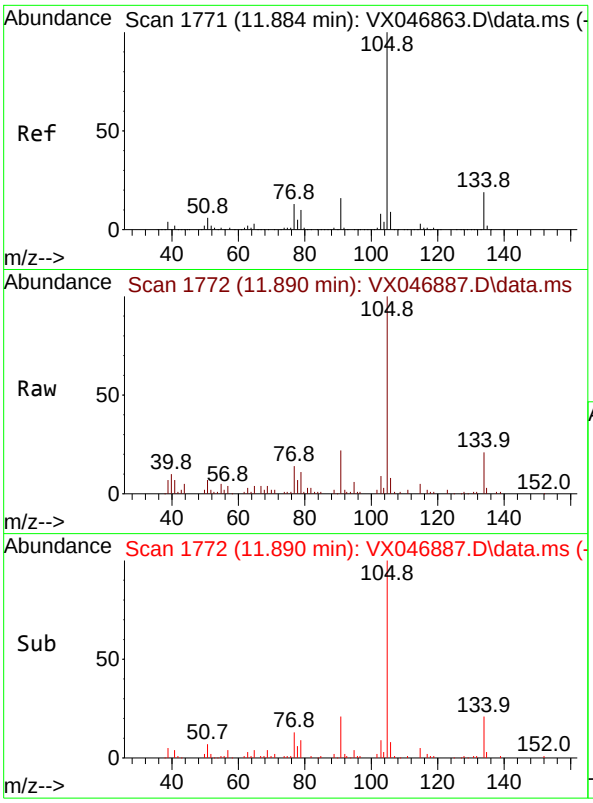




#78
n-propylbenzene
Concen: 1.963 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

Tgt Ion: 91 Resp: 69597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.9 | 11.2 | 33.5 |



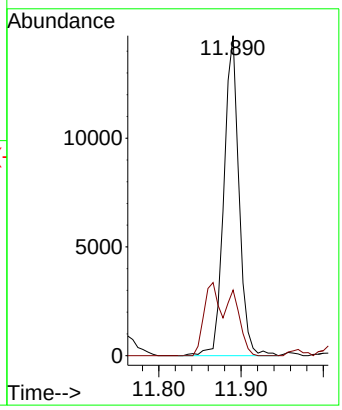


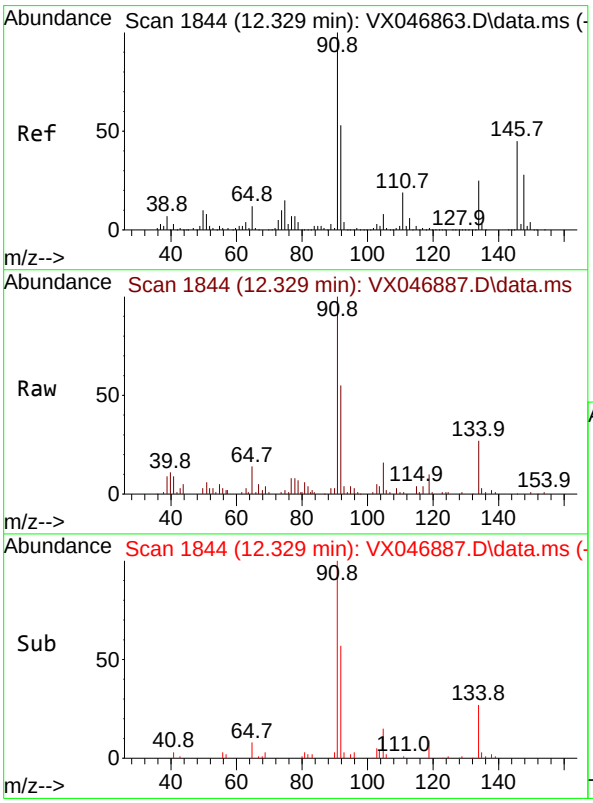

#85
sec-Butylbenzene
Concen: 0.605 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

Tgt Ion:105 Resp: 18826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 17.4 | 9.9 | 29.7 |

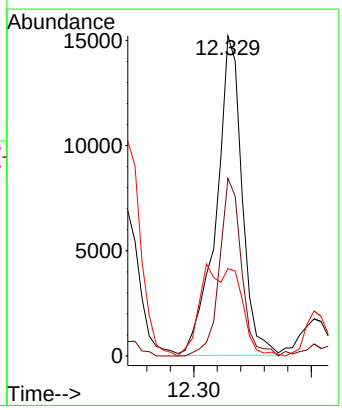



#89
n-Butylbenzene
Concen: 0.948 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

Tgt Ion: 91 Resp: 23191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 47.3 | 27.0 | 81.0 |
| 134 | 24.2 | 12.8 | 38.4 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

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_X\Method\82X070225W.M
Title : SW846 8260

Signal : TIC: VX046887.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.770 | 106 | 112 | 124 | rBV | 61111 | 103750 | 3.44% | 0.300% |
| 2 | 1.971 | 140 | 145 | 155 | rBV2 | 32875 | 52918 | 1.76% | 0.153% |
| 3 | 2.361 | 202 | 209 | 221 | rVB4 | 11666 | 31741 | 1.05% | 0.092% |
| 4 | 2.800 | 272 | 281 | 283 | rBV2 | 92292 | 192344 | 6.38% | 0.557% |
| 5 | 2.843 | 283 | 288 | 311 | rVB | 290153 | 696670 | 23.11% | 2.017% |
| 6 | 3.117 | 323 | 333 | 352 | rBV | 234863 | 599952 | 19.90% | 1.737% |
| 7 | 3.465 | 382 | 390 | 405 | rBV2 | 55560 | 140814 | 4.67% | 0.408% |
| 8 | 4.062 | 479 | 488 | 505 | rBV3 | 12300 | 46891 | 1.56% | 0.136% |
| 9 | 4.227 | 505 | 515 | 521 | rBV4 | 35932 | 108234 | 3.59% | 0.313% |
| 10 | 4.318 | 521 | 530 | 547 | rVB | 347552 | 1066290 | 35.36% | 3.087% |
| 11 | 5.148 | 652 | 666 | 681 | rBV3 | 11158 | 50887 | 1.69% | 0.147% |
| 12 | 5.397 | 695 | 707 | 715 | rBV2 | 313746 | 968423 | 32.12% | 2.803% |
| 13 | 5.495 | 715 | 723 | 726 | rVV2 | 123519 | 363862 | 12.07% | 1.053% |
| 14 | 5.562 | 727 | 734 | 742 | rVB | 427473 | 1183253 | 39.24% | 3.425% |
| 15 | 5.843 | 767 | 780 | 792 | rBV4 | 228108 | 801442 | 26.58% | 2.320% |
| 16 | 5.964 | 792 | 800 | 821 | rVV | 333418 | 957855 | 31.77% | 2.773% |
| 17 | 6.166 | 823 | 833 | 842 | rVV2 | 304237 | 946190 | 31.38% | 2.739% |
| 18 | 6.269 | 842 | 850 | 858 | rVV2 | 307495 | 924578 | 30.66% | 2.676% |
| 19 | 6.367 | 858 | 866 | 882 | rVB2 | 387159 | 1160600 | 38.49% | 3.360% |
| 20 | 6.769 | 922 | 932 | 958 | rBV | 822905 | 2232973 | 74.06% | 6.464% |
| 21 | 7.178 | 991 | 999 | 1006 | rBV4 | 15346 | 35647 | 1.18% | 0.103% |
| 22 | 7.385 | 1020 | 1033 | 1047 | rBV | 1116723 | 2906975 | 96.41% | 8.415% |
| 23 | 7.501 | 1047 | 1052 | 1057 | rVV4 | 17681 | 38646 | 1.28% | 0.112% |
| 24 | 7.568 | 1057 | 1063 | 1071 | rVV3 | 22369 | 56510 | 1.87% | 0.164% |
| 25 | 7.659 | 1071 | 1078 | 1090 | rVB | 188976 | 403305 | 13.38% | 1.167% |
| 26 | 7.781 | 1090 | 1098 | 1107 | rBV | 131439 | 275286 | 9.13% | 0.797% |
| 27 | 7.958 | 1120 | 1127 | 1144 | rVB2 | 192294 | 473873 | 15.72% | 1.372% |
| 28 | 8.110 | 1144 | 1152 | 1155 | rBV2 | 47532 | 105411 | 3.50% | 0.305% |
| 29 | 8.147 | 1155 | 1158 | 1162 | rVB2 | 31322 | 46029 | 1.53% | 0.133% |
| 30 | 8.275 | 1175 | 1179 | 1182 | rBV2 | 47443 | 78550 | 2.61% | 0.227% |
| 31 | 8.318 | 1182 | 1186 | 1193 | rVB3 | 84396 | 165522 | 5.49% | 0.479% |
| 32 | 8.440 | 1201 | 1206 | 1212 | rBV | 33112 | 66599 | 2.21% | 0.193% |
| 33 | 8.513 | 1213 | 1218 | 1226 | rVB4 | 65171 | 137039 | 4.54% | 0.397% |
| 34 | 8.604 | 1226 | 1233 | 1236 | rBV2 | 345409 | 690201 | 22.89% | 1.998% |
| 35 | 8.647 | 1236 | 1240 | 1250 | rVB | 1843574 | 3015173 | 100.00% | 8.728% |
| 36 | 8.775 | 1255 | 1261 | 1265 | rVV2 | 163807 | 290490 | 9.63% | 0.841% |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

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_X\Method\82X070225W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 8.818 | 1265 | 1268 | 1270 | rVV2 | 72069 | 110655 | 3.67% | 0.320% |
| 38 | 8.848 | 1270 | 1273 | 1280 | rVV2 | 117712 | 187411 | 6.22% | 0.542% |
| 39 | 8.921 | 1280 | 1285 | 1289 | rVV | 45263 | 78514 | 2.60% | 0.227% |
| 40 | 8.976 | 1289 | 1294 | 1305 | rVB2 | 257671 | 447767 | 14.85% | 1.296% |
| 41 | 9.104 | 1305 | 1315 | 1320 | rBV | 166440 | 308262 | 10.22% | 0.892% |
| 42 | 9.159 | 1320 | 1324 | 1329 | rVV | 71833 | 120608 | 4.00% | 0.349% |
| 43 | 9.202 | 1329 | 1331 | 1337 | rVB3 | 25612 | 34948 | 1.16% | 0.101% |
| 44 | 9.378 | 1355 | 1360 | 1364 | rBV3 | 40342 | 61313 | 2.03% | 0.177% |
| 45 | 9.513 | 1376 | 1382 | 1386 | rVV3 | 114510 | 210166 | 6.97% | 0.608% |
| 46 | 9.561 | 1386 | 1390 | 1394 | rVV | 220099 | 319287 | 10.59% | 0.924% |
| 47 | 9.616 | 1394 | 1399 | 1404 | rVV2 | 169054 | 282964 | 9.38% | 0.819% |
| 48 | 9.659 | 1404 | 1406 | 1416 | rVB5 | 29305 | 52349 | 1.74% | 0.152% |
| 49 | 9.763 | 1416 | 1423 | 1429 | rBV2 | 40083 | 69277 | 2.30% | 0.201% |
| 50 | 9.830 | 1429 | 1434 | 1442 | rBV6 | 36086 | 82415 | 2.73% | 0.239% |
| 51 | 10.049 | 1465 | 1470 | 1477 | rBV | 1737215 | 2476291 | 82.13% | 7.168% |
| 52 | 10.128 | 1478 | 1483 | 1487 | rVB | 89811 | 133437 | 4.43% | 0.386% |
| 53 | 10.275 | 1502 | 1507 | 1510 | rBV2 | 51360 | 85797 | 2.85% | 0.248% |
| 54 | 10.458 | 1532 | 1537 | 1546 | rVB2 | 30928 | 55595 | 1.84% | 0.161% |
| 55 | 10.586 | 1548 | 1558 | 1566 | rBV6 | 50104 | 131626 | 4.37% | 0.381% |
| 56 | 10.775 | 1578 | 1589 | 1594 | rBV2 | 87377 | 157723 | 5.23% | 0.457% |
| 57 | 10.854 | 1598 | 1602 | 1610 | rBV5 | 54410 | 87335 | 2.90% | 0.253% |
| 58 | 10.964 | 1615 | 1620 | 1623 | rBV | 40827 | 61428 | 2.04% | 0.178% |
| 59 | 11.079 | 1634 | 1639 | 1644 | rBV | 1572879 | 1961739 | 65.06% | 5.679% |
| 60 | 11.122 | 1644 | 1646 | 1651 | rVB3 | 49692 | 65726 | 2.18% | 0.190% |
| 61 | 11.220 | 1659 | 1662 | 1667 | rVB2 | 36199 | 47821 | 1.59% | 0.138% |
| 62 | 11.305 | 1670 | 1676 | 1685 | rBV | 108141 | 153756 | 5.10% | 0.445% |
| 63 | 11.616 | 1722 | 1727 | 1734 | rVB3 | 36776 | 57765 | 1.92% | 0.167% |
| 64 | 11.860 | 1761 | 1767 | 1770 | rBV2 | 37750 | 64052 | 2.12% | 0.185% |
| 65 | 11.890 | 1770 | 1772 | 1776 | rVB | 40317 | 42019 | 1.39% | 0.122% |
| 66 | 12.018 | 1788 | 1793 | 1807 | rBV | 2106571 | 2551455 | 84.62% | 7.386% |
| 67 | 12.244 | 1825 | 1830 | 1836 | rBV | 123335 | 156927 | 5.20% | 0.454% |
| 68 | 12.311 | 1836 | 1841 | 1843 | rBV2 | 63448 | 87709 | 2.91% | 0.254% |
| 69 | 12.402 | 1851 | 1856 | 1863 | rBV2 | 22816 | 34628 | 1.15% | 0.100% |
| 70 | 12.610 | 1882 | 1890 | 1893 | rBV | 262547 | 328364 | 10.89% | 0.950% |
| 71 | 12.640 | 1893 | 1895 | 1900 | rVV2 | 64023 | 88848 | 2.95% | 0.257% |
| 72 | 12.695 | 1900 | 1904 | 1912 | rVV3 | 147658 | 271483 | 9.00% | 0.786% |
| 73 | 12.835 | 1924 | 1927 | 1932 | rVB2 | 32552 | 44074 | 1.46% | 0.128% |
| 74 | 12.921 | 1932 | 1941 | 1947 | rBV | 144418 | 210285 | 6.97% | 0.609% |
| 75 | 13.024 | 1953 | 1958 | 1965 | rVB3 | 53277 | 84968 | 2.82% | 0.246% |
| 76 | 13.091 | 1965 | 1969 | 1972 | rBV | 27003 | 39590 | 1.31% | 0.115% |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

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_X\Method\82X070225W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 13.134 | 1972 | 1976 | 1978 | rVV | 47974 | 58656 | 1.95% | 0.170% |
| 78 | 13.164 | 1978 | 1981 | 1992 | rVB2 | 94647 | 141090 | 4.68% | 0.408% |
| 79 | 13.286 | 1997 | 2001 | 2007 | rVB2 | 166967 | 246858 | 8.19% | 0.715% |
| 80 | 13.366 | 2012 | 2014 | 2021 | rVV | 34897 | 56897 | 1.89% | 0.165% |
| 81 | 13.506 | 2032 | 2037 | 2039 | rBV2 | 41713 | 58328 | 1.93% | 0.169% |
| 82 | 13.542 | 2039 | 2043 | 2046 | rVV | 87873 | 125324 | 4.16% | 0.363% |
| 83 | 13.579 | 2046 | 2049 | 2053 | rVV3 | 98547 | 146442 | 4.86% | 0.424% |
| 84 | 13.640 | 2053 | 2059 | 2060 | rVV3 | 42541 | 79292 | 2.63% | 0.230% |
| 85 | 13.658 | 2060 | 2062 | 2072 | rVB2 | 82445 | 121383 | 4.03% | 0.351% |
| 86 | 13.926 | 2098 | 2106 | 2110 | rBV4 | 33114 | 58170 | 1.93% | 0.168% |
| 87 | 14.073 | 2125 | 2130 | 2137 | rBV | 41493 | 57430 | 1.90% | 0.166% |
| 88 | 14.213 | 2148 | 2153 | 2163 | rBV3 | 38078 | 70279 | 2.33% | 0.203% |
| 89 | 14.371 | 2175 | 2179 | 2183 | rVB3 | 26912 | 33650 | 1.12% | 0.097% |
| 90 | 14.780 | 2240 | 2246 | 2251 | rBV2 | 18180 | 31419 | 1.04% | 0.091% |

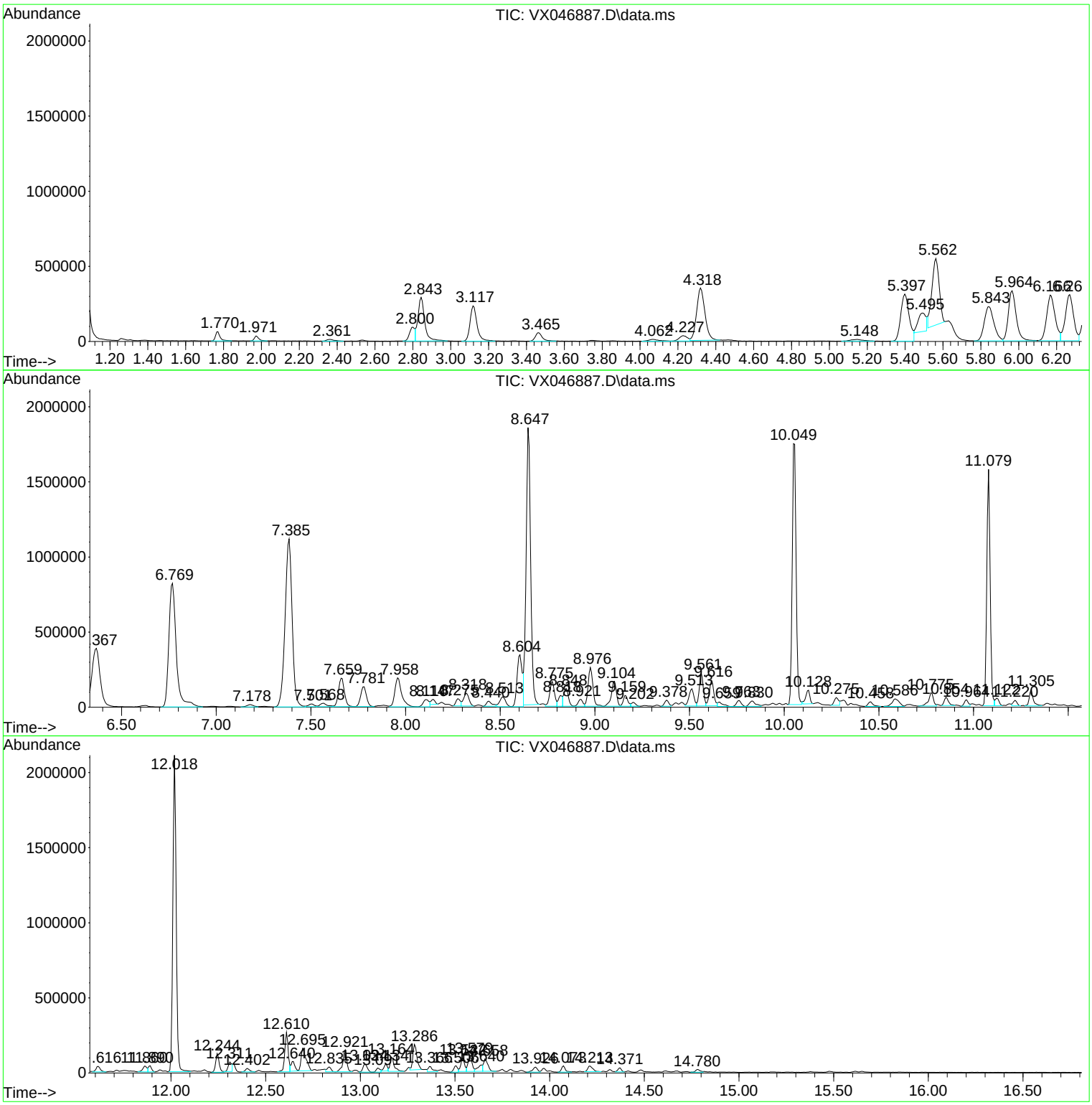
Sum of corrected areas: 34546518

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

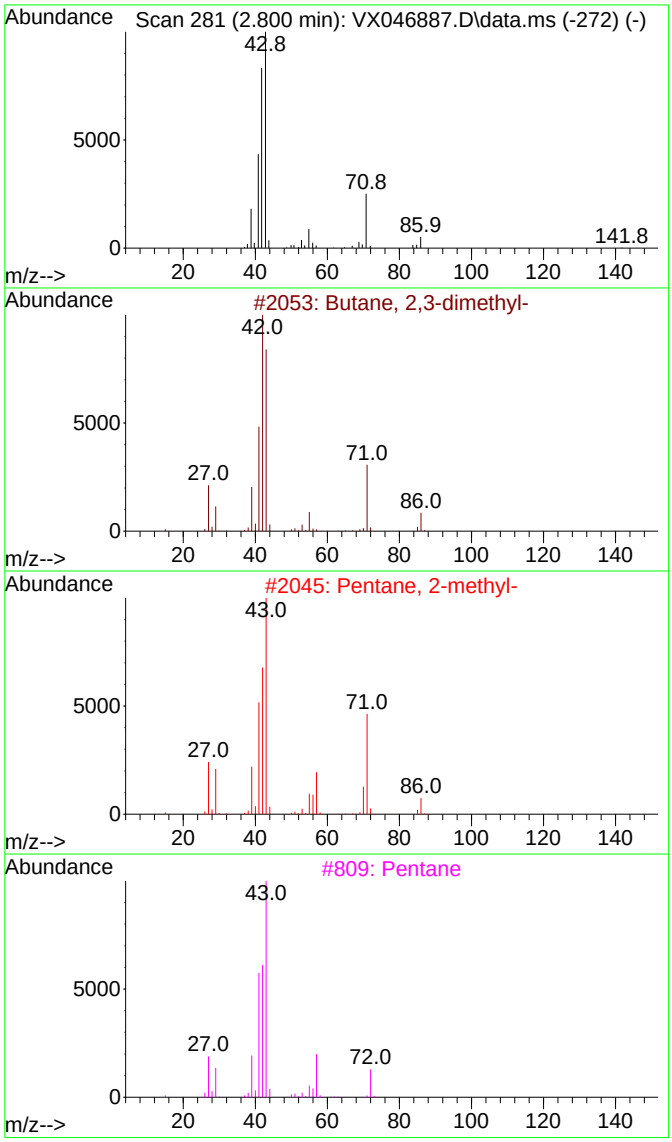
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TIC Integration Parameters: LSCINT.P

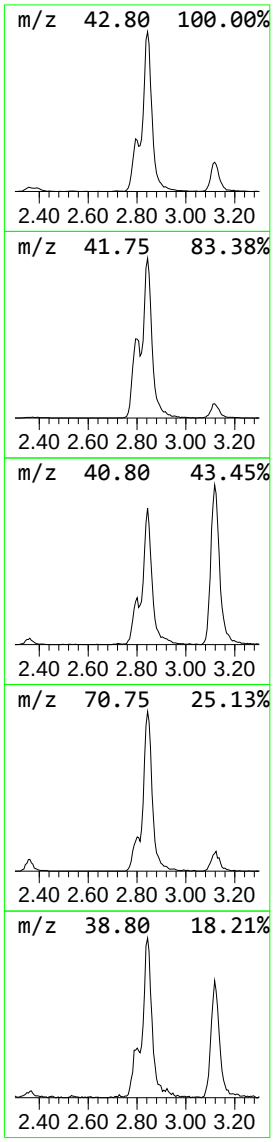
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Peak Number 1 Butane, 2,3-dimethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.800 | 8.13 ug/l | 192344 | Pentafluorobenzene | 5.562 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2,3-dimethyl- | 86 | C6H14 | 000079-29-8 | 90 |
| 2 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 78 |
| 3 | Pentane | 72 | C5H12 | 000109-66-0 | 38 |
| 4 | 1-Pentene | 70 | C5H10 | 000109-67-1 | 38 |
| 5 | Propanoyl chloride, 2-methyl- | 106 | C4H7ClO | 000079-30-1 | 12 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

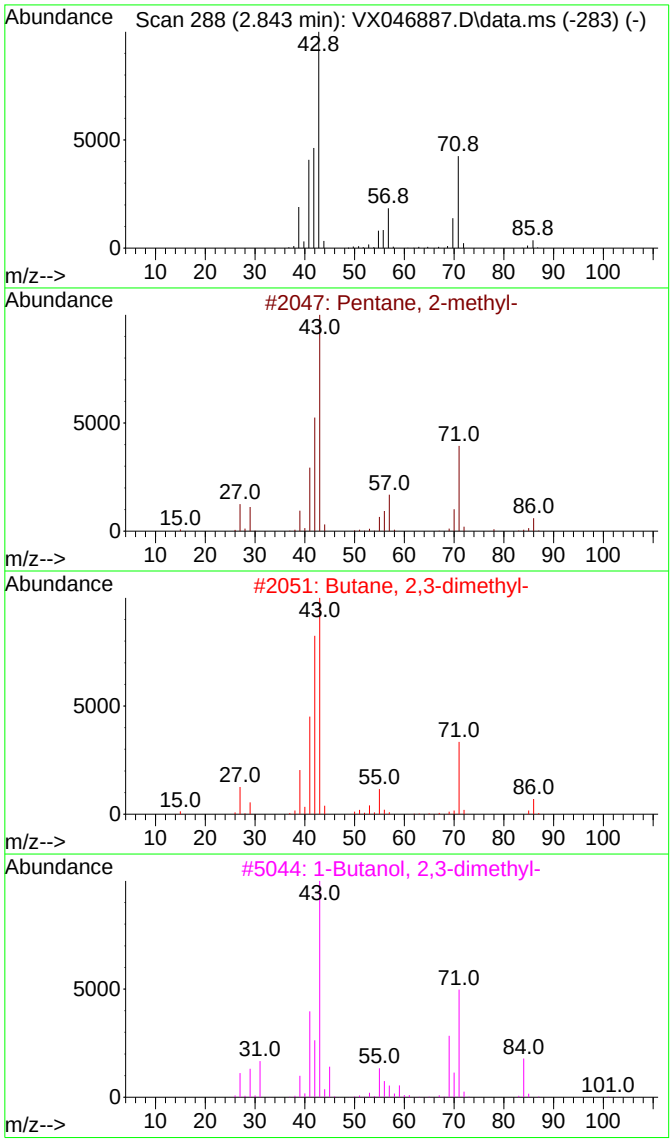
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

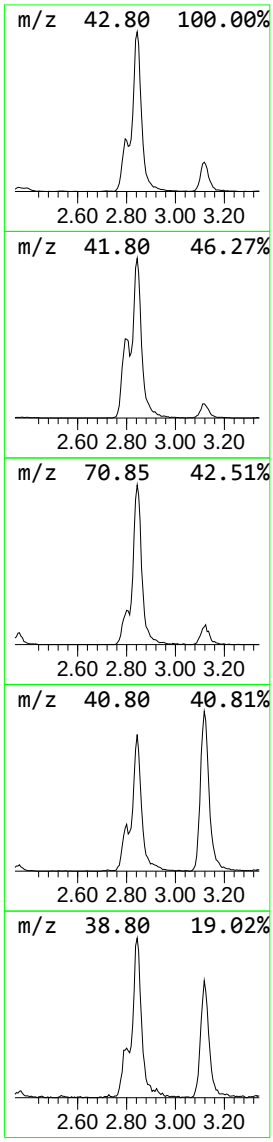
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Peak Number 2 Pentane, 2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.843 | 29.44 ug/l | 696670 | Pentafluorobenzene | 5.562 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 2-methyl- | 86 | C6H14 | 000107-83-5 | 91 |
| 2 | Butane, 2,3-dimethyl- | 86 | C6H14 | 000079-29-8 | 50 |
| 3 | 1-Butanol, 2,3-dimethyl- | 102 | C6H14O | 019550-30-2 | 45 |
| 4 | Pentane | 72 | C5H12 | 000109-66-0 | 38 |
| 5 | Heptane, 2,4-dimethyl- | 128 | C9H20 | 002213-23-2 | 32 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

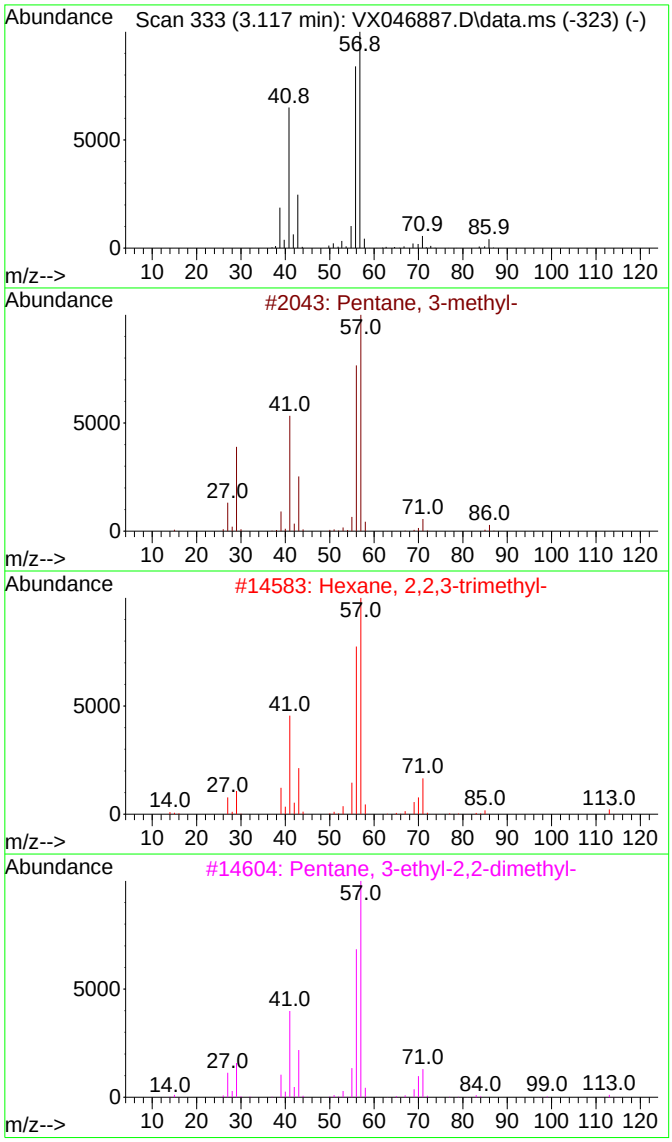
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

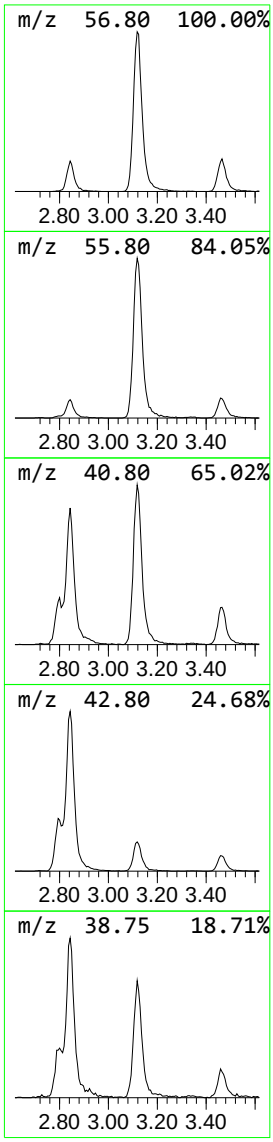
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Peak Number 3 Pentane, 3-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.117 | 25.35 ug/l | 599952 | Pentafluorobenzene | 5.562 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 91 |
| 2 | Hexane, 2,2,3-trimethyl- | 128 | C9H20 | 016747-25-4 | 64 |
| 3 | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20 | 016747-32-3 | 56 |
| 4 | Oxirane, (1-methylethyl)- | 86 | C5H10O | 001438-14-8 | 45 |
| 5 | Butyl isocyanatoacetate | 157 | C7H11NO3 | 017046-22-9 | 40 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

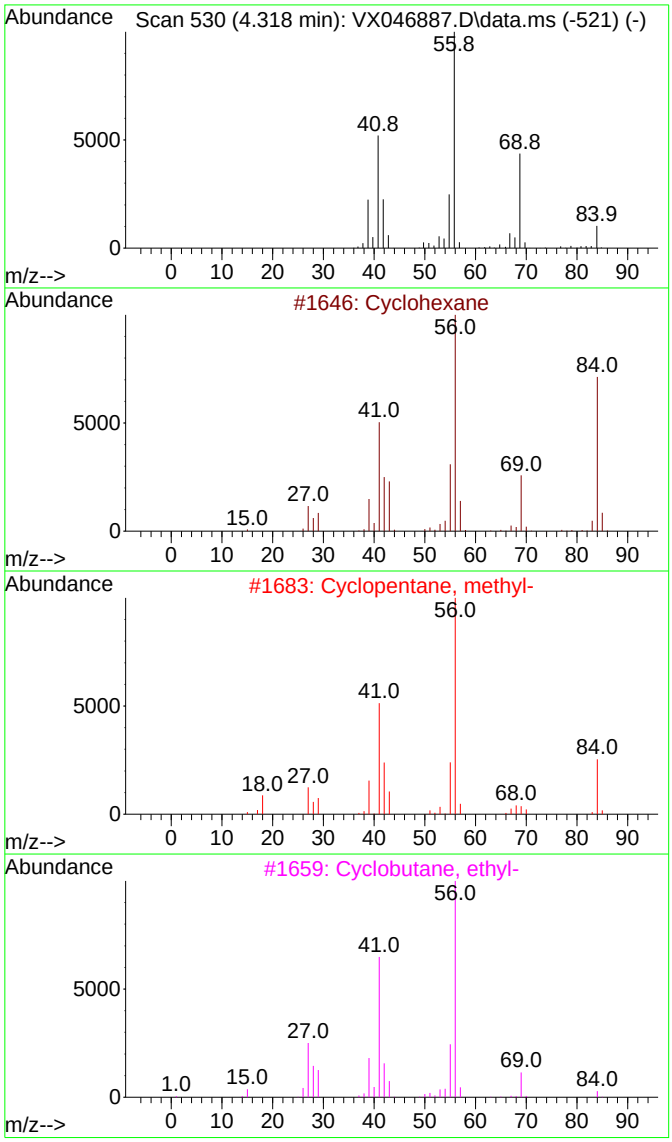
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TIC Integration Parameters: LSCINT.P

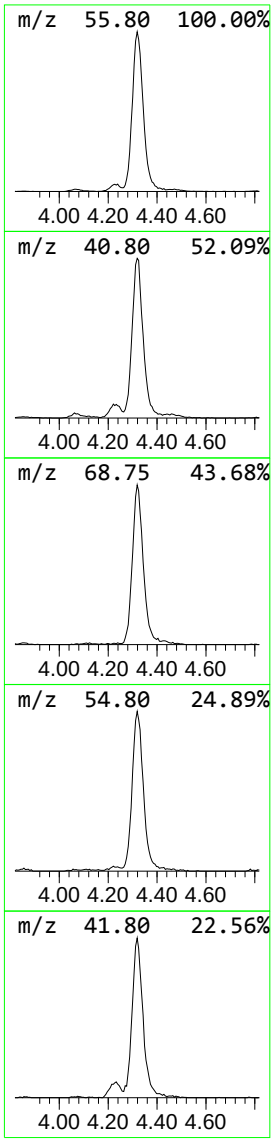
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Peak Number 4 Cyclopentane, methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.318 | 45.06 ug/l | 1066290 | Pentafluorobenzene | 5.562 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 83 |
| 2 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 78 |
| 3 | Cyclobutane, ethyl- | 84 | C6H12 | 004806-61-5 | 72 |
| 4 | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4 | 004076-36-2 | 50 |
| 5 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

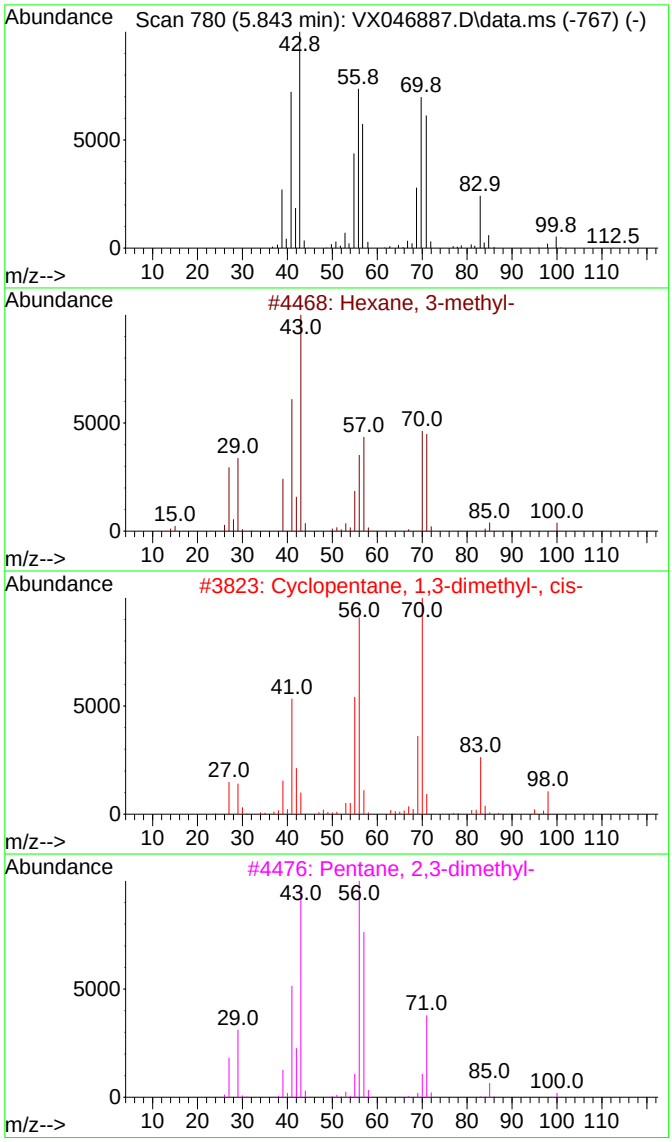
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

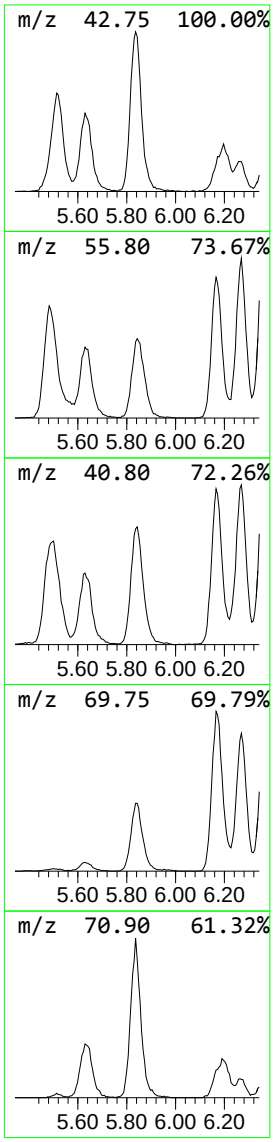
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Peak Number 5 Hexane, 3-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.843 | 33.87 ug/l | 801442 | Pentafluorobenzene | 5.562 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 60 |
| 2 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 52 |
| 3 | Pentane, 2,3-dimethyl- | 100 | C7H16 | 000565-59-3 | 50 |
| 4 | Cyclopentane, 1,2-dimethyl-, trans- | 98 | C7H14 | 000822-50-4 | 50 |
| 5 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 47 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

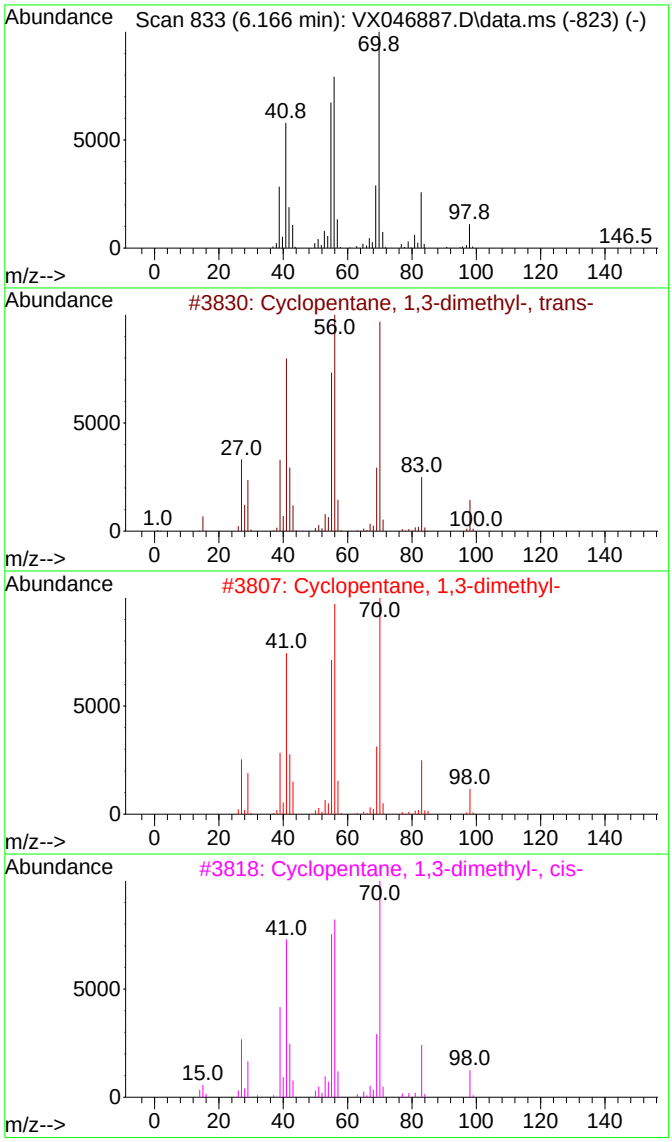
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

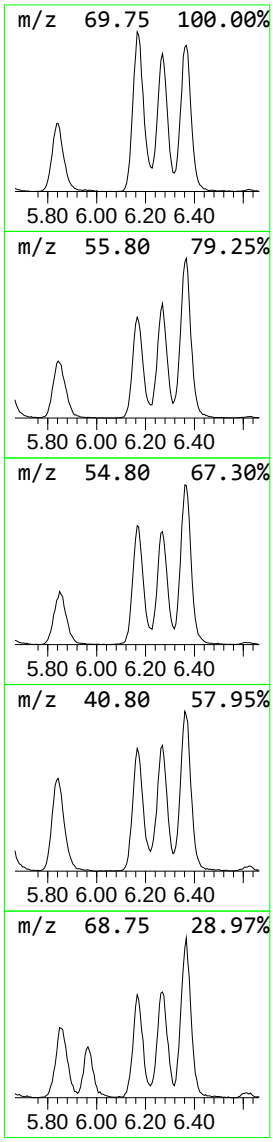
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Cyclopentane, 1,3-dimethyl-... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.166 | 39.98 ug/l | 946190 | Pentafluorobenzene | 5.562 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,3-dimethyl-, trans- | 98 | C7H14 | 001759-58-6 | 95 |
| 2 | Cyclopentane, 1,3-dimethyl- | 98 | C7H14 | 002453-00-1 | 94 |
| 3 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 93 |
| 4 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 70 |
| 5 | Cyclopentane, 1,2-dimethyl- | 98 | C7H14 | 002452-99-5 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

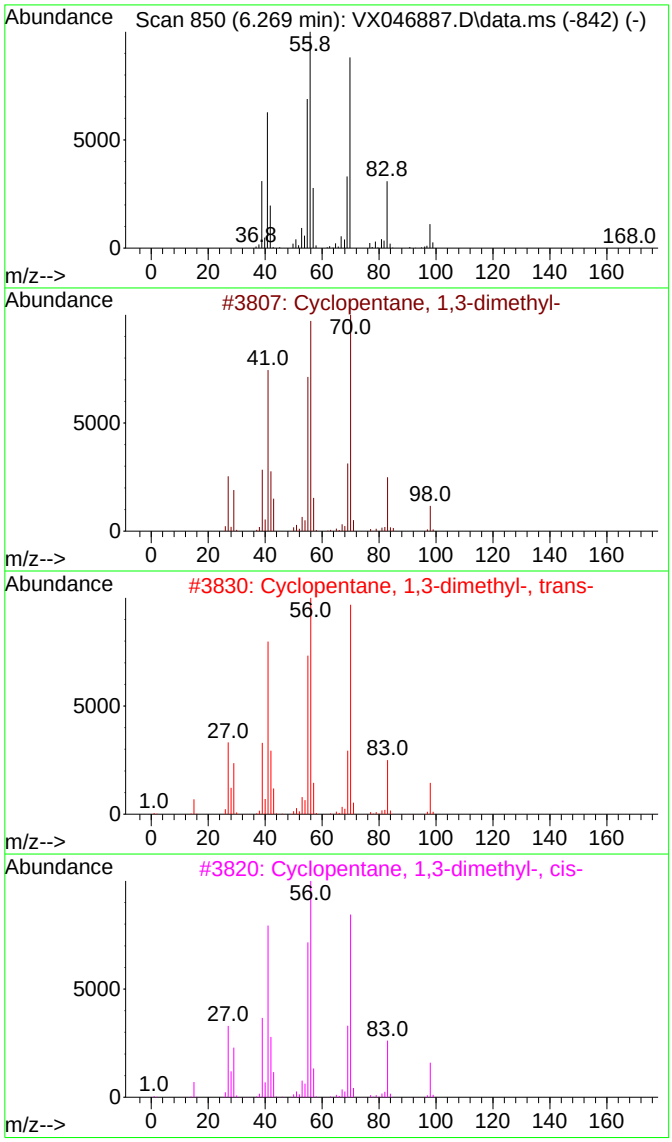
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

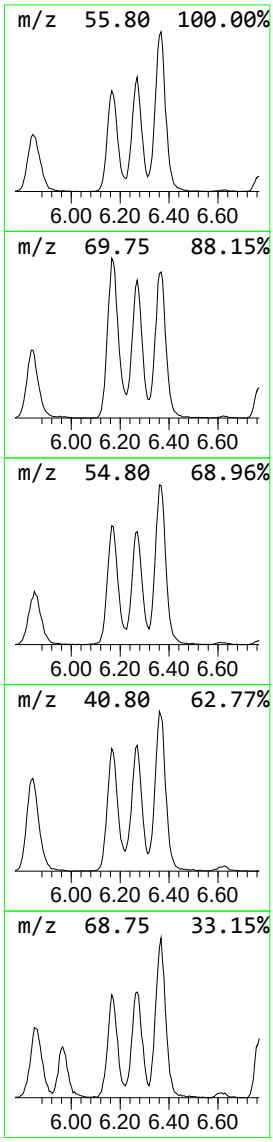
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Cyclopentane, 1,3-dimethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.269 | 20.70 ug/l | 924578 | 1,4-Difluorobenzene | 6.769 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,3-dimethyl- | 98 | C7H14 | 002453-00-1 | 90 |
| 2 | Cyclopentane, 1,3-dimethyl-, trans- | 98 | C7H14 | 001759-58-6 | 90 |
| 3 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 90 |
| 4 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 87 |
| 5 | Cyclobutanone, 3-ethyl- | 98 | C6H10O | 056335-73-0 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

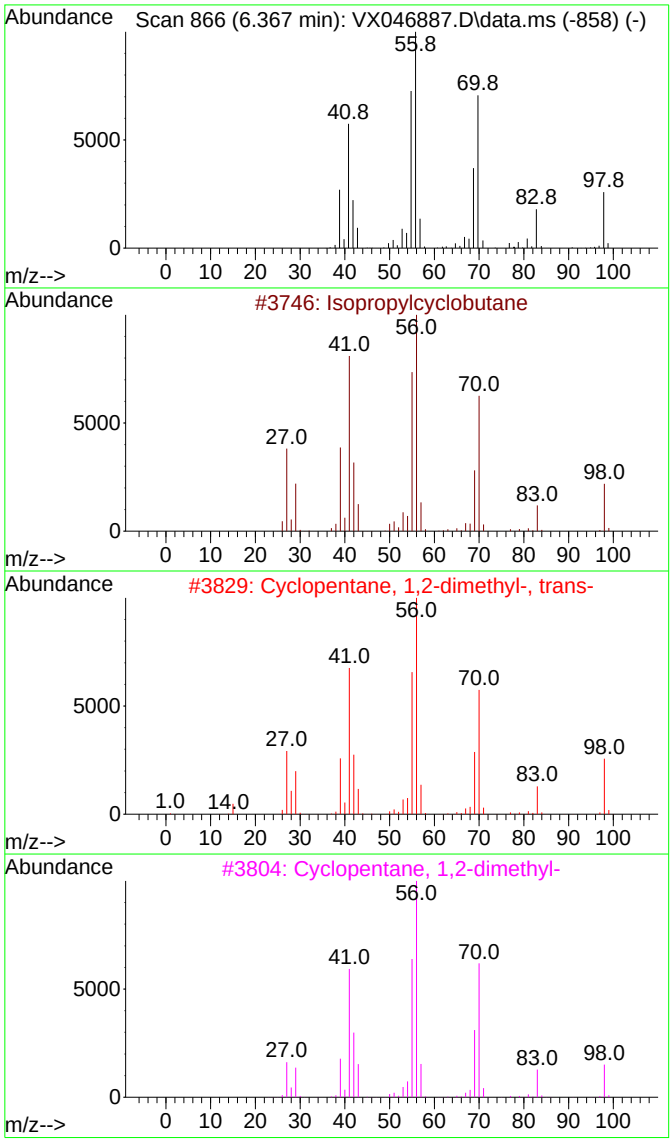
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

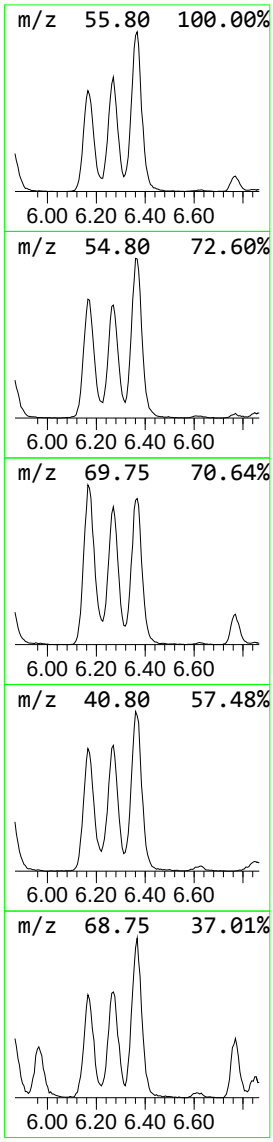
**********

Peak Number 8 Isopropylcyclobutane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.367 | 25.99 ug/l | 1160600 | 1,4-Difluorobenzene | 6.769 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Isopropylcyclobutane | 98 | C7H14 | 000872-56-0 | 94 |
| 2 | Cyclopentane, 1,2-dimethyl-, trans- | 98 | C7H14 | 000822-50-4 | 91 |
| 3 | Cyclopentane, 1,2-dimethyl- | 98 | C7H14 | 002452-99-5 | 87 |
| 4 | 3-Heptene | 98 | C7H14 | 000592-78-9 | 64 |
| 5 | 1-Heptene | 98 | C7H14 | 000592-76-7 | 64 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

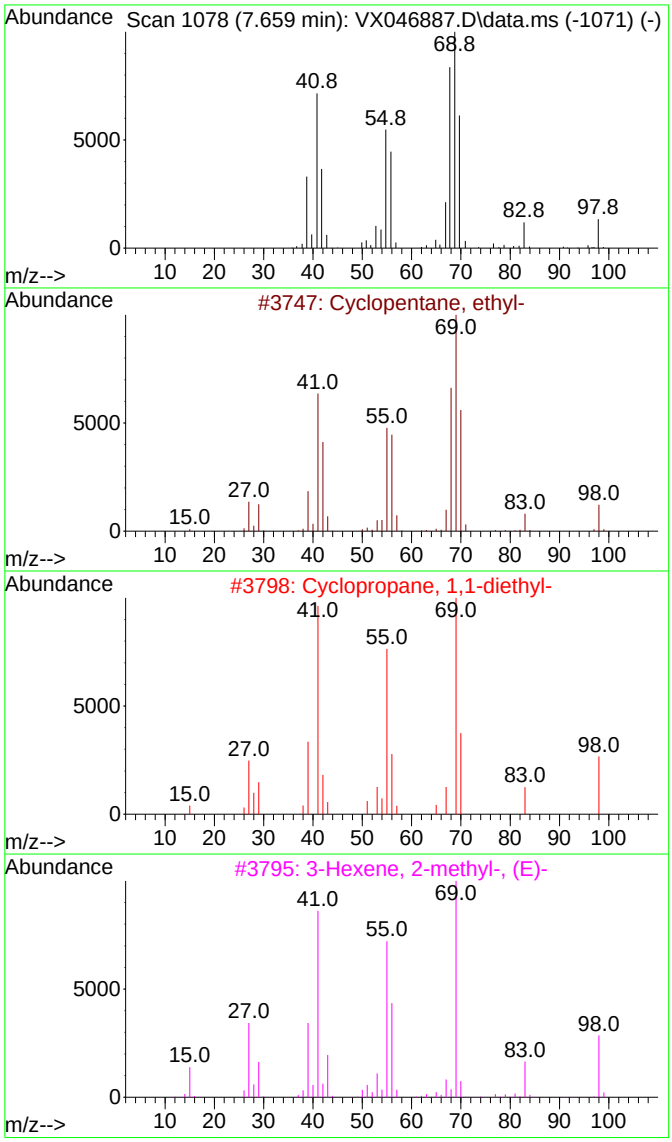
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TIC Integration Parameters: LSCINT.P

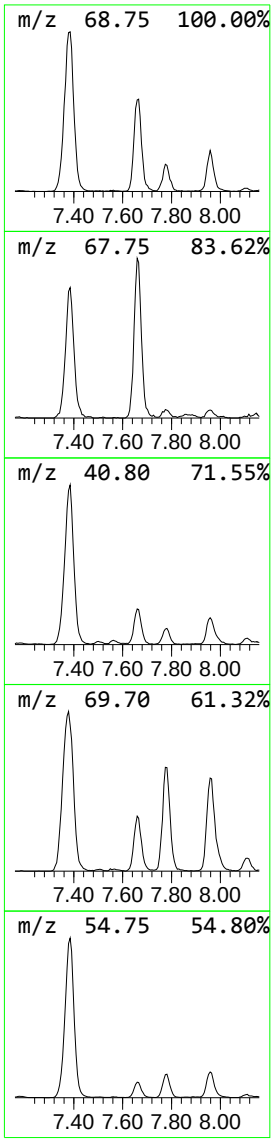
**********

Peak Number 9 Cyclopentane, ethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.659 | 9.03 ug/l | 403305 | 1,4-Difluorobenzene | 6.769 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, ethyl- | 98 | C7H14 | 001640-89-7 | 93 |
| 2 | Cyclopropane, 1,1-diethyl- | 98 | C7H14 | 001003-19-6 | 43 |
| 3 | 3-Hexene, 2-methyl-, (E)- | 98 | C7H14 | 000692-24-0 | 43 |
| 4 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 38 |
| 5 | 1-Pentene, 3-ethyl- | 98 | C7H14 | 004038-04-4 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

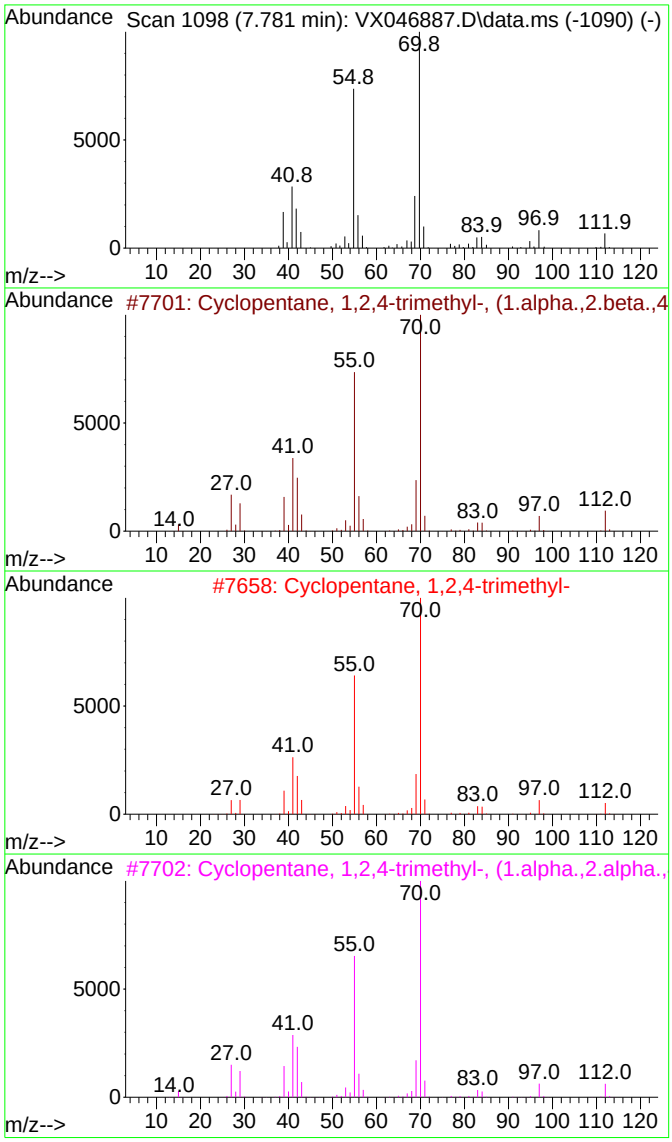
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

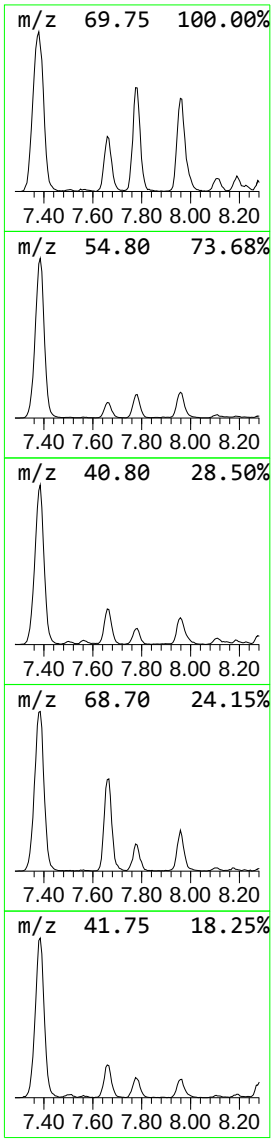
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Cyclopentane, 1,2,4-trimeth... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.781 | 6.16 ug/l | 275286 | 1,4-Difluorobenzene | 6.769 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2,4-trimethyl-, ... | 112 | C8H16 | 016883-48-0 | 94 |
| 2 | Cyclopentane, 1,2,4-trimethyl- | 112 | C8H16 | 002815-58-9 | 94 |
| 3 | Cyclopentane, 1,2,4-trimethyl-, ... | 112 | C8H16 | 004850-28-6 | 90 |
| 4 | Hexane, 2-methyl-4-methylene- | 112 | C8H16 | 003404-80-6 | 90 |
| 5 | 2-Heptene, 3-methyl- | 112 | C8H16 | 003404-75-9 | 80 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

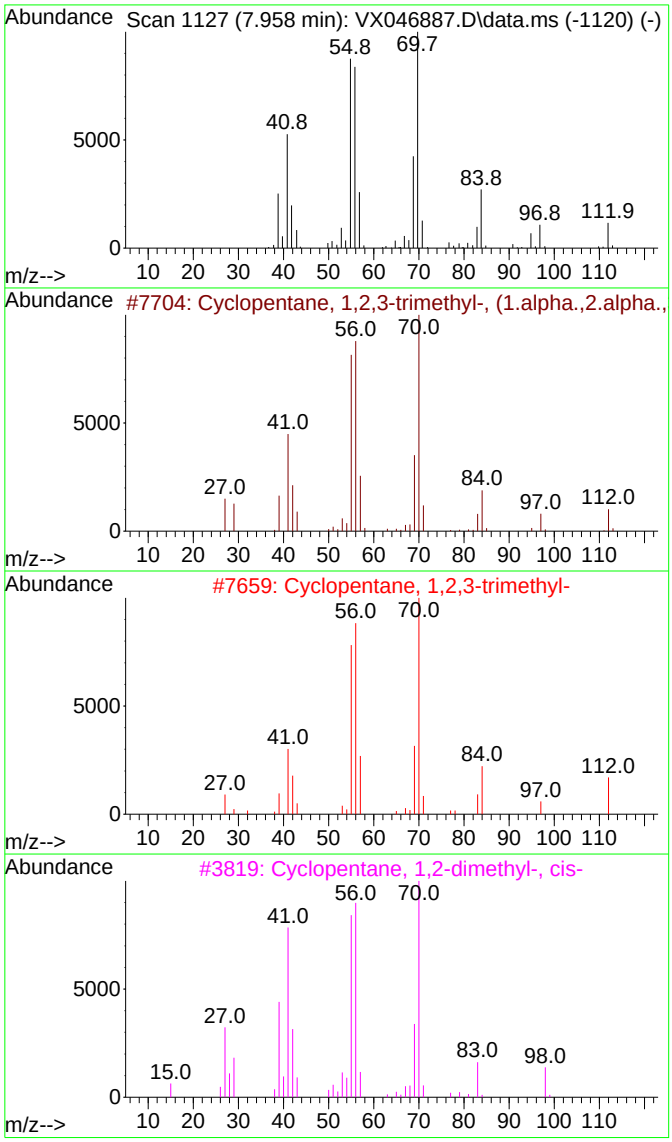
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Quant Title : SW846 8260

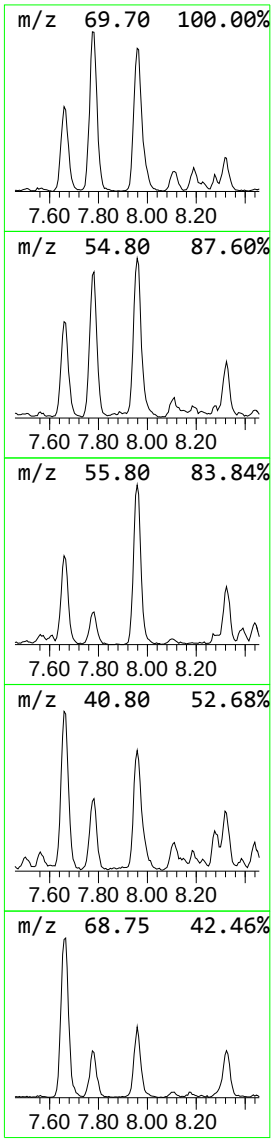
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Cyclopentane, 1,2,3-trimeth... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.958 | 10.61 ug/l | 473873 | 1,4-Difluorobenzene | 6.769 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16 | 015890-40-1 | 94 |
| 2 | Cyclopentane, 1,2,3-trimethyl- | 112 | C8H16 | 002815-57-8 | 91 |
| 3 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 72 |
| 4 | trans-1-Butyl-2-methylcyclopropane | 112 | C8H16 | 038851-70-6 | 64 |
| 5 | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16 | 002613-69-6 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

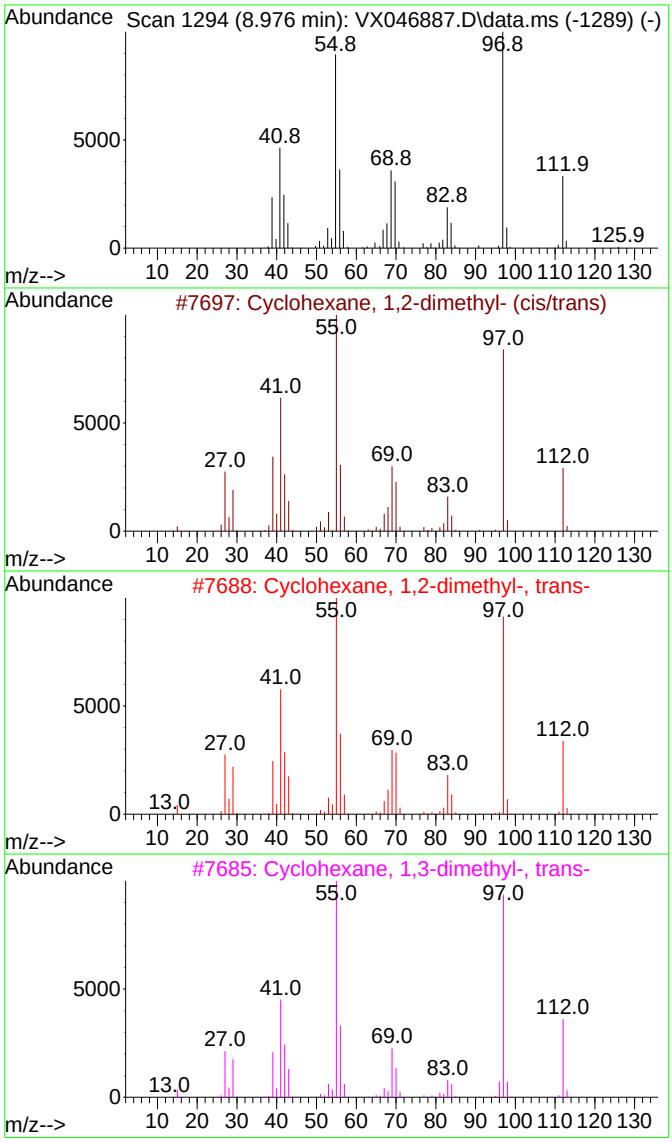
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

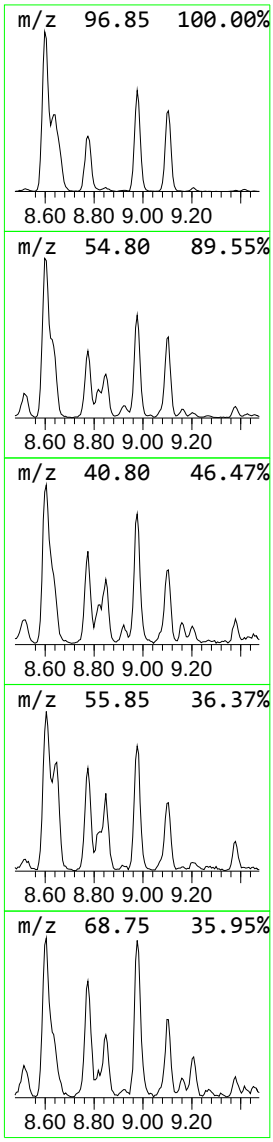
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Cyclohexane, 1,2-dimethyl- ... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.976 | 9.04 ug/l | 447767 | Chlorobenzene-d5 | 10.055 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,2-dimethyl- (cis/... | 112 | C8H16 | 000583-57-3 | 97 |
| 2 | Cyclohexane, 1,2-dimethyl-, trans- | 112 | C8H16 | 006876-23-9 | 96 |
| 3 | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16 | 002207-03-6 | 87 |
| 4 | Cyclohexane, 1,2-dimethyl-, cis- | 112 | C8H16 | 002207-01-4 | 83 |
| 5 | Cyclohexane, 1,4-dimethyl-, cis- | 112 | C8H16 | 000624-29-3 | 74 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

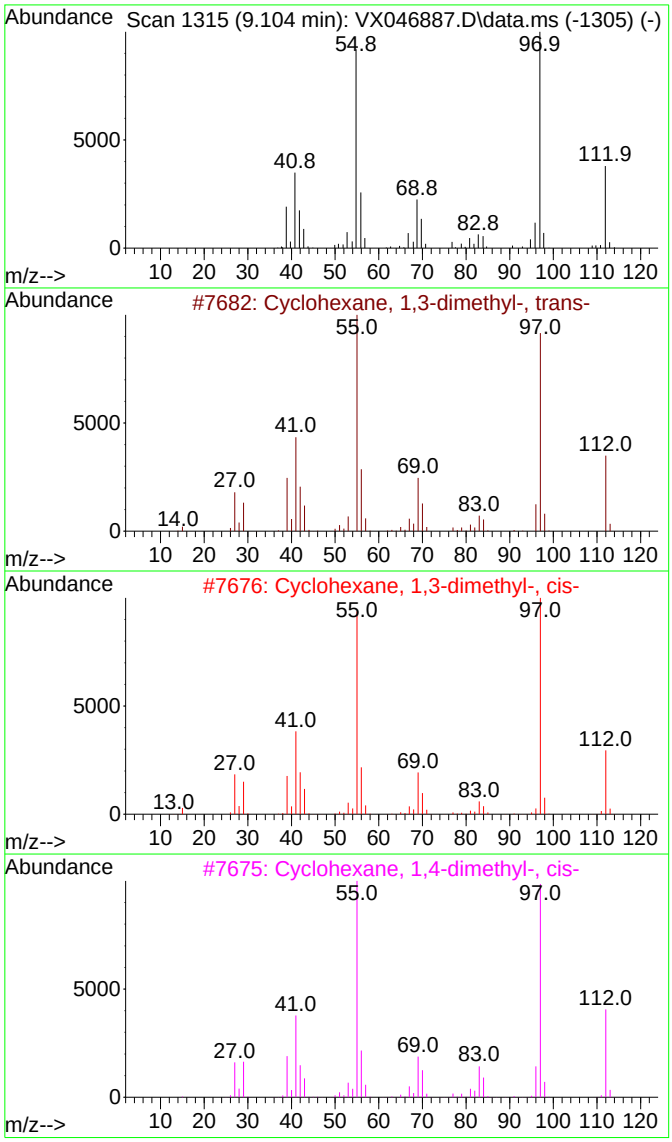
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Quant Title : SW846 8260

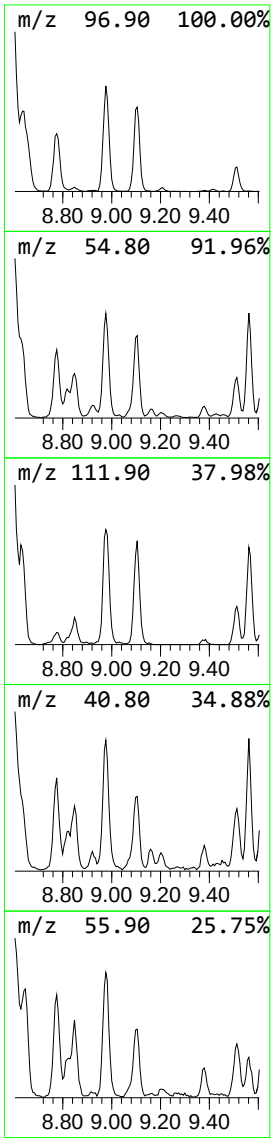
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.104 | 6.22 ug/l | 308262 | Chlorobenzene-d5 | 10.055 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16 | 002207-03-6 | 96 |
| 2 | Cyclohexane, 1,3-dimethyl-, cis- | 112 | C8H16 | 000638-04-0 | 94 |
| 3 | Cyclohexane, 1,4-dimethyl-, cis- | 112 | C8H16 | 000624-29-3 | 94 |
| 4 | Cyclohexane, 1,4-dimethyl- | 112 | C8H16 | 000589-90-2 | 94 |
| 5 | Cyclohexane, 1,4-dimethyl-, trans- | 112 | C8H16 | 002207-04-7 | 94 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

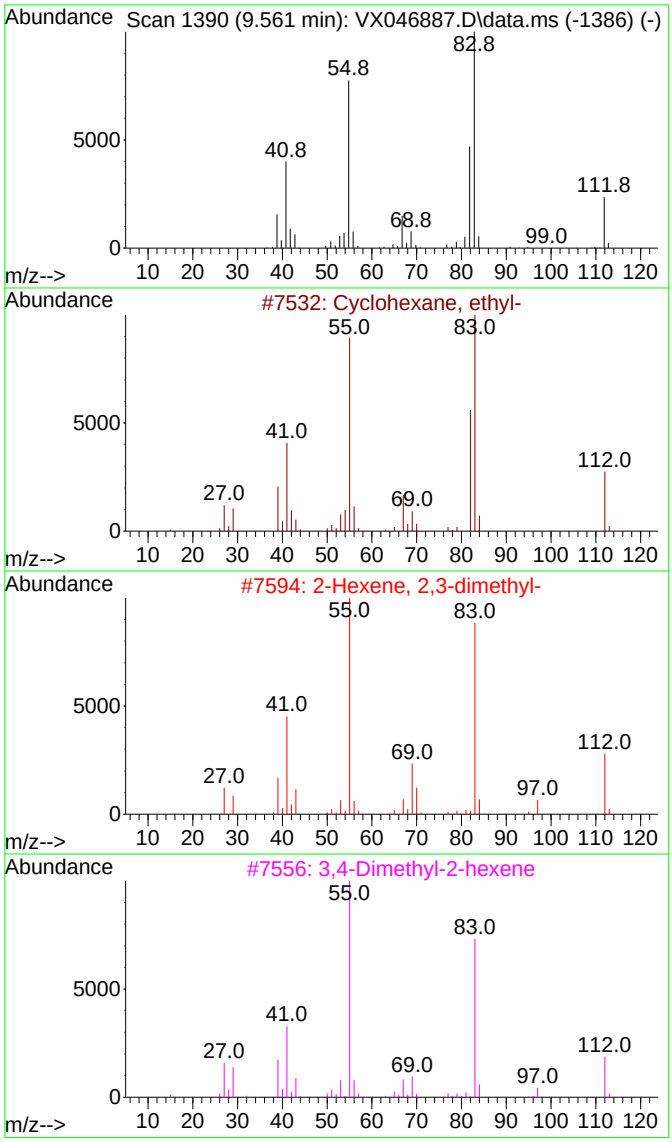
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

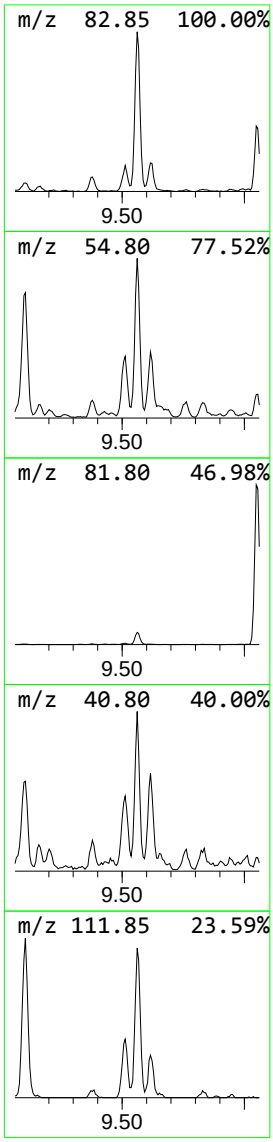
**********

Peak Number 14 Cyclohexane, ethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.561 | 6.45 ug/l | 319287 | Chlorobenzene-d5 | 10.055 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, ethyl- | 112 | C8H16 | 001678-91-7 | 95 |
| 2 | 2-Hexene, 2,3-dimethyl- | 112 | C8H16 | 007145-20-2 | 58 |
| 3 | 3,4-Dimethyl-2-hexene | 112 | C8H16 | 002213-37-8 | 58 |
| 4 | Oxalic acid, cyclohexyl dodecyl ... | 340 | C20H36O4 | 1000309-31-4 | 53 |
| 5 | 2-Pentene, 3-ethyl-2-methyl- | 112 | C8H16 | 019780-67-7 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

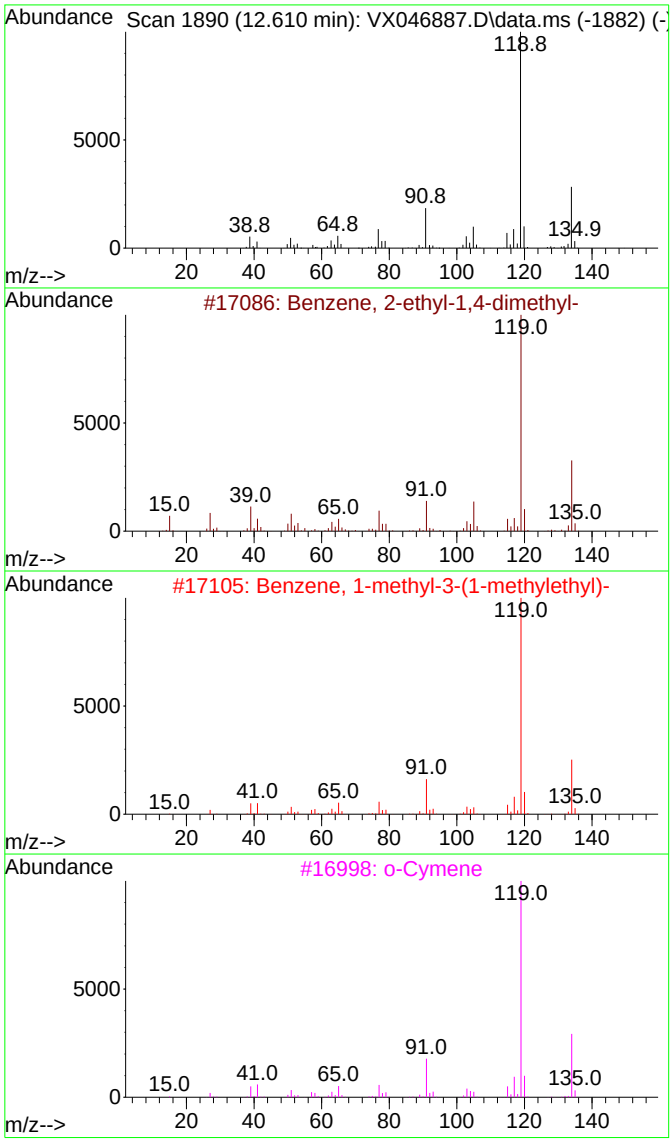
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

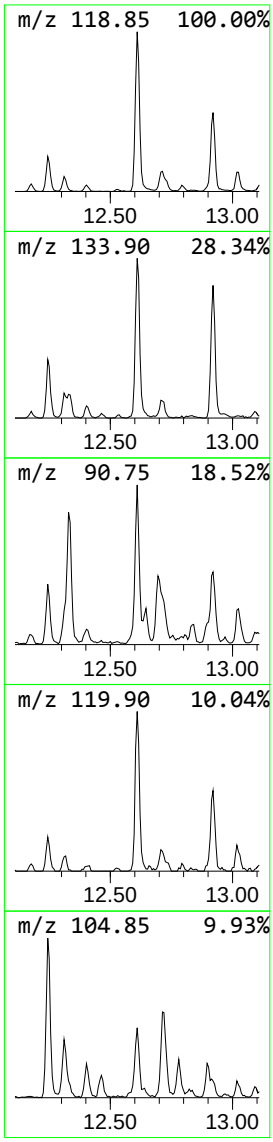
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.610 | 6.43 ug/l | 328364 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 95 |
| 2 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 94 |
| 3 | o-Cymene | 134 | C10H14 | 000527-84-4 | 94 |
| 4 | p-Cymene | 134 | C10H14 | 000099-87-6 | 93 |
| 5 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

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

| TIC Top Hit name | RT | EstConc | Units | Response | Internal Standard # | Internal Standard RT | Internal Standard Resp | Internal Standard Conc |
|---|---|---|---|---|---|---|---|---|
| Butane, 2,3-dim... | 2.800 | 8.1 | ug/l | 192344 | 1 | 5.562 | 1183250 | 50.0 |
| Pentane, 2-methyl- | 2.843 | 29.4 | ug/l | 696670 | 1 | 5.562 | 1183250 | 50.0 |
| Pentane, 3-methyl- | 3.117 | 25.4 | ug/l | 599952 | 1 | 5.562 | 1183250 | 50.0 |
| Cyclopentane, m... | 4.318 | 45.1 | ug/l | 1066290 | 1 | 5.562 | 1183250 | 50.0 |
| Hexane, 3-methyl- | 5.843 | 33.9 | ug/l | 801442 | 1 | 5.562 | 1183250 | 50.0 |
| Cyclopentane, 1... | 6.166 | 40.0 | ug/l | 946190 | 1 | 5.562 | 1183250 | 50.0 |
| Cyclopentane, 1... | 6.269 | 20.7 | ug/l | 924578 | 2 | 6.769 | 2232970 | 50.0 |
| Isopropylcyclob... | 6.367 | 26.0 | ug/l | 1160600 | 2 | 6.769 | 2232970 | 50.0 |
| Cyclopentane, e... | 7.659 | 9.0 | ug/l | 403305 | 2 | 6.769 | 2232970 | 50.0 |
| Cyclopentane, 1... | 7.781 | 6.2 | ug/l | 275286 | 2 | 6.769 | 2232970 | 50.0 |
| Cyclopentane, 1... | 7.958 | 10.6 | ug/l | 473873 | 2 | 6.769 | 2232970 | 50.0 |
| Cyclohexane, 1,... | 8.976 | 9.0 | ug/l | 447767 | 3 | 10.055 | 2476290 | 50.0 |
| Cyclohexane, 1,... | 9.104 | 6.2 | ug/l | 308262 | 3 | 10.055 | 2476290 | 50.0 |
| Cyclohexane, et... | 9.561 | 6.5 | ug/l | 319287 | 3 | 10.055 | 2476290 | 50.0 |
| Benzene, 2-ethy... | 12.610 | 6.4 | ug/l | 328364 | 4 | 12.018 | 2551460 | 50.0 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 15 02:41:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) Pentafluorobenzene | 7.959 | 168 | 210867 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.849 | 114 | 390097 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.629 | 117 | 330238 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 124443 | 50.000 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.319 | 65 | 121517 | 40.155 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 63 - 155 | | Recovery = 80.320% | | | | |
| 35) Dibromofluoromethane | 7.898 | 113 | 109893 | 43.171 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 70 - 134 | | Recovery = 86.340% | | | | |
| 50) Toluene-d8 | 10.325 | 98 | 454812 | 48.011 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 74 - 123 | | Recovery = 96.020% | | | | |
| 62) 4-Bromofluorobenzene | 12.617 | 95 | 132548 | 38.022 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 17 - 146 | | Recovery = 76.040% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 16) Acetone | 4.161 | 43 | 183992 | 245.985 | ug/l | | 94 |
| 17) Carbon Disulfide | 4.417 | 76 | 14969 | 2.226 | ug/l | | 99 |
| 25) 2-Butanone | 7.191 | 43 | 79299 | 81.491 | ug/l | # | 87 |
| 31) Cyclohexane | 7.972 | 56 | 1772349 | 411.327 | ug/l | | 93 |
| 39) Methylcyclohexane | 9.343 | 83 | 3108704 | 678.321 | ug/l | | 97 |
| 52) Toluene | 10.392 | 92 | 25535 | 3.660 | ug/l | | 97 |
| 67) Ethyl Benzene | 11.733 | 91 | 17565 | 1.390 | ug/l | | 89 |
| 68) m/p-Xylenes | 11.837 | 106 | 99062 | 20.396 | ug/l | | 95 |
| 69) o-Xylene | 12.166 | 106 | 19927 | 4.431 | ug/l | | 92 |
| 73) Isopropylbenzene | 12.465 | 105 | 235287 | 24.857 | ug/l | | 99 |
| 78) n-propylbenzene | 12.800 | 91 | 426293 | 37.608 | ug/l | | 97 |
| 80) 1,3,5-Trimethylbenzene | 12.940 | 105 | 127325 | 16.250 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.245 | 105 | 289573 | 36.475 | ug/l | | 98 |
| 85) sec-Butylbenzene | 13.379 | 105 | 54204 | 5.381 | ug/l | # | 72 |
| 86) p-Isopropyltoluene | 13.495 | 119 | 35983 | 4.334 | ug/l | | 92 |
| 89) n-Butylbenzene | 13.812 | 91 | 26880m | 3.332 | ug/l | | |

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

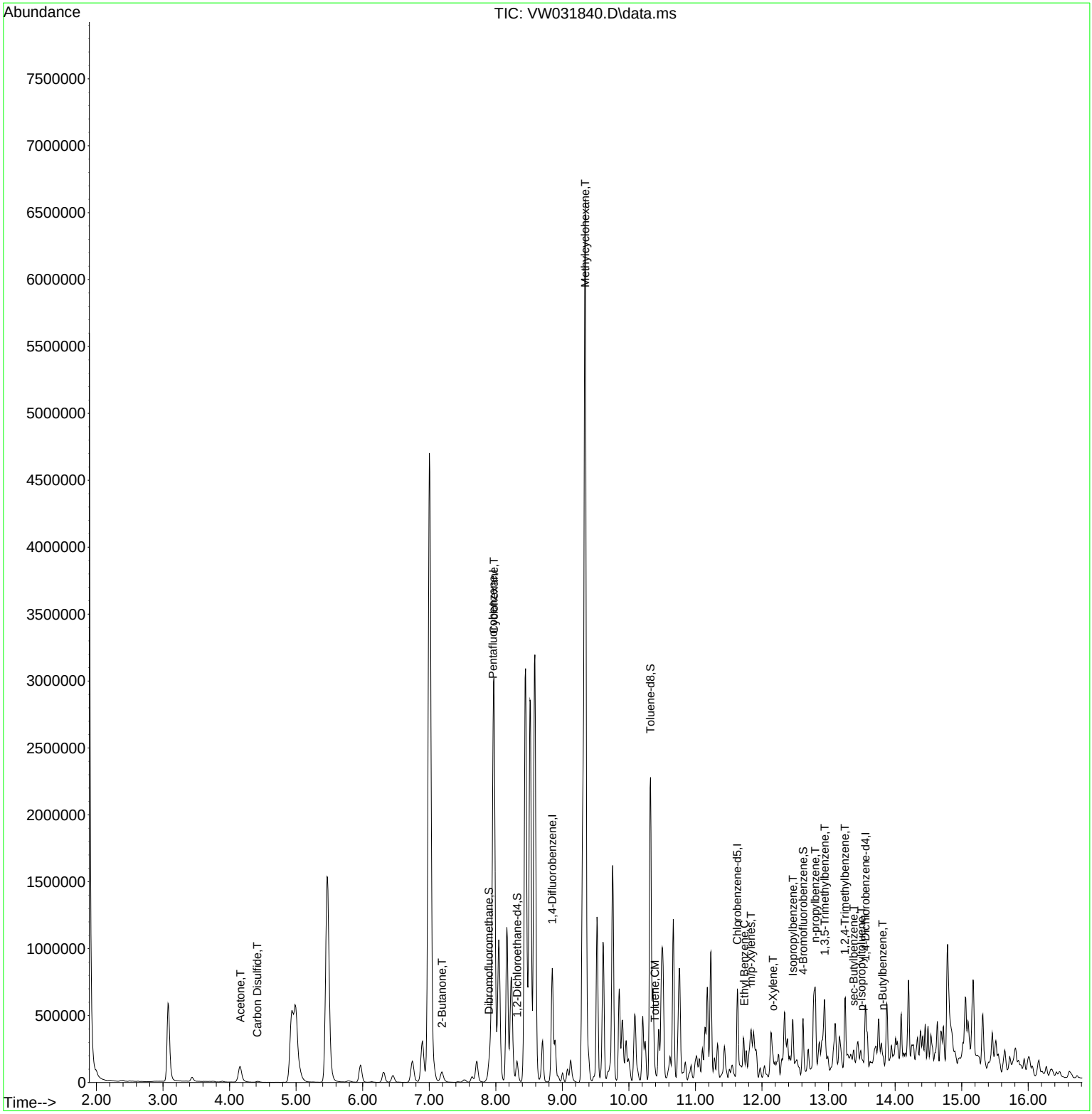
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

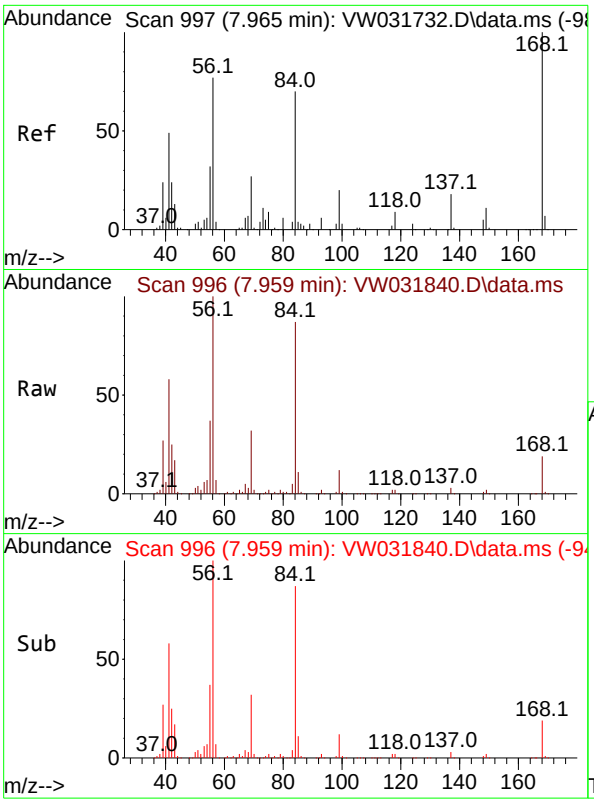
Quant Time: Jul 15 02:41:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

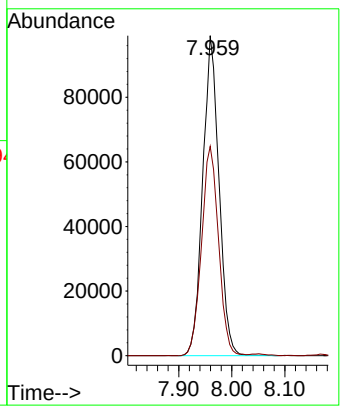





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion:168 Resp: 21086

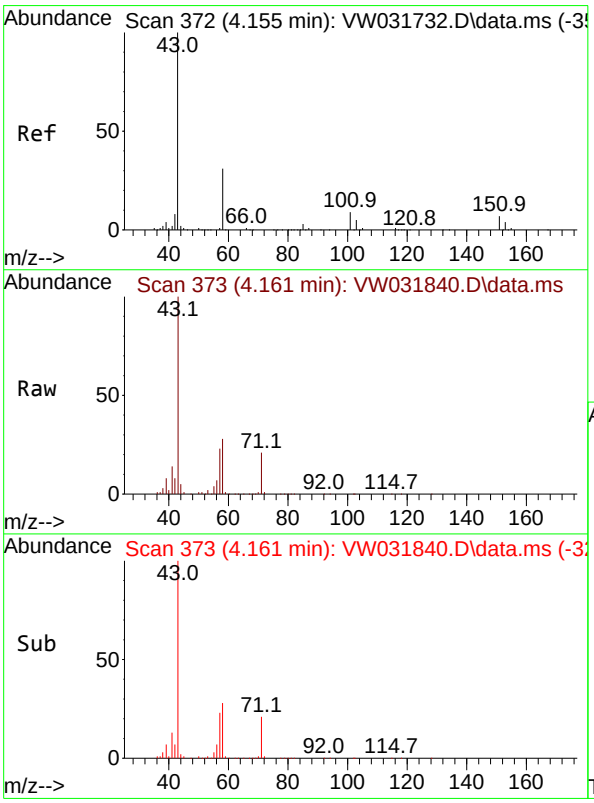
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 65.4 | 49.4 | 74.2 |




**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

**Manual Integrations**
**APPROVED**

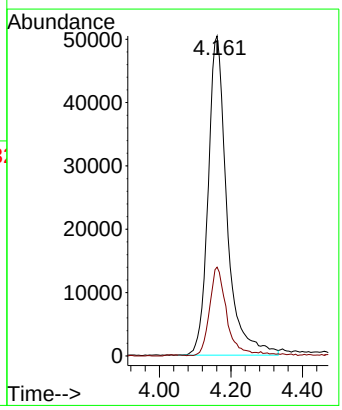
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

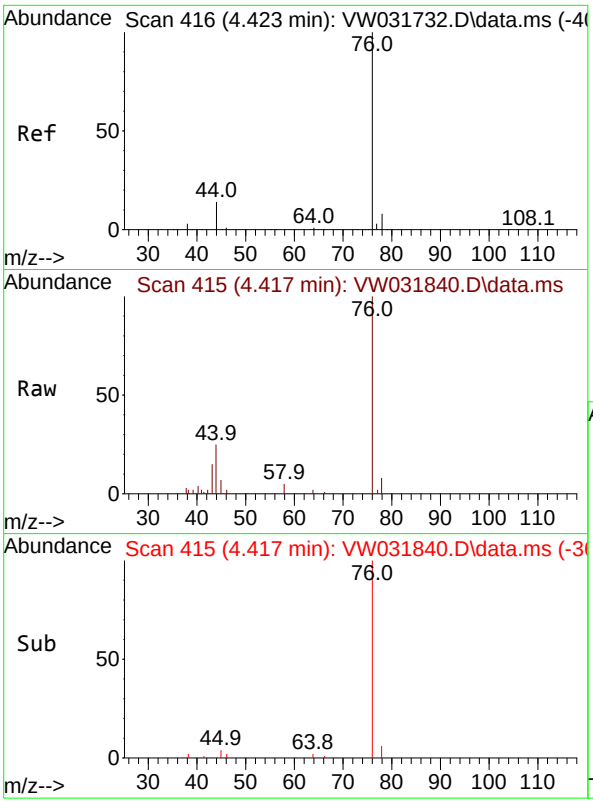



#16
Acetone
Concen: 245.985 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.007 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion: 43 Resp: 183992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.5 | 24.8 | 37.2 |






#17
Carbon Disulfide
Concen: 2.226 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

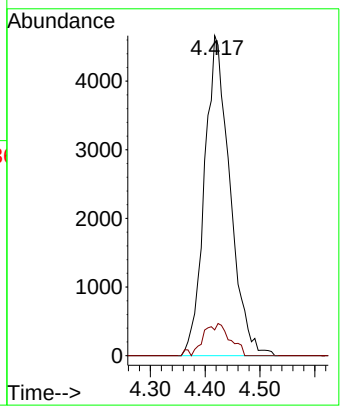
Tgt Ion: 76 Resp: 1496

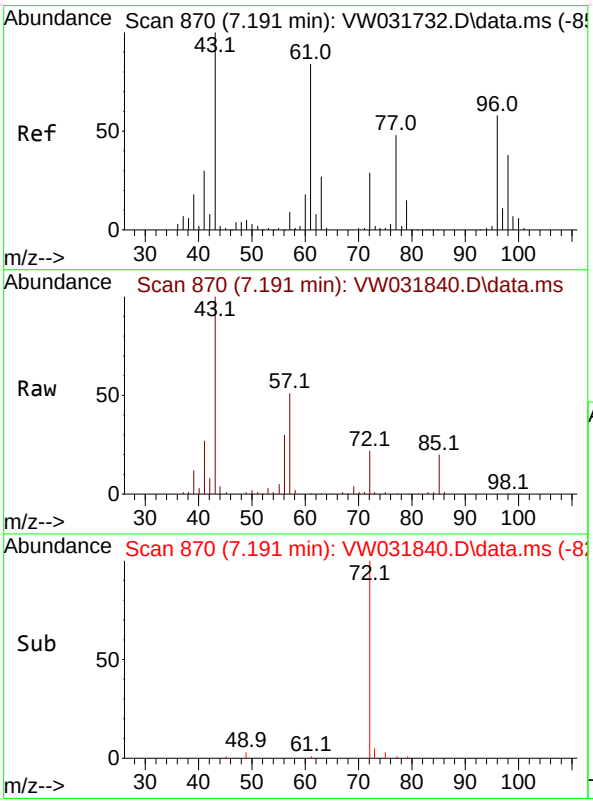
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.0 | 6.6 | 10.0 |

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

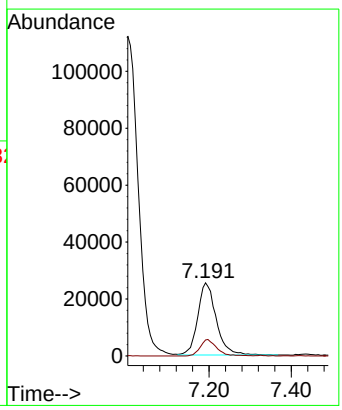


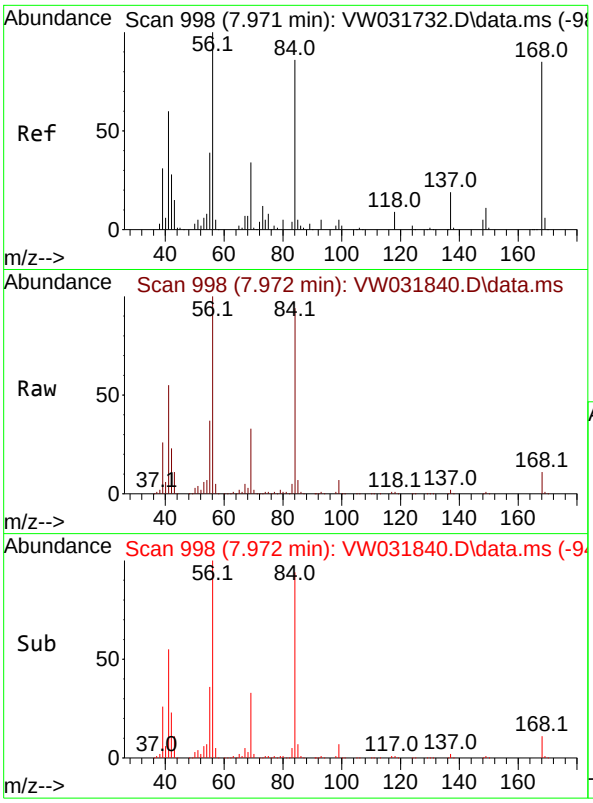




#25
2-Butanone
Concen: 81.491 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion: 43 Resp: 79299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 22.1 | 23.0 | 34.6# |

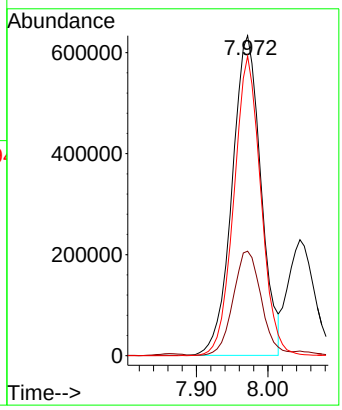





#31
Cyclohexane
Concen: 411.327 ug/l
RT: 7.972 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion: 56 Resp: 177234

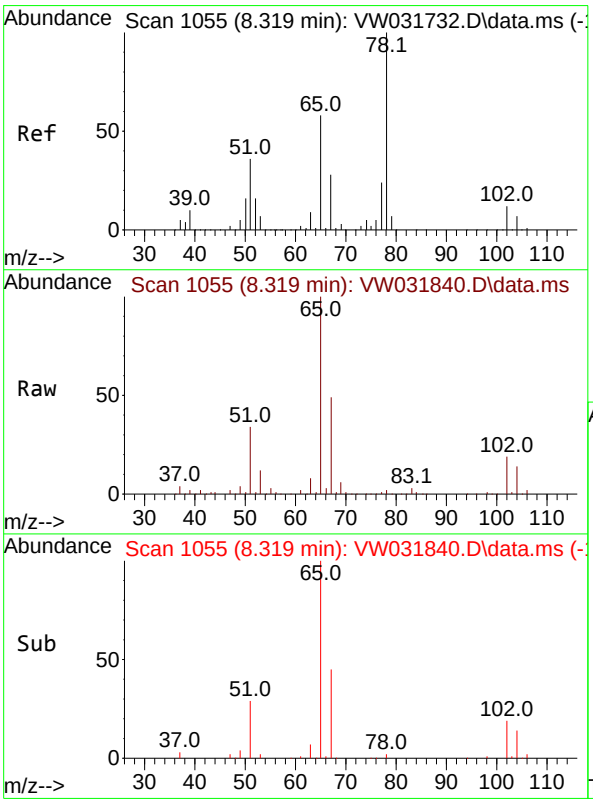
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.2 | 27.2 | 40.8 |
| 84 | 93.7 | 68.5 | 102.7 |




**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

**Manual Integrations**
**APPROVED**

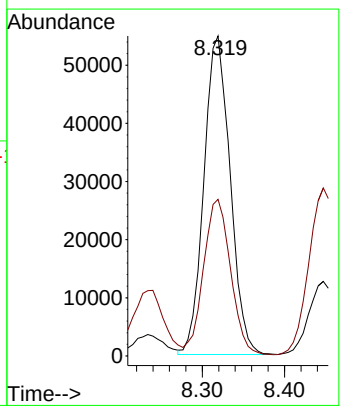
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

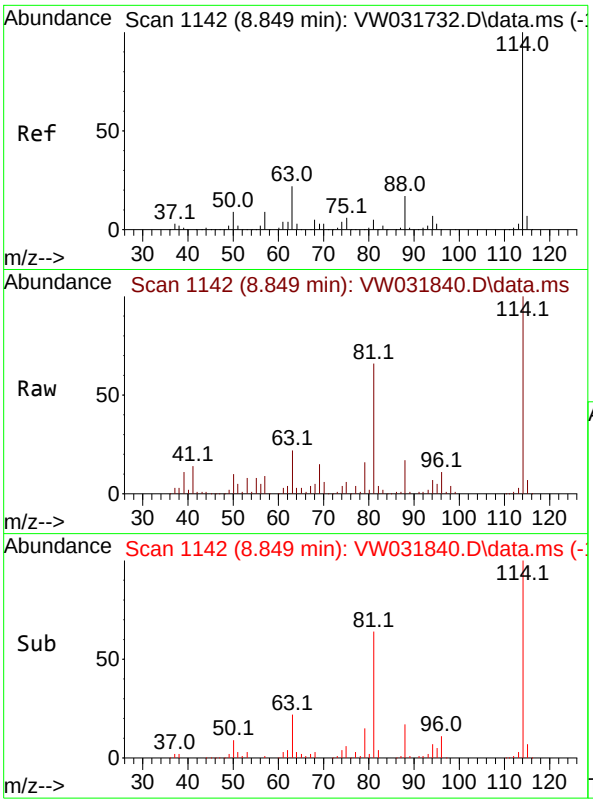



#33
1,2-Dichloroethane-d4
Concen: 40.155 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion: 65 Resp: 121517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.1 | 0.0 | 99.4 |






#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

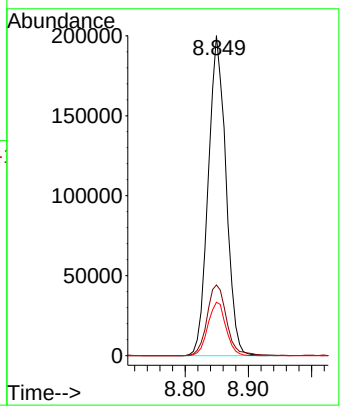
Tgt Ion:114 Resp: 39009

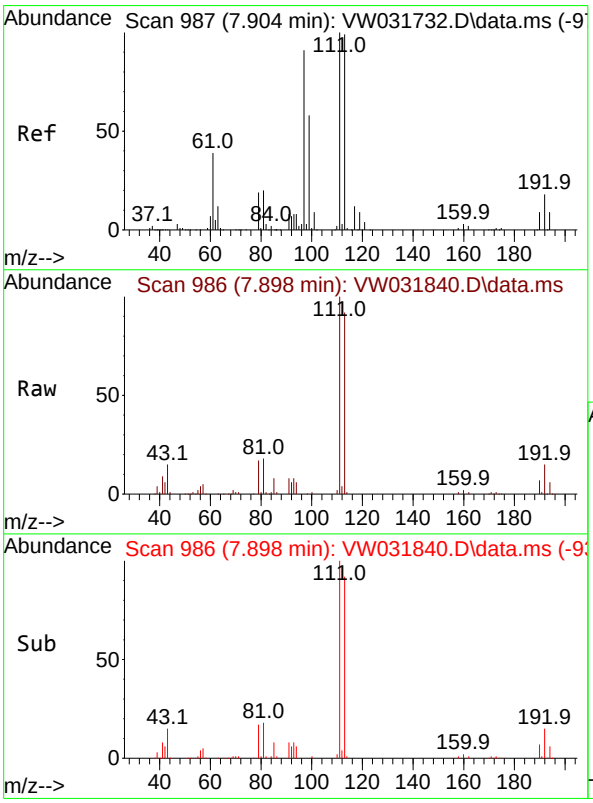
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.1 | 0.0 | 43.6 |
| 88 | 16.7 | 0.0 | 34.2 |

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

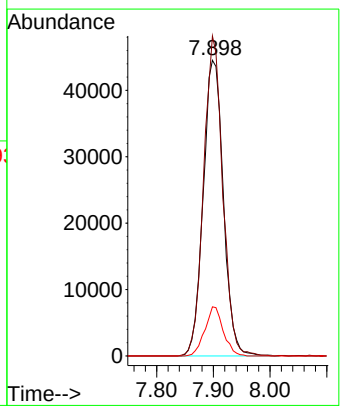


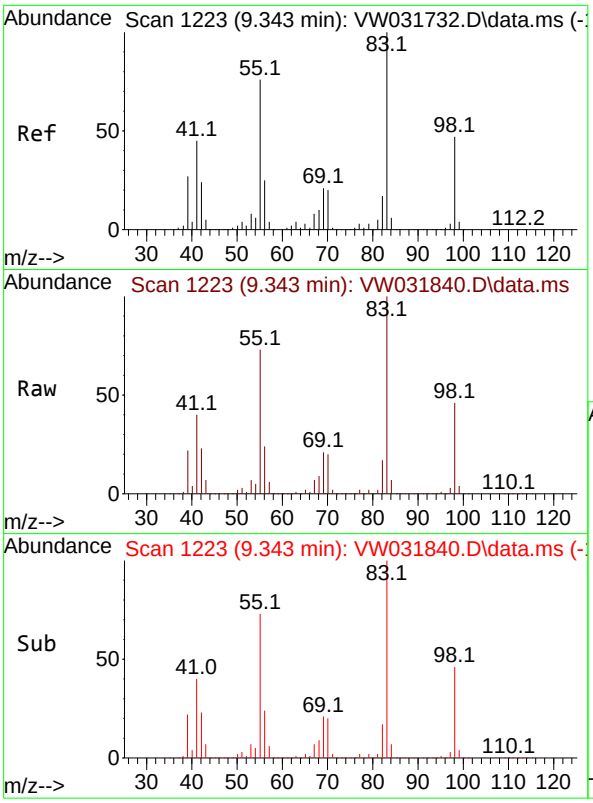




#35
Dibromofluoromethane
Concen: 43.171 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion:113 Resp: 109893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.7 | 82.1 | 123.1 |
| 192 | 15.2 | 13.8 | 20.6 |






#39
Methylcyclohexane
Concen: 678.321 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

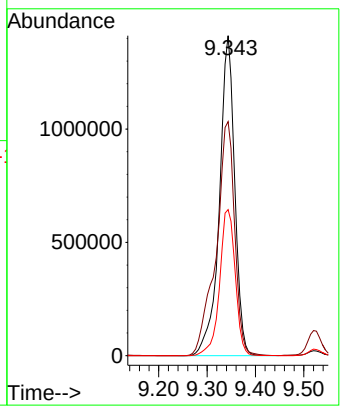
Tgt Ion: 83 Resp: 310870

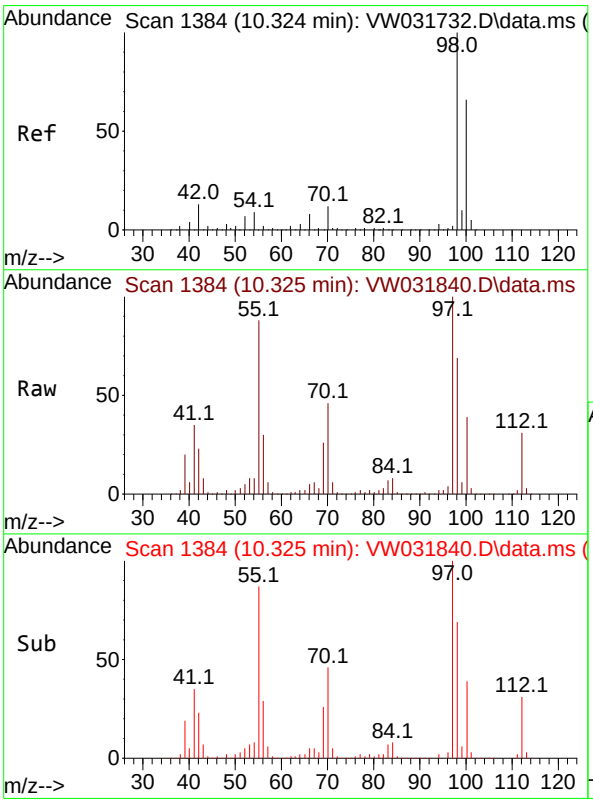
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 73.1 | 61.0 | 91.4 |
| 98 | 45.6 | 37.9 | 56.9 |

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

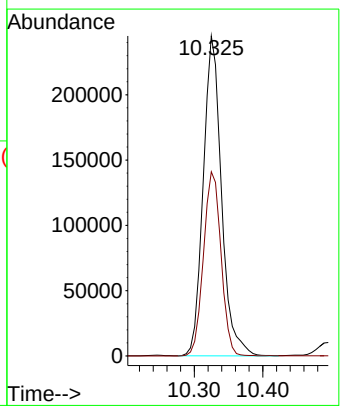


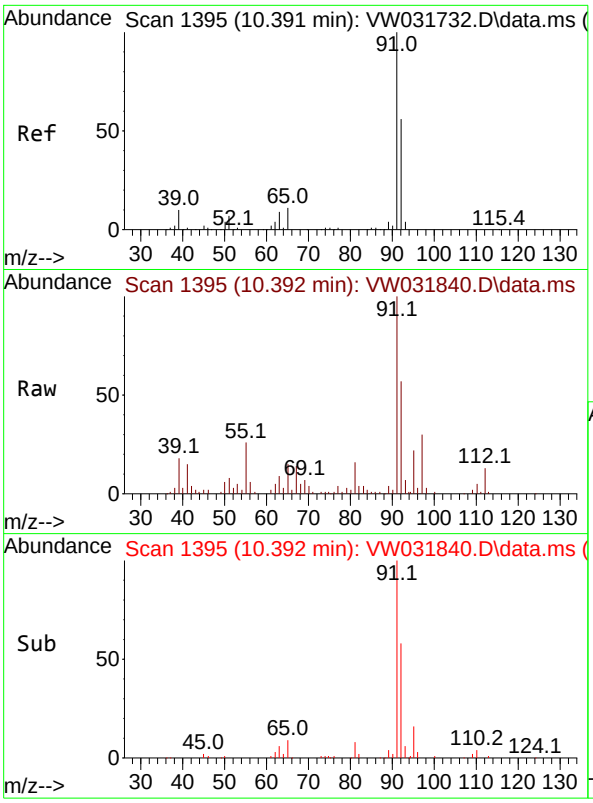




#50
Toluene-d8
Concen: 48.011 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion: 98 Resp: 454812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 55.2 | 53.0 | 79.4 |






#52
Toluene
Concen: 3.660 ug/l
RT: 10.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

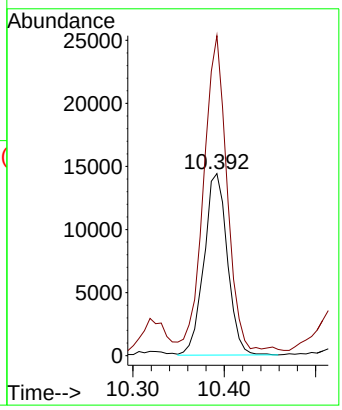
Tgt Ion: 92 Resp: 2553

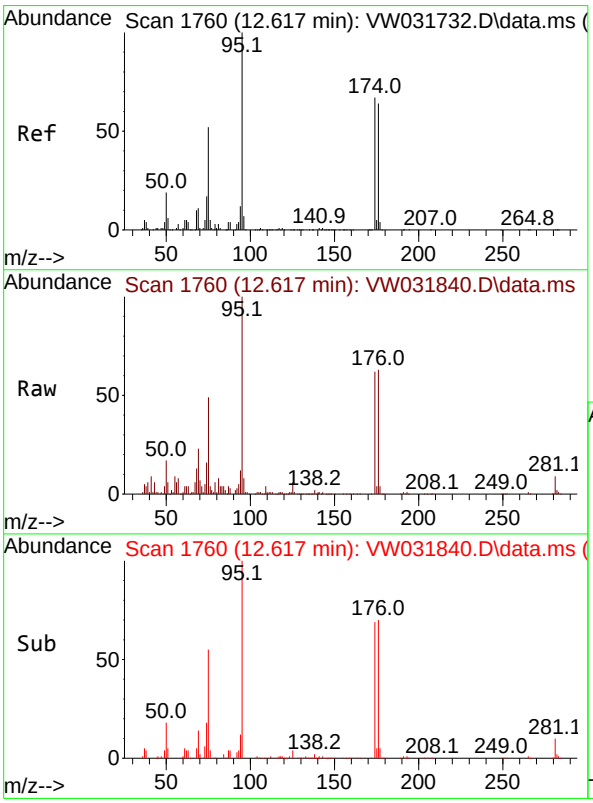
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.3 | 139.5 | 209.3 |

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

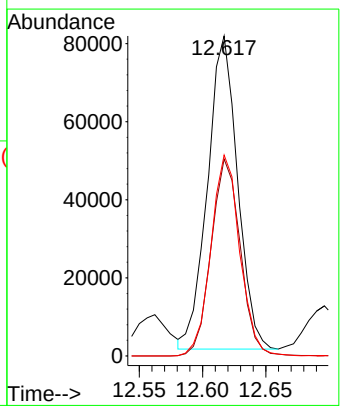


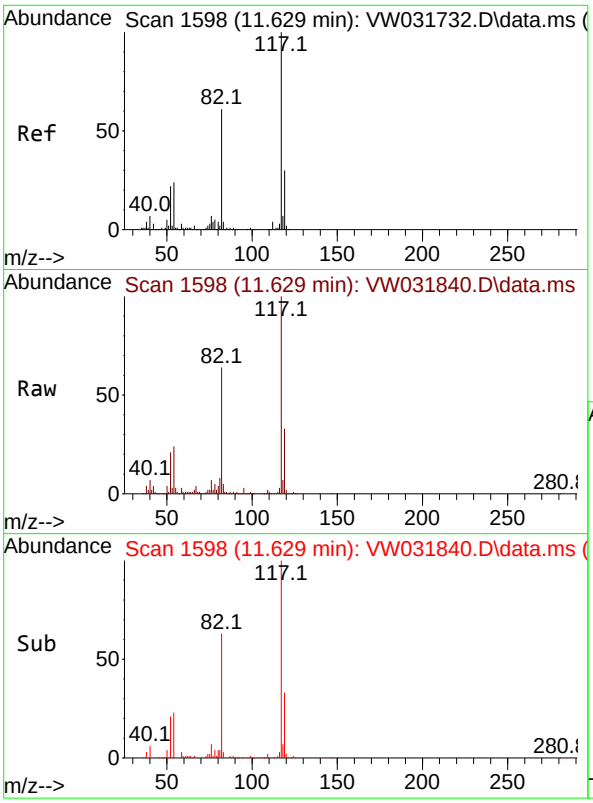




#62
4-Bromofluorobenzene
Concen: 38.022 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion: 95 Resp: 132548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 61.0 | 0.0 | 133.8 |
| 176 | 61.5 | 0.0 | 126.0 |

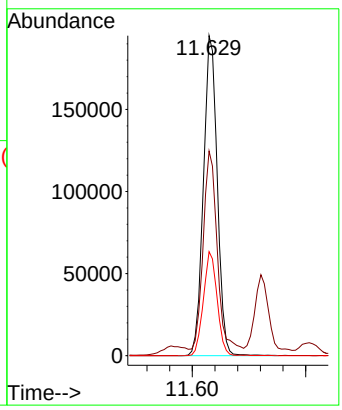





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion:117 Resp: 33023

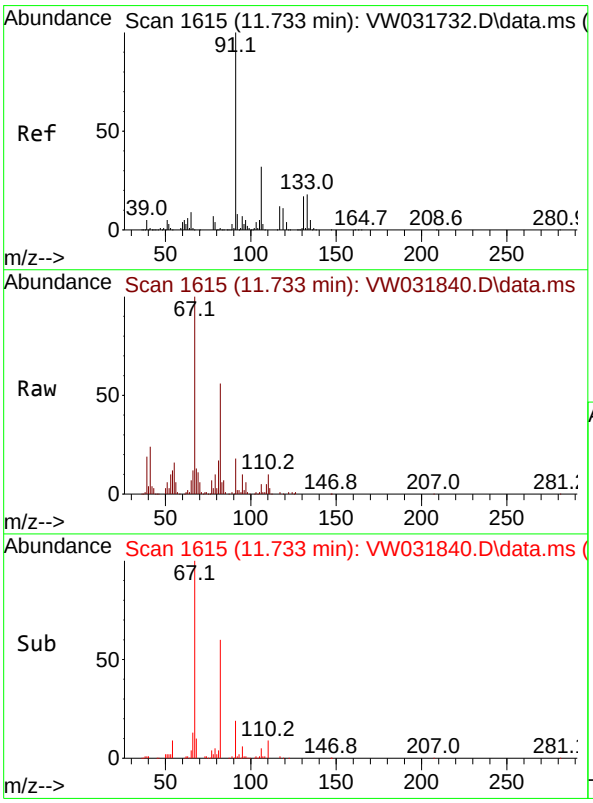
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 61.6 | 48.6 | 72.8 |
| 119 | 32.5 | 23.9 | 35.9 |




**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

**Manual Integrations**
**APPROVED**

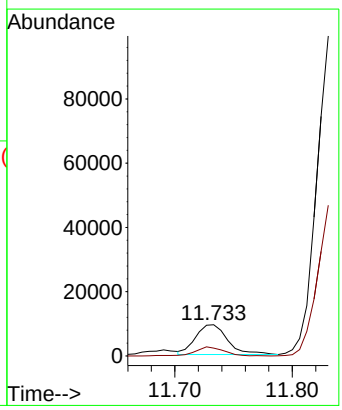
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

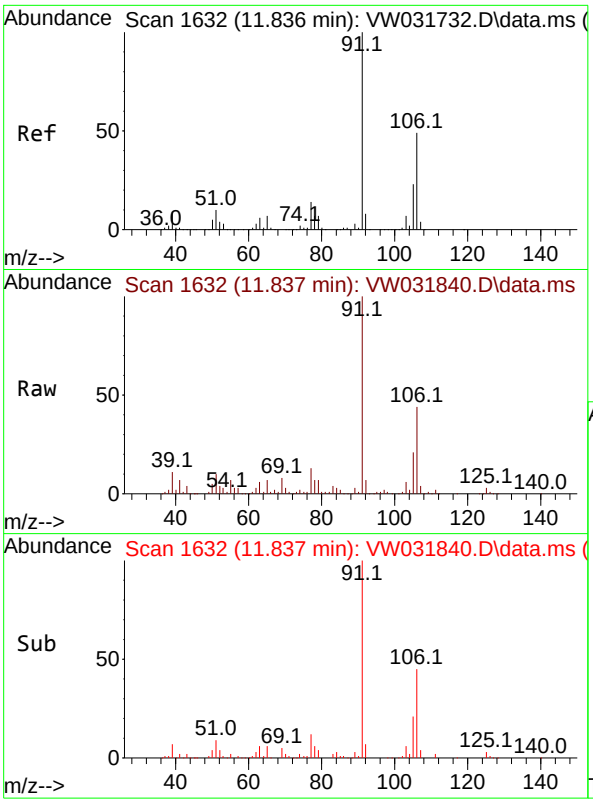



#67
Ethyl Benzene
Concen: 1.390 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion: 91 Resp: 17565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 25.4 | 25.4 | 38.2 |






#68
m/p-Xylenes
Concen: 20.396 ug/l
RT: 11.837 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

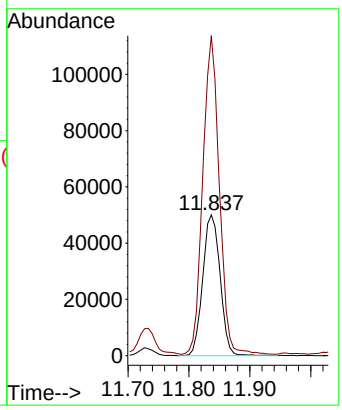
Tgt Ion:106 Resp: 9906

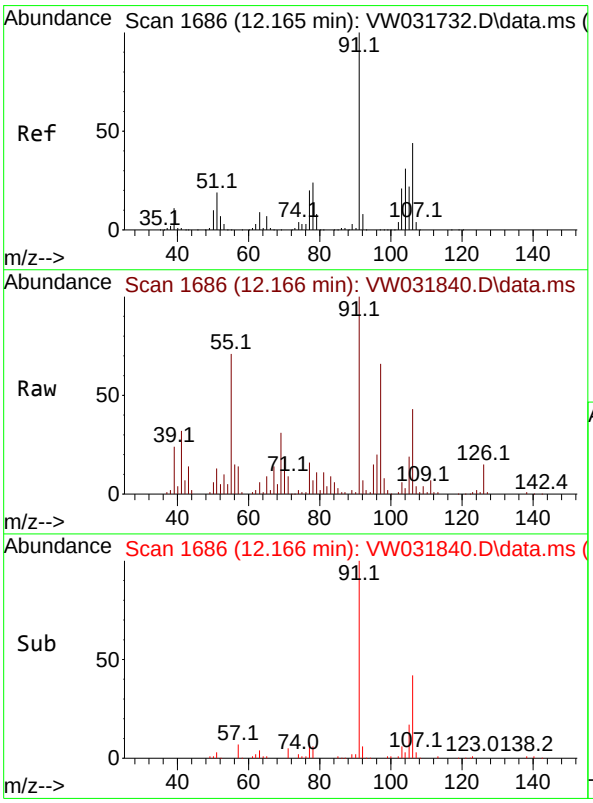
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.0 | 166.4 | 249.6 |

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

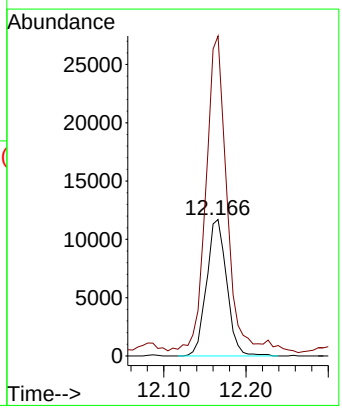


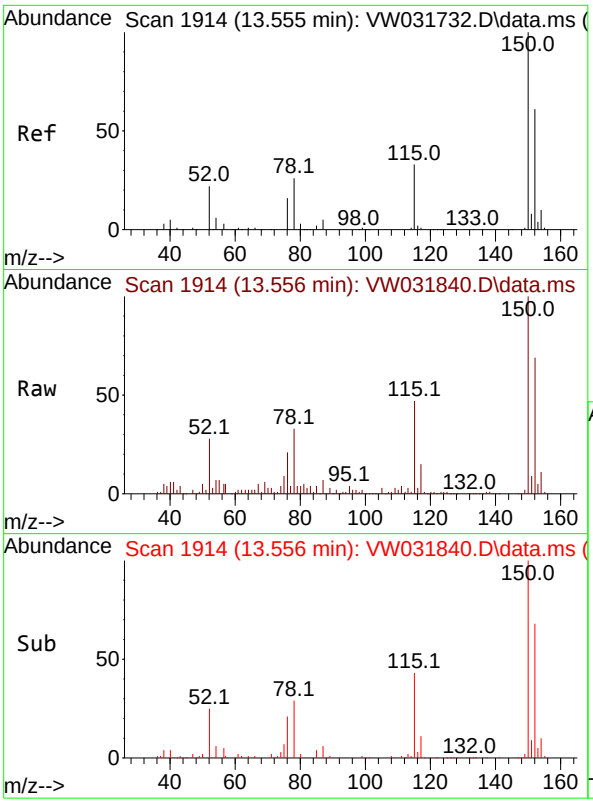




#69
o-Xylene
Concen: 4.431 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion:106 Resp: 19927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 235.1 | 111.5 | 334.4 |

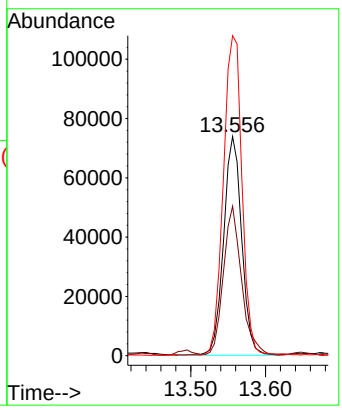





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion:152 Resp: 12444

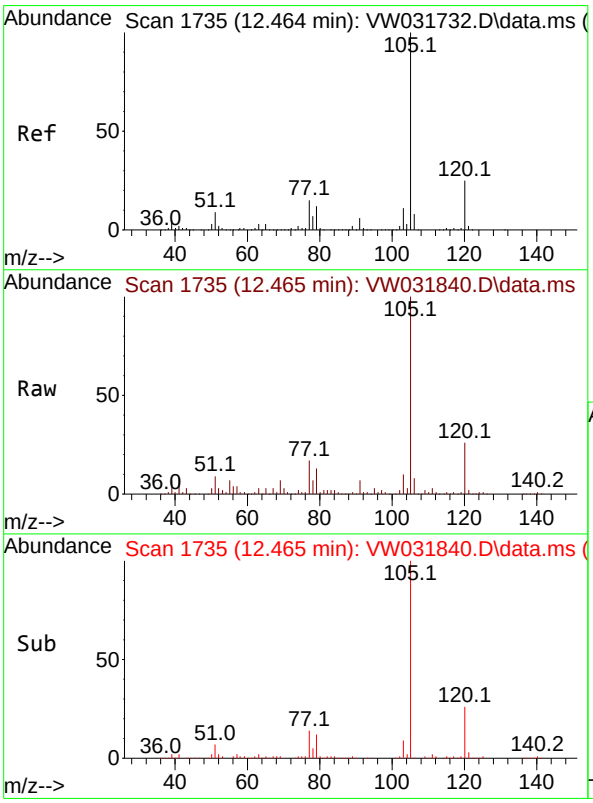
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 68.3 | 31.9 | 95.7 |
| 150 | 150.0 | 0.0 | 356.4 |




**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

**Manual Integrations**
**APPROVED**

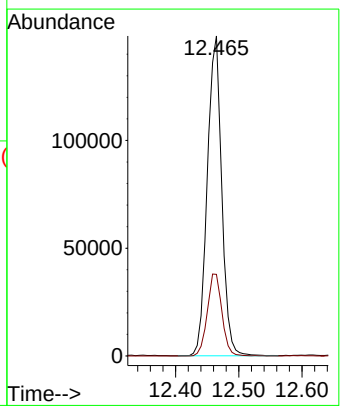
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

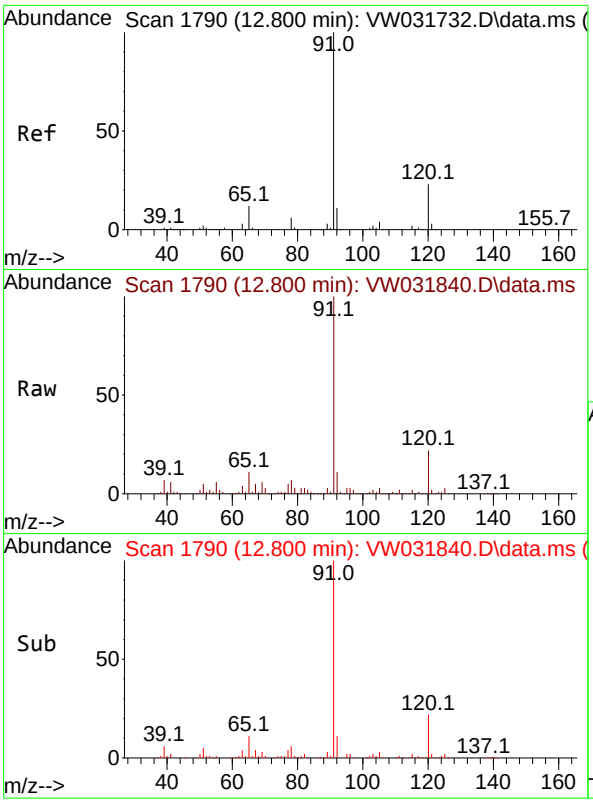



#73
Isopropylbenzene
Concen: 24.857 ug/l
RT: 12.465 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion:105 Resp: 235287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.1 | 12.8 | 38.4 |






#78
n-propylbenzene
Concen: 37.608 ug/l
RT: 12.800 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

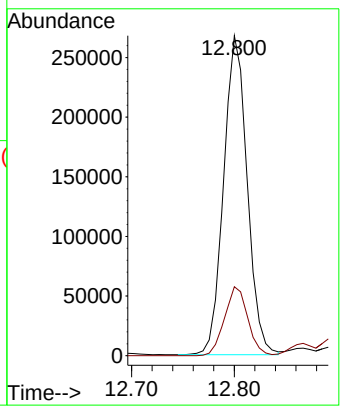
Tgt Ion: 91 Resp: 42629

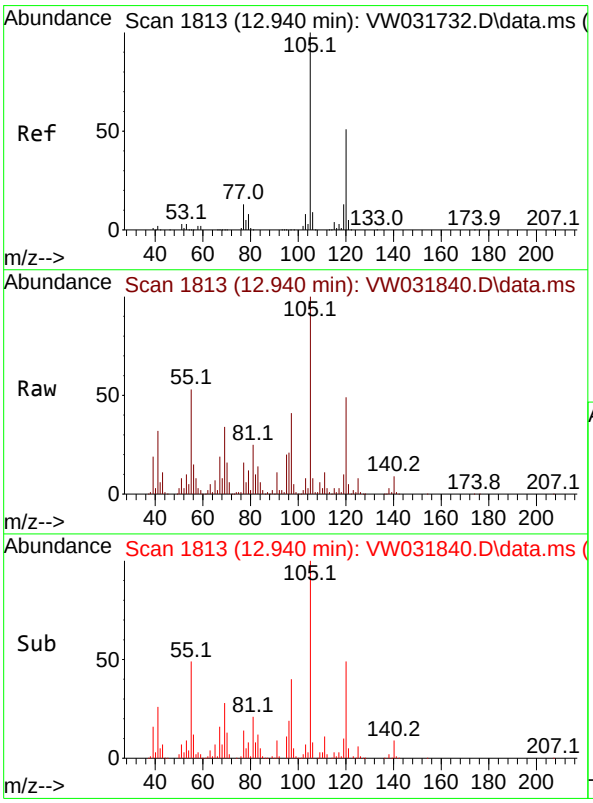
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.3 | 11.5 | 34.4 |

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

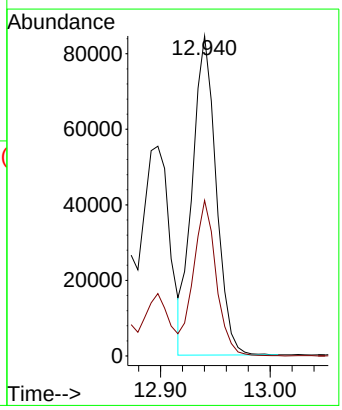


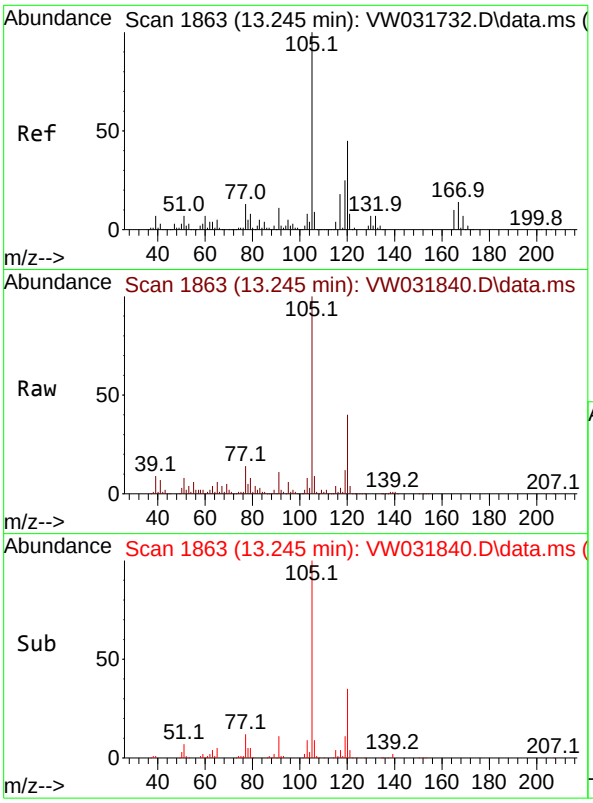




#80
1,3,5-Trimethylbenzene
Concen: 16.250 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion:105 Resp: 127325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.8 | 23.8 | 71.2 |

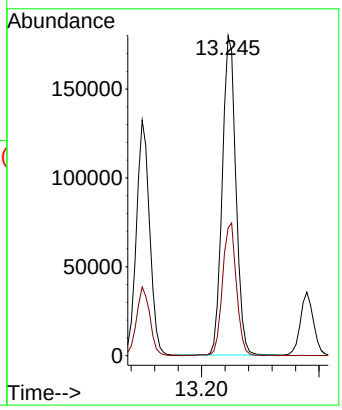





#84
1,2,4-Trimethylbenzene
Concen: 36.475 ug/l
RT: 13.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion:105 Resp: 28957

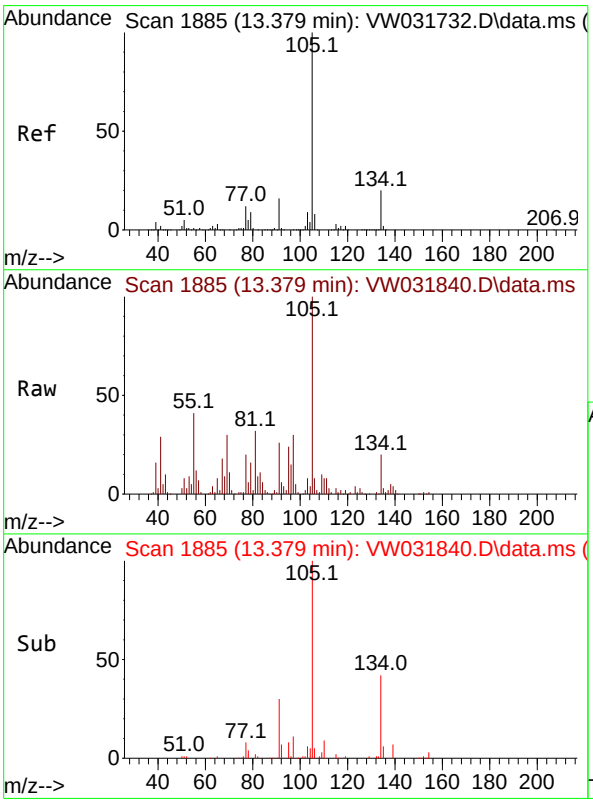
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.5 | 22.1 | 66.1 |




**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

**Manual Integrations**
**APPROVED**

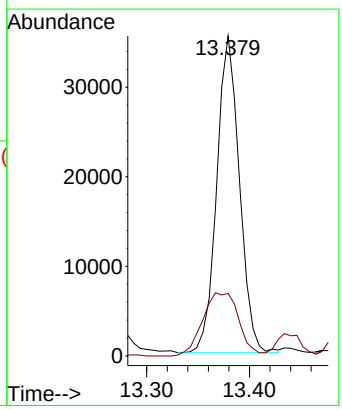
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

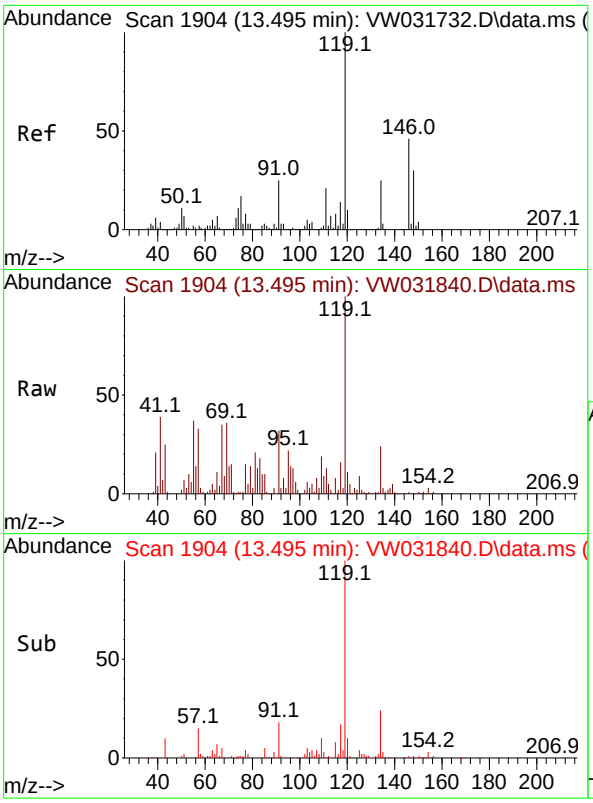



#85
sec-Butylbenzene
Concen: 5.381 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion:105 Resp: 54204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 31.8 | 9.6 | 28.8# |

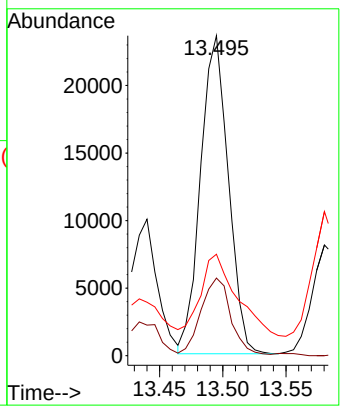





#86
p-Isopropyltoluene
Concen: 4.334 ug/l
RT: 13.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion:119 Resp: 3598

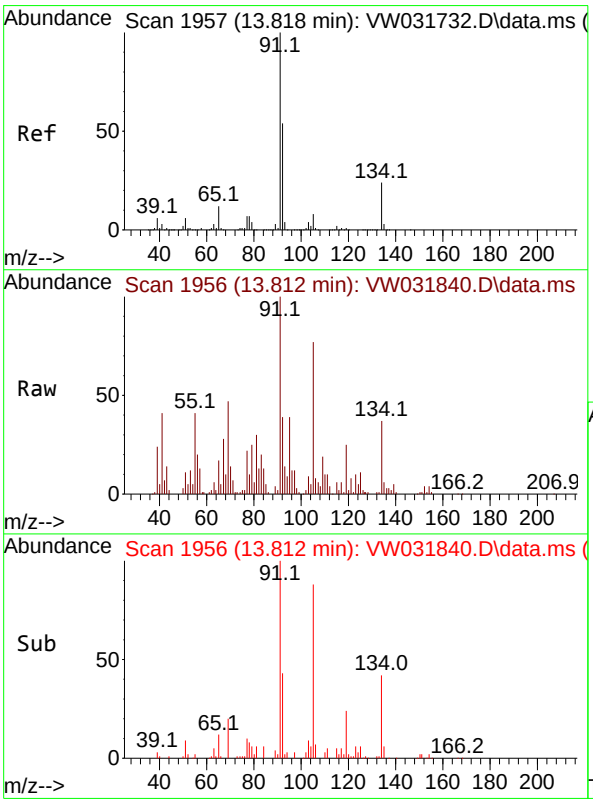
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.5 | 12.9 | 38.7 |
| 91 | 33.5 | 12.7 | 38.0 |




**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

**Manual Integrations**
**APPROVED**

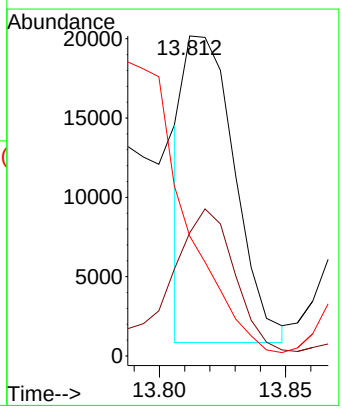
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025




#89
n-Butylbenzene
Concen: 3.332 ug/l m
RT: 13.812 min Scan# 1956
Delta R.T. -0.006 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion: 91 Resp: 26880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 60.1 | 27.2 | 81.5 |
| 134 | 0.0 | 12.2 | 36.6# |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

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\82W063025S.M
Title : SW846 8260

Signal : TIC: VW031840.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.076 | 185 | 195 | 215 | rBV | 580898 | 1669675 | 9.19% | 1.134% |
| 2 | 4.155 | 359 | 372 | 393 | rBV2 | 115481 | 439597 | 2.42% | 0.299% |
| 3 | 4.936 | 482 | 500 | 504 | rBV3 | 536046 | 1901067 | 10.46% | 1.292% |
| 4 | 5.466 | 568 | 587 | 624 | rBV | 1536297 | 5900412 | 32.47% | 4.009% |
| 5 | 5.966 | 656 | 669 | 686 | rVB2 | 127992 | 401645 | 2.21% | 0.273% |
| 6 | 6.313 | 715 | 726 | 738 | rBV2 | 74845 | 235547 | 1.30% | 0.160% |
| 7 | 6.746 | 784 | 797 | 810 | rBV4 | 158298 | 551578 | 3.04% | 0.375% |
| 8 | 6.899 | 810 | 822 | 829 | rVV2 | 305627 | 1004608 | 5.53% | 0.683% |
| 9 | 7.002 | 829 | 839 | 860 | rVV | 4700868 | 14785699 | 81.37% | 10.045% |
| 10 | 7.191 | 861 | 870 | 887 | rVB3 | 76465 | 268503 | 1.48% | 0.182% |
| 11 | 7.716 | 948 | 956 | 973 | rVB2 | 155669 | 453450 | 2.50% | 0.308% |
| 12 | 7.972 | 973 | 998 | 1005 | rBV3 | 3018902 | 9581725 | 52.73% | 6.510% |
| 13 | 8.045 | 1005 | 1010 | 1022 | rVB | 1048698 | 2688628 | 14.80% | 1.827% |
| 14 | 8.167 | 1022 | 1030 | 1036 | rBV | 1140530 | 2649625 | 14.58% | 1.800% |
| 15 | 8.234 | 1036 | 1041 | 1050 | rVB | 741383 | 1840052 | 10.13% | 1.250% |
| 16 | 8.319 | 1050 | 1055 | 1064 | rVB | 151246 | 354815 | 1.95% | 0.241% |
| 17 | 8.447 | 1064 | 1076 | 1082 | rBV2 | 3086112 | 7776150 | 42.79% | 5.283% |
| 18 | 8.514 | 1082 | 1087 | 1093 | rVV2 | 2647606 | 6082819 | 33.48% | 4.132% |
| 19 | 8.587 | 1093 | 1099 | 1110 | rVB | 3172409 | 7356657 | 40.49% | 4.998% |
| 20 | 8.703 | 1110 | 1118 | 1129 | rVB | 307486 | 662505 | 3.65% | 0.450% |
| 21 | 8.849 | 1131 | 1142 | 1147 | rBV2 | 850406 | 1960372 | 10.79% | 1.332% |
| 22 | 9.075 | 1173 | 1179 | 1183 | rBV | 93389 | 194263 | 1.07% | 0.132% |
| 23 | 9.124 | 1183 | 1187 | 1205 | rVB2 | 163724 | 388768 | 2.14% | 0.264% |
| 24 | 9.343 | 1207 | 1223 | 1239 | rBV | 6602085 | 18171098 | 100.00% | 12.345% |
| 25 | 9.520 | 1239 | 1252 | 1259 | rBV | 1225256 | 2401960 | 13.22% | 1.632% |
| 26 | 9.612 | 1259 | 1267 | 1275 | rVB | 1019812 | 2082366 | 11.46% | 1.415% |
| 27 | 9.758 | 1281 | 1291 | 1300 | rVB2 | 1605898 | 3472582 | 19.11% | 2.359% |
| 28 | 9.855 | 1300 | 1307 | 1311 | rBV | 684506 | 1338685 | 7.37% | 0.909% |
| 29 | 9.904 | 1311 | 1315 | 1320 | rVB2 | 317877 | 557706 | 3.07% | 0.379% |
| 30 | 9.959 | 1320 | 1324 | 1328 | rBV2 | 166453 | 230731 | 1.27% | 0.157% |
| 31 | 10.087 | 1338 | 1345 | 1358 | rBV3 | 494653 | 1271091 | 7.00% | 0.864% |
| 32 | 10.209 | 1358 | 1365 | 1368 | rBV | 476836 | 890228 | 4.90% | 0.605% |
| 33 | 10.246 | 1368 | 1371 | 1376 | rVB2 | 282626 | 474246 | 2.61% | 0.322% |
| 34 | 10.325 | 1376 | 1384 | 1388 | rBV2 | 2256722 | 4458912 | 24.54% | 3.029% |
| 35 | 10.361 | 1388 | 1390 | 1399 | rVB2 | 653975 | 983332 | 5.41% | 0.668% |
| 36 | 10.447 | 1399 | 1404 | 1407 | rBV | 349416 | 600191 | 3.30% | 0.408% |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

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\82W063025S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 10.502 | 1407 | 1413 | 1422 | rVB6 | 975232 | 2720301 | 14.97% | 1.848% |
| 38 | 10.617 | 1423 | 1432 | 1435 | rBV3 | 157828 | 363531 | 2.00% | 0.247% |
| 39 | 10.666 | 1435 | 1440 | 1447 | rVB | 1182395 | 2070326 | 11.39% | 1.407% |
| 40 | 10.758 | 1447 | 1455 | 1462 | rBV4 | 815630 | 1961150 | 10.79% | 1.332% |
| 41 | 10.849 | 1465 | 1470 | 1475 | rVB3 | 132029 | 254061 | 1.40% | 0.173% |
| 42 | 10.934 | 1475 | 1484 | 1489 | rBV5 | 110401 | 264123 | 1.45% | 0.179% |
| 43 | 11.014 | 1489 | 1497 | 1501 | rBV4 | 164760 | 443910 | 2.44% | 0.302% |
| 44 | 11.105 | 1508 | 1512 | 1515 | rBV3 | 172634 | 284586 | 1.57% | 0.193% |
| 45 | 11.142 | 1515 | 1518 | 1521 | rVV2 | 264993 | 457947 | 2.52% | 0.311% |
| 46 | 11.178 | 1521 | 1524 | 1528 | rVV | 560151 | 804568 | 4.43% | 0.547% |
| 47 | 11.233 | 1528 | 1533 | 1538 | rVB | 897620 | 1573797 | 8.66% | 1.069% |
| 48 | 11.331 | 1545 | 1549 | 1555 | rVB2 | 249027 | 435705 | 2.40% | 0.296% |
| 49 | 11.434 | 1555 | 1566 | 1575 | rVB3 | 232557 | 525801 | 2.89% | 0.357% |
| 50 | 11.550 | 1581 | 1585 | 1593 | rVB4 | 84919 | 181778 | 1.00% | 0.123% |
| 51 | 11.629 | 1593 | 1598 | 1609 | rBV | 655924 | 1302536 | 7.17% | 0.885% |
| 52 | 11.721 | 1609 | 1613 | 1617 | rBV | 218826 | 313815 | 1.73% | 0.213% |
| 53 | 11.837 | 1623 | 1632 | 1635 | rBV2 | 278399 | 717324 | 3.95% | 0.487% |
| 54 | 11.873 | 1635 | 1638 | 1643 | rVB3 | 137984 | 187784 | 1.03% | 0.128% |
| 55 | 12.038 | 1659 | 1665 | 1674 | rBV3 | 85101 | 187742 | 1.03% | 0.128% |
| 56 | 12.135 | 1674 | 1681 | 1689 | rBV3 | 331474 | 908077 | 5.00% | 0.617% |
| 57 | 12.245 | 1693 | 1699 | 1703 | rVB2 | 149476 | 331669 | 1.83% | 0.225% |
| 58 | 12.337 | 1709 | 1714 | 1719 | rVV2 | 408691 | 881820 | 4.85% | 0.599% |
| 59 | 12.379 | 1719 | 1721 | 1725 | rVV | 201978 | 312600 | 1.72% | 0.212% |
| 60 | 12.459 | 1729 | 1734 | 1739 | rVB | 327694 | 548226 | 3.02% | 0.372% |
| 61 | 12.617 | 1754 | 1760 | 1767 | rBV | 420996 | 746335 | 4.11% | 0.507% |
| 62 | 12.696 | 1767 | 1773 | 1778 | rBV2 | 164020 | 291657 | 1.61% | 0.198% |
| 63 | 12.800 | 1781 | 1790 | 1795 | rBV2 | 604248 | 1685528 | 9.28% | 1.145% |
| 64 | 12.861 | 1795 | 1800 | 1803 | rBV4 | 165048 | 308313 | 1.70% | 0.209% |
| 65 | 12.940 | 1808 | 1813 | 1818 | rVB4 | 445942 | 885976 | 4.88% | 0.602% |
| 66 | 13.099 | 1826 | 1839 | 1845 | rBV2 | 350989 | 933757 | 5.14% | 0.634% |
| 67 | 13.166 | 1845 | 1850 | 1858 | rVB6 | 229126 | 534024 | 2.94% | 0.363% |
| 68 | 13.251 | 1858 | 1864 | 1868 | rBV | 521281 | 895335 | 4.93% | 0.608% |
| 69 | 13.440 | 1889 | 1895 | 1899 | rVV5 | 163585 | 357687 | 1.97% | 0.243% |
| 70 | 13.483 | 1899 | 1902 | 1909 | rVV6 | 106279 | 219720 | 1.21% | 0.149% |
| 71 | 13.556 | 1909 | 1914 | 1922 | rVB2 | 460630 | 1077040 | 5.93% | 0.732% |
| 72 | 13.708 | 1931 | 1939 | 1942 | rBV4 | 126447 | 344329 | 1.89% | 0.234% |
| 73 | 13.751 | 1942 | 1946 | 1950 | rVV2 | 301076 | 489506 | 2.69% | 0.333% |
| 74 | 13.794 | 1950 | 1953 | 1961 | rVB4 | 165997 | 351012 | 1.93% | 0.238% |
| 75 | 13.873 | 1961 | 1966 | 1972 | rBV2 | 465948 | 846811 | 4.66% | 0.575% |
| 76 | 14.092 | 1997 | 2002 | 2006 | rBV | 329445 | 488335 | 2.69% | 0.332% |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

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\82W063025S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 14.202 | 2014 | 2020 | 2025 | rBV2 | 568056 | 916975 | 5.05% | 0.623% |
| 78 | 14.336 | 2036 | 2042 | 2046 | rBV4 | 163768 | 307510 | 1.69% | 0.209% |
| 79 | 14.379 | 2046 | 2049 | 2052 | rVV2 | 207223 | 313893 | 1.73% | 0.213% |
| 80 | 14.416 | 2052 | 2055 | 2058 | rVV3 | 164136 | 241784 | 1.33% | 0.164% |
| 81 | 14.452 | 2058 | 2061 | 2064 | rVB | 253190 | 307658 | 1.69% | 0.209% |
| 82 | 14.495 | 2064 | 2068 | 2071 | rBV | 238074 | 297795 | 1.64% | 0.202% |
| 83 | 14.537 | 2071 | 2075 | 2082 | rVB4 | 192658 | 407152 | 2.24% | 0.277% |
| 84 | 14.635 | 2082 | 2091 | 2095 | rVB2 | 298292 | 555484 | 3.06% | 0.377% |
| 85 | 14.690 | 2095 | 2100 | 2103 | rBV3 | 225637 | 465386 | 2.56% | 0.316% |
| 86 | 14.726 | 2103 | 2106 | 2110 | rVB | 254362 | 360014 | 1.98% | 0.245% |
| 87 | 14.787 | 2110 | 2116 | 2132 | rBV4 | 867871 | 2726443 | 15.00% | 1.852% |
| 88 | 15.019 | 2150 | 2154 | 2155 | rVV3 | 143461 | 199003 | 1.10% | 0.135% |
| 89 | 15.056 | 2155 | 2160 | 2164 | rVV3 | 472245 | 1035564 | 5.70% | 0.704% |
| 90 | 15.092 | 2164 | 2166 | 2172 | rVV3 | 285509 | 552850 | 3.04% | 0.376% |
| 91 | 15.171 | 2172 | 2179 | 2188 | rVB4 | 570441 | 1327766 | 7.31% | 0.902% |
| 92 | 15.318 | 2197 | 2203 | 2212 | rVB5 | 402881 | 861189 | 4.74% | 0.585% |
| 93 | 15.458 | 2221 | 2226 | 2230 | rVV | 208802 | 352762 | 1.94% | 0.240% |
| 94 | 15.513 | 2231 | 2235 | 2239 | rVV2 | 119723 | 195001 | 1.07% | 0.132% |
| 95 | 15.647 | 2249 | 2257 | 2263 | rBV4 | 163787 | 409092 | 2.25% | 0.278% |
| 96 | 15.806 | 2278 | 2283 | 2288 | rVB4 | 106873 | 246983 | 1.36% | 0.168% |
| 97 | 16.007 | 2310 | 2316 | 2322 | rBV4 | 95278 | 254136 | 1.40% | 0.173% |
| 98 | 16.159 | 2333 | 2341 | 2346 | rBV4 | 115348 | 290711 | 1.60% | 0.198% |

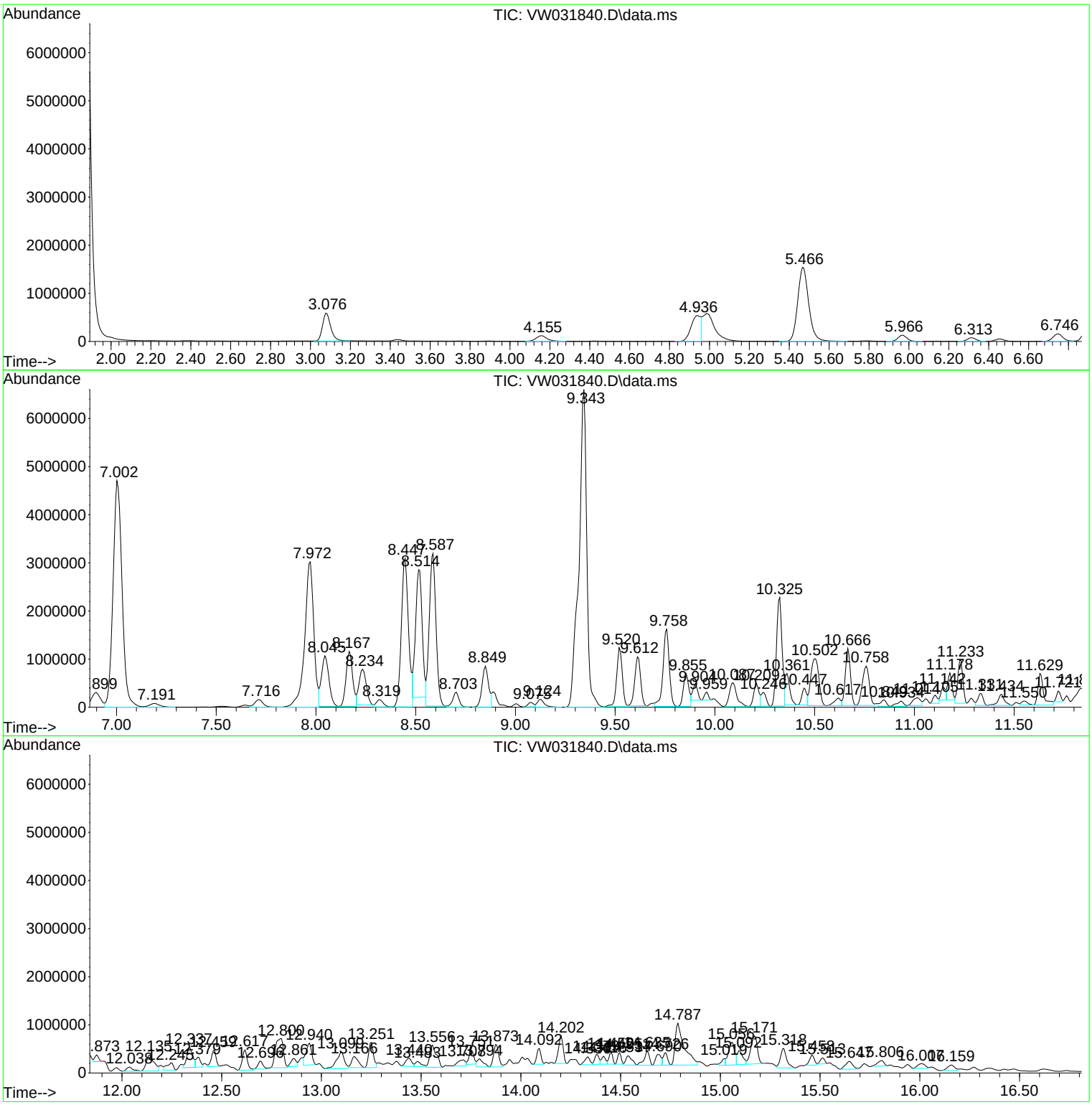
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Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

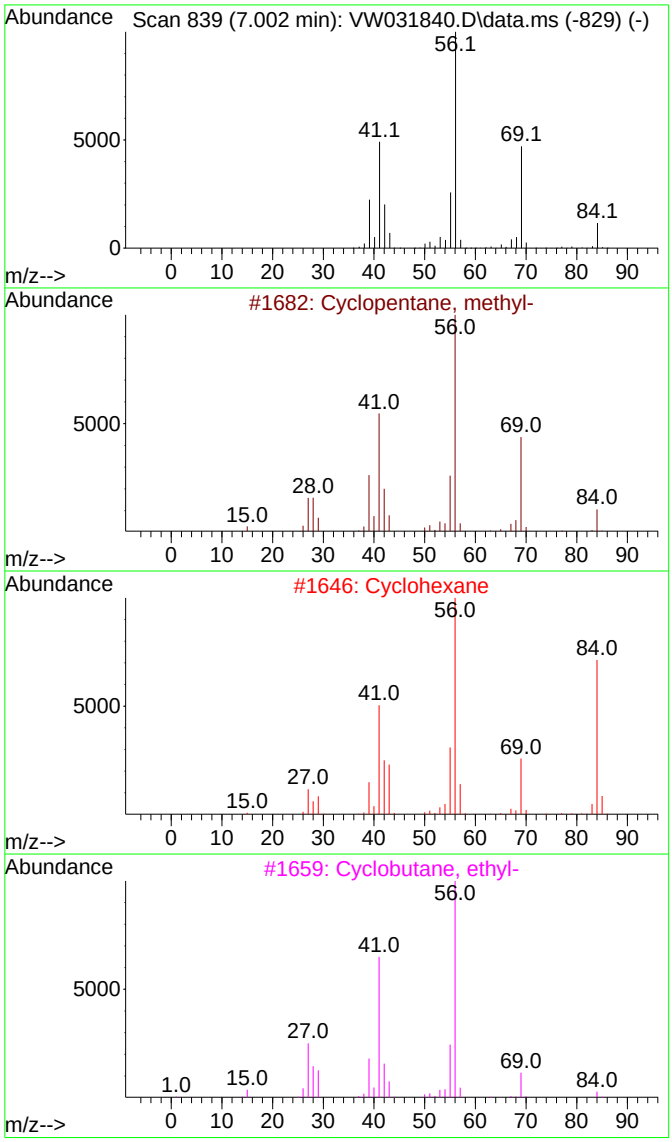
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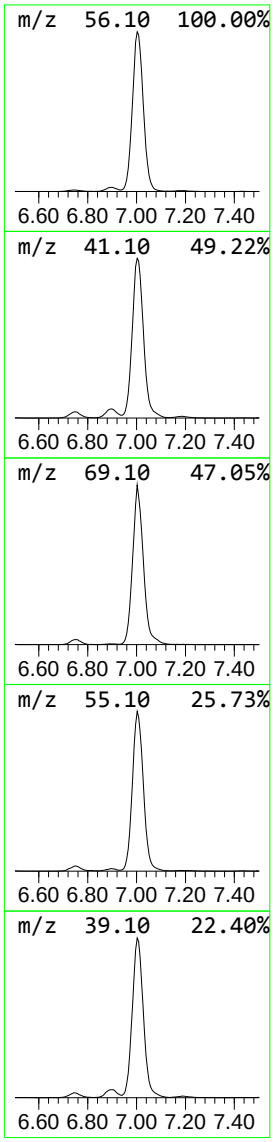
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Peak Number 1 Cyclopentane, methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.002 | 77.16 ug/l | 14785700 | Pentafluorobenzene | 7.959 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 94 |
| 2 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 78 |
| 3 | Cyclobutane, ethyl- | 84 | C6H12 | 004806-61-5 | 72 |
| 4 | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4 | 004076-36-2 | 72 |
| 5 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

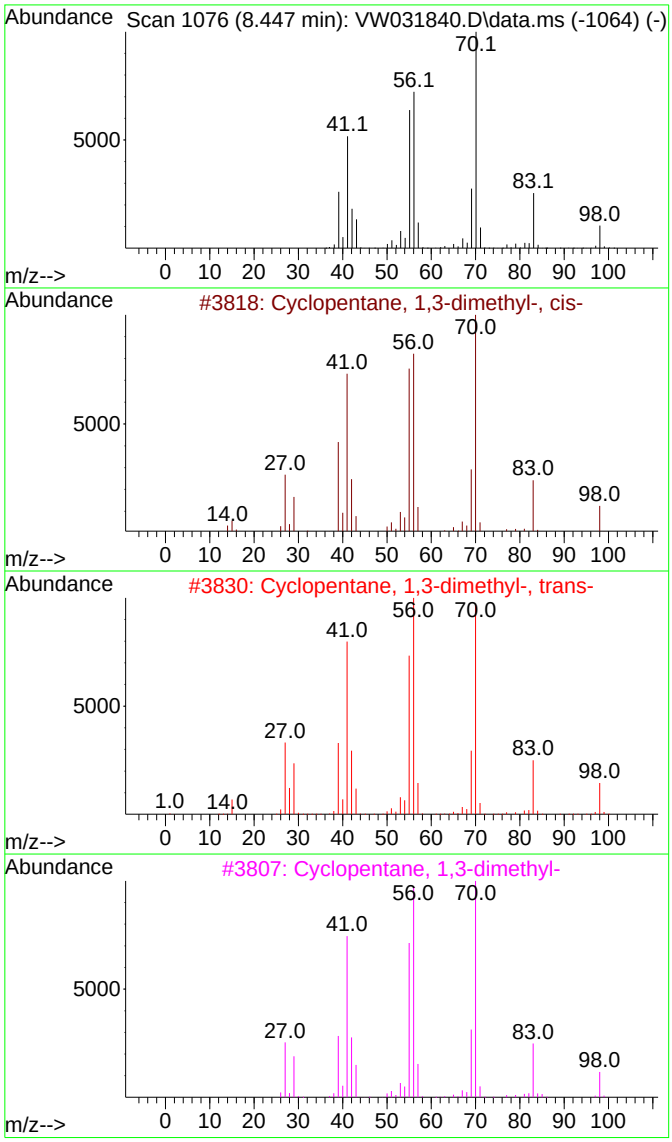
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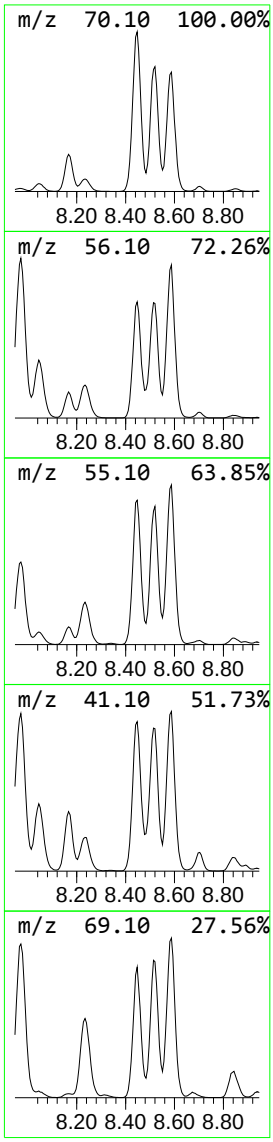
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TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Cyclopentane, 1,3-dimethyl-... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.447 | 198.33 ug/l | 7776150 | 1,4-Difluorobenzene | 8.849 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 91 |
| 2 | Cyclopentane, 1,3-dimethyl-, trans- | 98 | C7H14 | 001759-58-6 | 91 |
| 3 | Cyclopentane, 1,3-dimethyl- | 98 | C7H14 | 002453-00-1 | 91 |
| 4 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 64 |
| 5 | 1-Heptene, 3-methyl- | 112 | C8H16 | 004810-09-7 | 50 |



```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On    : 14 Jul 2025  11:16
Operator  : SY/MD
Sample    : Q2503-03
Misc      : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial  : 6   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title  : SW846 8260

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

5

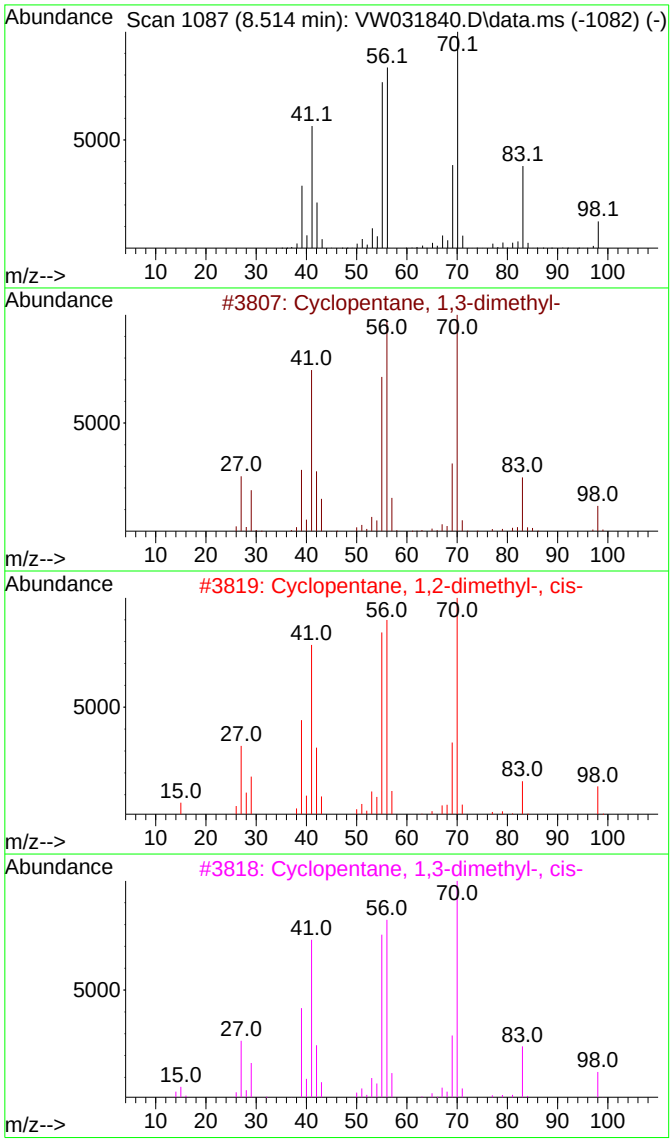
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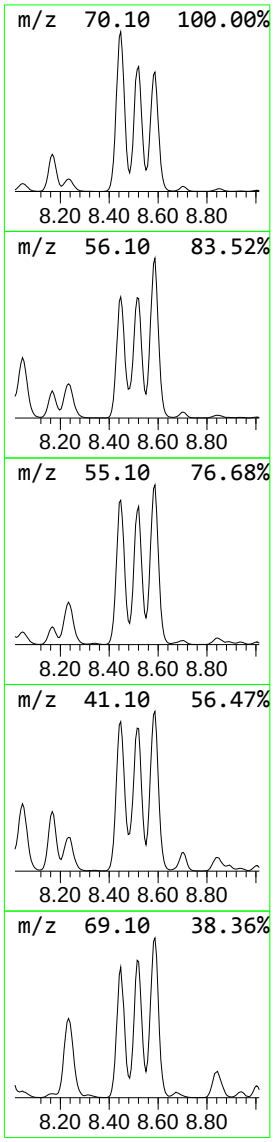
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Peak Number 3 Cyclopentane, 1,3-dimethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.514 | 155.15 ug/l | 6082820 | 1,4-Difluorobenzene | 8.849 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,3-dimethyl- | 98 | C7H14 | 002453-00-1 | 91 |
| 2 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 91 |
| 3 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 90 |
| 4 | Cyclopentane, 1,3-dimethyl-, trans- | 98 | C7H14 | 001759-58-6 | 90 |
| 5 | Cyclopentane, 1,2-dimethyl- | 98 | C7H14 | 002452-99-5 | 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

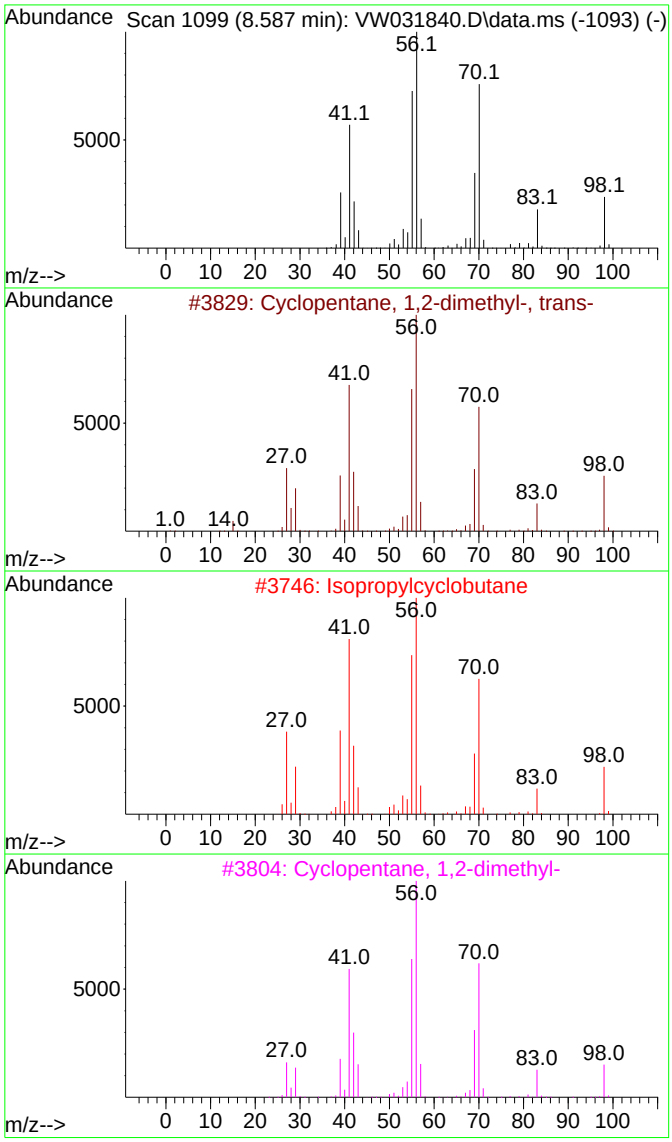
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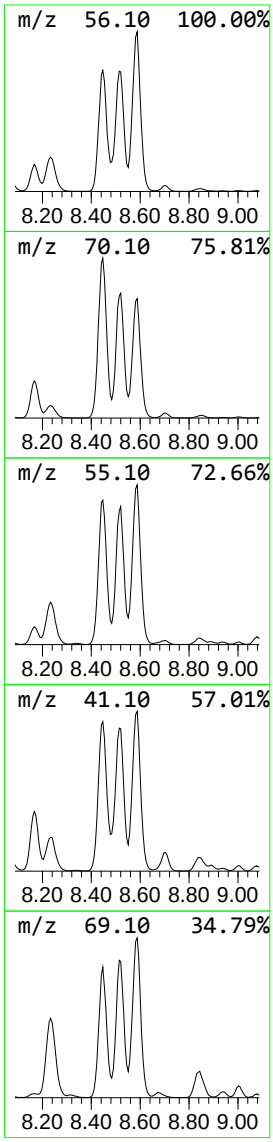
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TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Cyclopentane, 1,2-dimethyl-... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.587 | 187.63 ug/l | 7356660 | 1,4-Difluorobenzene | 8.849 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2-dimethyl-, trans- | 98 | C7H14 | 000822-50-4 | 94 |
| 2 | Isopropylcyclobutane | 98 | C7H14 | 000872-56-0 | 94 |
| 3 | Cyclopentane, 1,2-dimethyl- | 98 | C7H14 | 002452-99-5 | 91 |
| 4 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 59 |
| 5 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 59 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

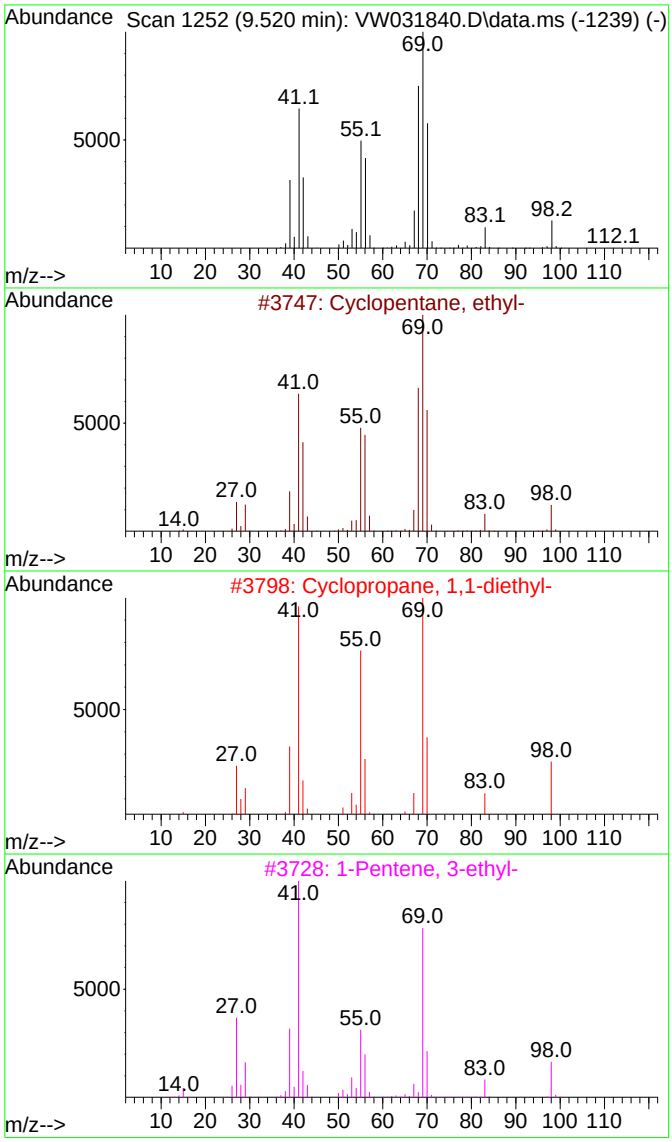
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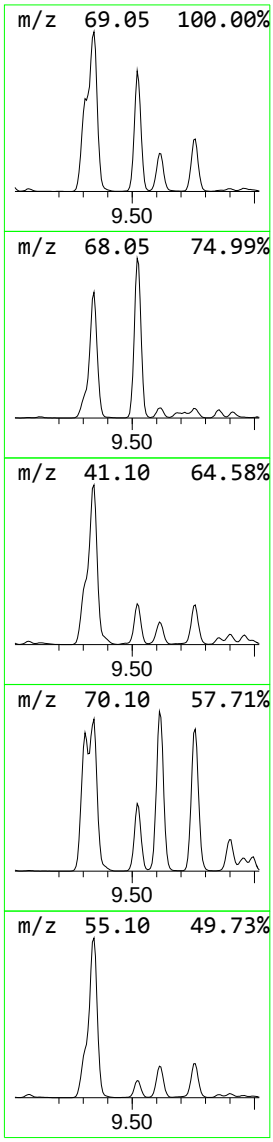
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Peak Number 5 Cyclopentane, ethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.520 | 61.26 ug/l | 2401960 | 1,4-Difluorobenzene | 8.849 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, ethyl- | 98 | C7H14 | 001640-89-7 | 95 |
| 2 | Cyclopropane, 1,1-diethyl- | 98 | C7H14 | 001003-19-6 | 43 |
| 3 | 1-Pentene, 3-ethyl- | 98 | C7H14 | 004038-04-4 | 43 |
| 4 | 3-Methyl-2-hexene | 98 | C7H14 | 017618-77-8 | 43 |
| 5 | (Z)-4-Methyl-2-hexene | 98 | C7H14 | 003683-19-0 | 35 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
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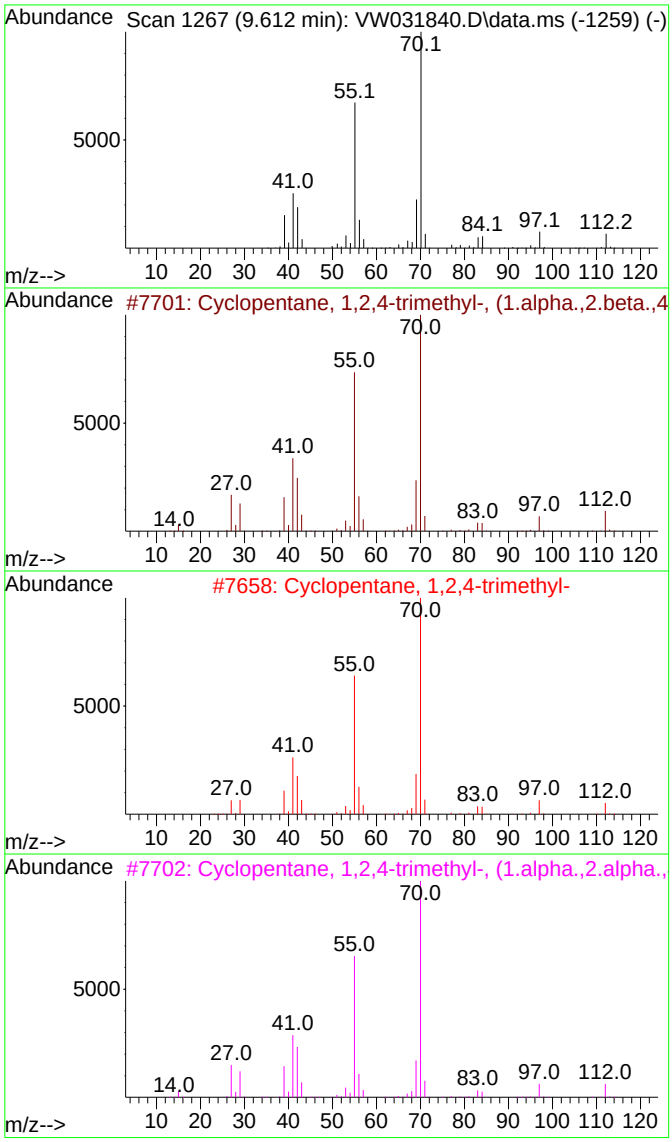
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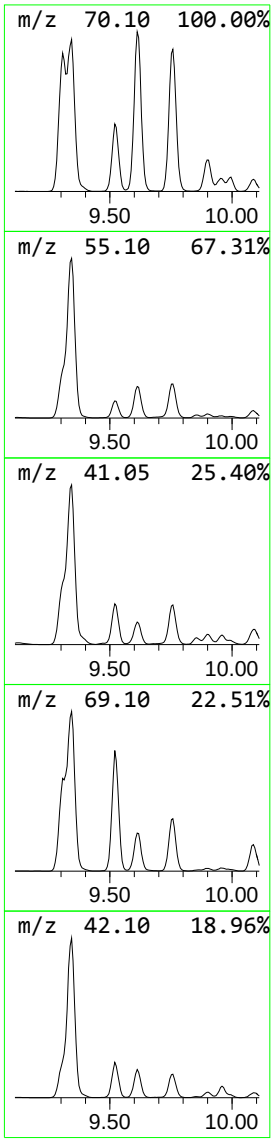
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TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Cyclopentane, 1,2,4-trimeth... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.612 | 53.11 ug/l | 2082370 | 1,4-Difluorobenzene | 8.849 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2,4-trimethyl-, ... | 112 | C8H16 | 016883-48-0 | 94 |
| 2 | Cyclopentane, 1,2,4-trimethyl- | 112 | C8H16 | 002815-58-9 | 94 |
| 3 | Cyclopentane, 1,2,4-trimethyl-, ... | 112 | C8H16 | 004850-28-6 | 83 |
| 4 | 2-Heptene, 3-methyl- | 112 | C8H16 | 003404-75-9 | 80 |
| 5 | Hexane, 2-methyl-4-methylene- | 112 | C8H16 | 003404-80-6 | 78 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

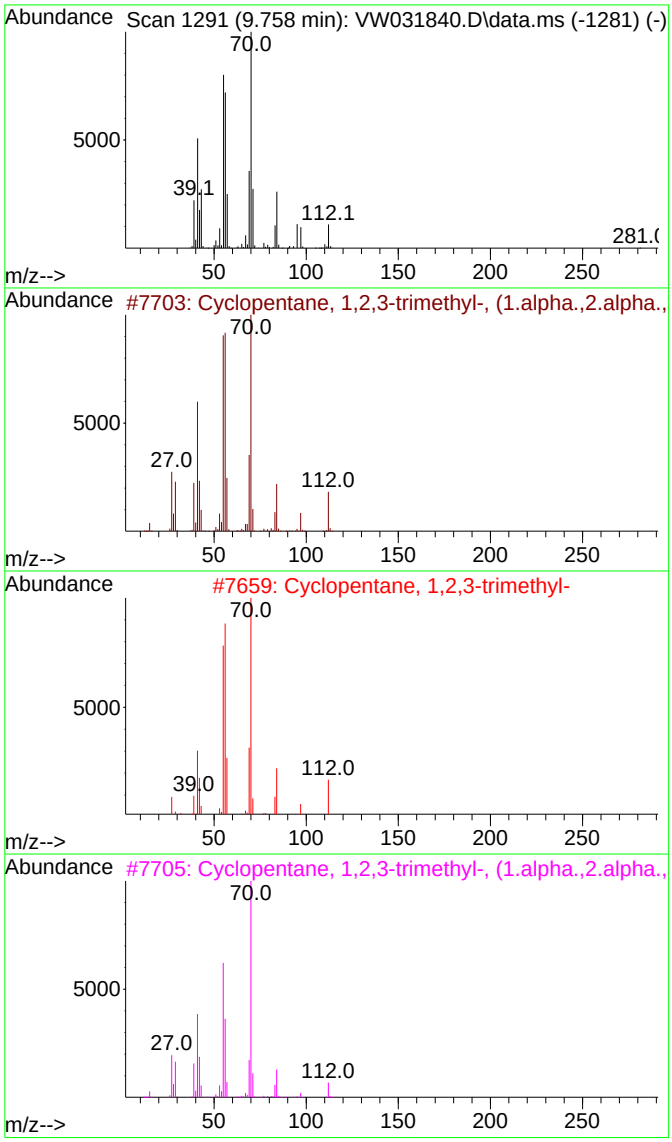
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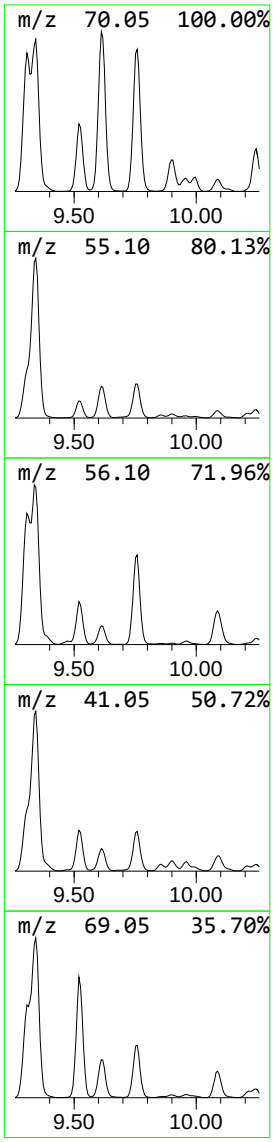
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TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Cyclopentane, 1,2,3-trimeth... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.758 | 88.57 ug/l | 3472580 | 1,4-Difluorobenzene | 8.849 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16 | 015890-40-1 | 87 |
| 2 | Cyclopentane, 1,2,3-trimethyl- | 112 | C8H16 | 002815-57-8 | 87 |
| 3 | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16 | 002613-69-6 | 64 |
| 4 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 53 |
| 5 | Cyclopentane, 1,2,4-trimethyl- | 112 | C8H16 | 002815-58-9 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

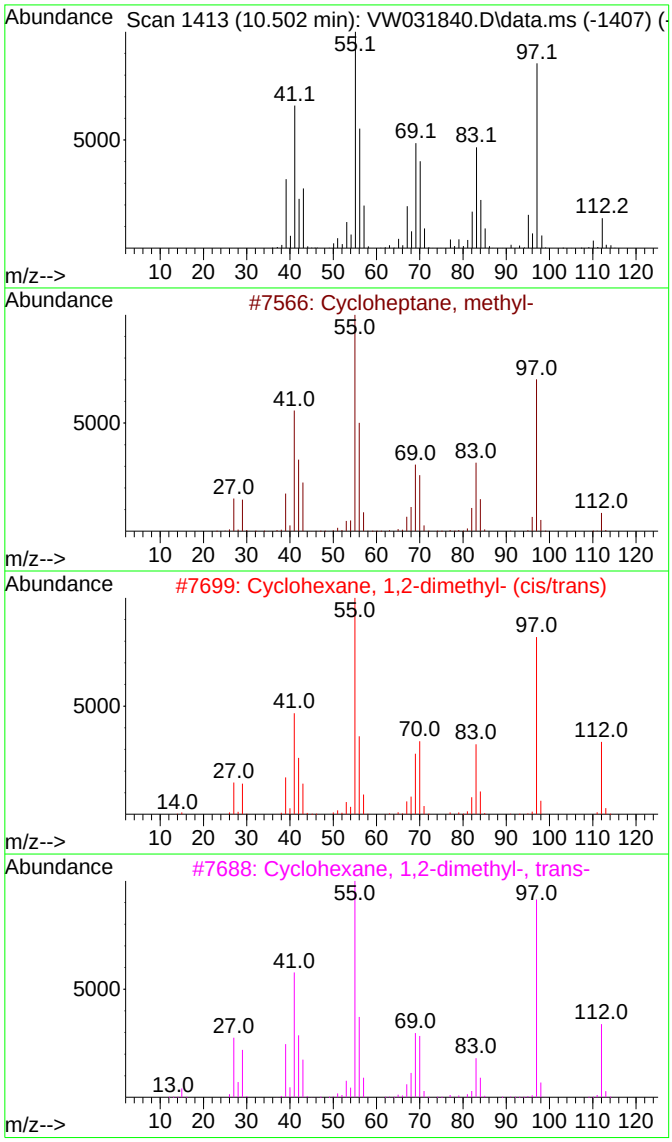
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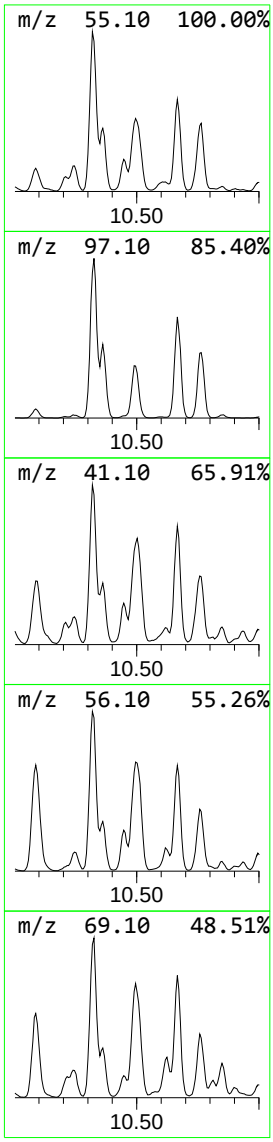
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Peak Number 8 Cyclohexane, 1,2-dimethyl- ... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.502 | 104.42 ug/l | 2720300 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cycloheptane, methyl- | 112 | C8H16 | 004126-78-7 | 87 |
| 2 | Cyclohexane, 1,2-dimethyl- (cis/... | 112 | C8H16 | 000583-57-3 | 68 |
| 3 | Cyclohexane, 1,2-dimethyl-, trans- | 112 | C8H16 | 006876-23-9 | 68 |
| 4 | 1H-Pyrazol-4-amine, 3-methyl- | 97 | C4H7N3 | 1010338-28-2 | 49 |
| 5 | 3-Octene, (Z)- | 112 | C8H16 | 014850-22-7 | 45 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

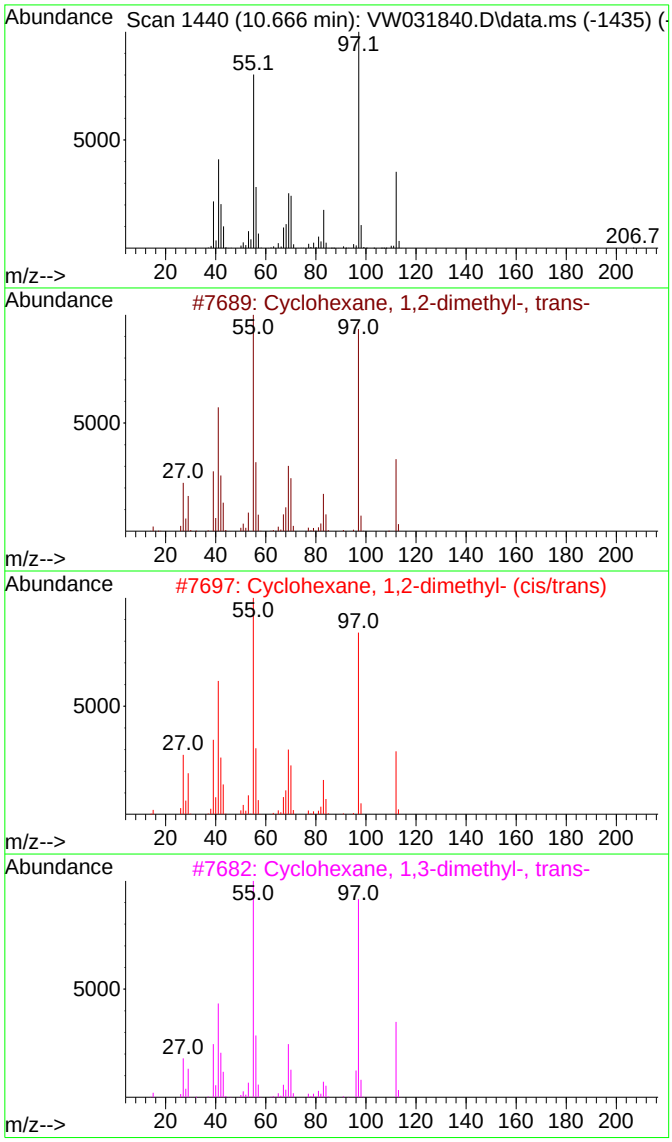
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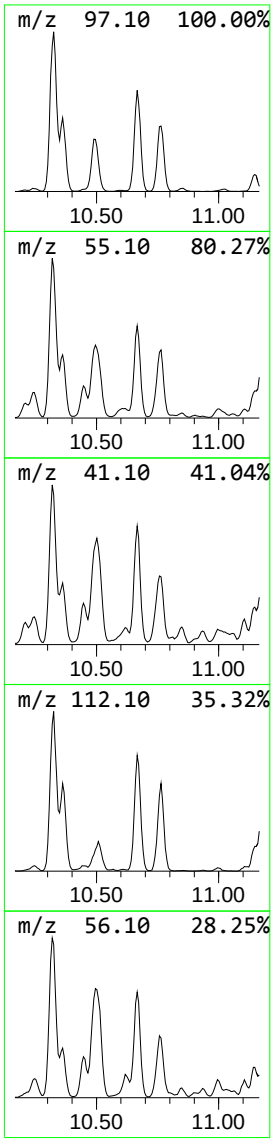
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.666 | 79.47 ug/l | 2070330 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,2-dimethyl-, trans- | 112 | C8H16 | 006876-23-9 | 94 |
| 2 | Cyclohexane, 1,2-dimethyl- (cis/... | 112 | C8H16 | 000583-57-3 | 91 |
| 3 | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16 | 002207-03-6 | 90 |
| 4 | Cyclohexane, 1,4-dimethyl-, cis- | 112 | C8H16 | 000624-29-3 | 83 |
| 5 | Cyclohexane, 1,3-dimethyl- | 112 | C8H16 | 000591-21-9 | 81 |



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Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
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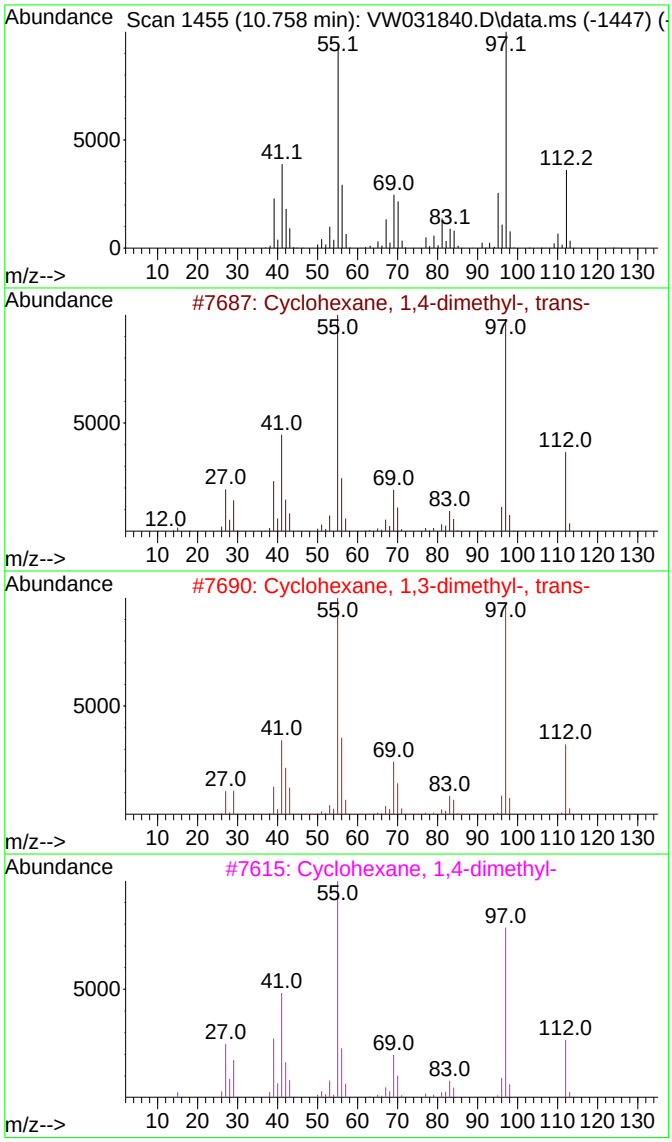
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

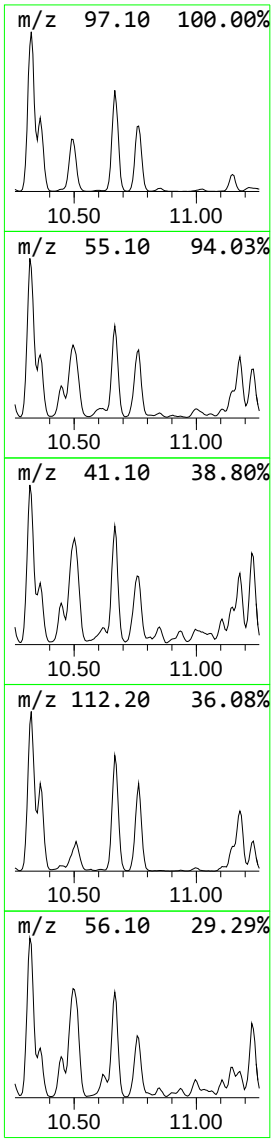
**********

Peak Number 10 Cyclohexane, 1,4-dimethyl-,... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.758 | 75.28 ug/l | 1961150 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,4-dimethyl-, trans- | 112 | C8H16 | 002207-04-7 | 94 |
| 2 | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16 | 002207-03-6 | 93 |
| 3 | Cyclohexane, 1,4-dimethyl- | 112 | C8H16 | 000589-90-2 | 87 |
| 4 | Cyclohexane, 1,4-dimethyl-, cis- | 112 | C8H16 | 000624-29-3 | 81 |
| 5 | Cyclohexane, 1,2-dimethyl-, trans- | 112 | C8H16 | 006876-23-9 | 81 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

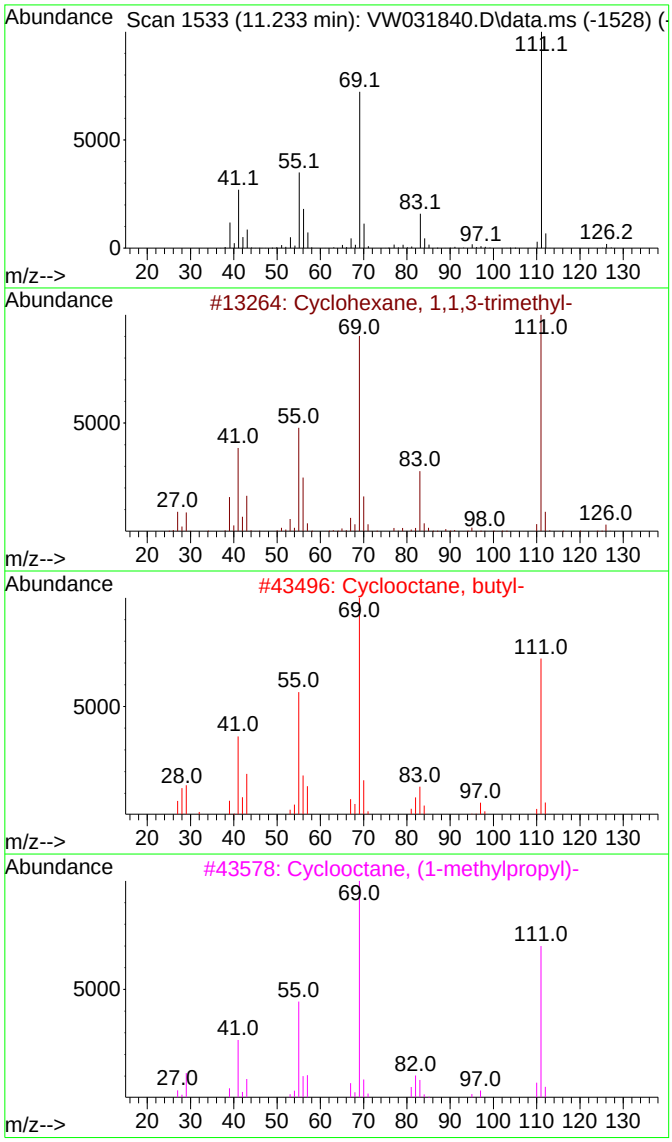
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

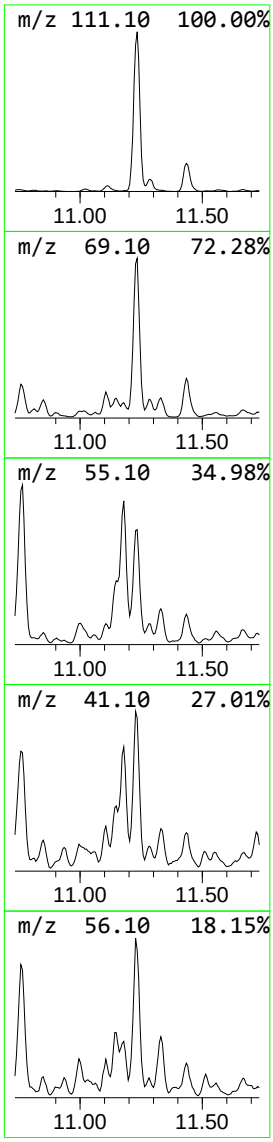
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.233 | 60.41 ug/l | 1573800 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,1,3-trimethyl- | 126 | C9H18 | 003073-66-3 | 92 |
| 2 | Cyclooctane, butyl- | 168 | C12H24 | 016538-93-5 | 74 |
| 3 | Cyclooctane, (1-methylpropyl)- | 168 | C12H24 | 016538-89-9 | 72 |
| 4 | Cyclohexane, 1,3,5-trimethyl- | 126 | C9H18 | 001839-63-0 | 64 |
| 5 | Cyclohexane, 1,2,4-trimethyl-, (... | 126 | C9H18 | 007667-60-9 | 56 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

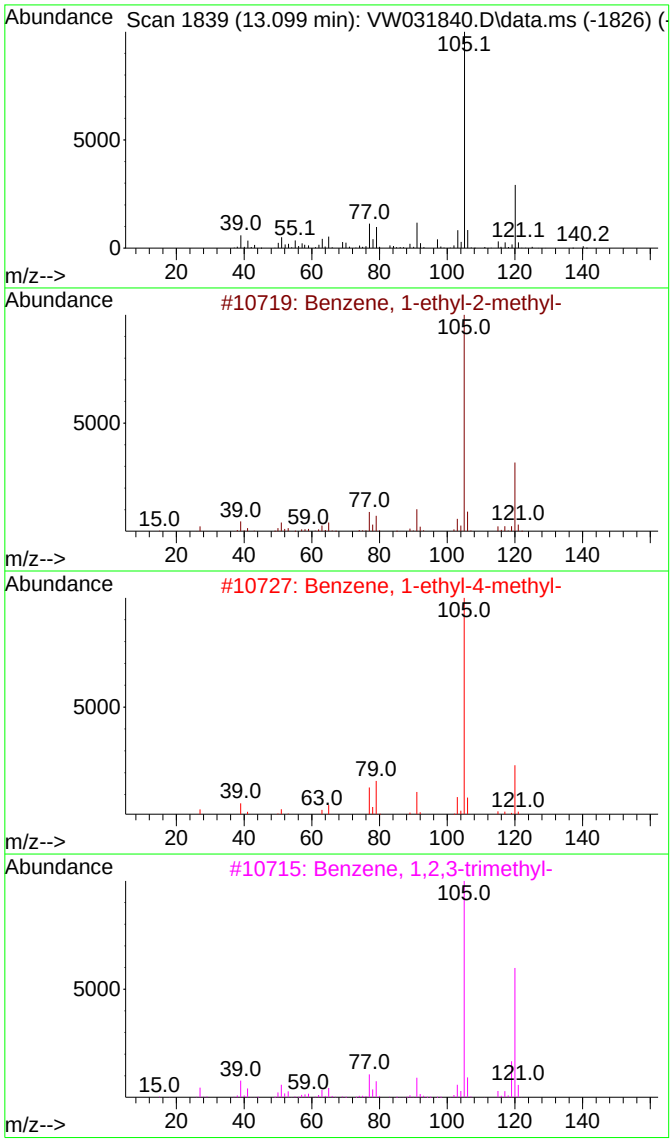
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Quant Title : SW846 8260

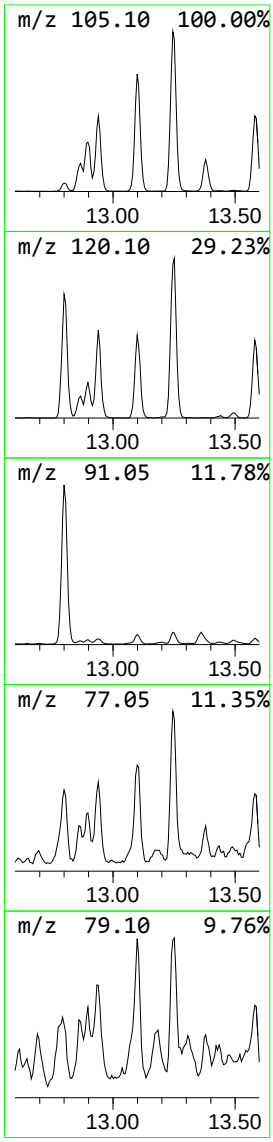
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Benzene, 1-ethyl-2-methyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.099 | 43.35 ug/l | 933757 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 2 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 94 |
| 3 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 90 |
| 4 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 90 |
| 5 | Mesitylene | 120 | C9H12 | 000108-67-8 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

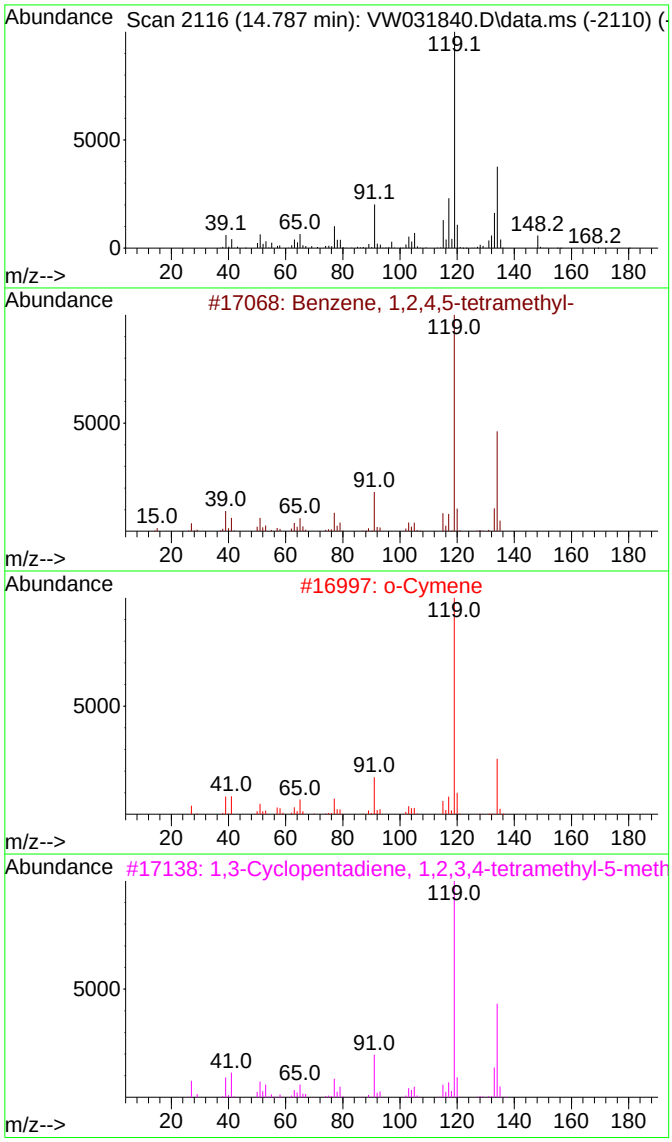
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

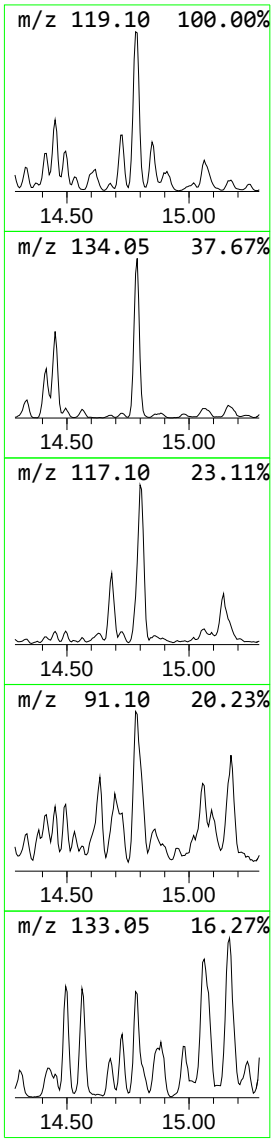
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.787 | 126.57 ug/l | 2726440 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 93 |
| 2 | o-Cymene | 134 | C10H14 | 000527-84-4 | 93 |
| 3 | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14 | 076089-59-3 | 81 |
| 4 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 76 |
| 5 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 76 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

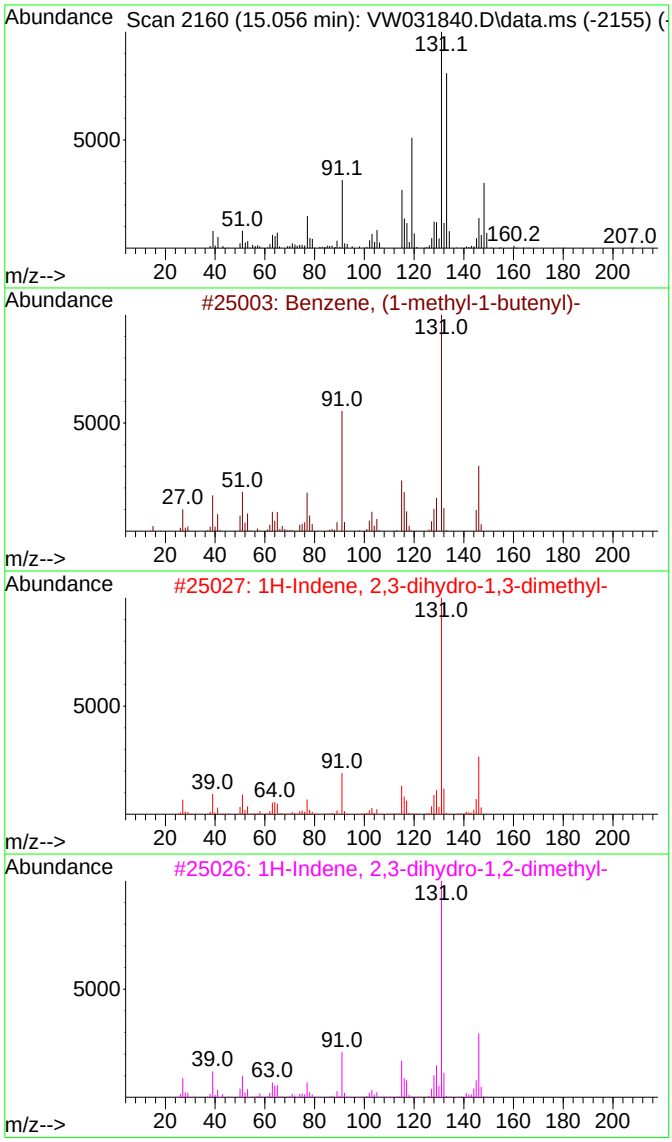
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Quant Title : SW846 8260

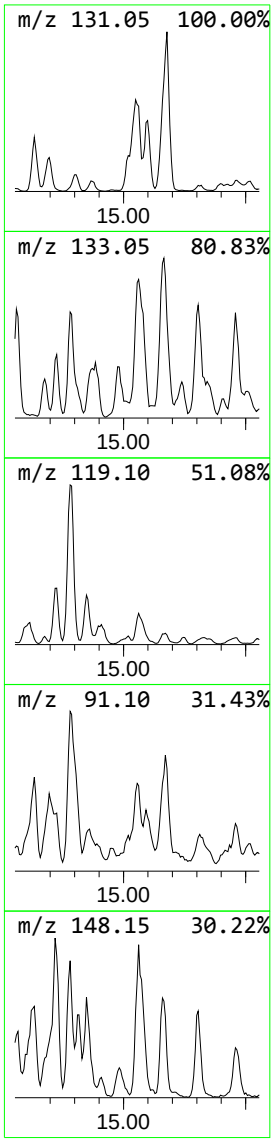
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Benzene, (1-methyl-1-butenyl)- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.056 | 48.07 ug/l | 1035560 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 90 |
| 2 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 86 |
| 3 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 64 |
| 4 | Benzene, 2,4-diethyl-1-methyl- | 148 | C11H16 | 001758-85-6 | 55 |
| 5 | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14 | 017059-48-2 | 52 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

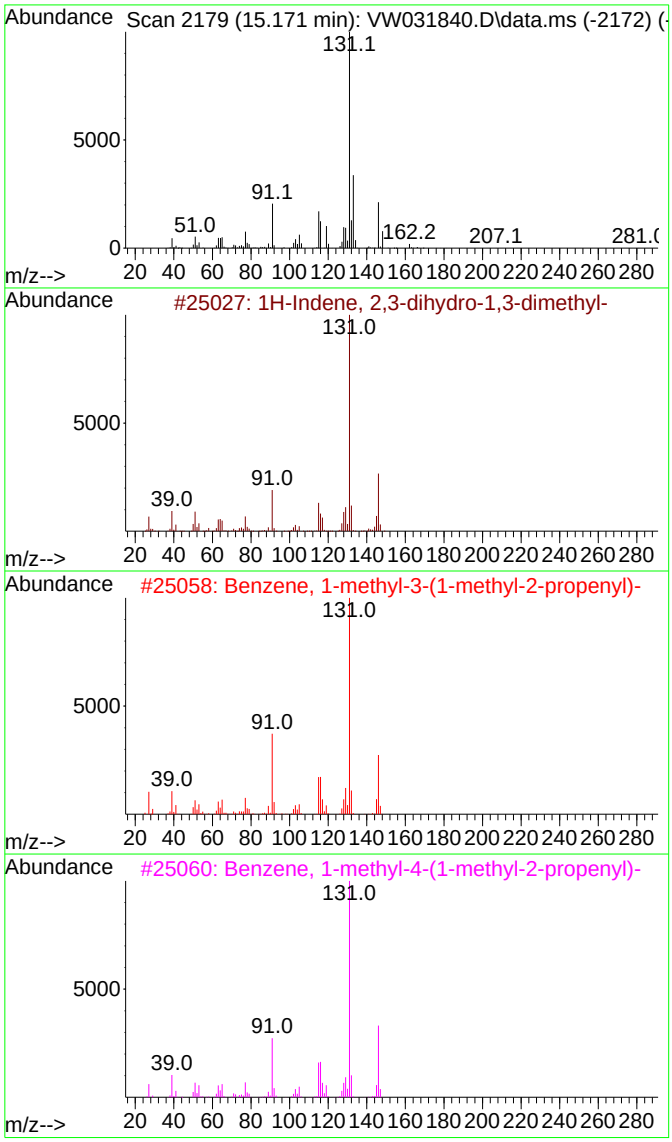
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

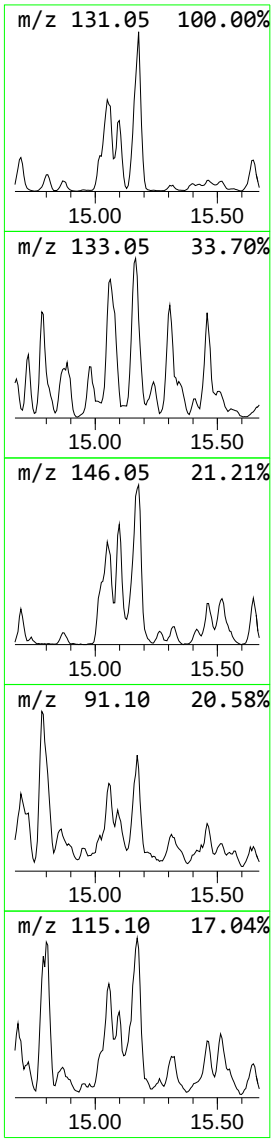
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.172 | 61.64 ug/l | 1327770 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 76 |
| 2 | Benzene, 1-methyl-3-(1-methyl-2-... | 146 | C11H14 | 052161-57-6 | 74 |
| 3 | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14 | 097664-18-1 | 74 |
| 4 | Benzene, 1-methyl-2-(1-methyl-2-... | 146 | C11H14 | 097664-19-2 | 74 |
| 5 | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14 | 017059-48-2 | 68 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.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 |
| Cyclopentane, m... | 7.002 | 77.2 | ug/l | 14785700 | 1 | 7.959 | 9581730 | 50.0 |
| Cyclopentane, 1... | 8.447 | 198.3 | ug/l | 7776150 | 2 | 8.849 | 1960370 | 50.0 |
| Cyclopentane, 1... | 8.514 | 155.2 | ug/l | 6082820 | 2 | 8.849 | 1960370 | 50.0 |
| Cyclopentane, 1... | 8.587 | 187.6 | ug/l | 7356660 | 2 | 8.849 | 1960370 | 50.0 |
| Cyclopentane, e... | 9.520 | 61.3 | ug/l | 2401960 | 2 | 8.849 | 1960370 | 50.0 |
| Cyclopentane, 1... | 9.612 | 53.1 | ug/l | 2082370 | 2 | 8.849 | 1960370 | 50.0 |
| Cyclopentane, 1... | 9.758 | 88.6 | ug/l | 3472580 | 2 | 8.849 | 1960370 | 50.0 |
| Cyclohexane, 1,... | 10.502 | 104.4 | ug/l | 2720300 | 3 | 11.629 | 1302540 | 50.0 |
| Cyclohexane, 1,... | 10.666 | 79.5 | ug/l | 2070330 | 3 | 11.629 | 1302540 | 50.0 |
| Cyclohexane, 1,... | 10.758 | 75.3 | ug/l | 1961150 | 3 | 11.629 | 1302540 | 50.0 |
| Cyclohexane, 1,... | 11.233 | 60.4 | ug/l | 1573800 | 3 | 11.629 | 1302540 | 50.0 |
| Benzene, 1-ethy... | 13.099 | 43.4 | ug/l | 933757 | 4 | 13.556 | 1077040 | 50.0 |
| Benzene, 1,2,4,... | 14.787 | 126.6 | ug/l | 2726440 | 4 | 13.556 | 1077040 | 50.0 |
| Benzene, (1-met... | 15.056 | 48.1 | ug/l | 1035560 | 4 | 13.556 | 1077040 | 50.0 |
| 1H-Indene, 2,3-... | 15.172 | 61.6 | ug/l | 1327770 | 4 | 13.556 | 1077040 | 50.0 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX047009.D
Acq On : 15 Jul 2025 17:49
Operator : JC/MD
Sample : Q2503-03ME
Misc : 7.46g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP2ME

Quant Time: Jul 16 02:32:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

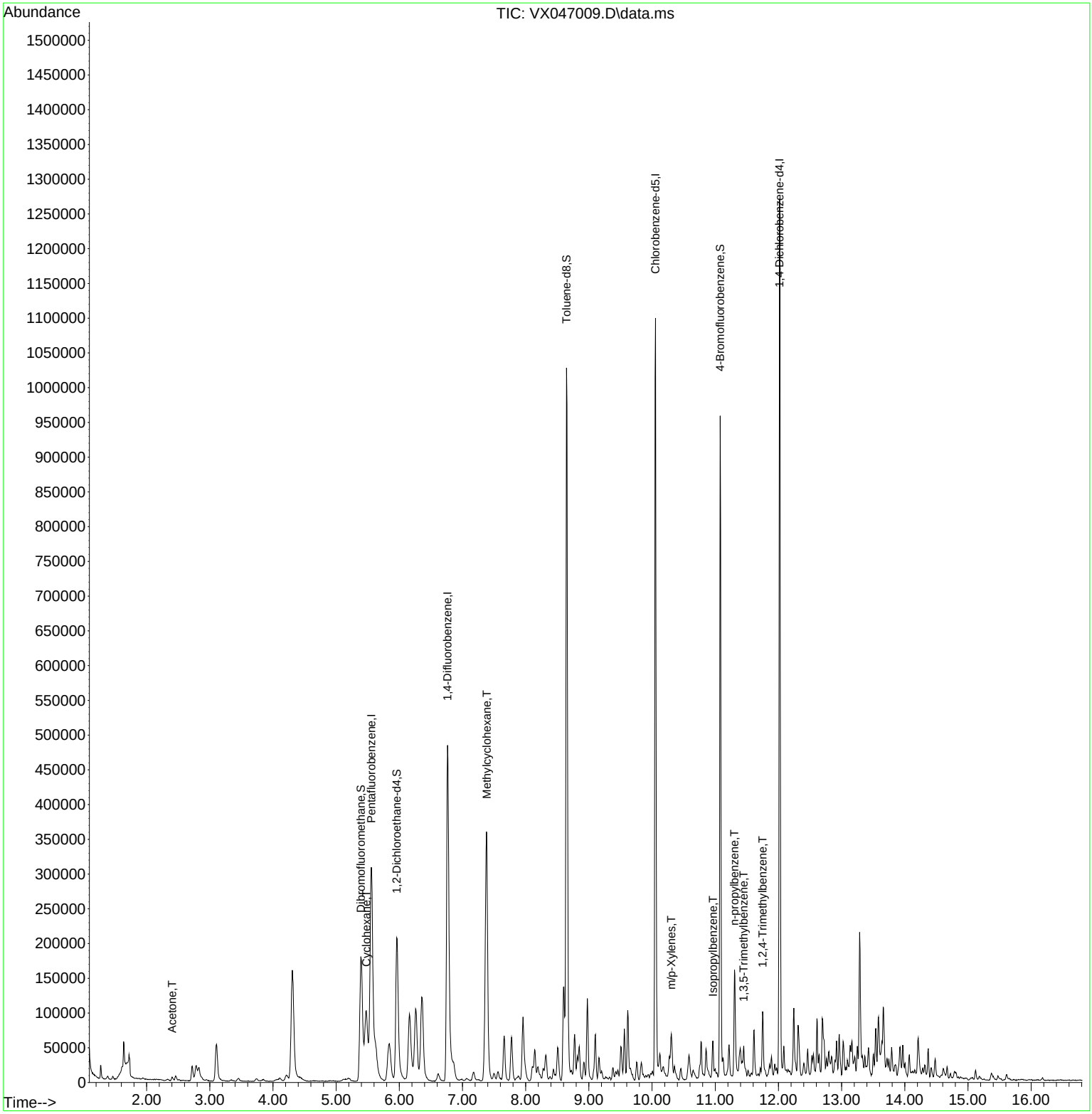
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 321586 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 538656 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 489470 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 250920 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 224013 | 52.728 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 105.460% | | | |
| 35) Dibromofluoromethane | 5.391 | 113 | 177800 | 48.627 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 97.260% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 616777 | 47.810 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 95.620% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 253024 | 51.606 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 103.220% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 2.404 | 43 | 5790 | 4.387 | ug/l | 90 |
| 31) Cyclohexane | 5.477 | 56 | 71312 | 11.743 | ug/l | 96 |
| 39) Methylcyclohexane | 7.385 | 83 | 163273 | 26.458 | ug/l | 97 |
| 68) m/p-Xylenes | 10.305 | 106 | 12099 | 1.772 | ug/l | 98 |
| 73) Isopropylbenzene | 10.963 | 105 | 28554 | 1.619 | ug/l | 98 |
| 78) n-propylbenzene | 11.305 | 91 | 64931 | 3.053 | ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 17509 | 1.222 | ug/l | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 39353 | 2.716 | ug/l | 97 |

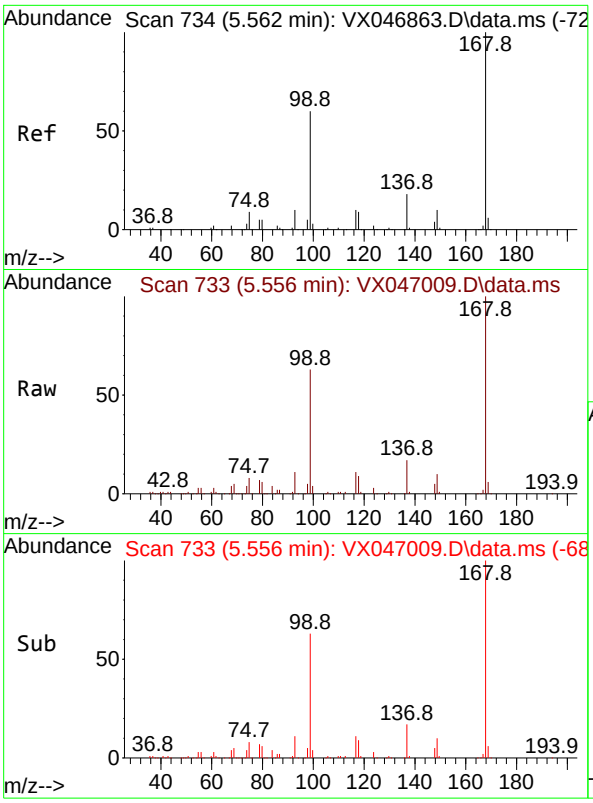
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX047009.D
Acq On : 15 Jul 2025 17:49
Operator : JC/MD
Sample : Q2503-03ME
Misc : 7.46g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP2ME

Quant Time: Jul 16 02:32:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration



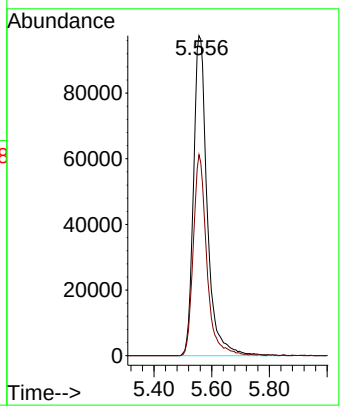


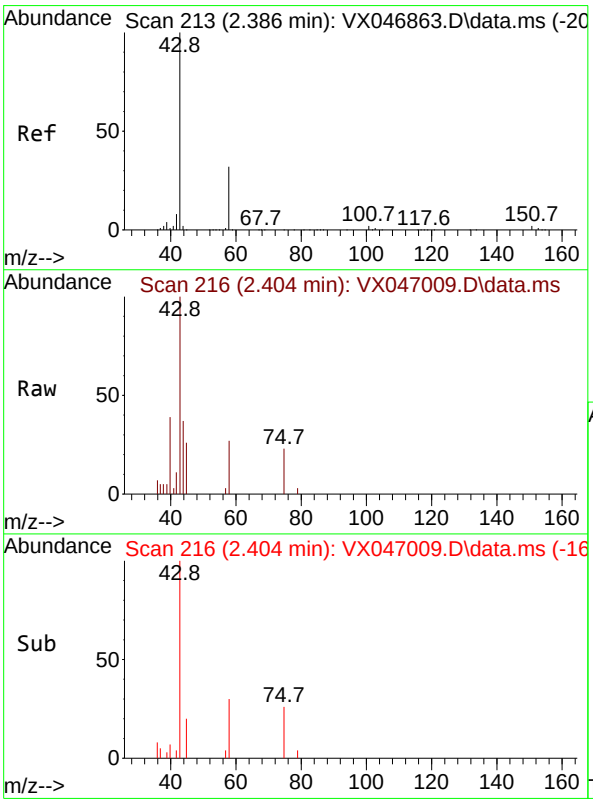

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047009.D
Acq: 15 Jul 2025 17:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP2ME

Tgt Ion:168 Resp: 321586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.8 | 48.8 | 73.2 |

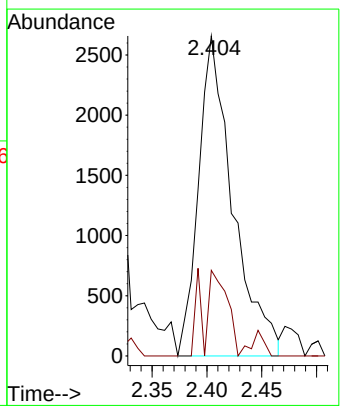


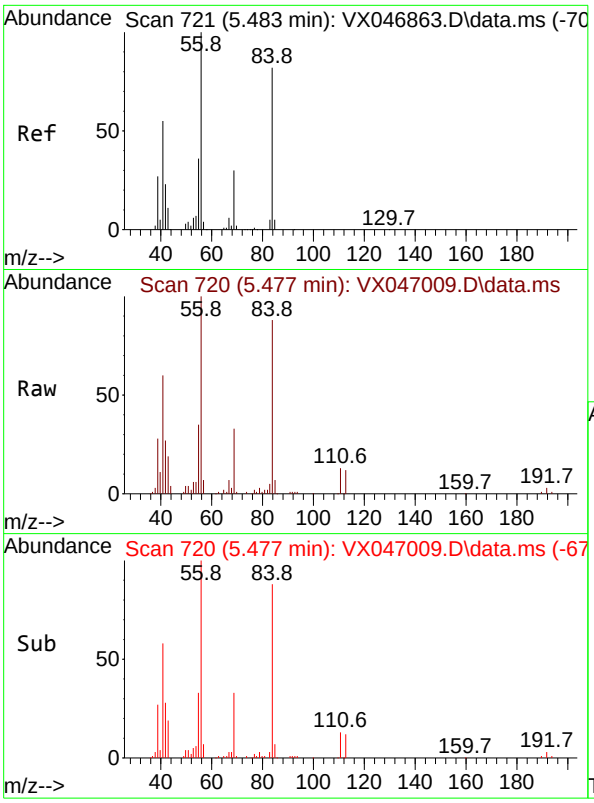




#16
Acetone
Concen: 4.387 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.018 min
Lab File: VX047009.D
Acq: 15 Jul 2025 17:49

Tgt Ion: 43 Resp: 5790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.7 | 25.8 | 38.6 |



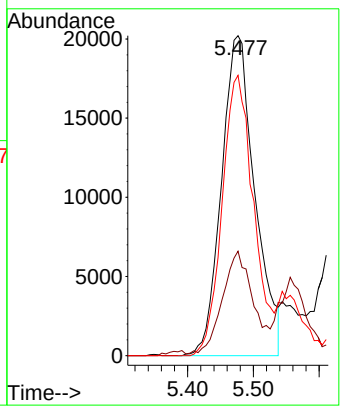


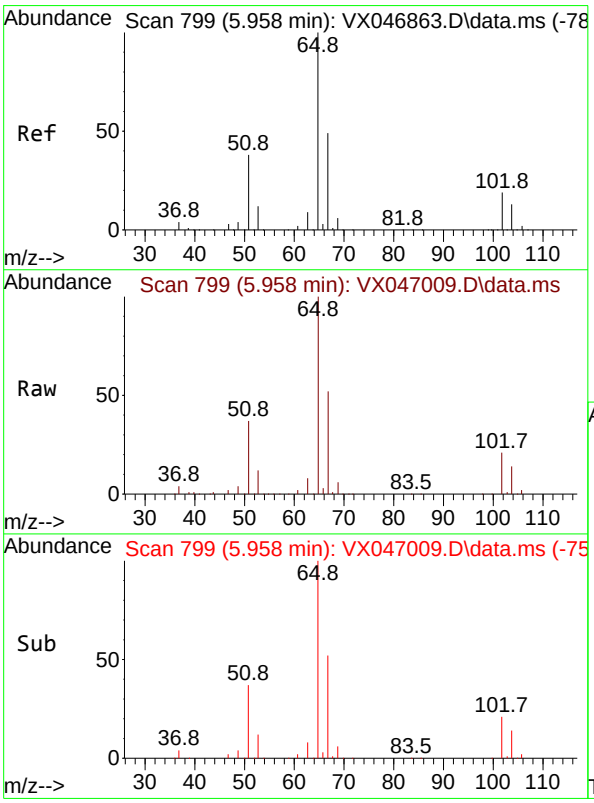

#31
Cyclohexane
Concen: 11.743 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047009.D
Acq: 15 Jul 2025 17:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP2ME

Tgt Ion: 56 Resp: 71312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.4 | 24.0 | 36.0 |
| 84 | 87.6 | 66.5 | 99.7 |

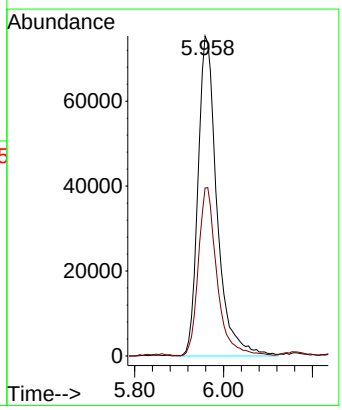


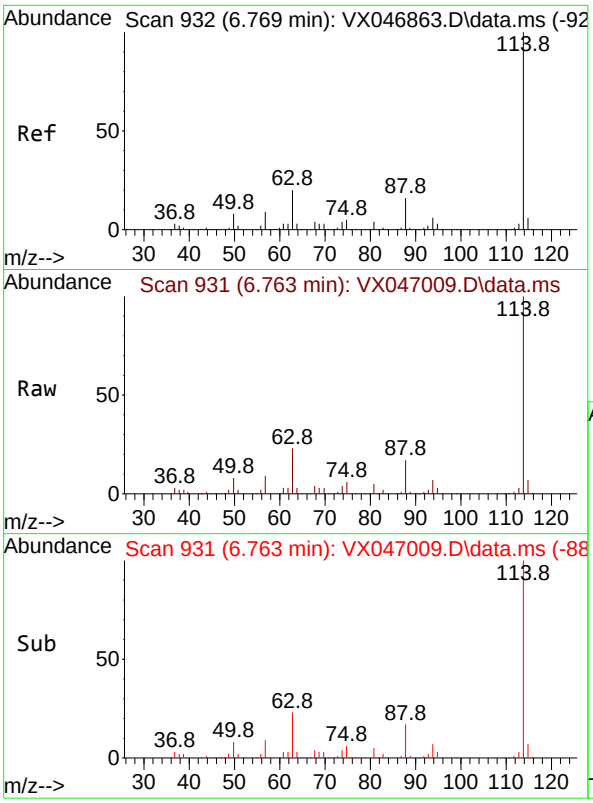




#33
1,2-Dichloroethane-d4
Concen: 52.728 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX047009.D
Acq: 15 Jul 2025 17:49

Tgt Ion: 65 Resp: 224013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.4 | 0.0 | 105.2 |



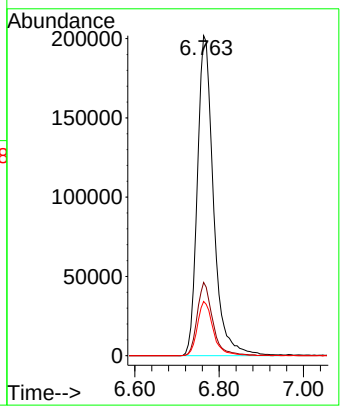


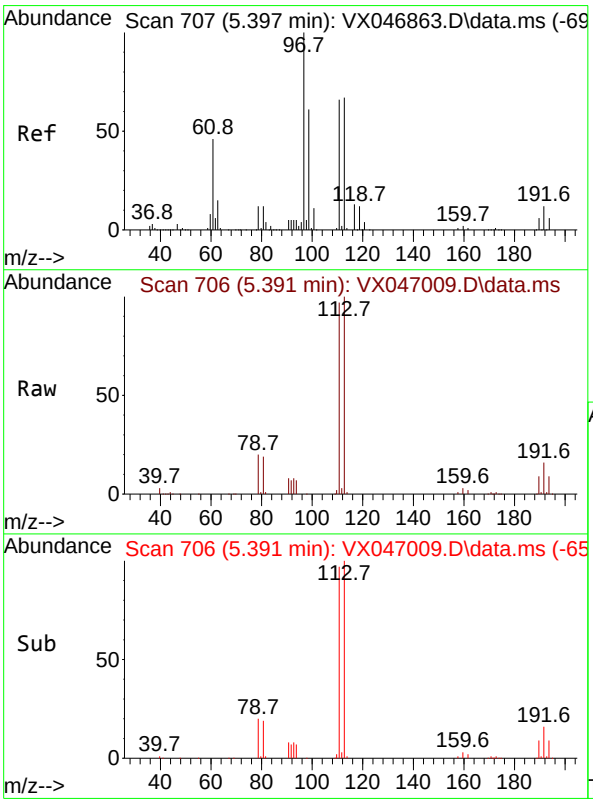

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX047009.D
Acq: 15 Jul 2025 17:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP2ME

Tgt Ion:114 Resp: 538656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.9 | 0.0 | 40.4 |
| 88 | 17.0 | 0.0 | 31.0 |

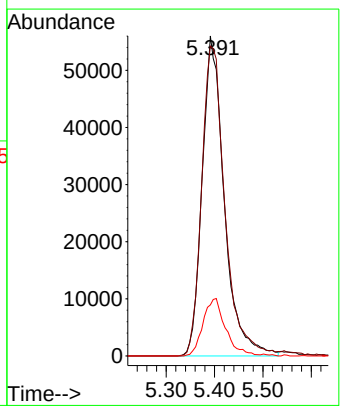


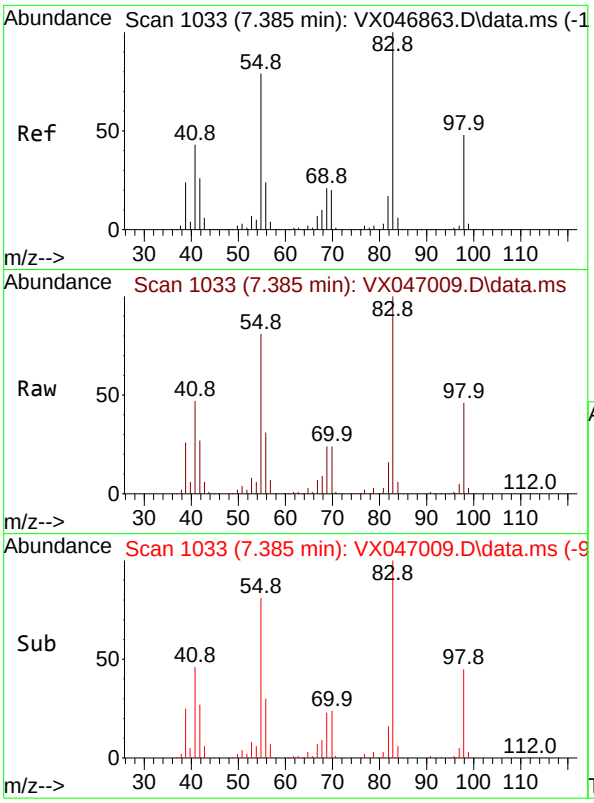

#35
Dibromofluoromethane
Concen: 48.627 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047009.D
Acq: 15 Jul 2025 17:49

Tgt Ion:113 Resp: 177800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.9 | 81.2 | 121.8 |
| 192 | 18.3 | 15.3 | 22.9 |



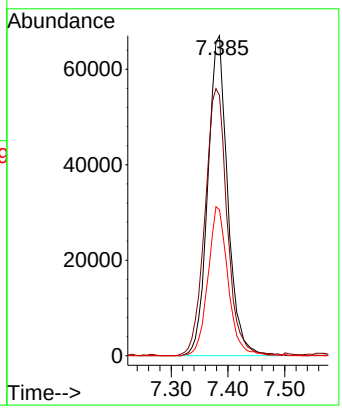
**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP2ME

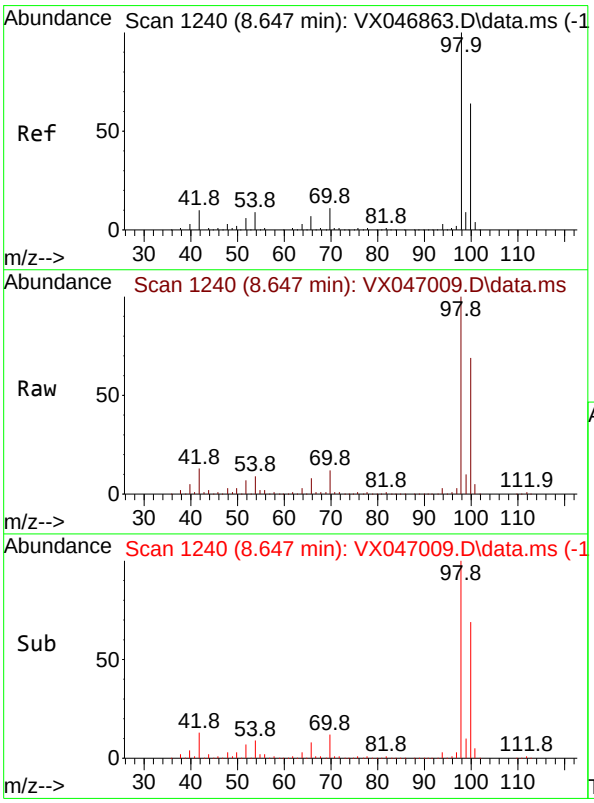



#39
Methylcyclohexane
Concen: 26.458 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047009.D
Acq: 15 Jul 2025 17:49

Tgt Ion: 83 Resp: 163273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 81.2 | 63.0 | 94.4 |
| 98 | 45.6 | 38.5 | 57.7 |

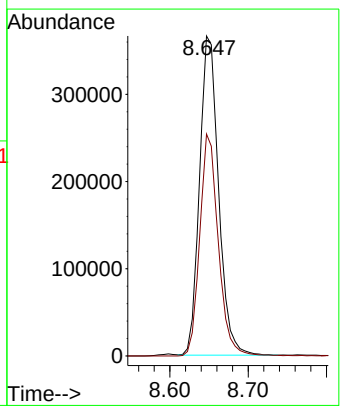


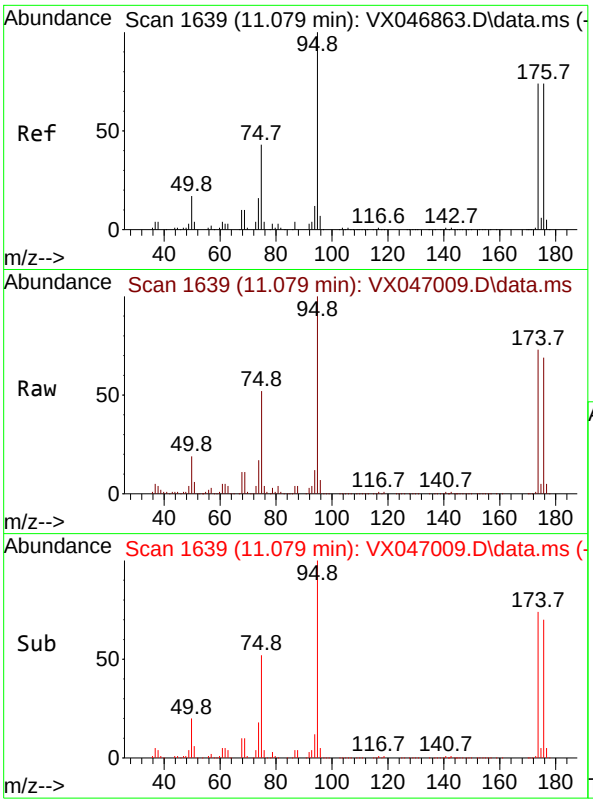




#50
Toluene-d8
Concen: 47.810 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX047009.D
Acq: 15 Jul 2025 17:49

Tgt Ion: 98 Resp: 616777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.9 | 53.0 | 79.6 |



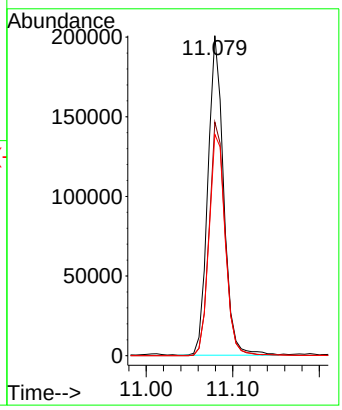


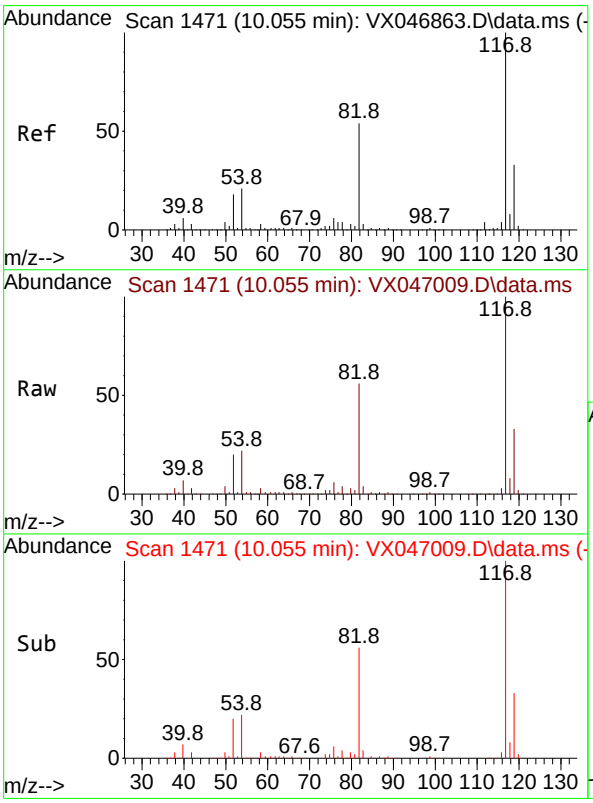

#62
4-Bromofluorobenzene
Concen: 51.606 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047009.D
Acq: 15 Jul 2025 17:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP2ME

Tgt Ion: 95 Resp: 253024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.3 | 0.0 | 152.0 |
| 176 | 72.1 | 0.0 | 145.2 |

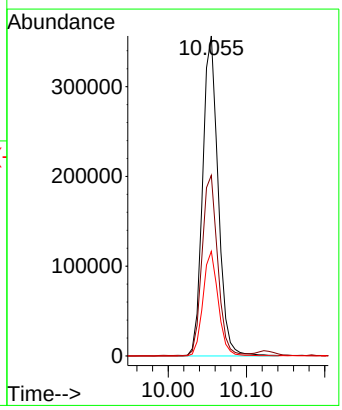


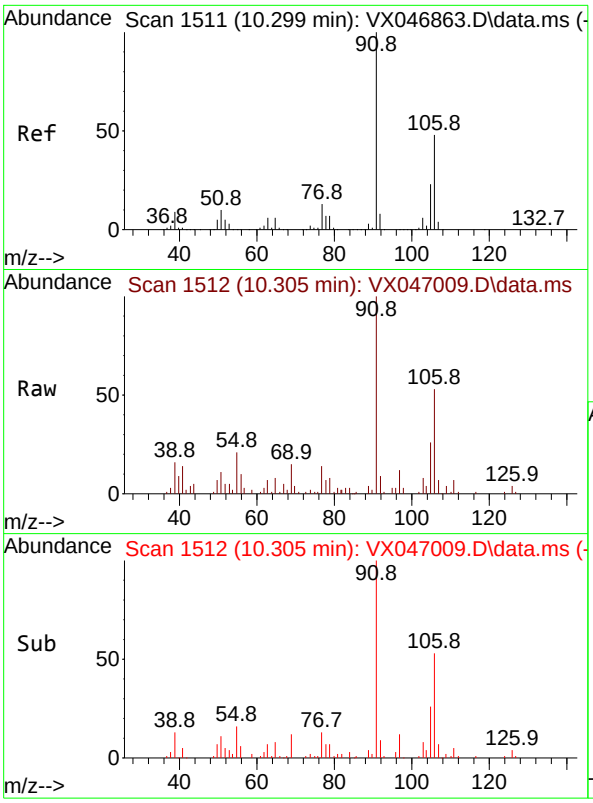




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX047009.D
Acq: 15 Jul 2025 17:49

Tgt Ion:117 Resp: 489470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.3 | 43.3 | 64.9 |
| 119 | 32.7 | 26.4 | 39.6 |



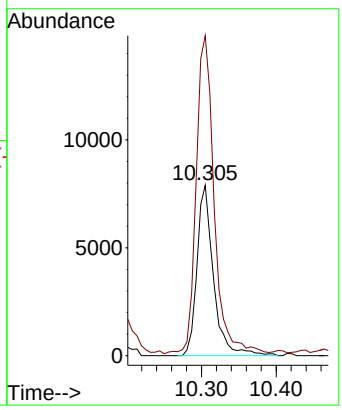


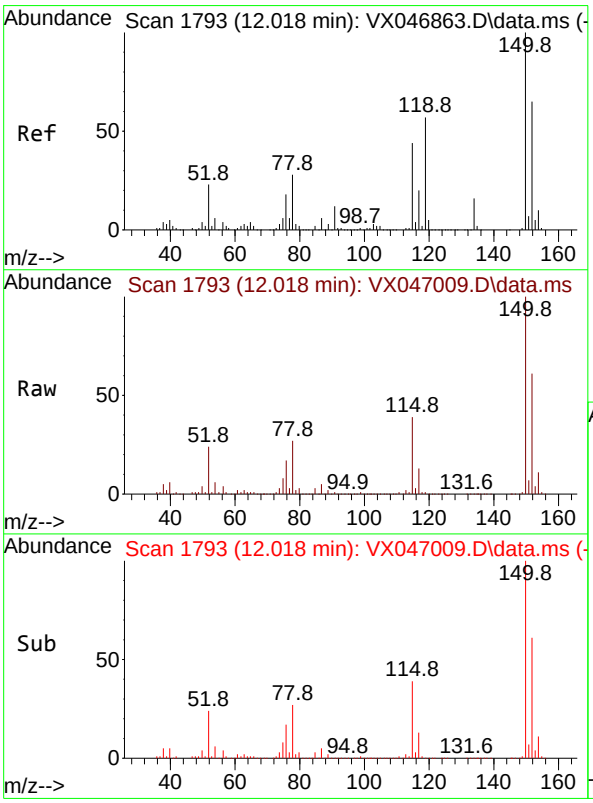

#68
m/p-Xylenes
Concen: 1.772 ug/l
RT: 10.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047009.D
Acq: 15 Jul 2025 17:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP2ME

Tgt Ion:106 Resp: 12099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.0 | 164.6 | 246.8 |

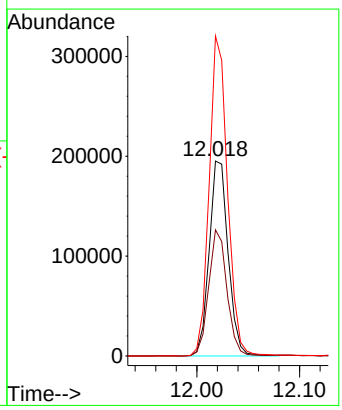


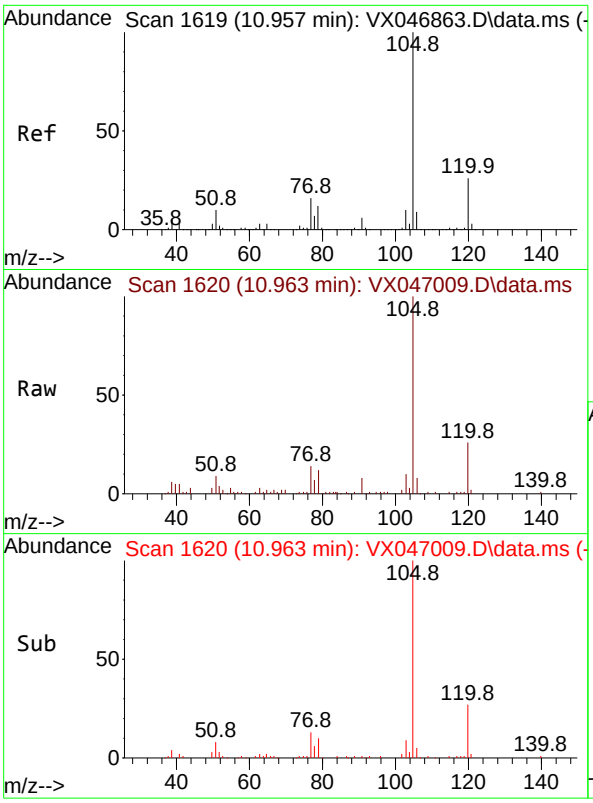




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX047009.D
Acq: 15 Jul 2025 17:49

Tgt Ion:152 Resp: 250920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.1 | 42.4 | 127.1 |
| 150 | 158.7 | 0.0 | 349.2 |



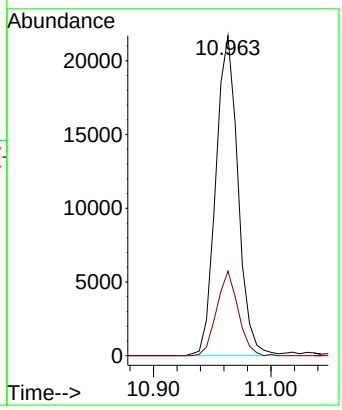


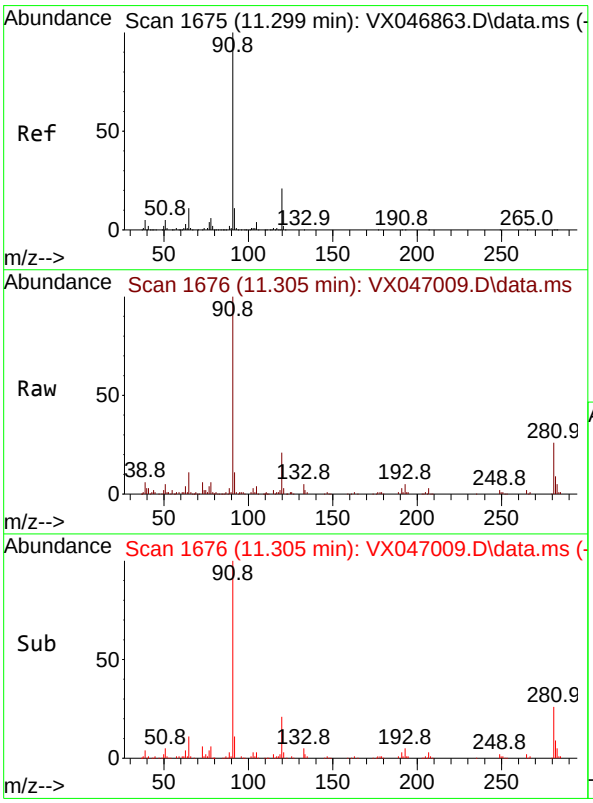

#73
Isopropylbenzene
Concen: 1.619 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047009.D
Acq: 15 Jul 2025 17:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP2ME

Tgt Ion:105 Resp: 28554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.5 | 13.2 | 39.5 |

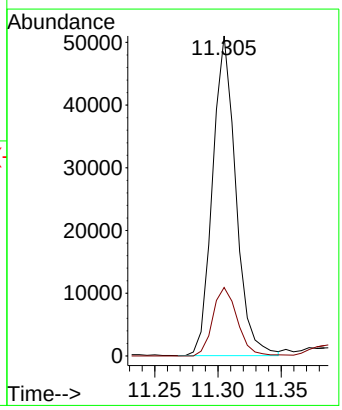


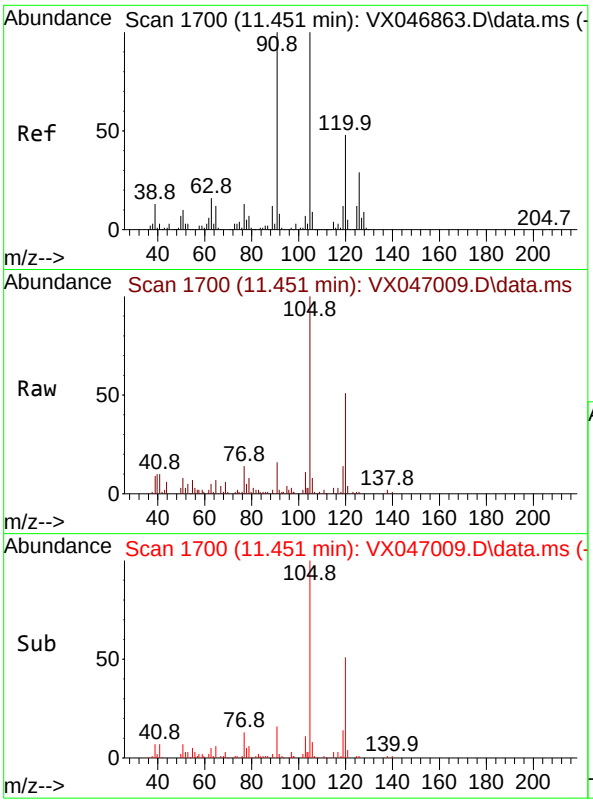




#78
n-propylbenzene
Concen: 3.053 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX047009.D
Acq: 15 Jul 2025 17:49

Tgt Ion: 91 Resp: 64931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.7 | 11.2 | 33.5 |



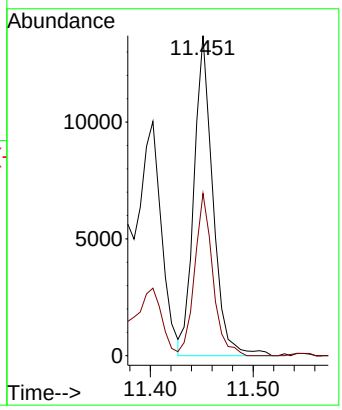


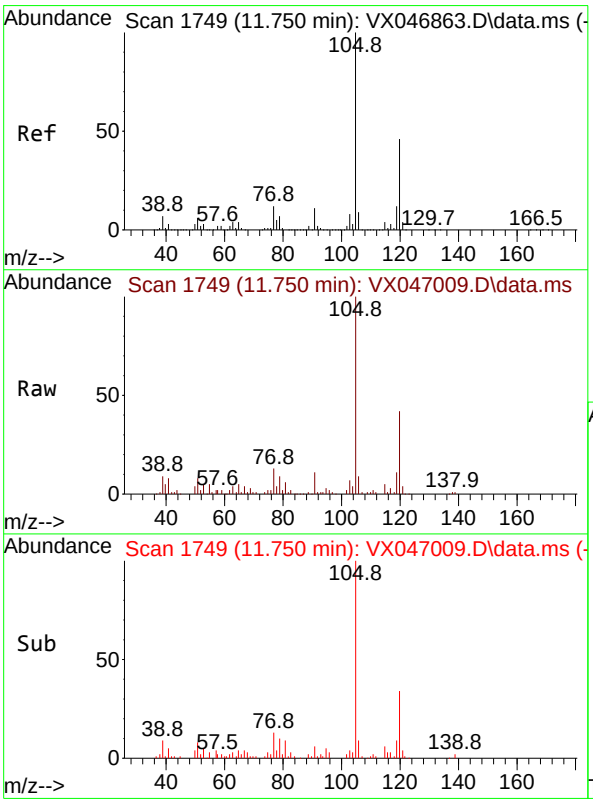

#80
1,3,5-Trimethylbenzene
Concen: 1.222 ug/l
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047009.D
Acq: 15 Jul 2025 17:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP2ME

Tgt Ion:105 Resp: 17509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.6 | 24.1 | 72.4 |

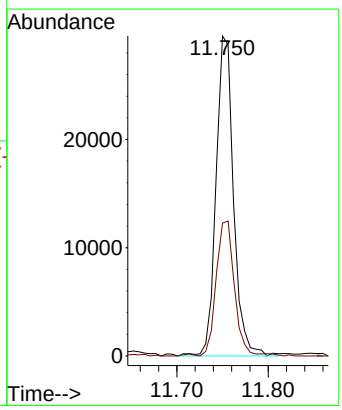



#84
1,2,4-Trimethylbenzene
Concen: 2.716 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX047009.D
Acq: 15 Jul 2025 17:49

Tgt Ion:105 Resp: 39353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.2 | 23.3 | 69.8 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 15 04:17:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) Pentafluorobenzene | 7.965 | 168 | 198013 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.855 | 114 | 378189 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.629 | 117 | 323667 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 116915 | 50.000 | ug/l | # | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.319 | 65 | 125286 | 44.088 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 63 - 155 | | Recovery = 88.180% | | | | |
| 35) Dibromofluoromethane | 7.904 | 113 | 117378 | 47.563 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 70 - 134 | | Recovery = 95.120% | | | | |
| 50) Toluene-d8 | 10.331 | 98 | 472486 | 51.448 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 74 - 123 | | Recovery = 102.900% | | | | |
| 62) 4-Bromofluorobenzene | 12.617 | 95 | 134818 | 39.891 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 17 - 146 | | Recovery = 79.780% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 16) Acetone | 4.161 | 43 | 149166 | 212.371 | ug/l | # | 86 |
| 17) Carbon Disulfide | 4.429 | 76 | 29177 | 4.621 | ug/l | | 97 |
| 25) 2-Butanone | 7.197 | 43 | 67189 | 73.529 | ug/l | # | 83 |
| 31) Cyclohexane | 7.978 | 56 | 3012131 | 744.435 | ug/l | | 94 |
| 39) Methylcyclohexane | 9.349 | 83 | 7057937 | 1588.537 | ug/l | | 96 |
| 52) Toluene | 10.392 | 92 | 58077 | 8.585 | ug/l | | 100 |
| 67) Ethyl Benzene | 11.733 | 91 | 153523 | 12.398 | ug/l | | 95 |
| 68) m/p-Xylenes | 11.843 | 106 | 624353 | 131.159 | ug/l | | 98 |
| 69) o-Xylene | 12.166 | 106 | 105452 | 23.926 | ug/l | | 95 |
| 73) Isopropylbenzene | 12.464 | 105 | 521961 | 58.692 | ug/l | | 99 |
| 78) n-propylbenzene | 12.800 | 91 | 978725 | 91.904 | ug/l | | 97 |
| 80) 1,3,5-Trimethylbenzene | 12.940 | 105 | 903463 | 122.731 | ug/l | | 99 |
| 83) tert-Butylbenzene | 13.202 | 119 | 12216 | 1.937 | ug/l | | 92 |
| 84) 1,2,4-Trimethylbenzene | 13.245 | 105 | 2453174 | 328.905 | ug/l | | 98 |
| 85) sec-Butylbenzene | 13.379 | 105 | 44735m | 4.727 | ug/l | | |
| 86) p-Isopropyltoluene | 13.495 | 119 | 80598 | 10.333 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.812 | 91 | 11864m | 1.565 | ug/l | | |
| 95) Naphthalene | 15.360 | 128 | 7035 | 1.280 | ug/l | # | 93 |

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

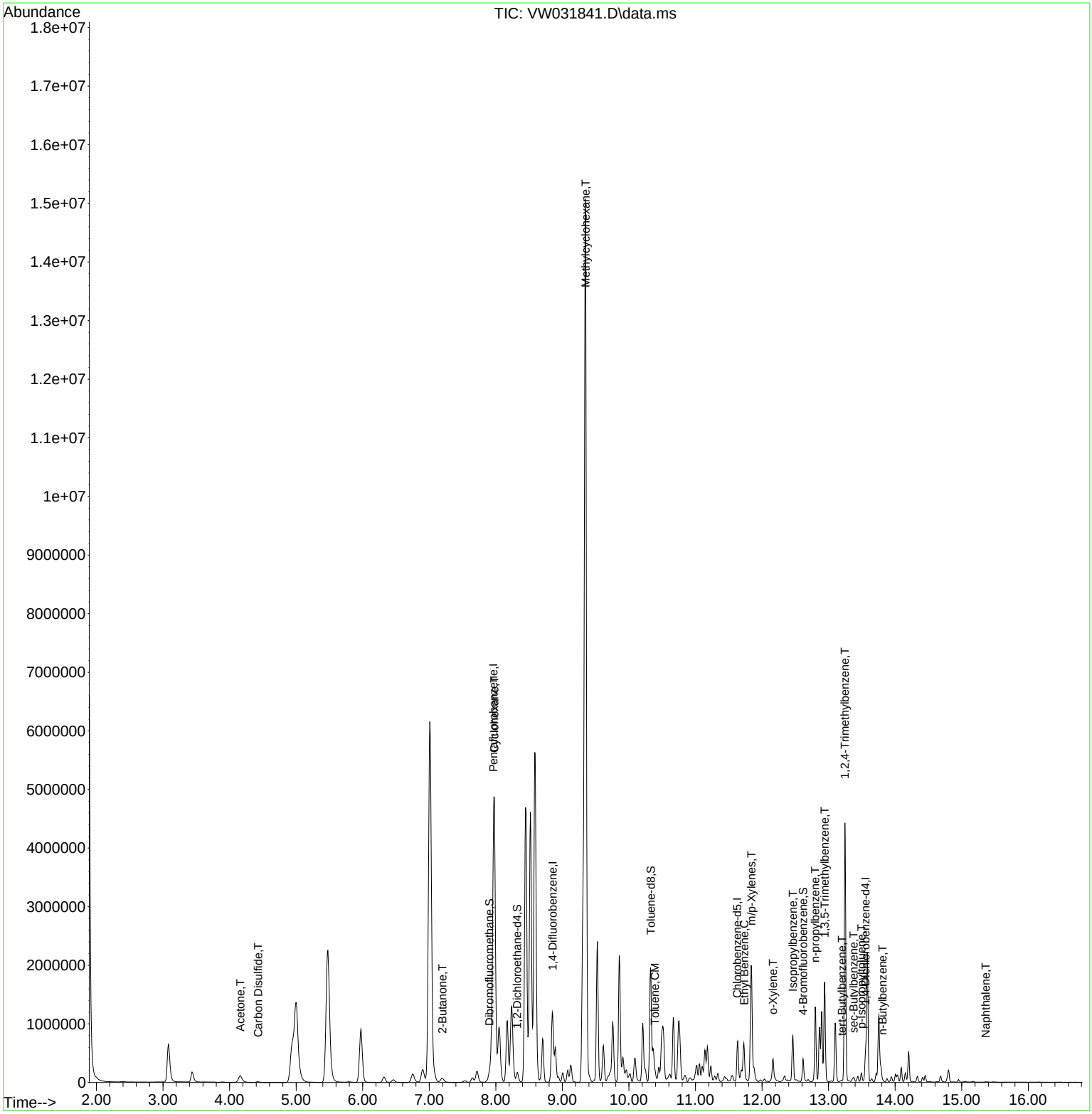
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

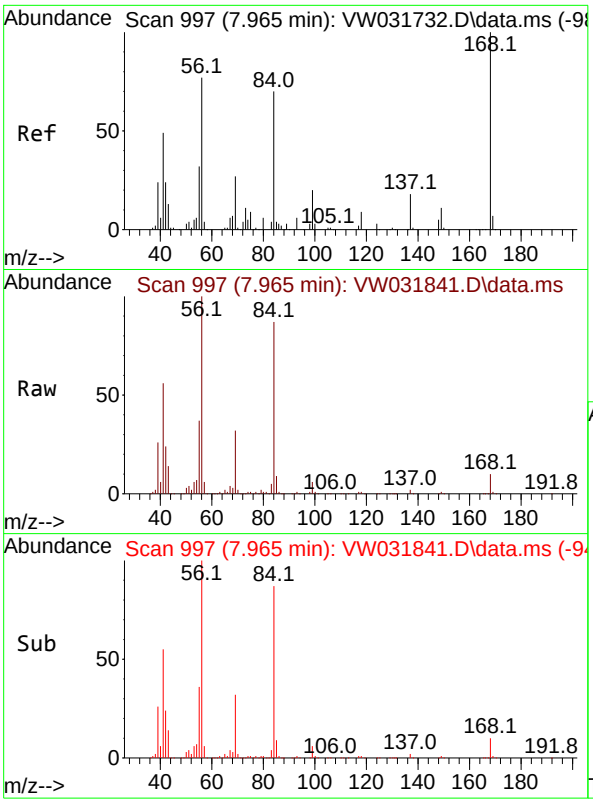
Quant Time: Jul 15 04:17:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025






#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

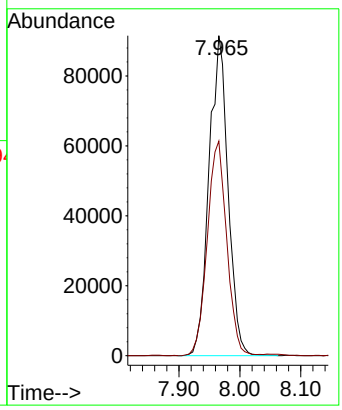
Tgt Ion:168 Resp: 19801

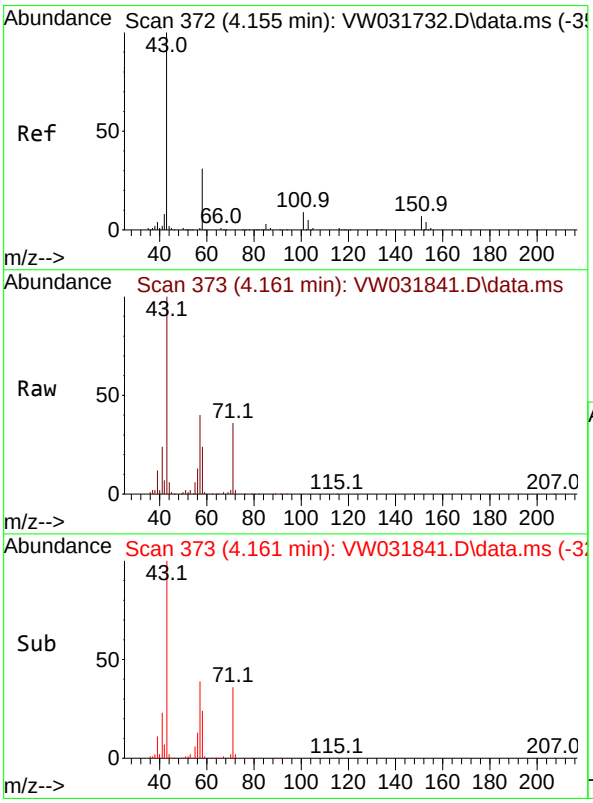
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 67.0 | 49.4 | 74.2 |

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

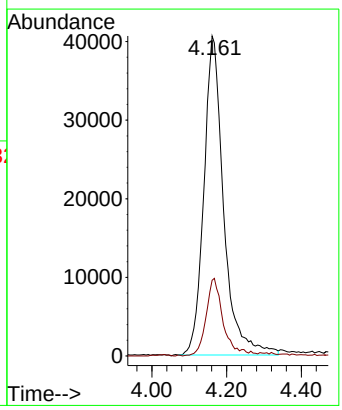


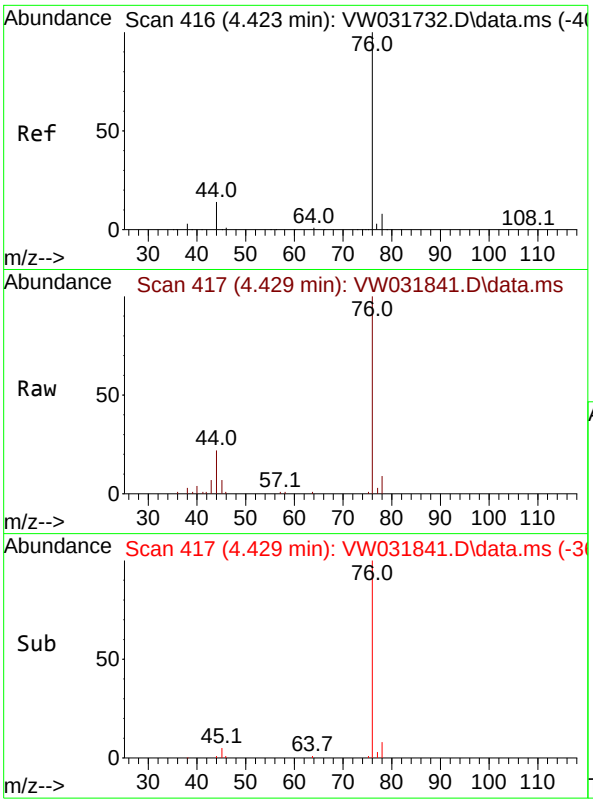




#16
Acetone
Concen: 212.371 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion: 43 Resp: 149166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 23.5 | 24.8 | 37.2# |

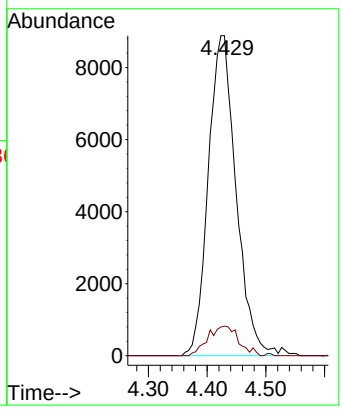





#17
Carbon Disulfide
Concen: 4.621 ug/l
RT: 4.429 min Scan# 4
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion: 76 Resp: 2917

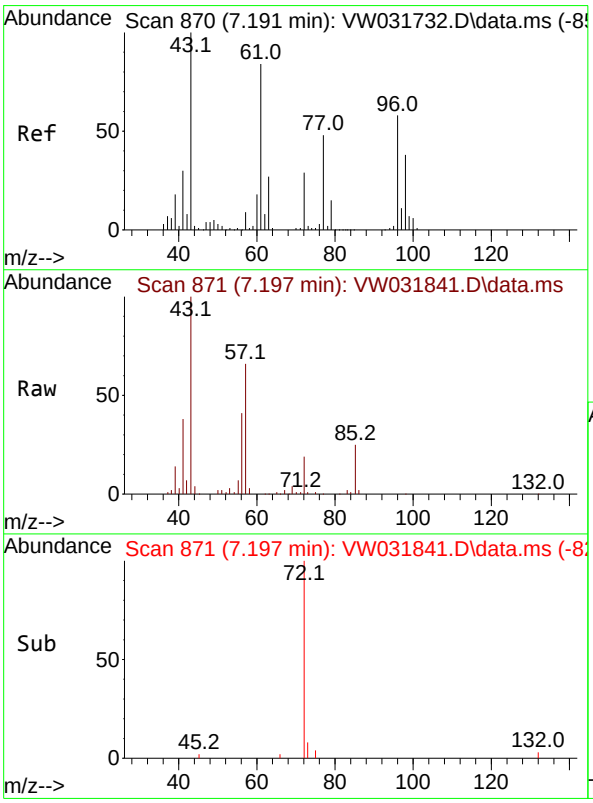
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.3 | 6.6 | 10.0 |




**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

**Manual Integrations**
**APPROVED**

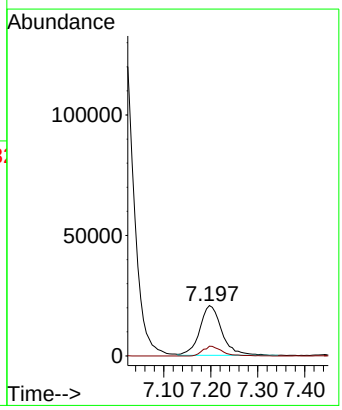
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

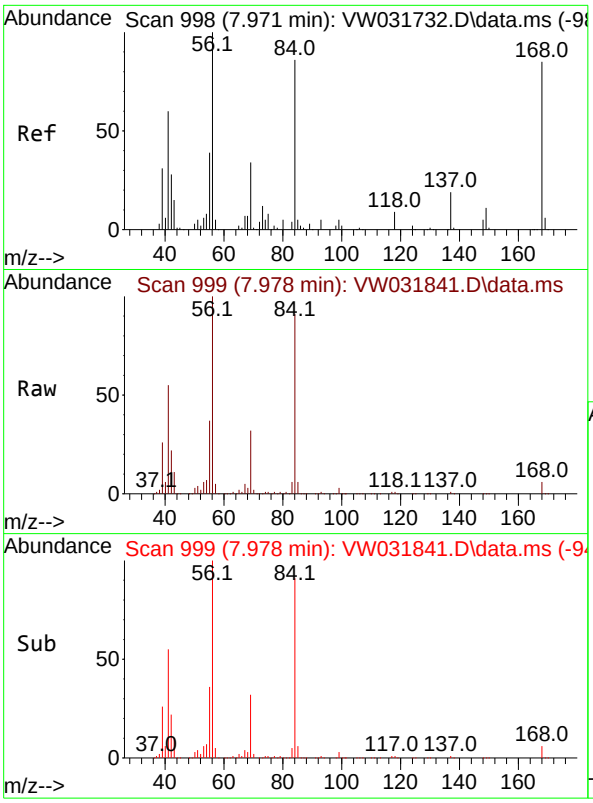



#25
2-Butanone
Concen: 73.529 ug/l
RT: 7.197 min Scan# 871
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion: 43 Resp: 67189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 19.7 | 23.0 | 34.6# |

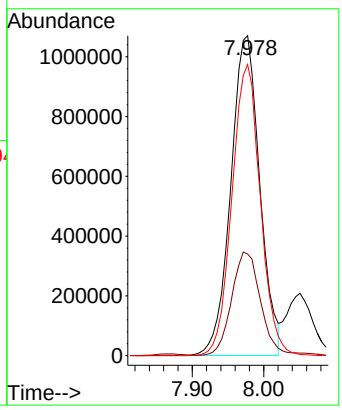





#31
Cyclohexane
Concen: 744.435 ug/l
RT: 7.978 min Scan# 9
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion: 56 Resp: 301213

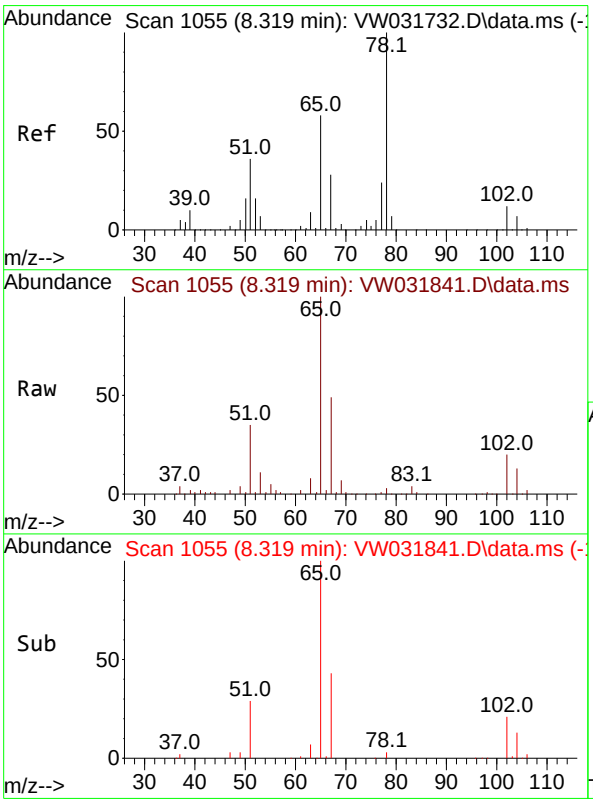
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.4 | 27.2 | 40.8 |
| 84 | 91.1 | 68.5 | 102.7 |




**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

**Manual Integrations**
**APPROVED**

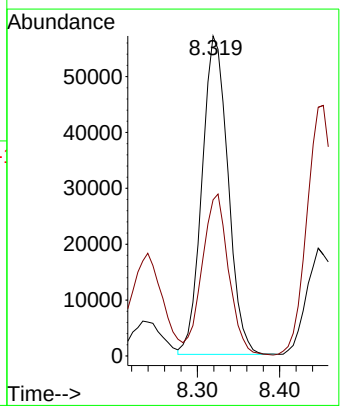
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

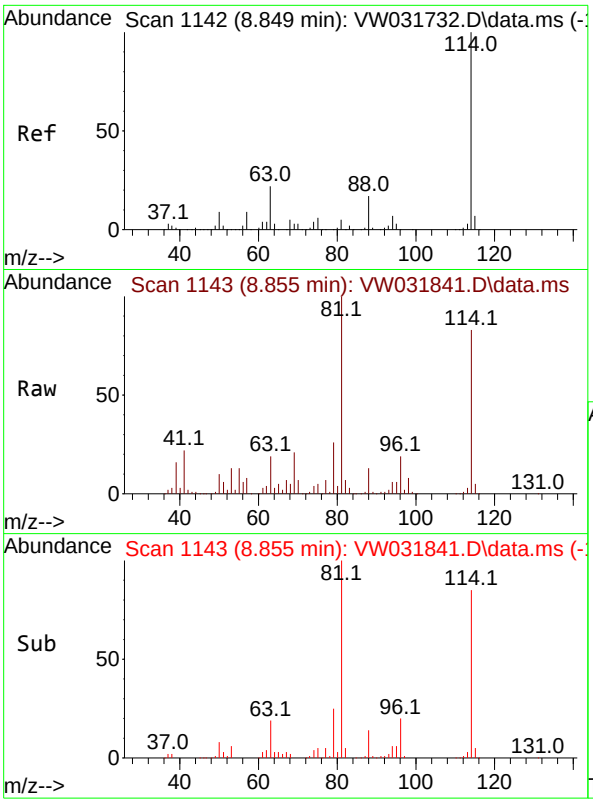



#33
1,2-Dichloroethane-d4
Concen: 44.088 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion: 65 Resp: 125286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.4 | 0.0 | 99.4 |






#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

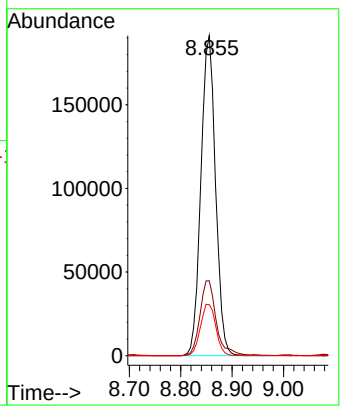
Tgt Ion:114 Resp: 37818

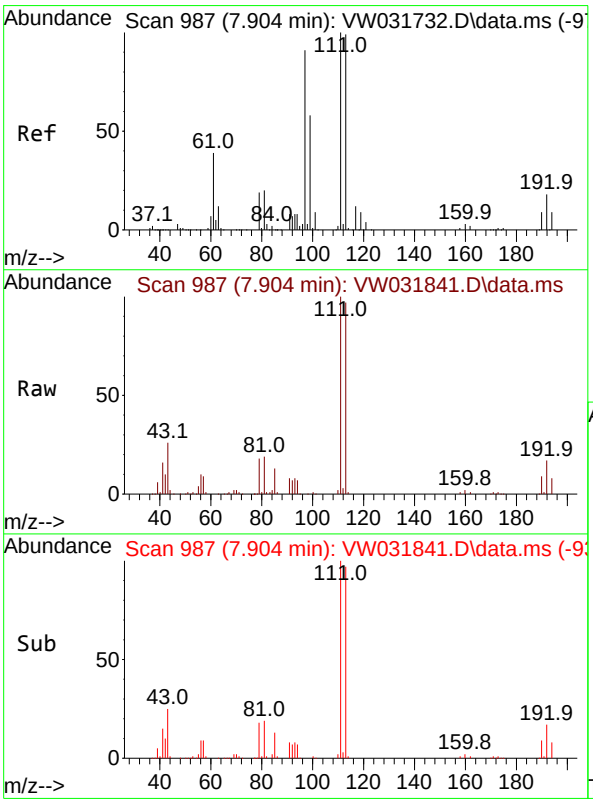
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.4 | 0.0 | 43.6 |
| 88 | 16.0 | 0.0 | 34.2 |

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

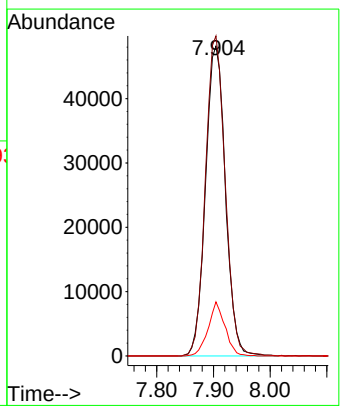


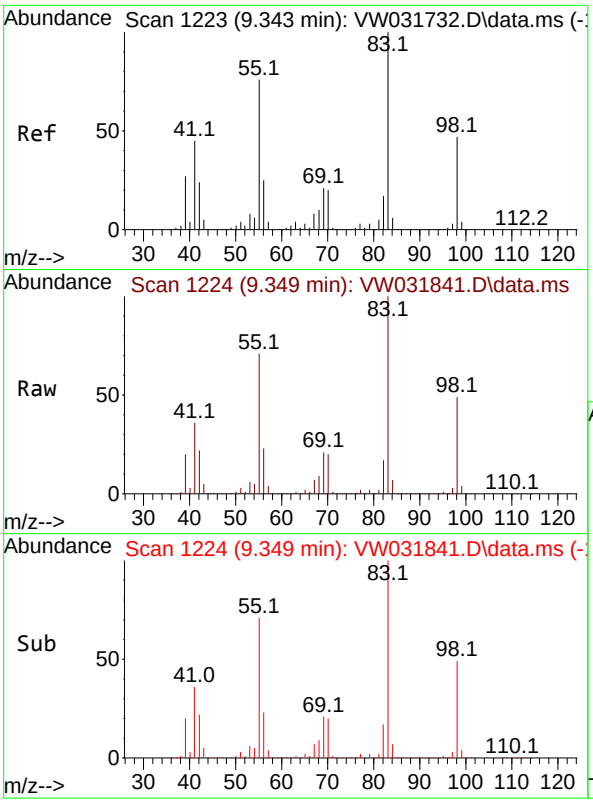




#35
Dibromofluoromethane
Concen: 47.563 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion:113 Resp: 117378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.3 | 82.1 | 123.1 |
| 192 | 14.8 | 13.8 | 20.6 |

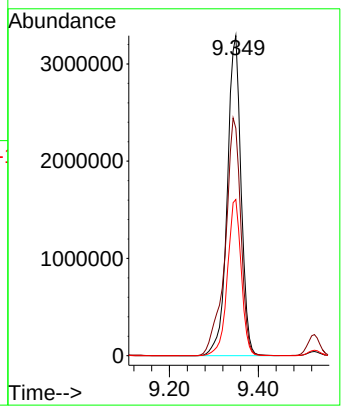





#39
Methylcyclohexane
Concen: 1588.537 ug/l
RT: 9.349 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion: 83 Resp: 705793

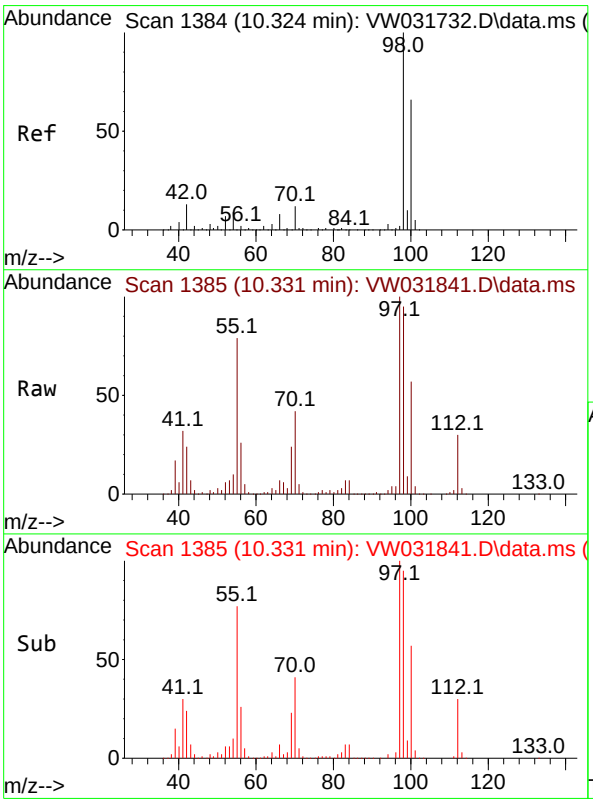
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 71.1 | 61.0 | 91.4 |
| 98 | 48.8 | 37.9 | 56.9 |




**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

**Manual Integrations**
**APPROVED**

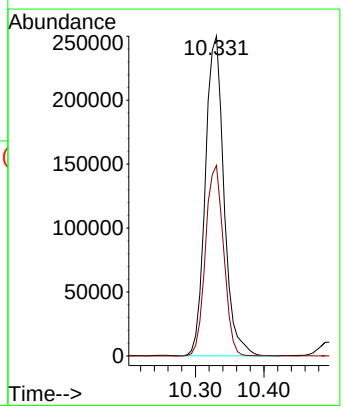
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

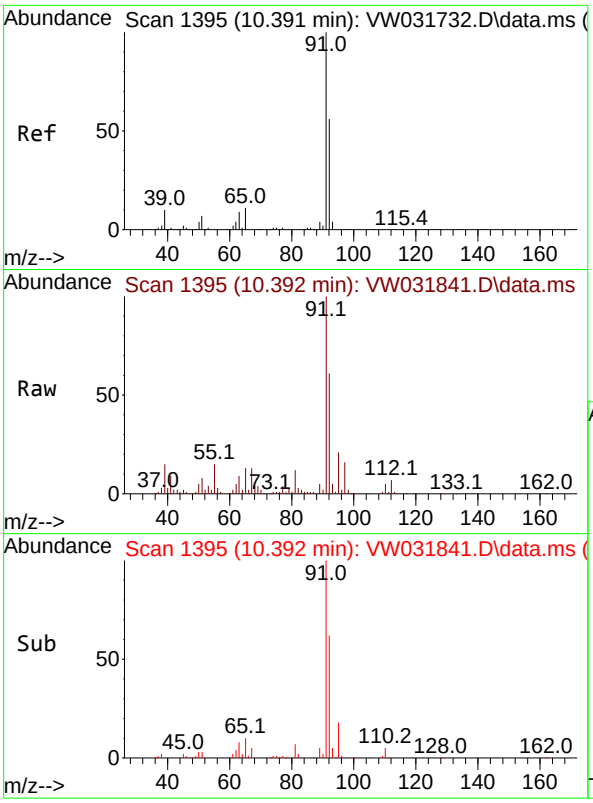



#50
Toluene-d8
Concen: 51.448 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion: 98 Resp: 472486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 57.9 | 53.0 | 79.4 |






#52
Toluene
Concen: 8.585 ug/l
RT: 10.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

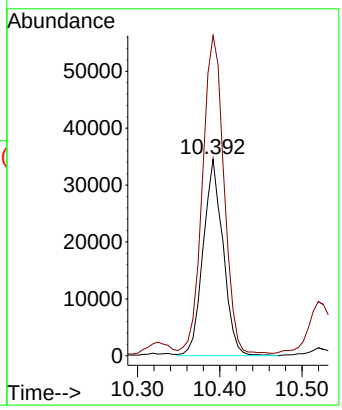
Tgt Ion: 92 Resp: 5807

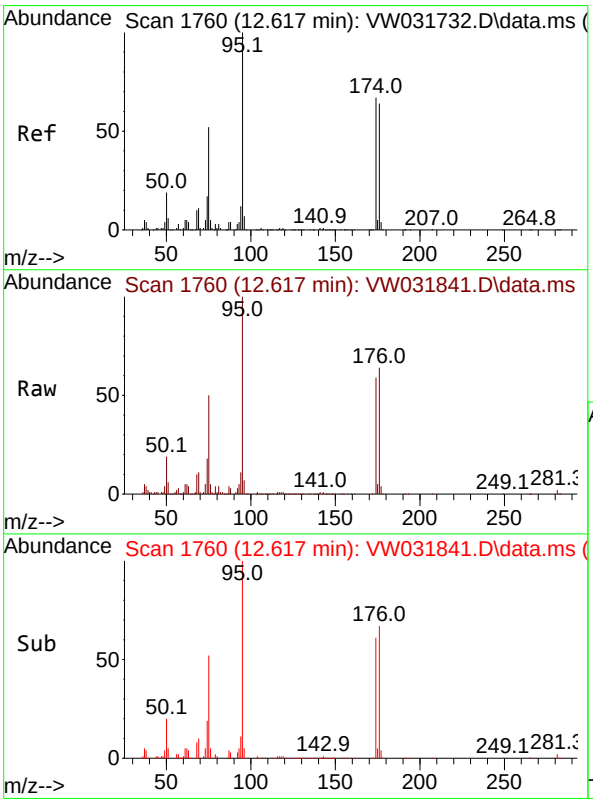
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.4 | 139.5 | 209.3 |

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

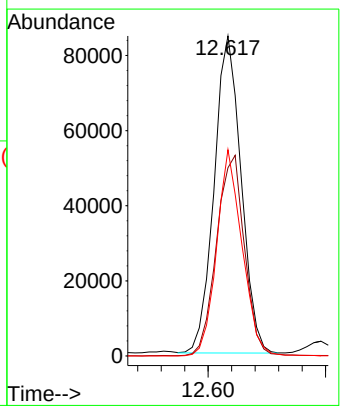


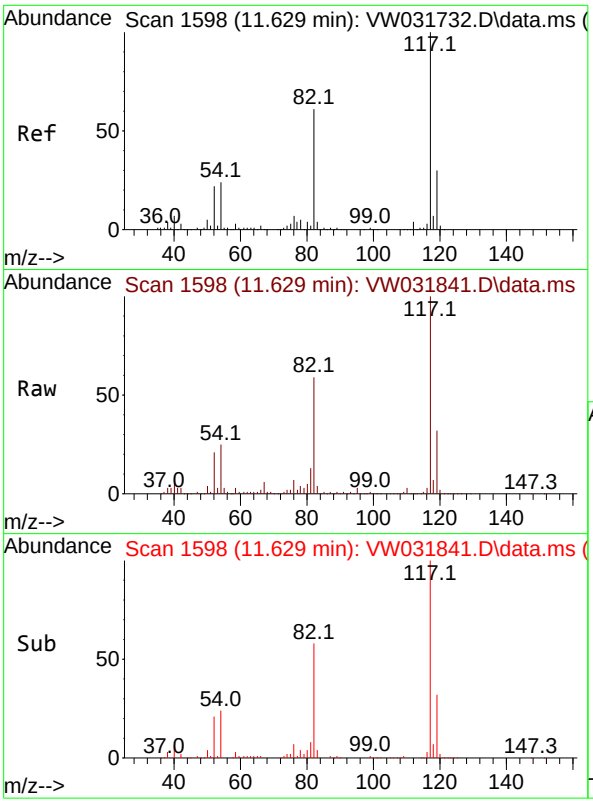




#62
4-Bromofluorobenzene
Concen: 39.891 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion: 95 Resp: 134818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 66.0 | 0.0 | 133.8 |
| 176 | 61.4 | 0.0 | 126.0 |

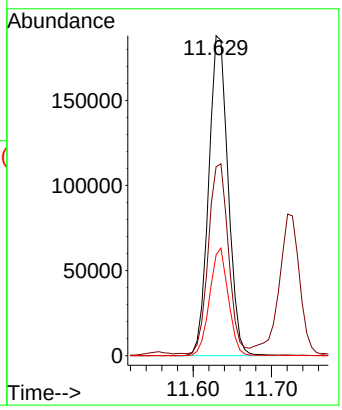





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion:117 Resp: 32366

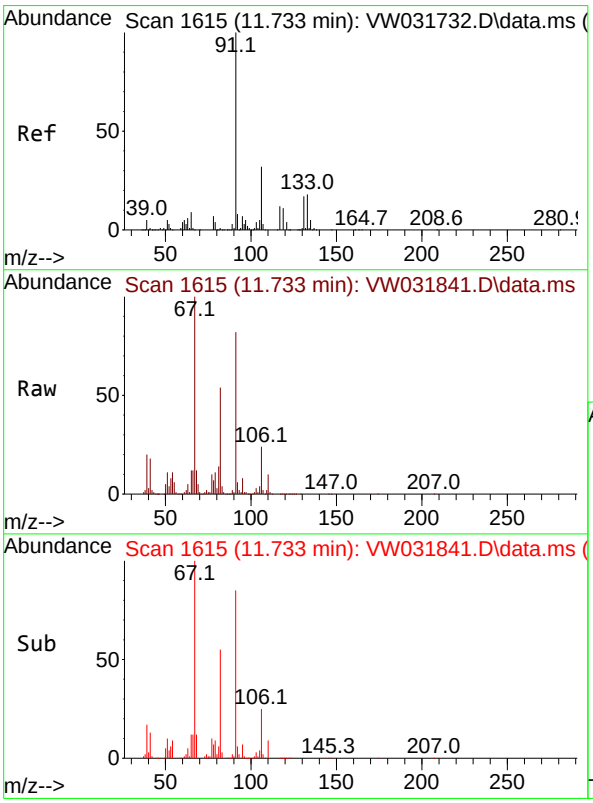
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.3 | 48.6 | 72.8 |
| 119 | 31.6 | 23.9 | 35.9 |




**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

**Manual Integrations**
**APPROVED**

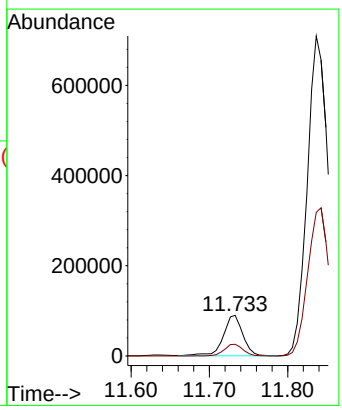
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

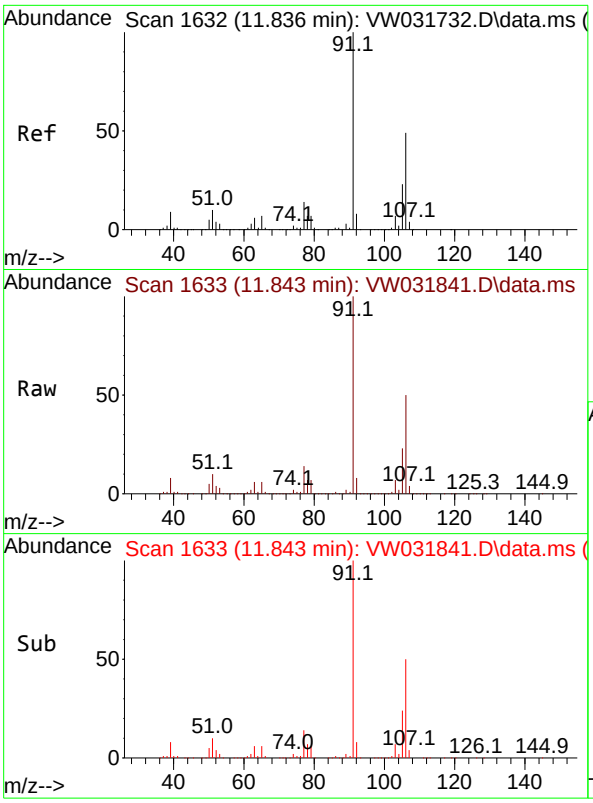



#67
Ethyl Benzene
Concen: 12.398 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion: 91 Resp: 153523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.1 | 25.4 | 38.2 |






#68
m/p-Xylenes
Concen: 131.159 ug/l
RT: 11.843 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

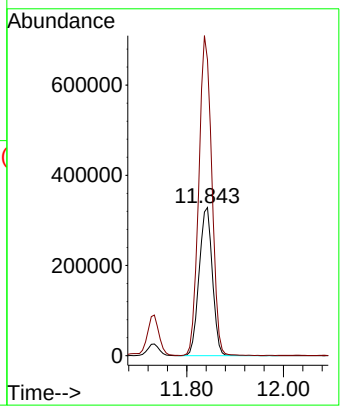
Tgt Ion:106 Resp: 62435

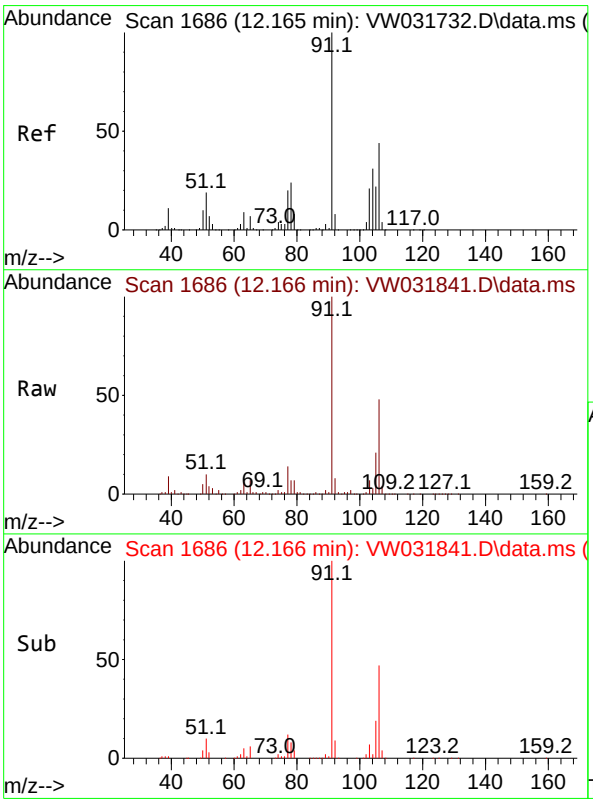
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.6 | 166.4 | 249.6 |

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

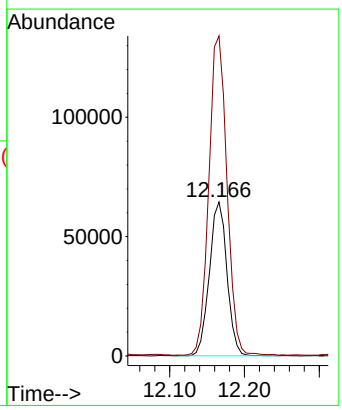


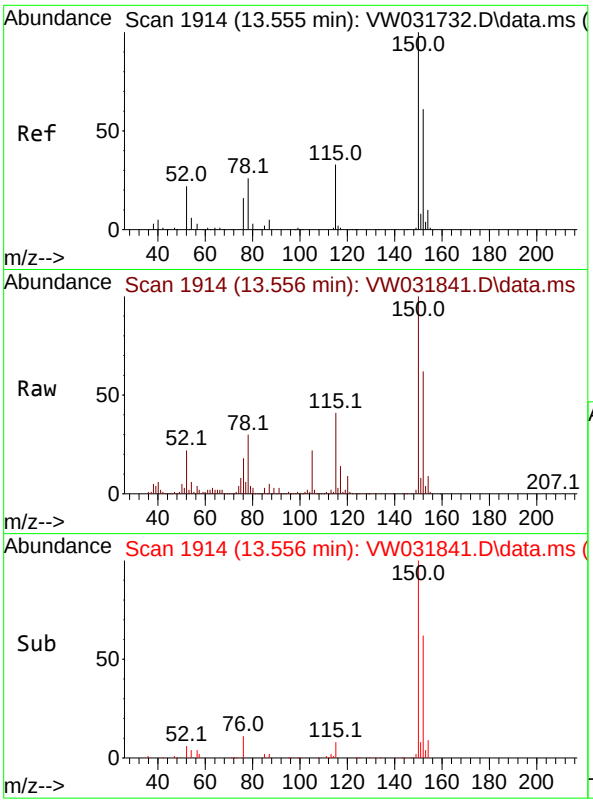




#69
o-Xylene
Concen: 23.926 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion:106 Resp: 105452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 214.3 | 111.5 | 334.4 |

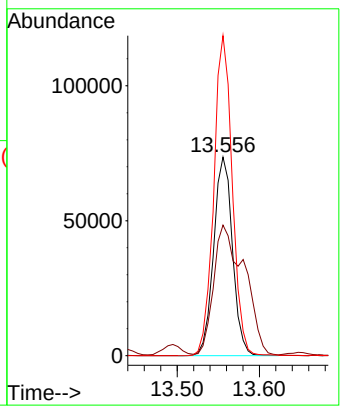





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion:152 Resp: 11691

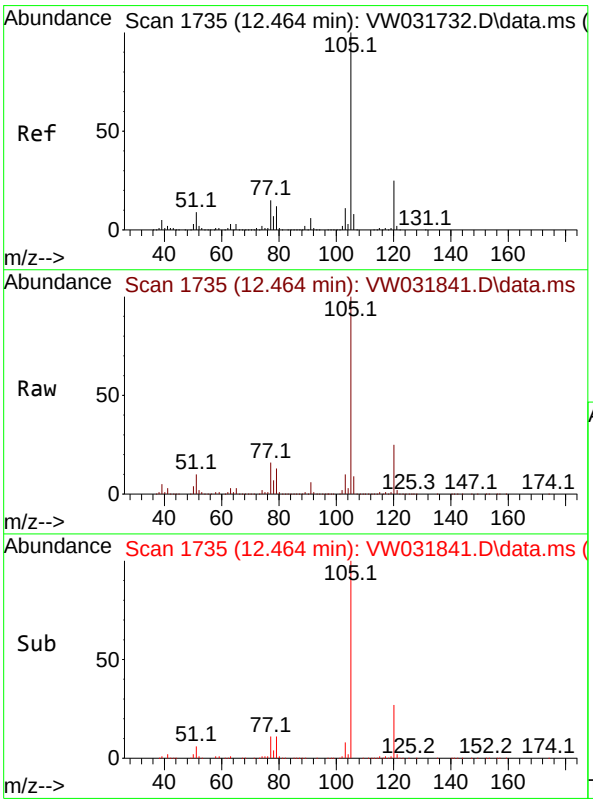
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 106.1 | 31.9 | 95.7 |
| 150 | 158.6 | 0.0 | 356.4 |




**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

**Manual Integrations**
**APPROVED**

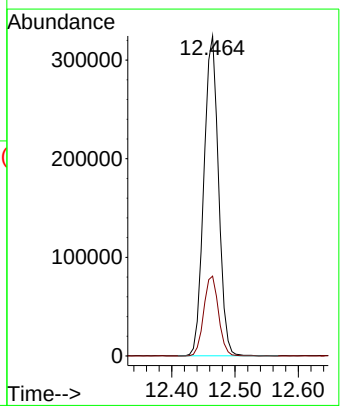
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

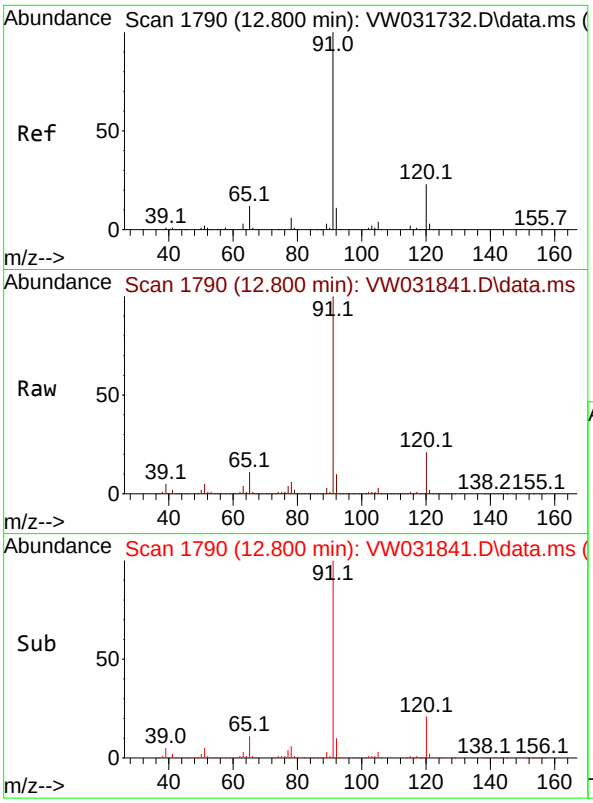



#73
Isopropylbenzene
Concen: 58.692 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion:105 Resp: 521961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.2 | 12.8 | 38.4 |






#78
n-propylbenzene
Concen: 91.904 ug/l
RT: 12.800 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

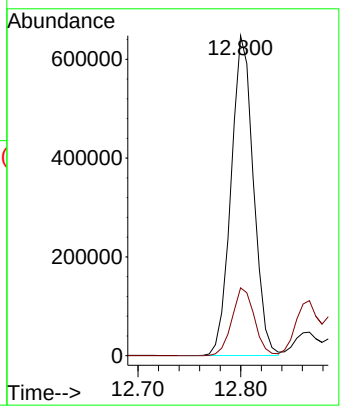
Tgt Ion: 91 Resp: 97872

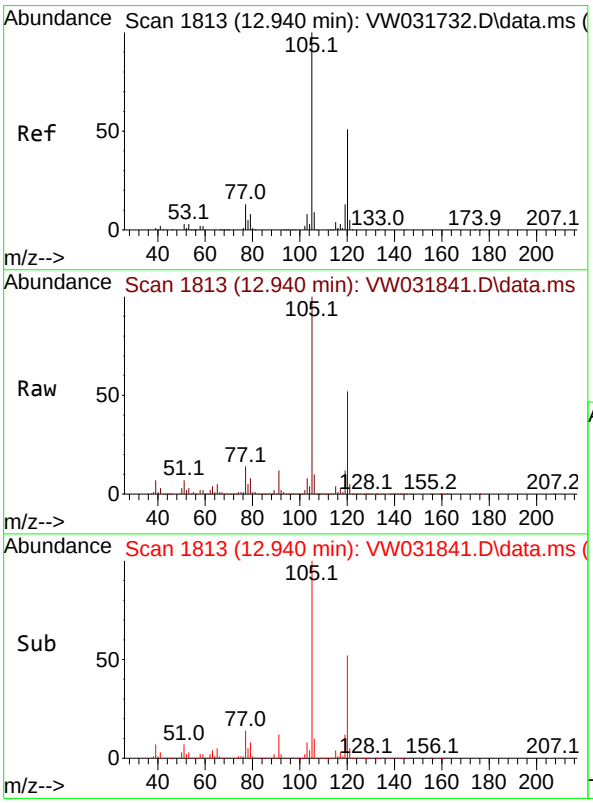
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.3 | 11.5 | 34.4 |

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

**Manual Integrations**
**APPROVED**

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

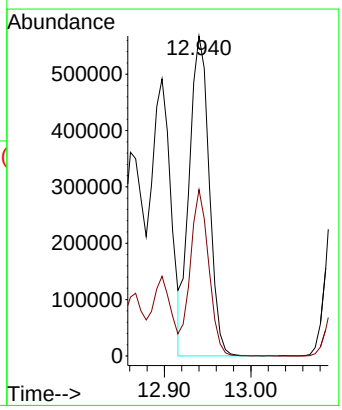


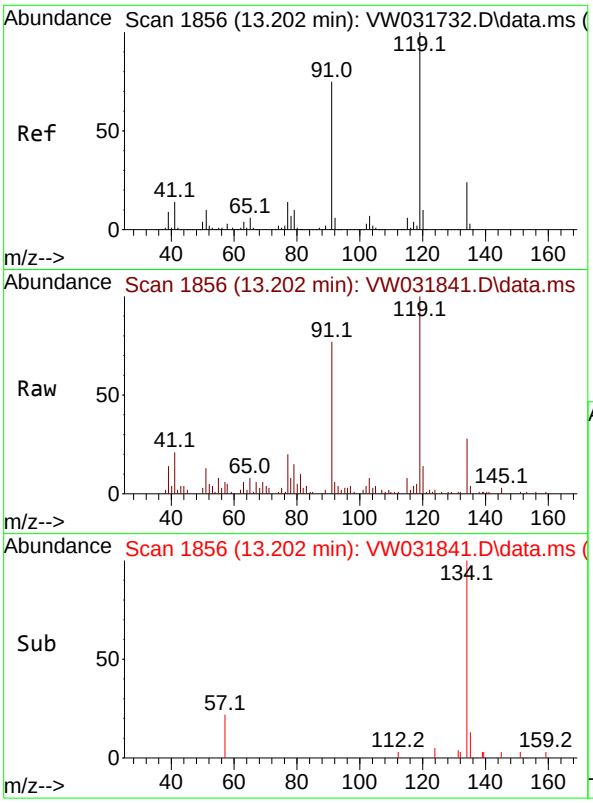




#80
1,3,5-Trimethylbenzene
Concen: 122.731 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion:105 Resp: 903463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.4 | 23.8 | 71.2 |

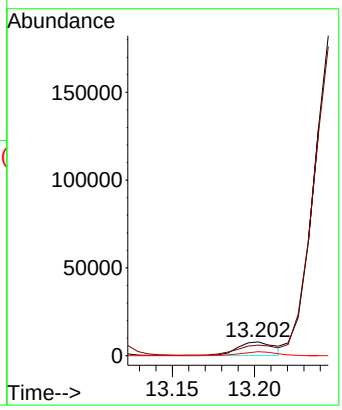





#83
tert-Butylbenzene
Concen: 1.937 ug/l
RT: 13.202 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion:119 Resp: 1221

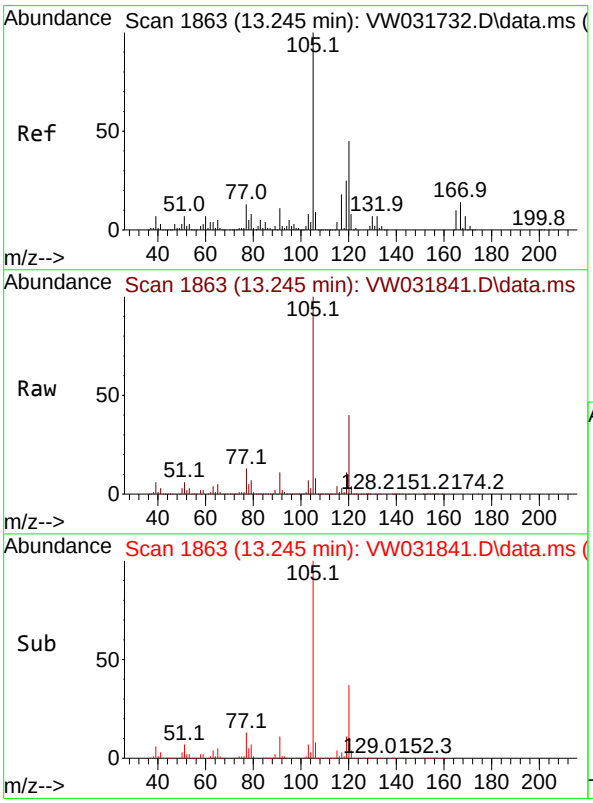
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 79.6 | 36.0 | 108.1 |
| 134 | 27.3 | 12.4 | 37.2 |




**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

**Manual Integrations**
**APPROVED**

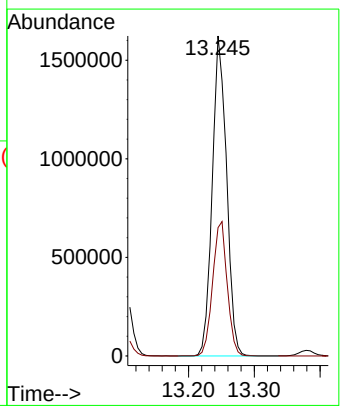
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

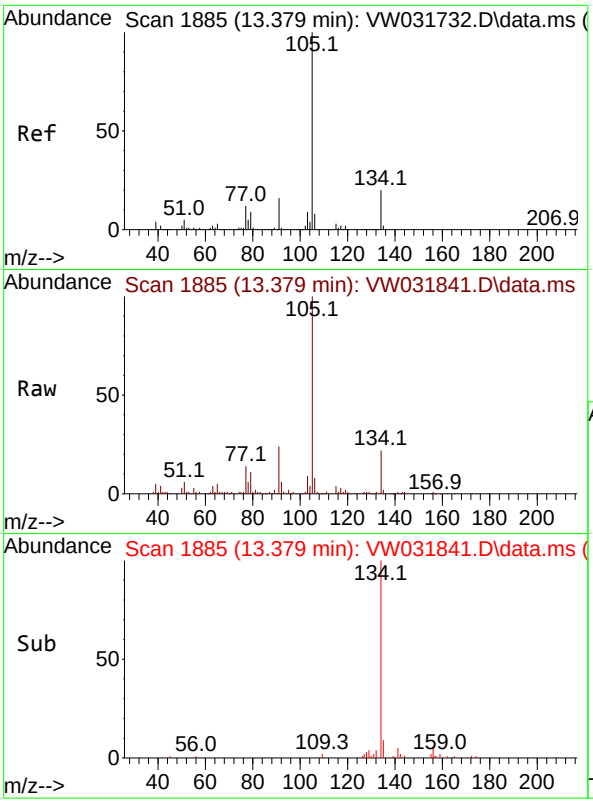



#84
1,2,4-Trimethylbenzene
Concen: 328.905 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion:105 Resp: 2453174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.8 | 22.1 | 66.1 |

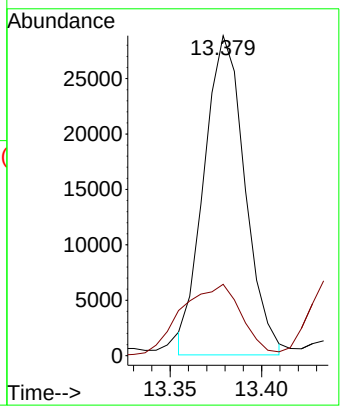





#85
sec-Butylbenzene
Concen: 4.727 ug/l m
RT: 13.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion:105 Resp: 4473

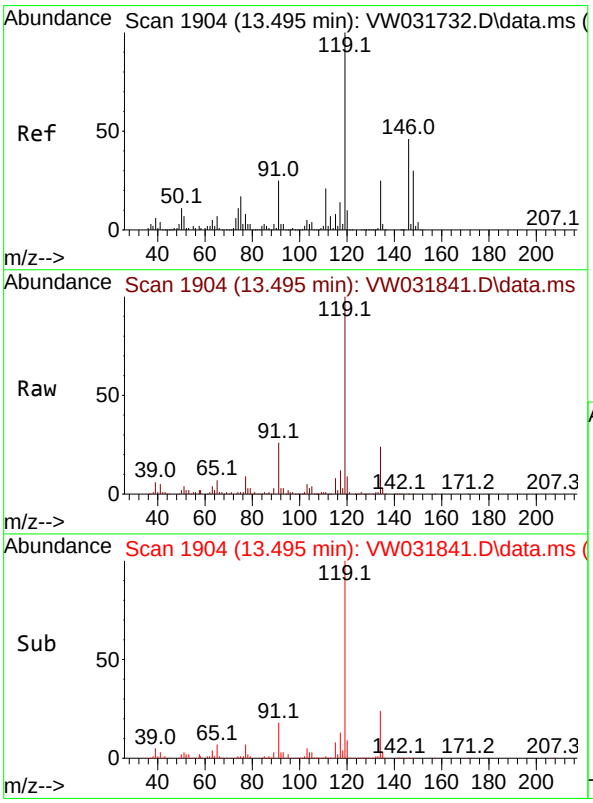
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 0.0 | 9.6 | 28.8 |




**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

**Manual Integrations**
**APPROVED**

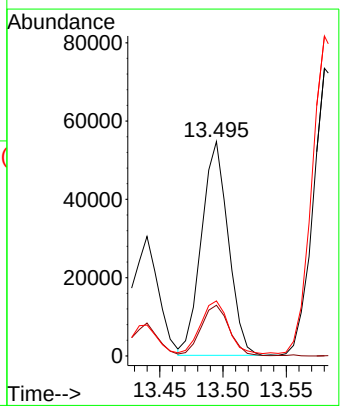
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

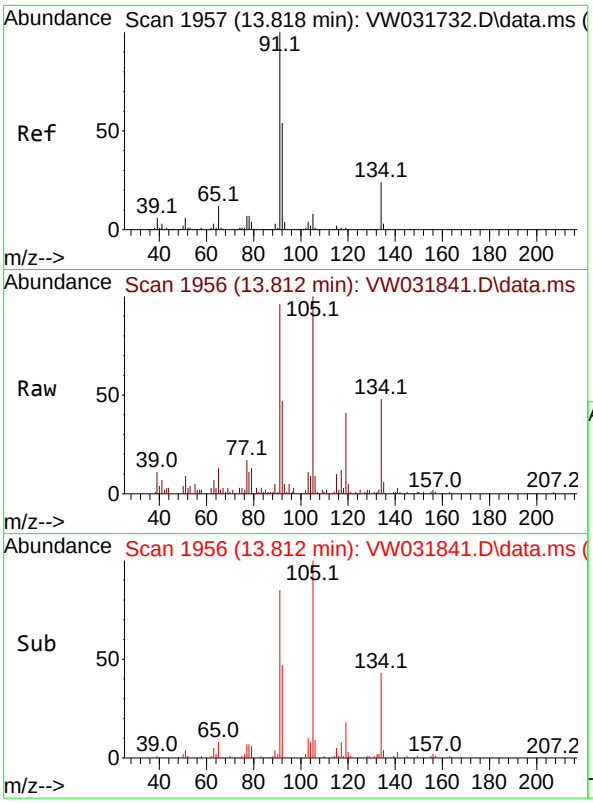



#86
p-Isopropyltoluene
Concen: 10.333 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion:119 Resp: 80598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 24.7 | 12.9 | 38.7 |
| 91 | 25.0 | 12.7 | 38.0 |

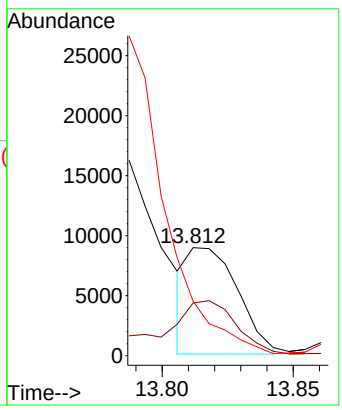





#89
n-Butylbenzene
Concen: 1.565 ug/l m
RT: 13.812 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion: 91 Resp: 1186

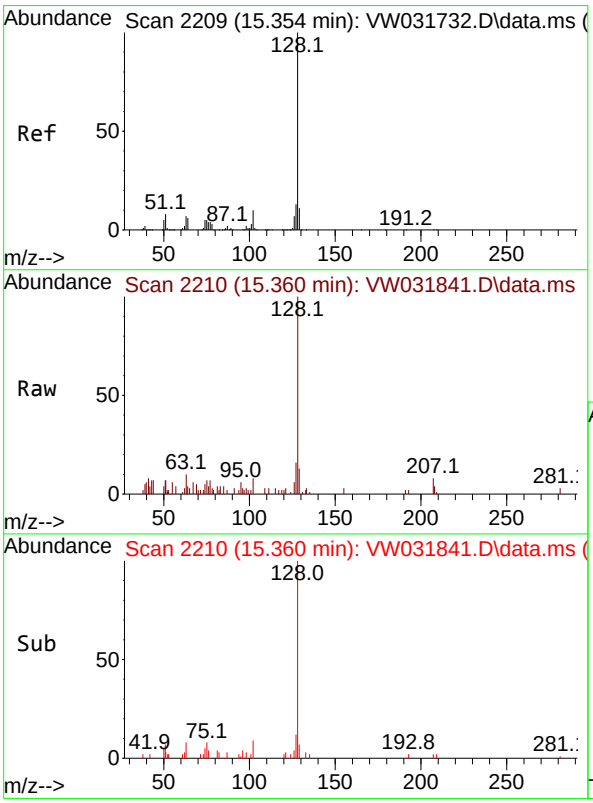
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 5.1 | 27.2 | 81.5# |
| 134 | 48.7 | 12.2 | 36.6# |




**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

**Manual Integrations**
**APPROVED**

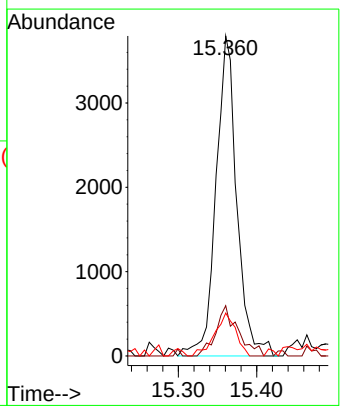
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025




#95
Naphthalene
Concen: 1.280 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion:128 Resp: 7035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 16.6 | 10.8 | 16.2# |
| 129 | 13.5 | 8.7 | 13.1# |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

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\82W063025S.M
Title : SW846 8260

Signal : TIC: VW031841.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.082 | 186 | 196 | 217 | rBV | 638235 | 1862571 | 4.92% | 0.890% |
| 2 | 3.436 | 246 | 254 | 274 | rVB | 174313 | 492296 | 1.30% | 0.235% |
| 3 | 4.161 | 357 | 373 | 396 | rVB4 | 114422 | 457656 | 1.21% | 0.219% |
| 4 | 4.996 | 485 | 510 | 544 | rBV2 | 1364216 | 7994883 | 21.10% | 3.821% |
| 5 | 5.478 | 571 | 589 | 620 | rBV | 2255204 | 8772267 | 23.15% | 4.192% |
| 6 | 5.972 | 658 | 670 | 692 | rVB | 901001 | 2758676 | 7.28% | 1.318% |
| 7 | 6.752 | 785 | 798 | 812 | rBV4 | 144343 | 510441 | 1.35% | 0.244% |
| 8 | 6.905 | 812 | 823 | 829 | rVV | 220479 | 714514 | 1.89% | 0.341% |
| 9 | 7.008 | 829 | 840 | 862 | rVV | 6155614 | 19538746 | 51.56% | 9.337% |
| 10 | 7.715 | 949 | 956 | 974 | rVB | 189797 | 548975 | 1.45% | 0.262% |
| 11 | 7.971 | 974 | 998 | 1006 | rBV2 | 4868700 | 15242671 | 40.23% | 7.284% |
| 12 | 8.051 | 1006 | 1011 | 1022 | rVB | 925542 | 2456615 | 6.48% | 1.174% |
| 13 | 8.173 | 1022 | 1031 | 1036 | rBV | 1031807 | 2477274 | 6.54% | 1.184% |
| 14 | 8.240 | 1036 | 1042 | 1051 | rVV | 1252230 | 3292902 | 8.69% | 1.574% |
| 15 | 8.325 | 1051 | 1056 | 1066 | rVB | 165187 | 396554 | 1.05% | 0.190% |
| 16 | 8.447 | 1066 | 1076 | 1082 | rBV | 4682995 | 11209604 | 29.58% | 5.357% |
| 17 | 8.520 | 1082 | 1088 | 1093 | rVV | 4549970 | 10258643 | 27.07% | 4.903% |
| 18 | 8.587 | 1093 | 1099 | 1110 | rVB | 5591392 | 13152341 | 34.71% | 6.285% |
| 19 | 8.703 | 1110 | 1118 | 1130 | rVB | 734870 | 1571858 | 4.15% | 0.751% |
| 20 | 8.849 | 1132 | 1142 | 1147 | rBV2 | 1192499 | 2847016 | 7.51% | 1.361% |
| 21 | 8.892 | 1147 | 1149 | 1155 | rVB | 505571 | 765255 | 2.02% | 0.366% |
| 22 | 9.124 | 1183 | 1187 | 1206 | rVB | 295813 | 650160 | 1.72% | 0.311% |
| 23 | 9.343 | 1207 | 1223 | 1240 | rBV | 15075697 | 37893261 | 100.00% | 18.109% |
| 24 | 9.526 | 1240 | 1253 | 1260 | rBV | 2389295 | 4538656 | 11.98% | 2.169% |
| 25 | 9.617 | 1260 | 1268 | 1275 | rVB | 597080 | 1186998 | 3.13% | 0.567% |
| 26 | 9.758 | 1281 | 1291 | 1300 | rVB3 | 1024318 | 2329723 | 6.15% | 1.113% |
| 27 | 9.855 | 1300 | 1307 | 1313 | rBV | 2149956 | 4103670 | 10.83% | 1.961% |
| 28 | 9.910 | 1313 | 1316 | 1321 | rVV3 | 328583 | 567522 | 1.50% | 0.271% |
| 29 | 10.087 | 1339 | 1345 | 1358 | rBV3 | 397844 | 910130 | 2.40% | 0.435% |
| 30 | 10.209 | 1358 | 1365 | 1370 | rBV | 991870 | 1907579 | 5.03% | 0.912% |
| 31 | 10.325 | 1377 | 1384 | 1389 | rBV2 | 1944063 | 3941674 | 10.40% | 1.884% |
| 32 | 10.508 | 1407 | 1414 | 1423 | rVB4 | 905675 | 2704646 | 7.14% | 1.293% |
| 33 | 10.666 | 1435 | 1440 | 1447 | rVB | 1056199 | 1842497 | 4.86% | 0.881% |
| 34 | 10.751 | 1447 | 1454 | 1463 | rVB4 | 1010317 | 2610418 | 6.89% | 1.247% |
| 35 | 11.014 | 1487 | 1497 | 1501 | rBV4 | 248138 | 545041 | 1.44% | 0.260% |
| 36 | 11.062 | 1501 | 1505 | 1508 | rVV | 270877 | 456792 | 1.21% | 0.218% |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

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\82W063025S.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 11.099 | 1508 | 1511 | 1514 | rVV2 | 230299 | 391149 | 1.03% | 0.187% |
| 38 | 11.142 | 1514 | 1518 | 1521 | rVV2 | 507350 | 932823 | 2.46% | 0.446% |
| 39 | 11.178 | 1521 | 1524 | 1529 | rVV | 570754 | 955545 | 2.52% | 0.457% |
| 40 | 11.233 | 1529 | 1533 | 1538 | rVB | 240198 | 388633 | 1.03% | 0.186% |
| 41 | 11.635 | 1592 | 1599 | 1604 | rBV2 | 679946 | 1205465 | 3.18% | 0.576% |
| 42 | 11.727 | 1609 | 1614 | 1624 | rVB2 | 643184 | 1192654 | 3.15% | 0.570% |
| 43 | 11.837 | 1624 | 1632 | 1638 | rBV | 1971996 | 3895732 | 10.28% | 1.862% |
| 44 | 12.166 | 1675 | 1686 | 1703 | rVB | 391486 | 837355 | 2.21% | 0.400% |
| 45 | 12.464 | 1729 | 1735 | 1740 | rBV | 764825 | 1224571 | 3.23% | 0.585% |
| 46 | 12.617 | 1754 | 1760 | 1768 | rBV2 | 382108 | 644372 | 1.70% | 0.308% |
| 47 | 12.800 | 1780 | 1790 | 1795 | rBV | 1277992 | 1990088 | 5.25% | 0.951% |
| 48 | 12.861 | 1795 | 1800 | 1803 | rVV | 925635 | 1561119 | 4.12% | 0.746% |
| 49 | 12.897 | 1803 | 1806 | 1809 | rVV | 1198670 | 1773240 | 4.68% | 0.847% |
| 50 | 12.940 | 1809 | 1813 | 1823 | rVB | 1698012 | 2643114 | 6.98% | 1.263% |
| 51 | 13.099 | 1833 | 1839 | 1848 | rVB | 1002816 | 1630519 | 4.30% | 0.779% |
| 52 | 13.245 | 1857 | 1863 | 1877 | rVB | 4411448 | 6828841 | 18.02% | 3.263% |
| 53 | 13.580 | 1908 | 1918 | 1925 | rVB2 | 2200490 | 4109518 | 10.84% | 1.964% |
| 54 | 13.757 | 1942 | 1947 | 1962 | rVB2 | 1139537 | 2348380 | 6.20% | 1.122% |
| 55 | 14.202 | 2015 | 2020 | 2027 | rVB2 | 495571 | 789512 | 2.08% | 0.377% |
| 56 | 14.799 | 2110 | 2118 | 2125 | rBV2 | 203166 | 398826 | 1.05% | 0.191% |

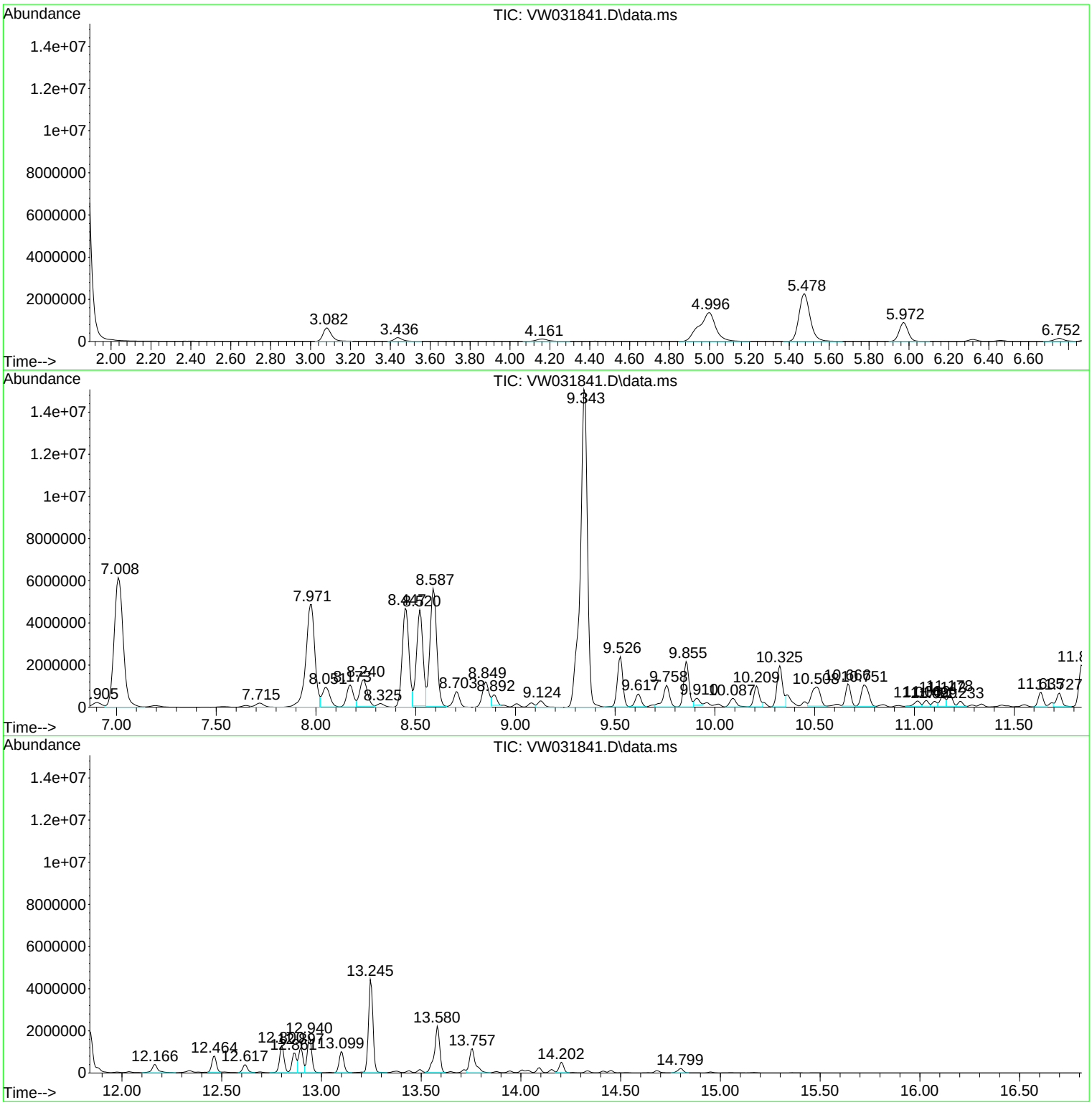
Sum of corrected areas: 209251981

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

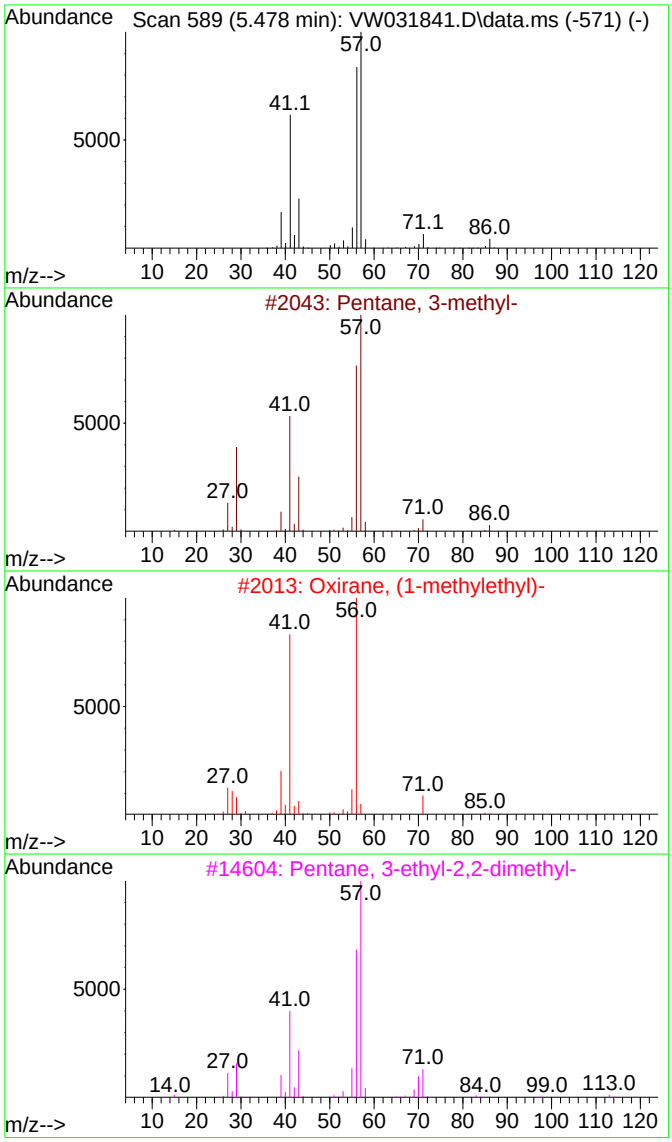
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TIC Integration Parameters: LSCINT.P

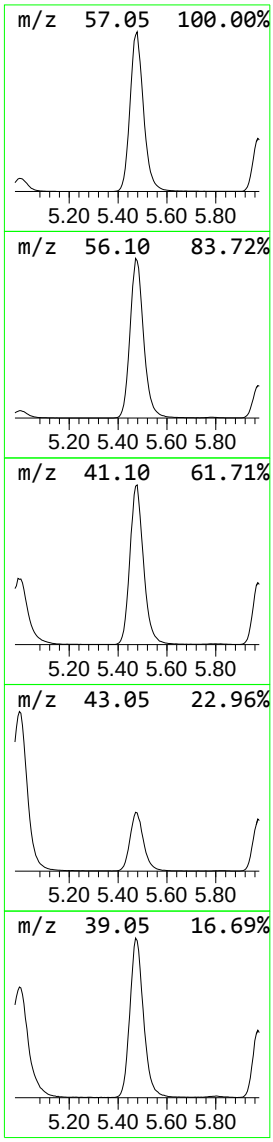
**********

Peak Number 1 Pentane, 3-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.478 | 28.78 ug/l | 8772270 | Pentafluorobenzene | 7.965 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 3-methyl- | 86 | C6H14 | 000096-14-0 | 91 |
| 2 | Oxirane, (1-methylethyl)- | 86 | C5H10O | 001438-14-8 | 64 |
| 3 | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20 | 016747-32-3 | 43 |
| 4 | Hexane, 2,2,3-trimethyl- | 128 | C9H20 | 016747-25-4 | 43 |
| 5 | Sulphuric acid dibutyl ester | 210 | C8H18O4S | 000625-22-9 | 40 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

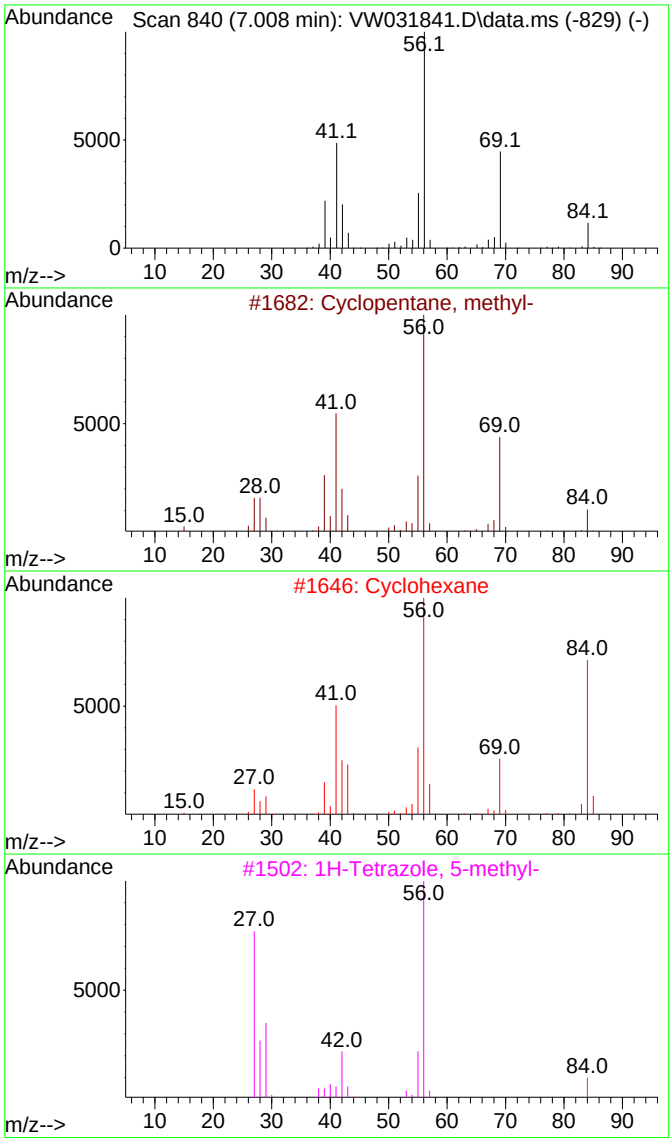
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

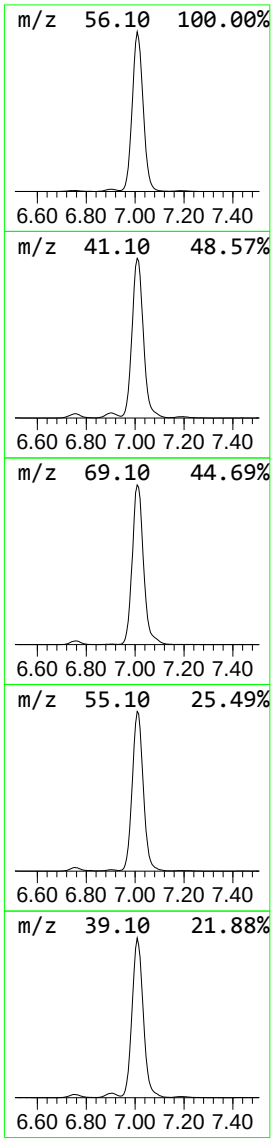
**********

Peak Number 2 Cyclopentane, methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.008 | 64.09 ug/l | 19538700 | Pentafluorobenzene | 7.965 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, methyl- | 84 | C6H12 | 000096-37-7 | 94 |
| 2 | Cyclohexane | 84 | C6H12 | 000110-82-7 | 78 |
| 3 | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4 | 004076-36-2 | 72 |
| 4 | Cyclobutane, ethyl- | 84 | C6H12 | 004806-61-5 | 72 |
| 5 | 1-Pentene, 2-methyl- | 84 | C6H12 | 000763-29-1 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

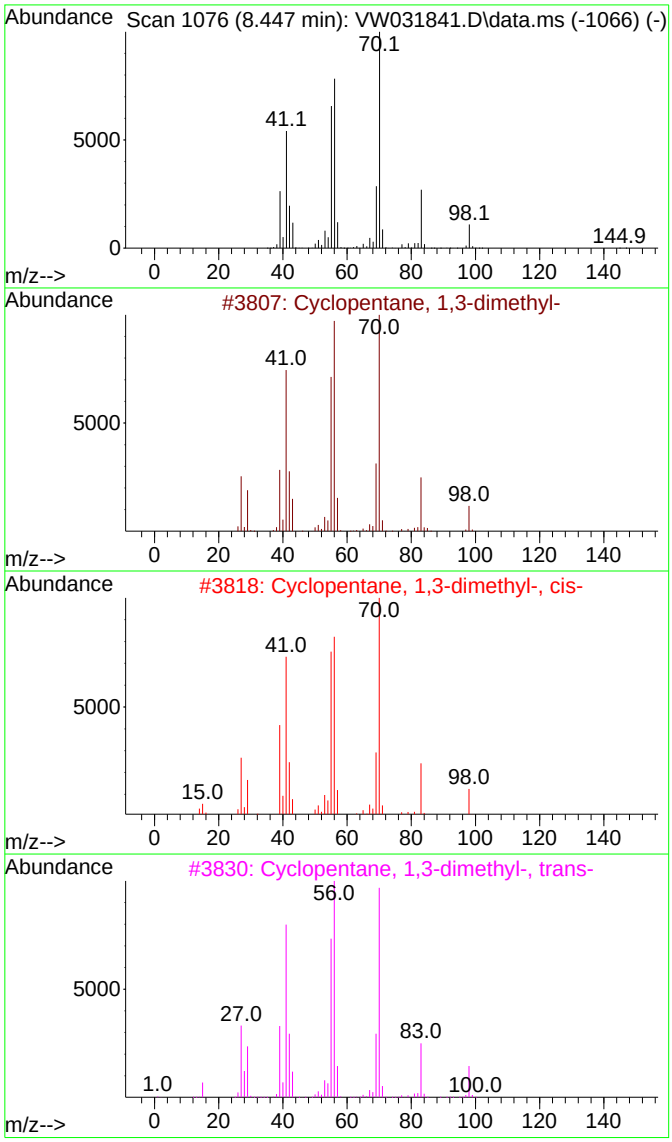
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

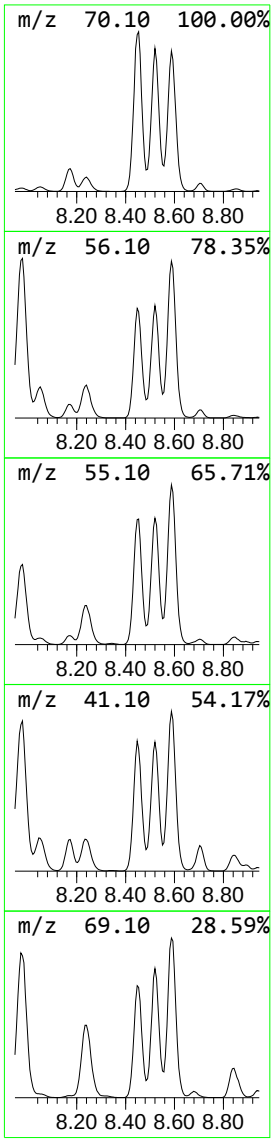
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Cyclopentane, 1,3-dimethyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.447 | 196.87 ug/l | 11209600 | 1,4-Difluorobenzene | 8.855 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,3-dimethyl- | 98 | C7H14 | 002453-00-1 | 94 |
| 2 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 94 |
| 3 | Cyclopentane, 1,3-dimethyl-, trans- | 98 | C7H14 | 001759-58-6 | 94 |
| 4 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 91 |
| 5 | Cyclobutanone, 2,2-dimethyl- | 98 | C6H10O | 001192-14-9 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

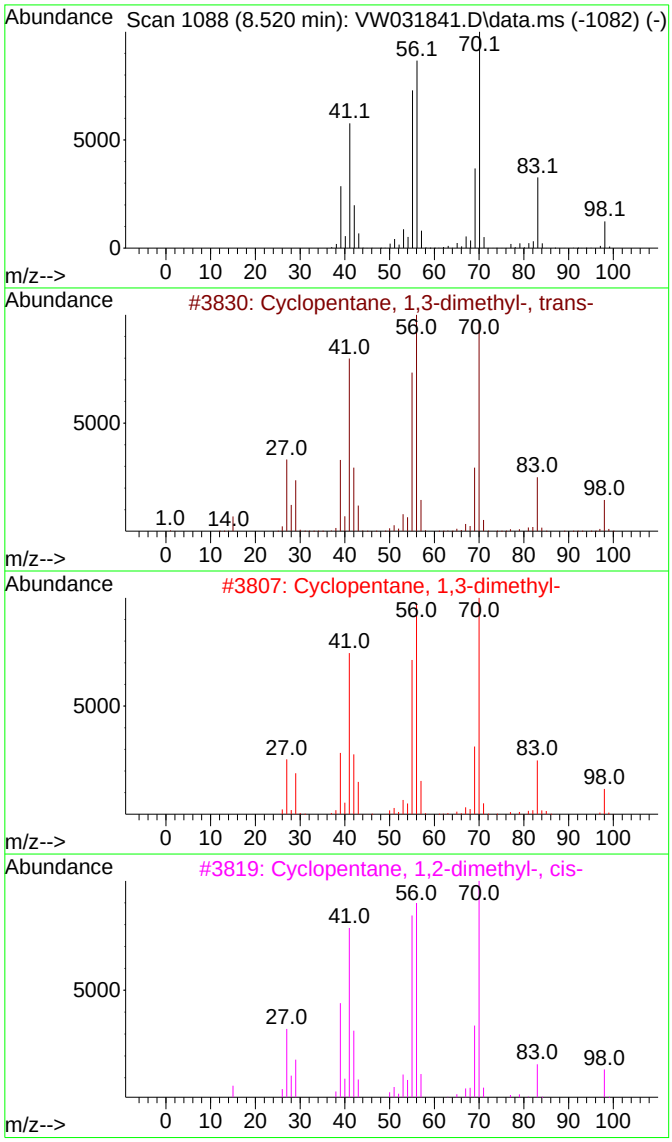
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

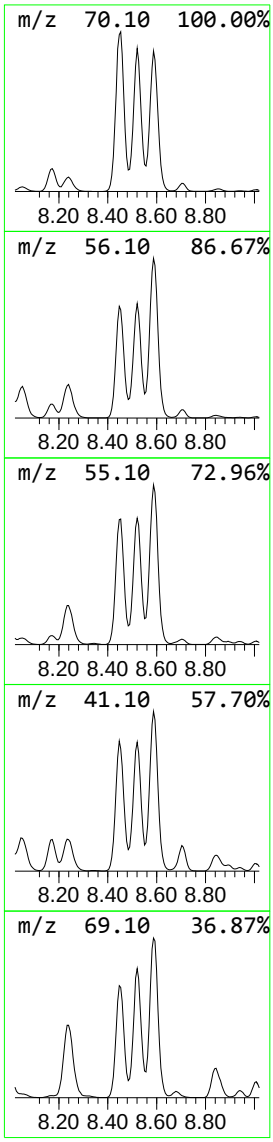
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Cyclopentane, 1,3-dimethyl-... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.520 | 180.16 ug/l | 10258600 | 1,4-Difluorobenzene | 8.855 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,3-dimethyl-, trans- | 98 | C7H14 | 001759-58-6 | 91 |
| 2 | Cyclopentane, 1,3-dimethyl- | 98 | C7H14 | 002453-00-1 | 91 |
| 3 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 90 |
| 4 | Cyclopentane, 1,3-dimethyl-, cis- | 98 | C7H14 | 002532-58-3 | 76 |
| 5 | 1-Hexene, 5-methyl- | 98 | C7H14 | 003524-73-0 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

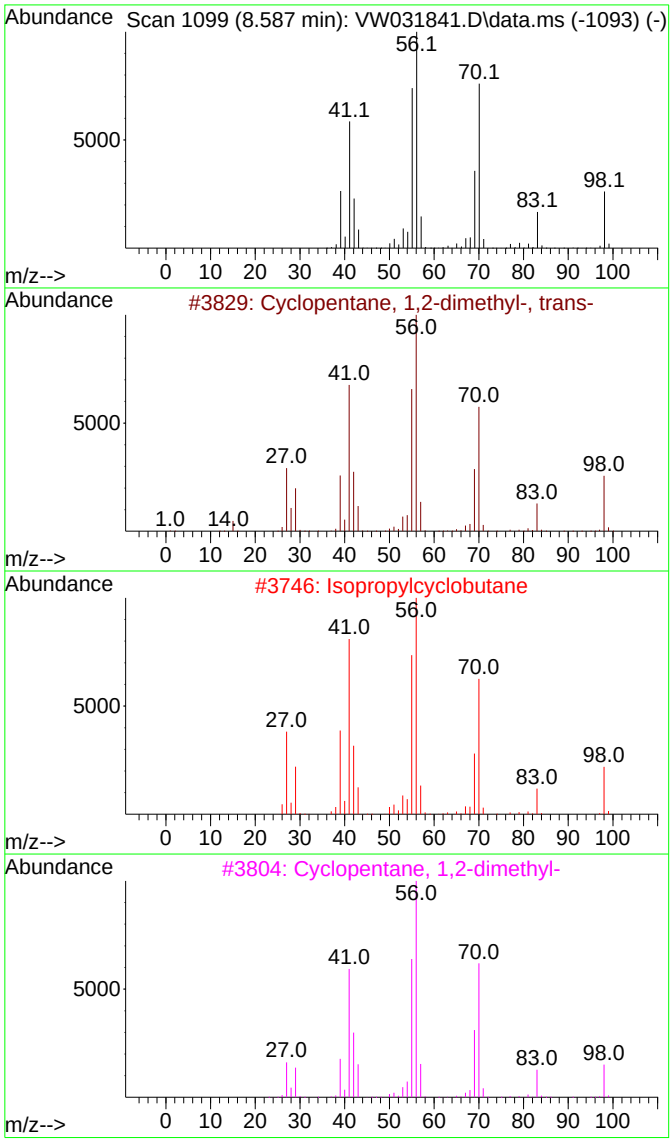
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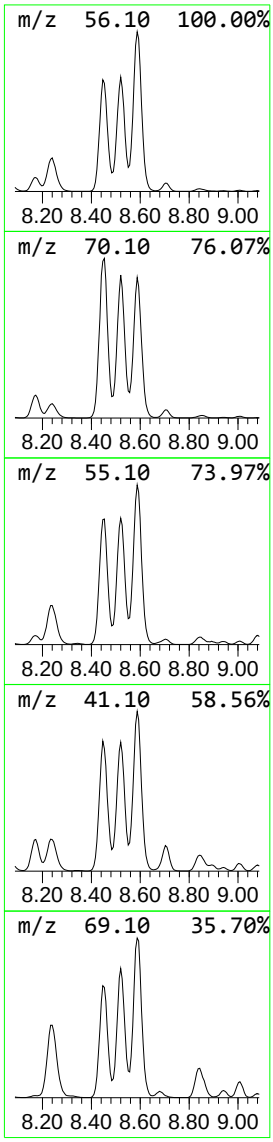
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TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Cyclopentane, 1,2-dimethyl-... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.587 | 230.99 ug/l | 13152300 | 1,4-Difluorobenzene | 8.855 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2-dimethyl-, trans- | 98 | C7H14 | 000822-50-4 | 94 |
| 2 | Isopropylcyclobutane | 98 | C7H14 | 000872-56-0 | 94 |
| 3 | Cyclopentane, 1,2-dimethyl- | 98 | C7H14 | 002452-99-5 | 91 |
| 4 | Cyclopentane, 1,2-dimethyl-, cis- | 98 | C7H14 | 001192-18-3 | 83 |
| 5 | Cyclopentane, 1,3-dimethyl- | 98 | C7H14 | 002453-00-1 | 80 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

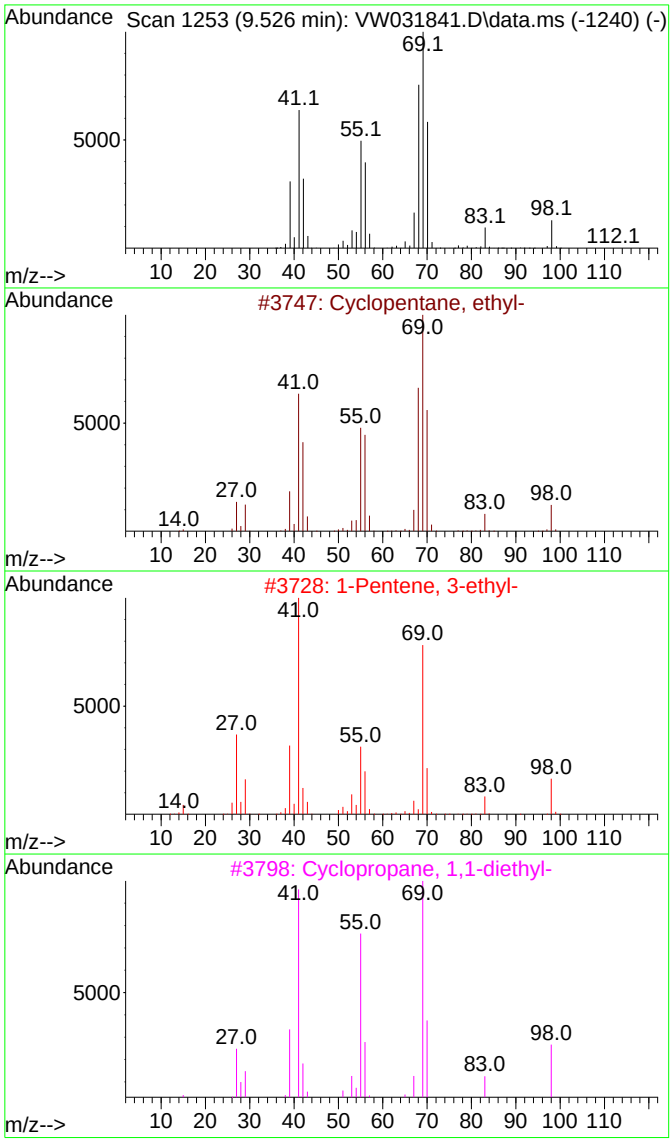
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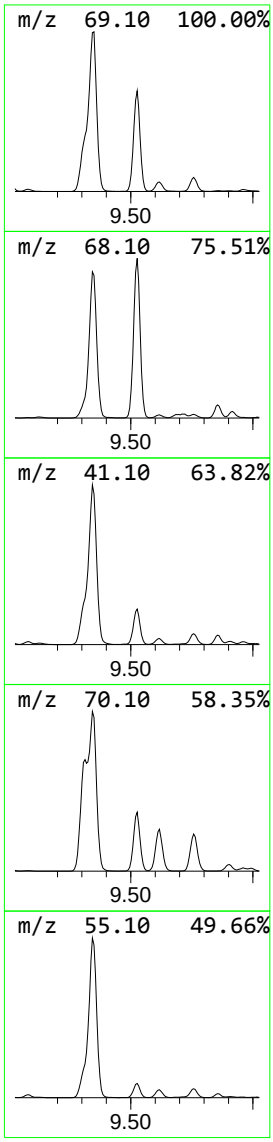
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Peak Number 6 Cyclopentane, ethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.526 | 79.71 ug/l | 4538660 | 1,4-Difluorobenzene | 8.855 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, ethyl- | 98 | C7H14 | 001640-89-7 | 96 |
| 2 | 1-Pentene, 3-ethyl- | 98 | C7H14 | 004038-04-4 | 46 |
| 3 | Cyclopropane, 1,1-diethyl- | 98 | C7H14 | 001003-19-6 | 43 |
| 4 | 3-Methyl-2-hexene | 98 | C7H14 | 017618-77-8 | 43 |
| 5 | Cyclopentane, 1,3-dimethyl- | 98 | C7H14 | 002453-00-1 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

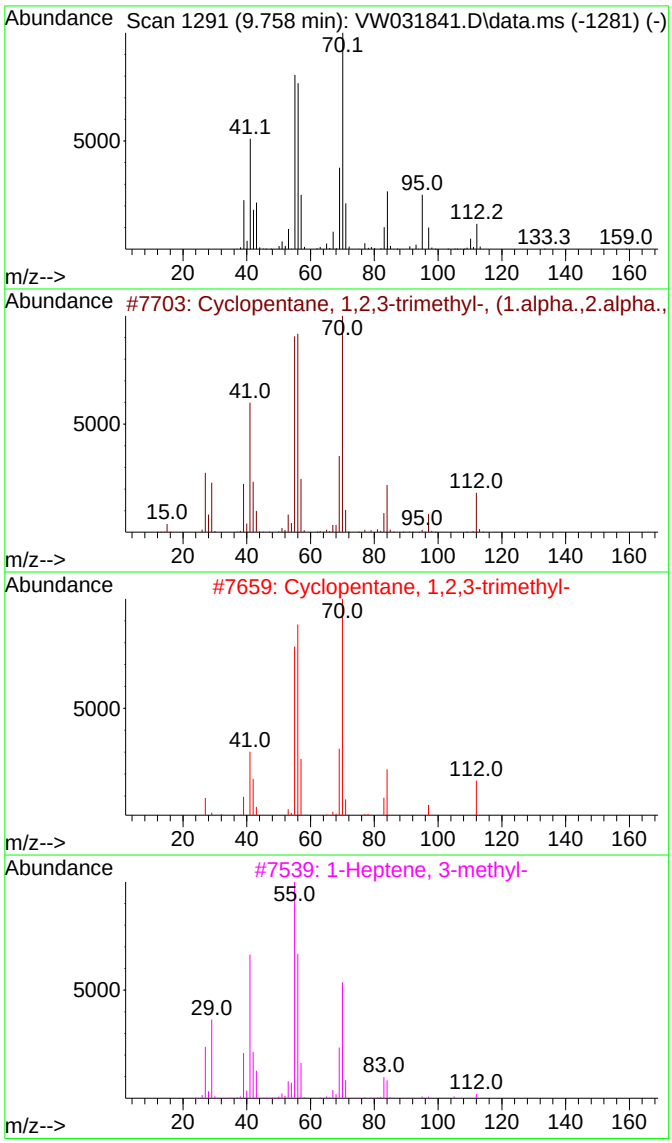
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Quant Title : SW846 8260

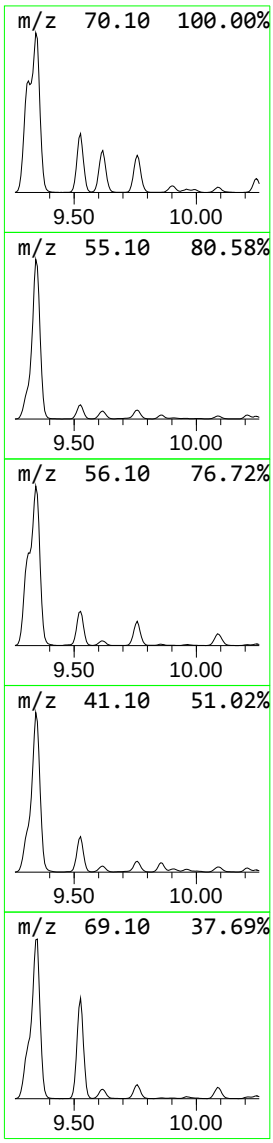
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Cyclopentane, 1,2,3-trimeth... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.758 | 40.92 ug/l | 2329720 | 1,4-Difluorobenzene | 8.855 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16 | 015890-40-1 | 93 |
| 2 | Cyclopentane, 1,2,3-trimethyl- | 112 | C8H16 | 002815-57-8 | 87 |
| 3 | 1-Heptene, 3-methyl- | 112 | C8H16 | 004810-09-7 | 76 |
| 4 | Cyclopentane, 1,2,3-trimethyl-, ... | 112 | C8H16 | 002613-69-6 | 49 |
| 5 | 2-Hexene, 3,5-dimethyl- | 112 | C8H16 | 003404-79-3 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

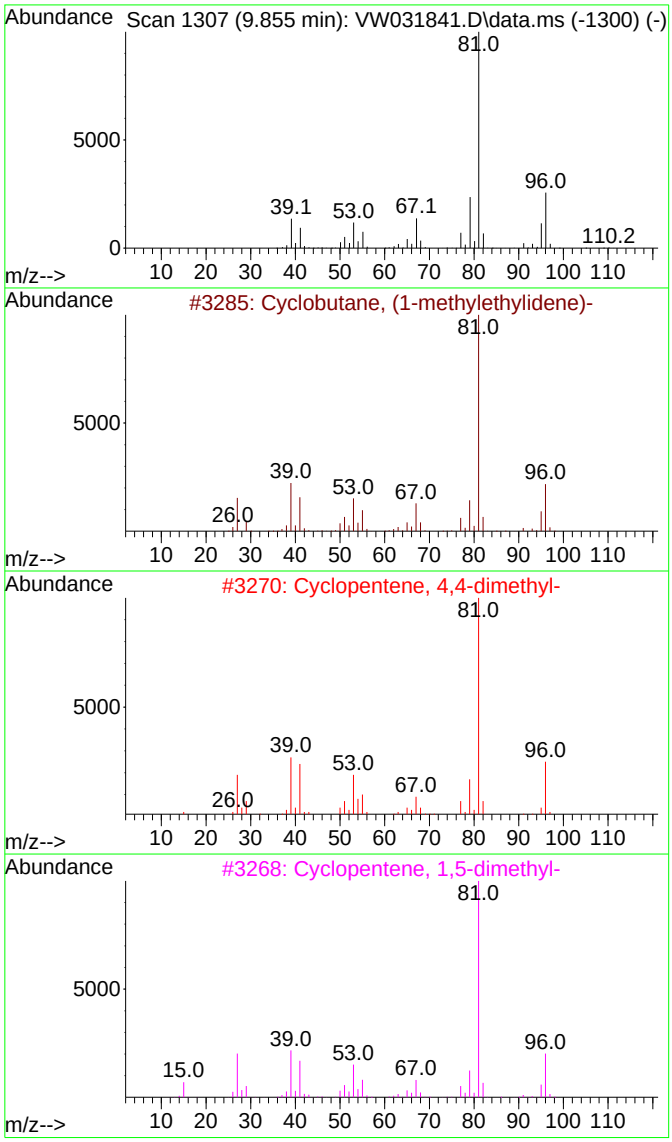
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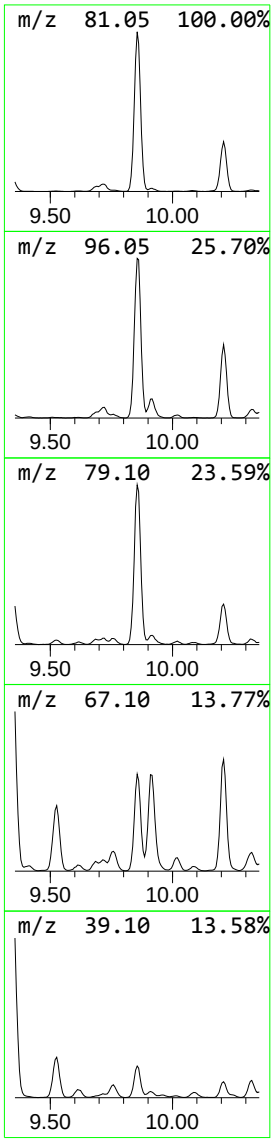
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 Cyclobutane, (1-methylethyl... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.855 | 72.07 ug/l | 4103670 | 1,4-Difluorobenzene | 8.855 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclobutane, (1-methylethylidene)- | 96 | C7H12 | 001528-22-9 | 90 |
| 2 | Cyclopentene, 4,4-dimethyl- | 96 | C7H12 | 019037-72-0 | 90 |
| 3 | Cyclopentene, 1,5-dimethyl- | 96 | C7H12 | 016491-15-9 | 87 |
| 4 | Cyclopropane, 1-methyl-1-isoprop... | 96 | C7H12 | 003422-07-9 | 86 |
| 5 | 2,4-Heptadiene, (E,E)- | 96 | C7H12 | 002384-94-3 | 78 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

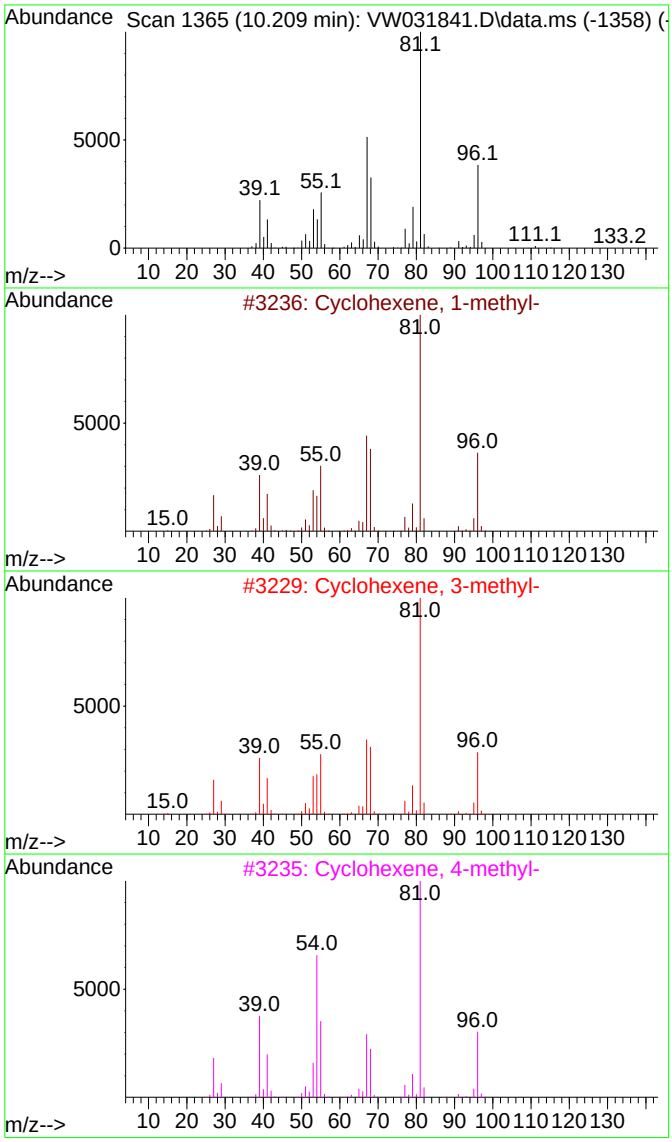
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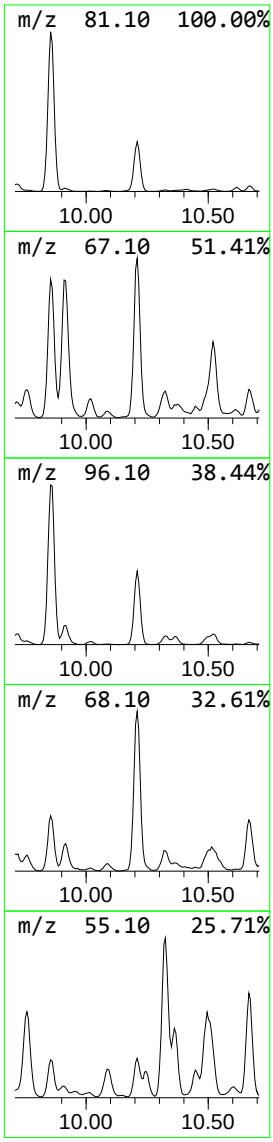
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Peak Number 9 Cyclohexene, 1-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.209 | 33.50 ug/l | 1907580 | 1,4-Difluorobenzene | 8.855 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexene, 1-methyl- | 96 | C7H12 | 000591-49-1 | 95 |
| 2 | Cyclohexene, 3-methyl- | 96 | C7H12 | 000591-48-0 | 94 |
| 3 | Cyclohexene, 4-methyl- | 96 | C7H12 | 000591-47-9 | 81 |
| 4 | 1,4-Hexadiene, 2-methyl- | 96 | C7H12 | 001119-14-8 | 68 |
| 5 | Cyclohexane, methylene- | 96 | C7H12 | 001192-37-6 | 60 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

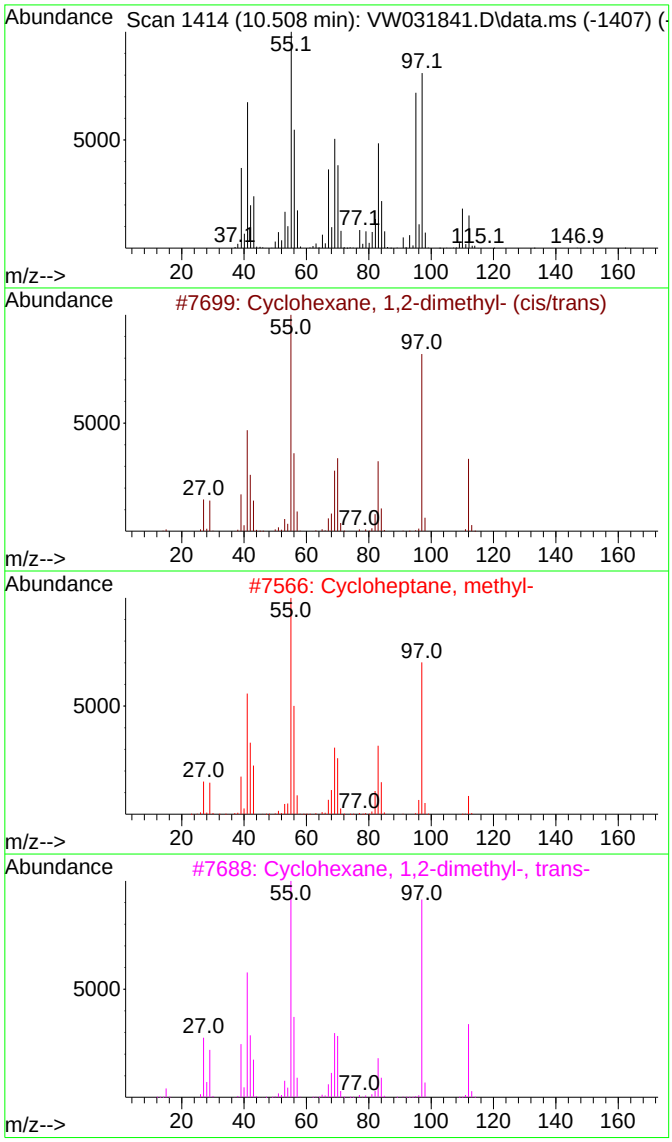
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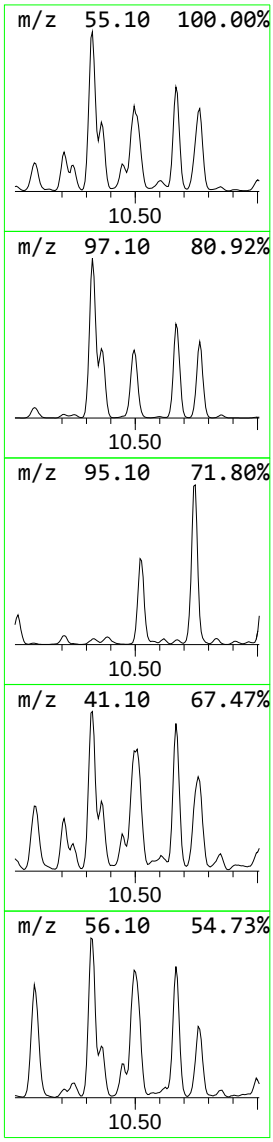
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Cyclohexane, 1,2-dimethyl- ... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.508 | 112.18 ug/l | 2704650 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,2-dimethyl- (cis/... | 112 | C8H16 | 000583-57-3 | 64 |
| 2 | Cycloheptane, methyl- | 112 | C8H16 | 004126-78-7 | 62 |
| 3 | Cyclohexane, 1,2-dimethyl-, trans- | 112 | C8H16 | 006876-23-9 | 58 |
| 4 | Cyclohexane, 1,4-dimethyl-, trans- | 112 | C8H16 | 002207-04-7 | 38 |
| 5 | Cyclohexane, 1,4-dimethyl-, cis- | 112 | C8H16 | 000624-29-3 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

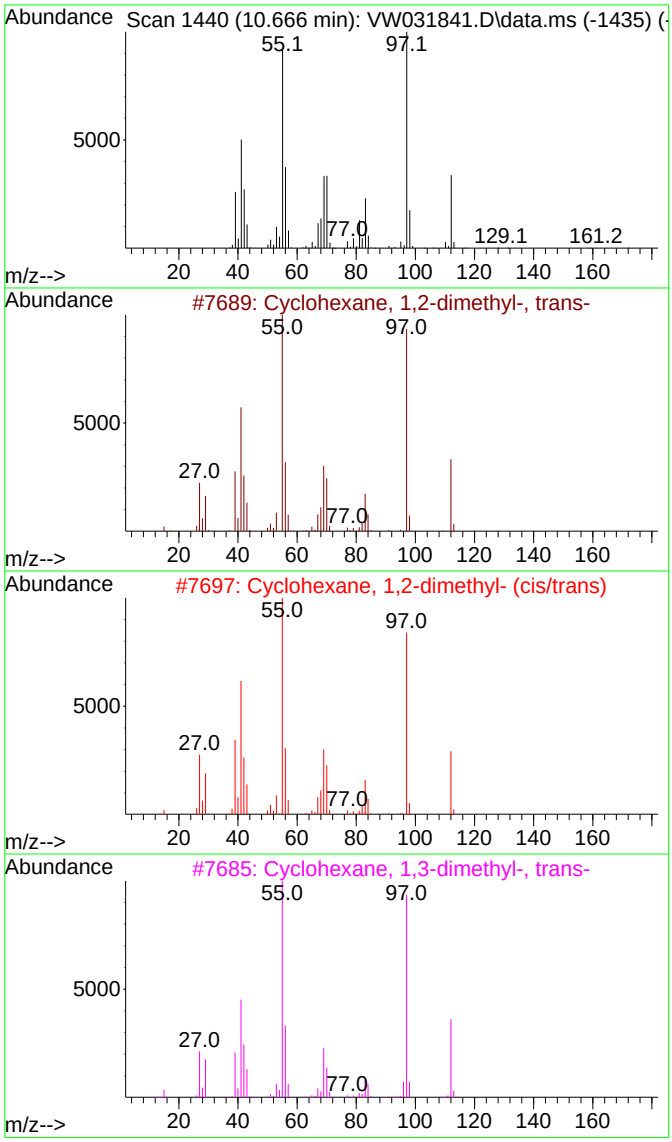
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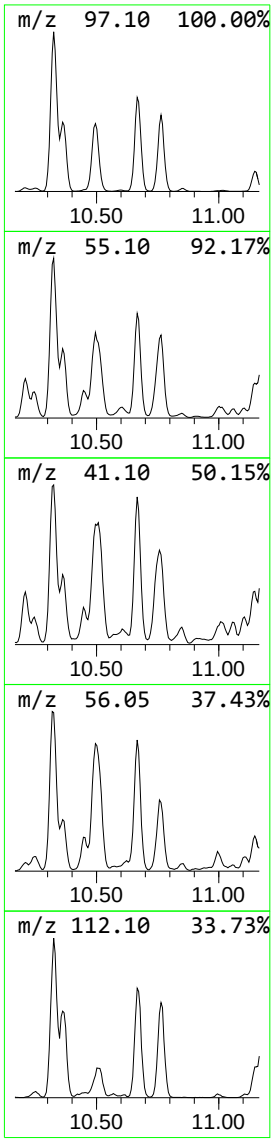
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.666 | 76.42 ug/l | 1842500 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,2-dimethyl-, trans- | 112 | C8H16 | 006876-23-9 | 93 |
| 2 | Cyclohexane, 1,2-dimethyl- (cis/... | 112 | C8H16 | 000583-57-3 | 87 |
| 3 | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16 | 002207-03-6 | 72 |
| 4 | Cyclohexane, 1,4-dimethyl- | 112 | C8H16 | 000589-90-2 | 64 |
| 5 | 1H-Pyrazole, 4,5-dihydro-3,5,5-t... | 112 | C6H12N2 | 003975-85-7 | 52 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
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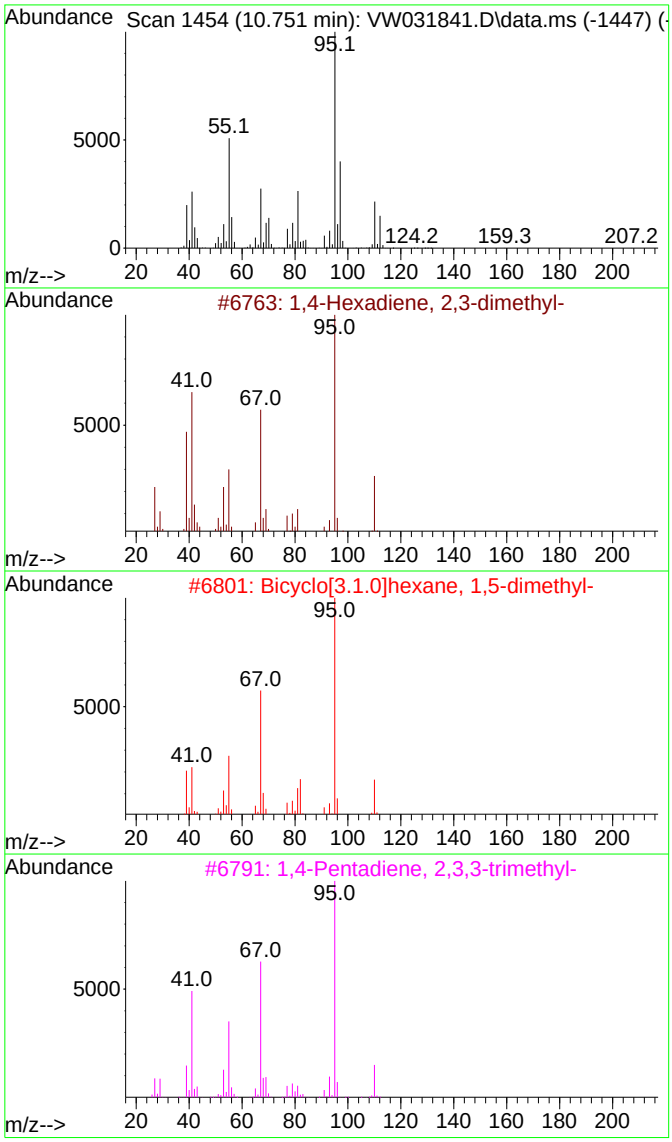
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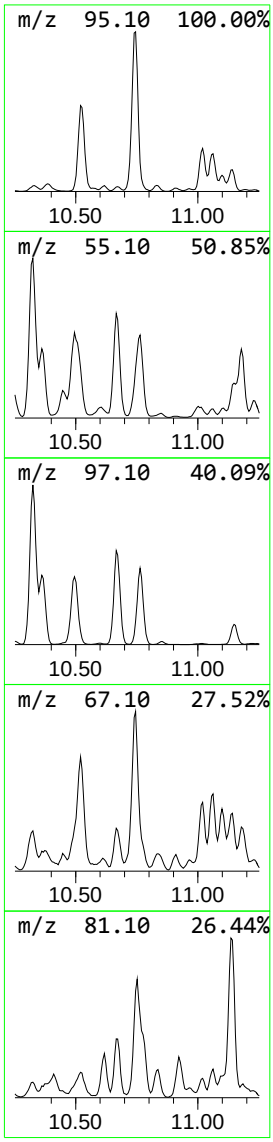
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 1,4-Hexadiene, 2,3-dimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.751 | 108.27 ug/l | 2610420 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4-Hexadiene, 2,3-dimethyl- | 110 | C8H14 | 018669-52-8 | 62 |
| 2 | Bicyclo[3.1.0]hexane, 1,5-dimethyl- | 110 | C8H14 | 1010142-17-5 | 55 |
| 3 | 1,4-Pentadiene, 2,3,3-trimethyl- | 110 | C8H14 | 000756-02-5 | 49 |
| 4 | 1,3-Dimethyl-1-cyclohexene | 110 | C8H14 | 002808-76-6 | 49 |
| 5 | Cyclopentene, 1,2,3-trimethyl- | 110 | C8H14 | 000473-91-6 | 49 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

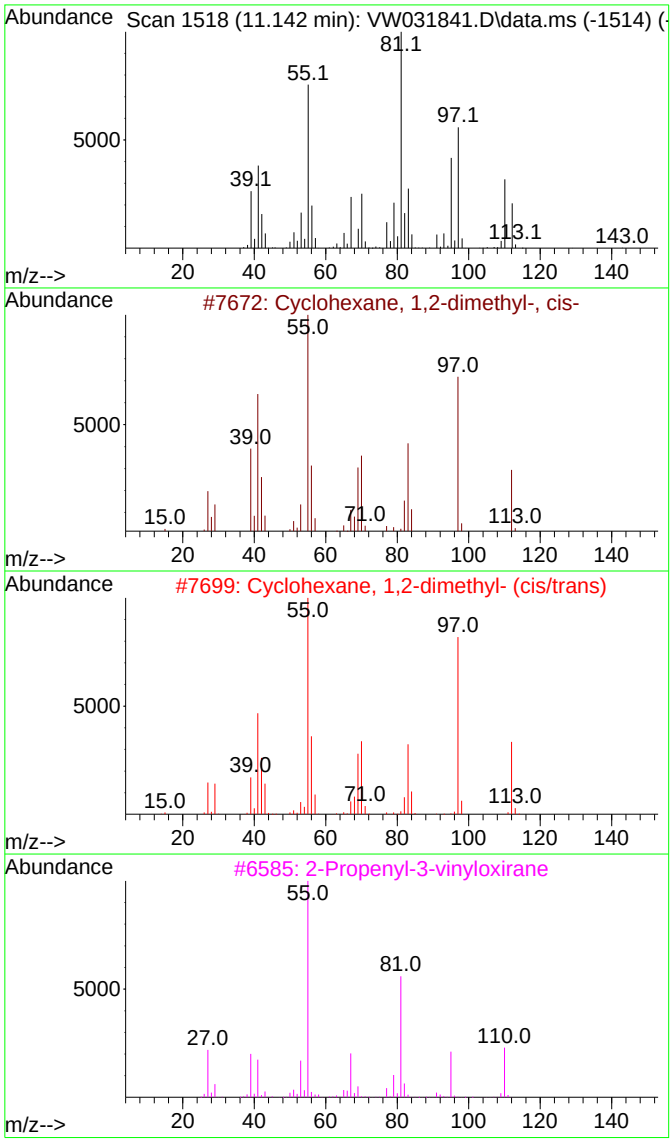
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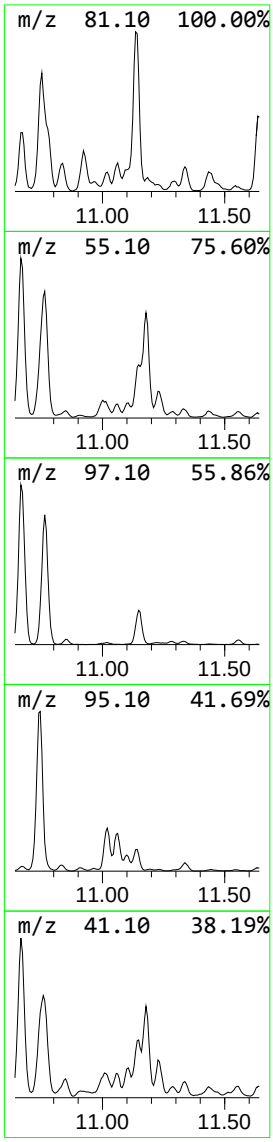
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TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.142 | 38.69 ug/l | 932823 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,2-dimethyl-, cis- | 112 | C8H16 | 002207-01-4 | 93 |
| 2 | Cyclohexane, 1,2-dimethyl- (cis/... | 112 | C8H16 | 000583-57-3 | 70 |
| 3 | 2-Propenyl-3-vinyloxirane | 110 | C7H10O | 070597-49-8 | 43 |
| 4 | Cyclohexene, 3-ethyl- | 110 | C8H14 | 002808-71-1 | 38 |
| 5 | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16 | 002207-03-6 | 35 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

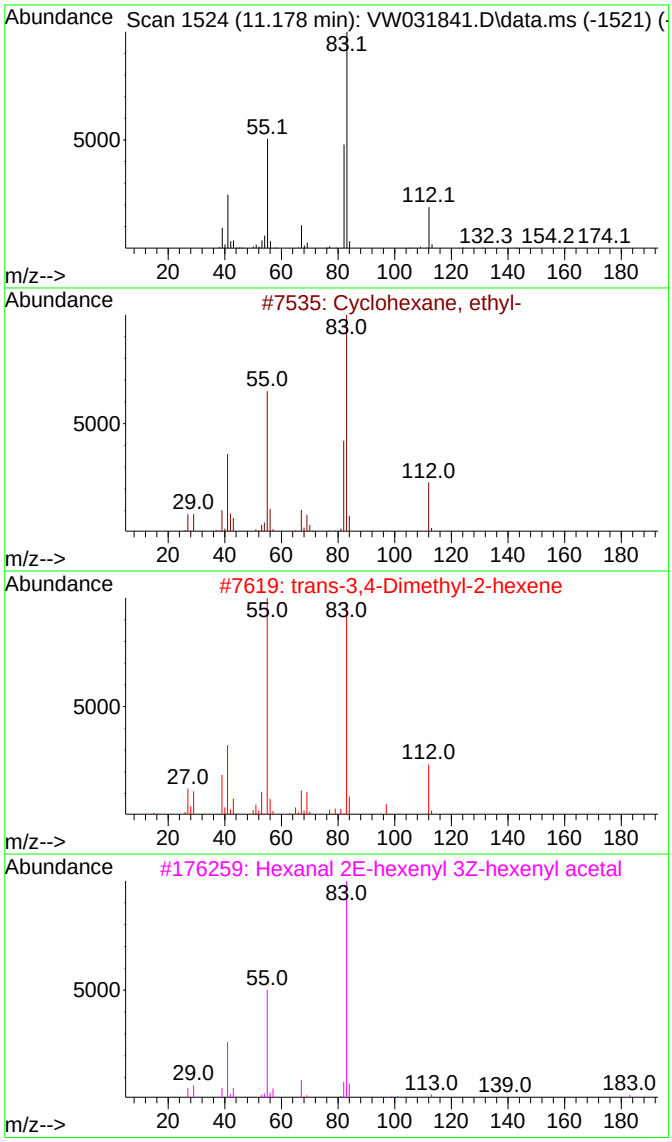
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TIC Integration Parameters: LSCINT.P

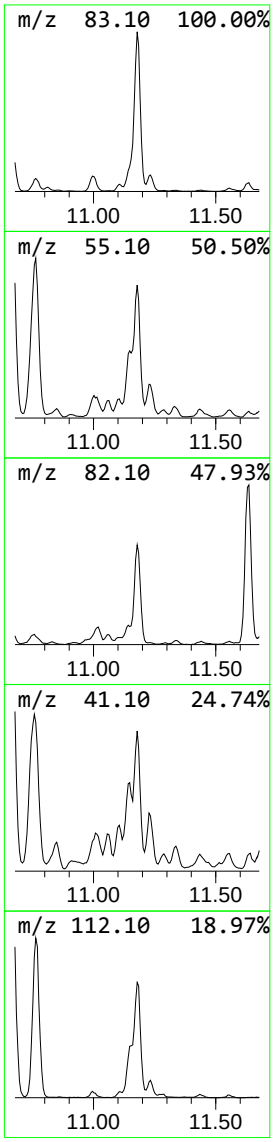
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Peak Number 14 Cyclohexane, ethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.178 | 39.63 ug/l | 955545 | Chlorobenzene-d5 | 11.629 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, ethyl- | 112 | C8H16 | 001678-91-7 | 90 |
| 2 | trans-3,4-Dimethyl-2-hexene | 112 | C8H16 | 019550-82-4 | 50 |
| 3 | Hexanal 2E-hexenyl 3Z-hexenyl ac... | 282 | C18H34O2 | 1000431-43-4 | 50 |
| 4 | Oxalic acid, cyclohexyl propyl e... | 214 | C11H18O4 | 1000309-30-3 | 50 |
| 5 | 4-Oxohex-2-enal | 112 | C6H8O2 | 020697-55-6 | 50 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

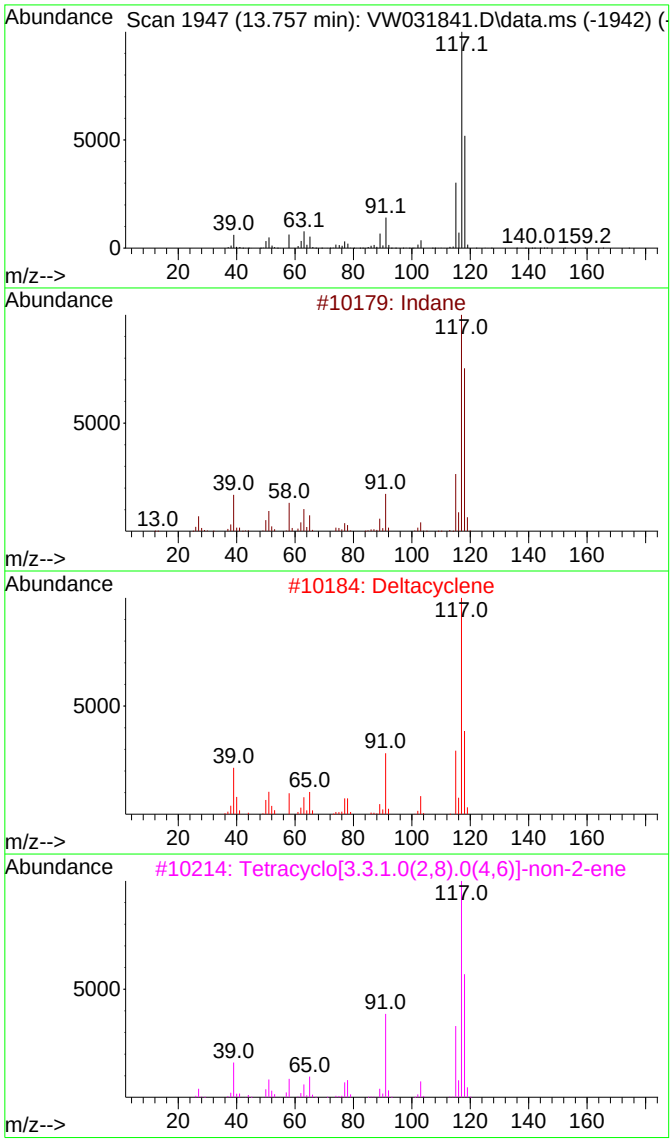
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

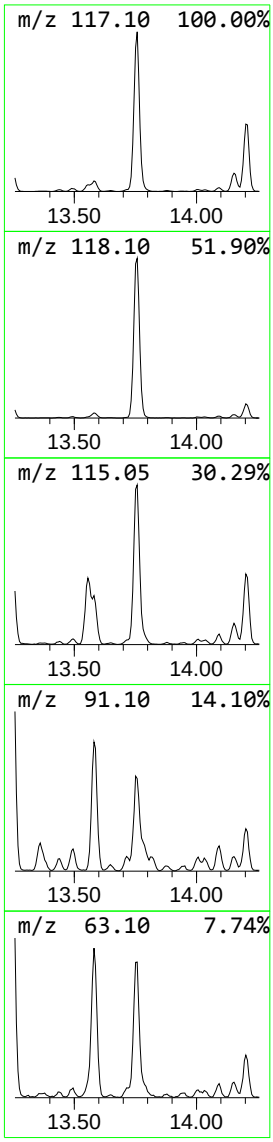
**********

Peak Number 15 Indane Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.757 | 28.57 ug/l | 2348380 | 1,4-Dichlorobenzene-d4 | 13.556 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 87 |
| 2 | Deltacyclene | 118 | C9H10 | 007785-10-6 | 64 |
| 3 | Tetracyclo[3.3.1.0(2,8).0(4,6)]-... | 118 | C9H10 | 1000191-13-7 | 64 |
| 4 | Benzene, 1,1'-(1,5-hexadiene-1,6... | 234 | C18H18 | 004439-45-6 | 59 |
| 5 | Benzaldehyde, 4-(1-phenyl-2-prop... | 238 | C16H14O2 | 1000277-56-1 | 53 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
GCAP3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.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 |
| Pentane, 3-methyl- | 5.478 | 28.8 | ug/l | 8772270 | 1 | 7.965 | 15242700 | 50.0 |
| Cyclopentane, m... | 7.008 | 64.1 | ug/l | 19538700 | 1 | 7.965 | 15242700 | 50.0 |
| Cyclopentane, 1... | 8.447 | 196.9 | ug/l | 11209600 | 2 | 8.855 | 2847020 | 50.0 |
| Cyclopentane, 1... | 8.520 | 180.2 | ug/l | 10258600 | 2 | 8.855 | 2847020 | 50.0 |
| Cyclopentane, 1... | 8.587 | 231.0 | ug/l | 13152300 | 2 | 8.855 | 2847020 | 50.0 |
| Cyclopentane, e... | 9.526 | 79.7 | ug/l | 4538660 | 2 | 8.855 | 2847020 | 50.0 |
| Cyclopentane, 1... | 9.758 | 40.9 | ug/l | 2329720 | 2 | 8.855 | 2847020 | 50.0 |
| Cyclobutane, (1... | 9.855 | 72.1 | ug/l | 4103670 | 2 | 8.855 | 2847020 | 50.0 |
| Cyclohexene, 1-... | 10.209 | 33.5 | ug/l | 1907580 | 2 | 8.855 | 2847020 | 50.0 |
| Cyclohexane, 1,... | 10.508 | 112.2 | ug/l | 2704650 | 3 | 11.629 | 1205470 | 50.0 |
| Cyclohexane, 1,... | 10.666 | 76.4 | ug/l | 1842500 | 3 | 11.629 | 1205470 | 50.0 |
| 1,4-Hexadiene, ... | 10.751 | 108.3 | ug/l | 2610420 | 3 | 11.629 | 1205470 | 50.0 |
| Cyclohexane, 1,... | 11.142 | 38.7 | ug/l | 932823 | 3 | 11.629 | 1205470 | 50.0 |
| Cyclohexane, et... | 11.178 | 39.6 | ug/l | 955545 | 3 | 11.629 | 1205470 | 50.0 |
| Indane | 13.757 | 28.6 | ug/l | 2348380 | 4 | 13.556 | 4109520 | 50.0 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX047010.D
Acq On : 15 Jul 2025 18:10
Operator : JC/MD
Sample : Q2503-04ME
Misc : 4.49g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3ME

Quant Time: Jul 16 02:32:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

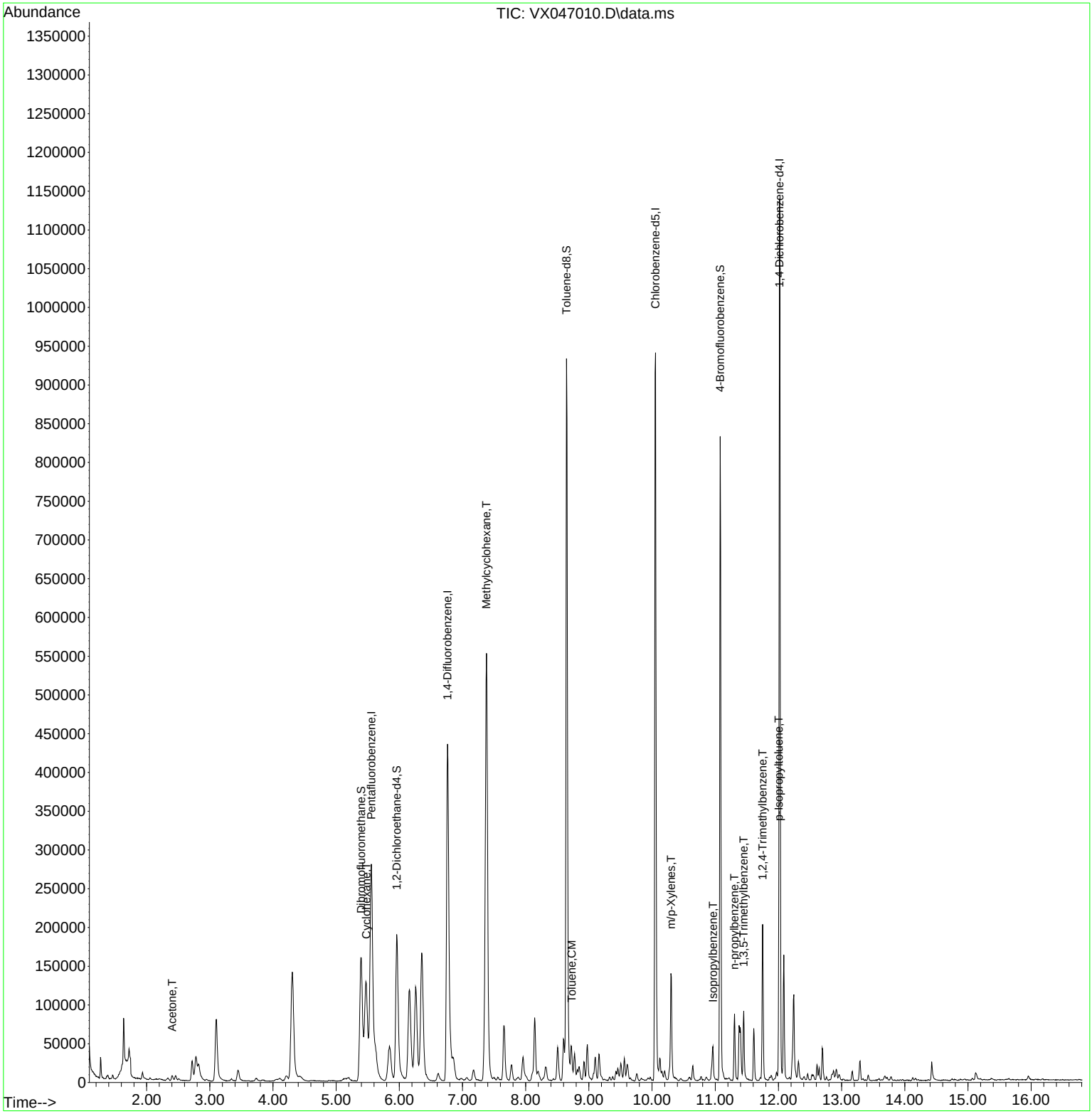
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 288950 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 484552 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 438449 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 225226 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 199872 | 52.359 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 104.720% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 158367 | 48.148 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 96.300% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 562676 | 48.486 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 96.980% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 227361 | 51.550 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 103.100% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 2.404 | 43 | 7963 | 6.716 | ug/l | 95 |
| 31) Cyclohexane | 5.477 | 56 | 98569 | 18.064 | ug/l | 97 |
| 39) Methylcyclohexane | 7.379 | 83 | 259722 | 46.786 | ug/l | 96 |
| 52) Toluene | 8.726 | 92 | 18453 | 2.219 | ug/l | 95 |
| 68) m/p-Xylenes | 10.299 | 106 | 33632 | 5.498 | ug/l | 99 |
| 73) Isopropylbenzene | 10.964 | 105 | 22159 | 1.400 | ug/l | 98 |
| 78) n-propylbenzene | 11.305 | 91 | 50928 | 2.668 | ug/l | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 39602 | 3.078 | ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 86207 | 6.630 | ug/l | 97 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 17728 | 1.264 | ug/l | 98 |

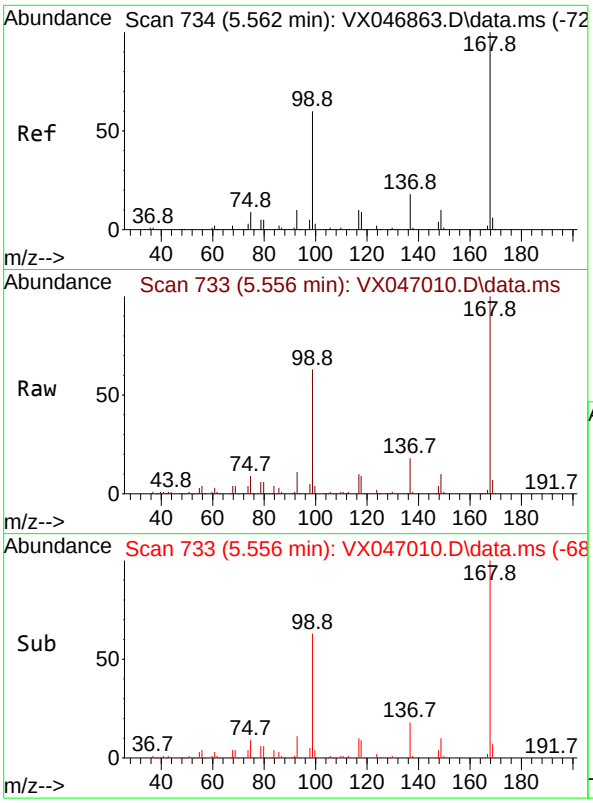
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX047010.D
Acq On : 15 Jul 2025 18:10
Operator : JC/MD
Sample : Q2503-04ME
Misc : 4.49g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3ME

Quant Time: Jul 16 02:32:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration



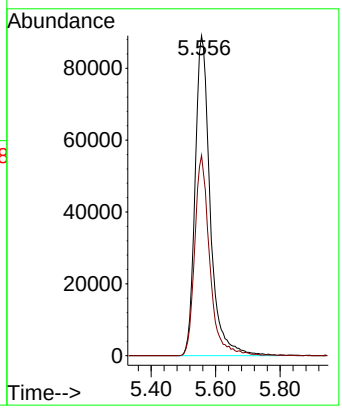


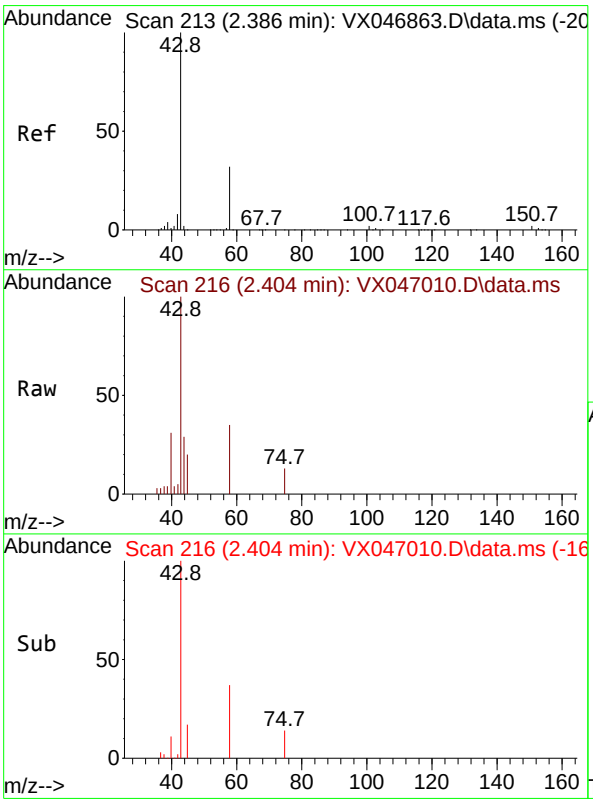

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047010.D
Acq: 15 Jul 2025 18:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3ME

Tgt Ion:168 Resp: 288950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.6 | 48.8 | 73.2 |

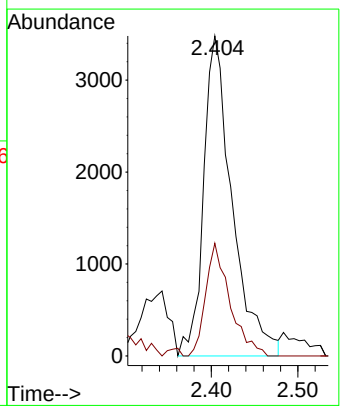


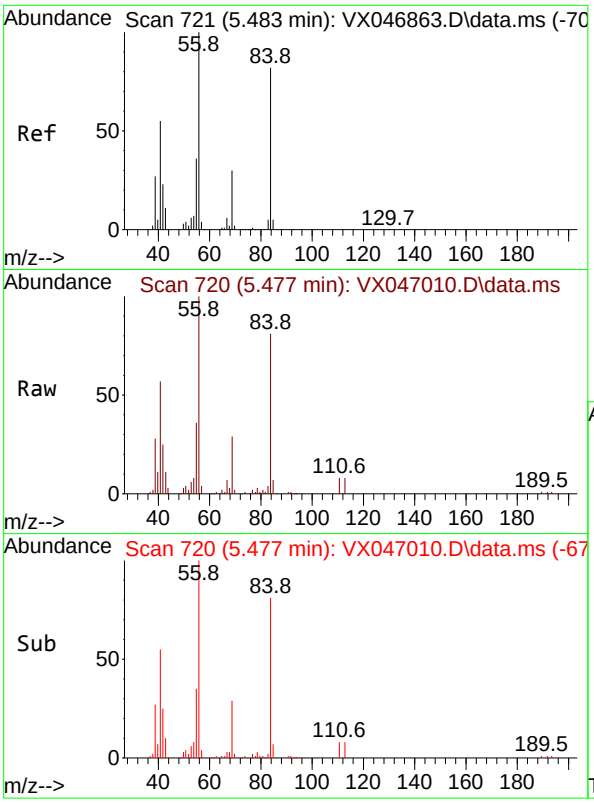




#16
Acetone
Concen: 6.716 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.018 min
Lab File: VX047010.D
Acq: 15 Jul 2025 18:10

Tgt Ion: 43 Resp: 7963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.2 | 25.8 | 38.6 |



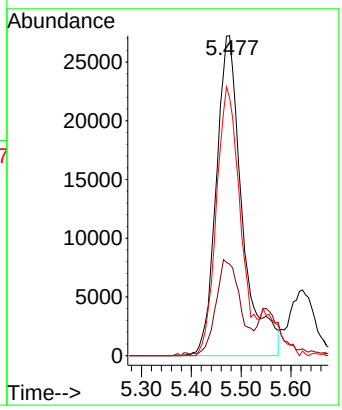


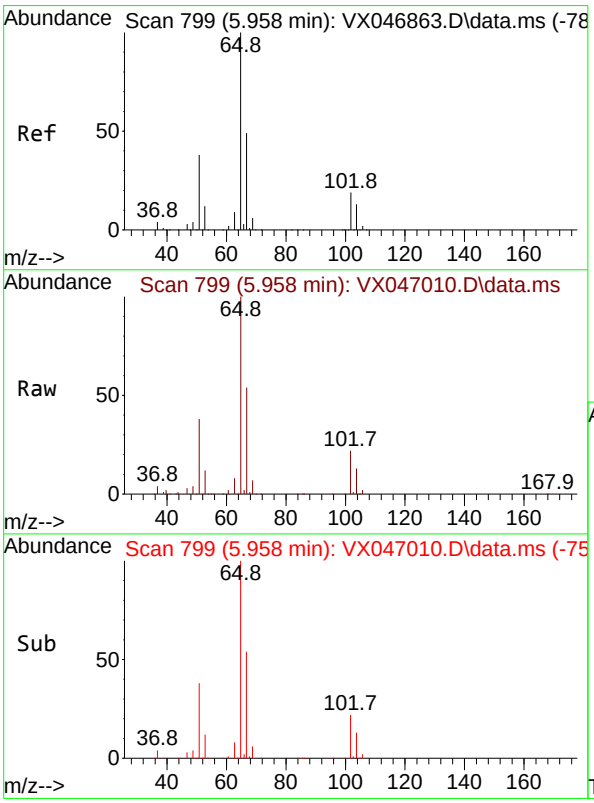

#31
Cyclohexane
Concen: 18.064 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047010.D
Acq: 15 Jul 2025 18:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3ME

Tgt Ion: 56 Resp: 98569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.0 | 24.0 | 36.0 |
| 84 | 80.8 | 66.5 | 99.7 |

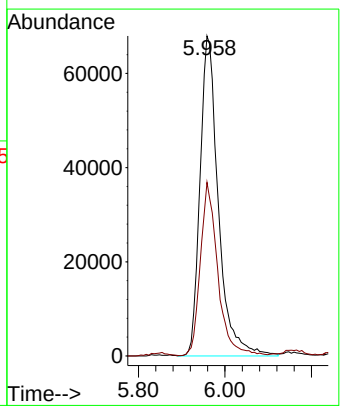


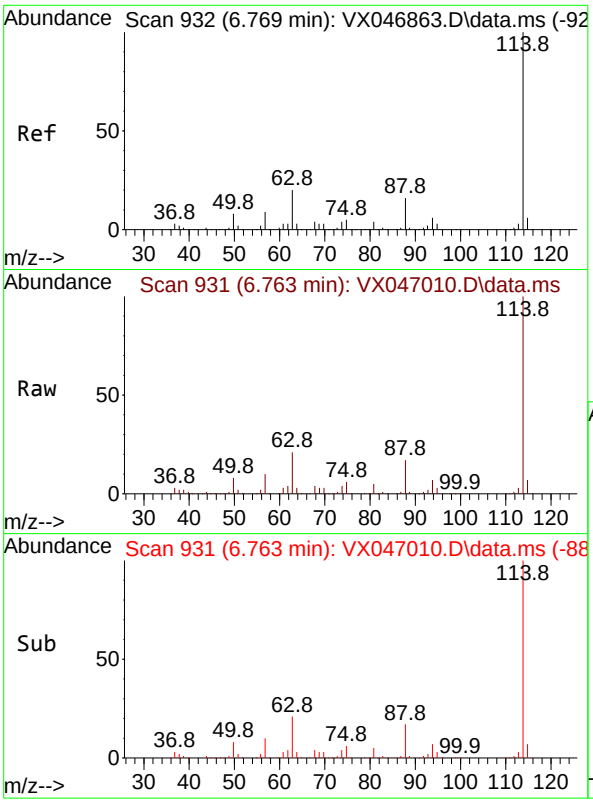




#33
1,2-Dichloroethane-d4
Concen: 52.359 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX047010.D
Acq: 15 Jul 2025 18:10

Tgt Ion: 65 Resp: 199872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.4 | 0.0 | 105.2 |



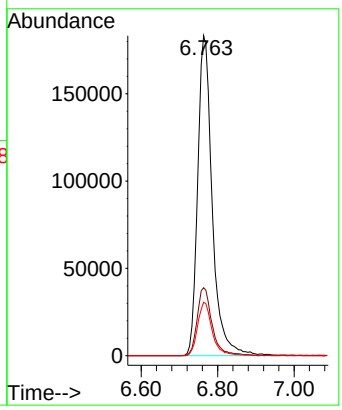


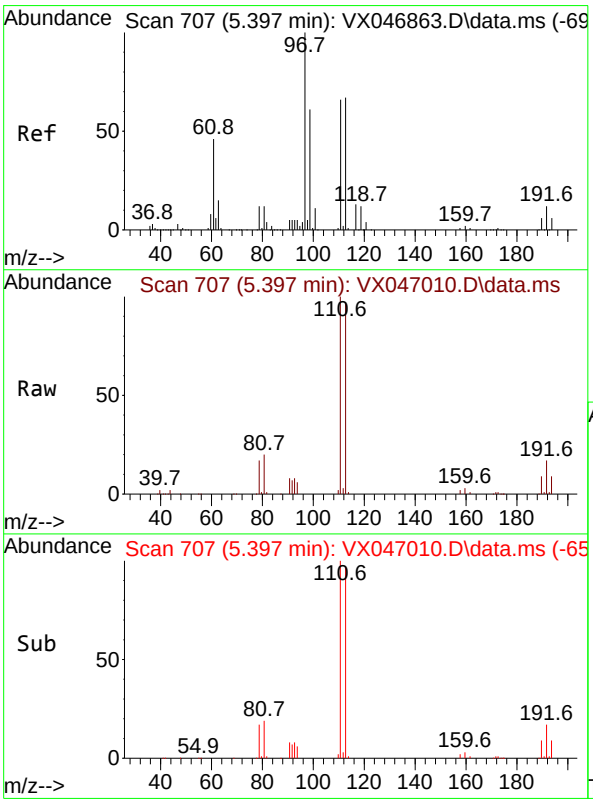

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX047010.D
Acq: 15 Jul 2025 18:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3ME

Tgt Ion:114 Resp: 484552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.3 | 0.0 | 40.4 |
| 88 | 16.7 | 0.0 | 31.0 |

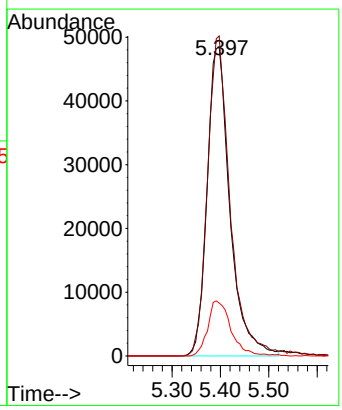


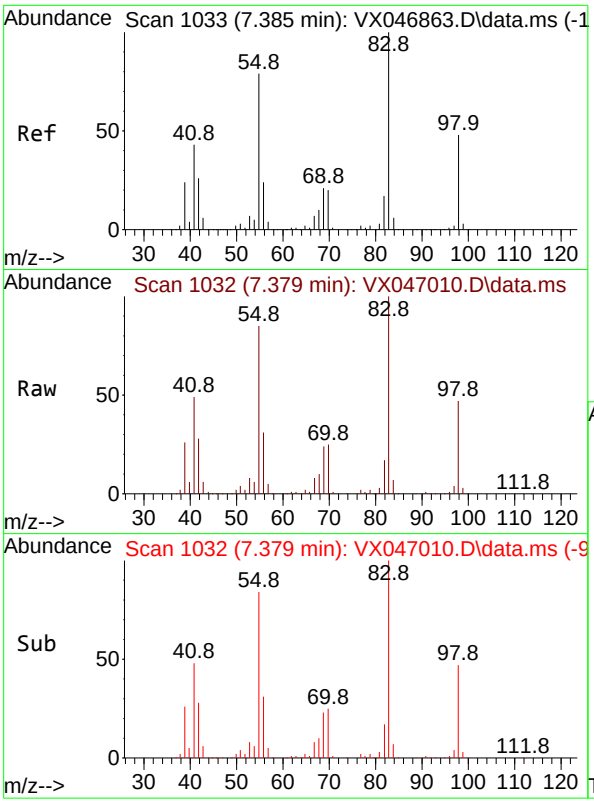




#35
Dibromofluoromethane
Concen: 48.148 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047010.D
Acq: 15 Jul 2025 18:10

Tgt Ion:113 Resp: 158367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.2 | 81.2 | 121.8 |
| 192 | 18.1 | 15.3 | 22.9 |



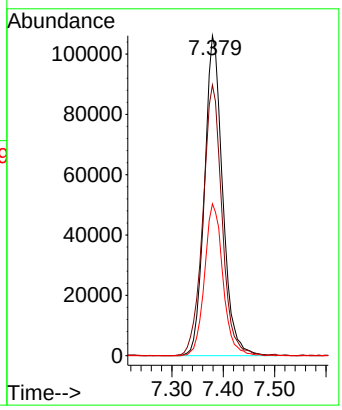


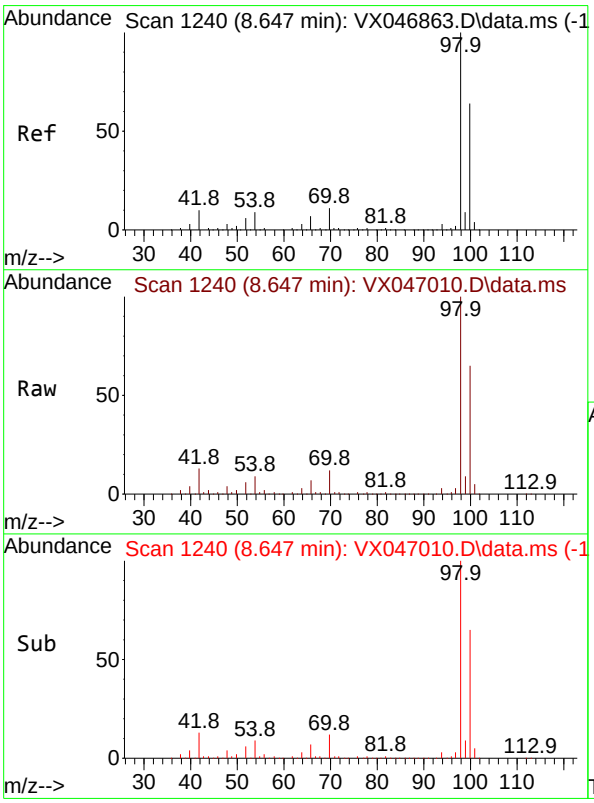

#39
Methylcyclohexane
Concen: 46.786 ug/l
RT: 7.379 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047010.D
Acq: 15 Jul 2025 18:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3ME

Tgt Ion: 83 Resp: 259722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 84.4 | 63.0 | 94.4 |
| 98 | 47.5 | 38.5 | 57.7 |

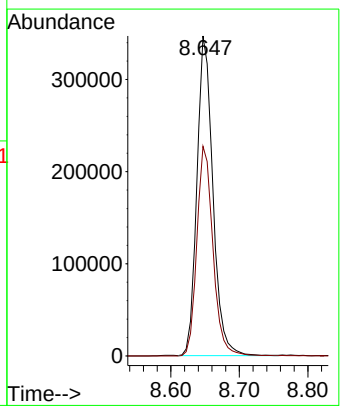


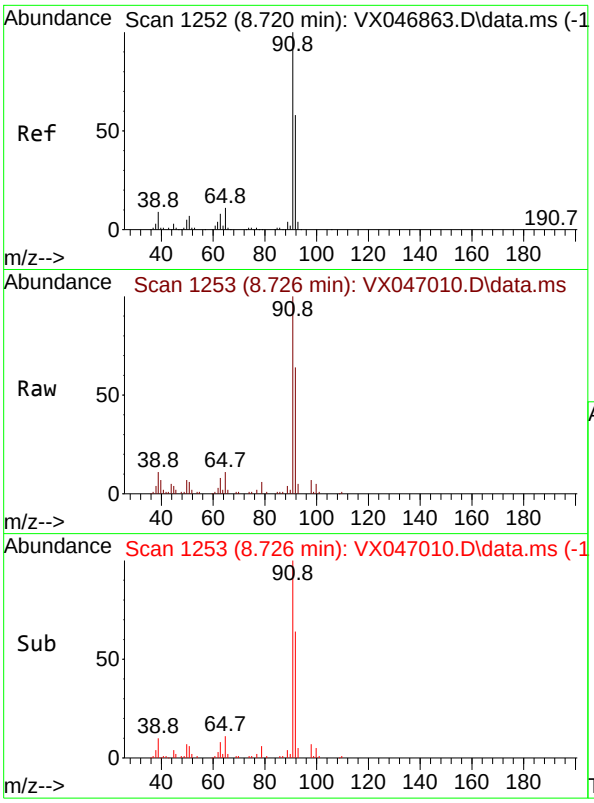




#50
Toluene-d8
Concen: 48.486 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX047010.D
Acq: 15 Jul 2025 18:10

Tgt Ion: 98 Resp: 562676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.4 | 53.0 | 79.6 |



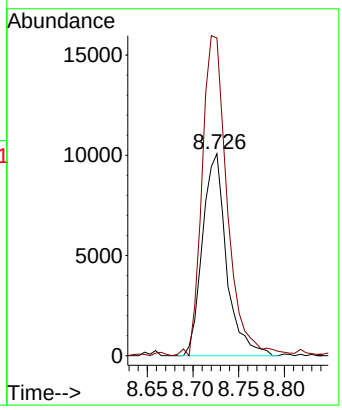


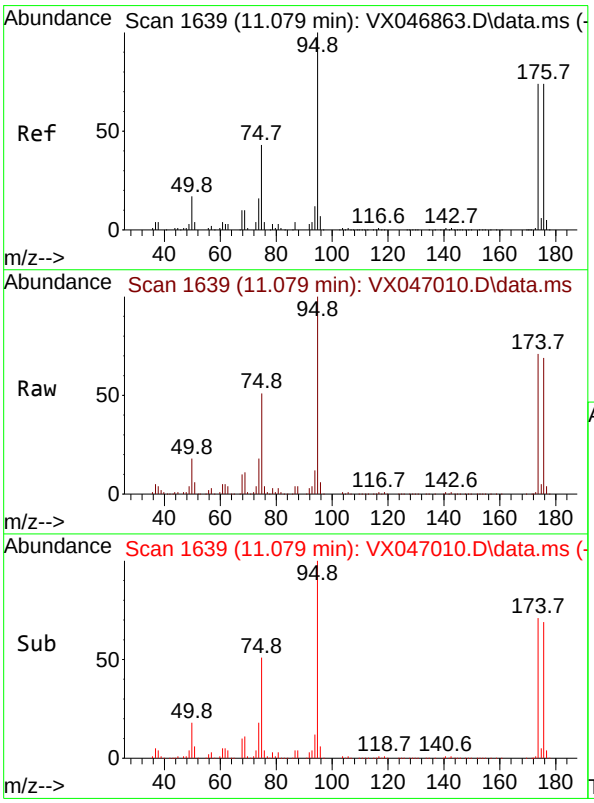

#52
Toluene
Concen: 2.219 ug/l
RT: 8.726 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047010.D
Acq: 15 Jul 2025 18:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3ME

Tgt Ion: 92 Resp: 18453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 165.4 | 137.9 | 206.9 |

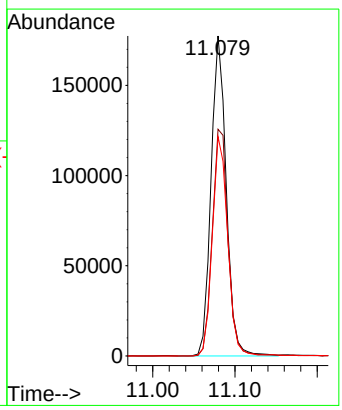


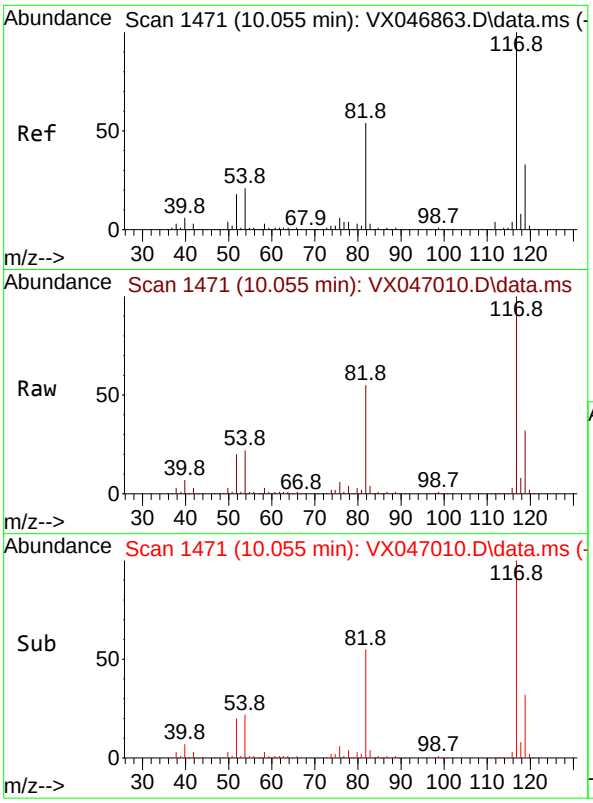




#62
4-Bromofluorobenzene
Concen: 51.550 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047010.D
Acq: 15 Jul 2025 18:10

Tgt Ion: 95 Resp: 227361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 73.9 | 0.0 | 152.0 |
| 176 | 69.8 | 0.0 | 145.2 |



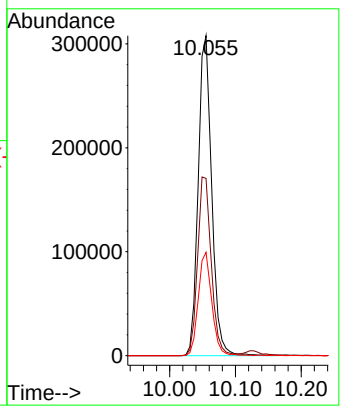


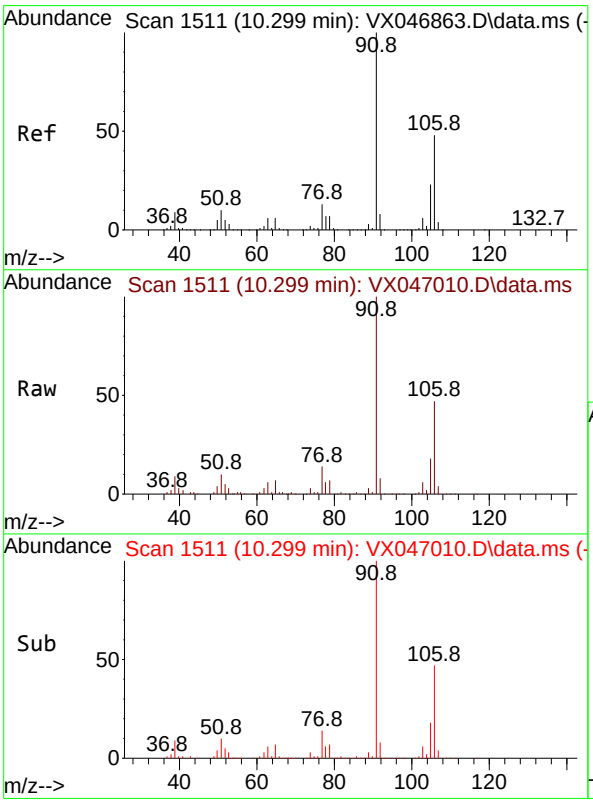

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047010.D
Acq: 15 Jul 2025 18:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3ME

Tgt Ion:117 Resp: 438449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.4 | 43.3 | 64.9 |
| 119 | 32.3 | 26.4 | 39.6 |

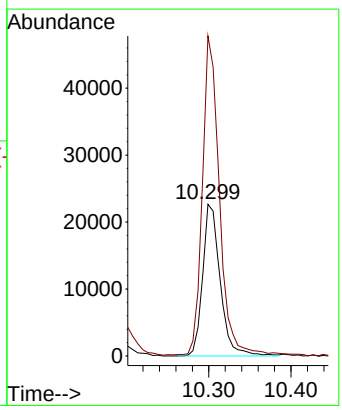


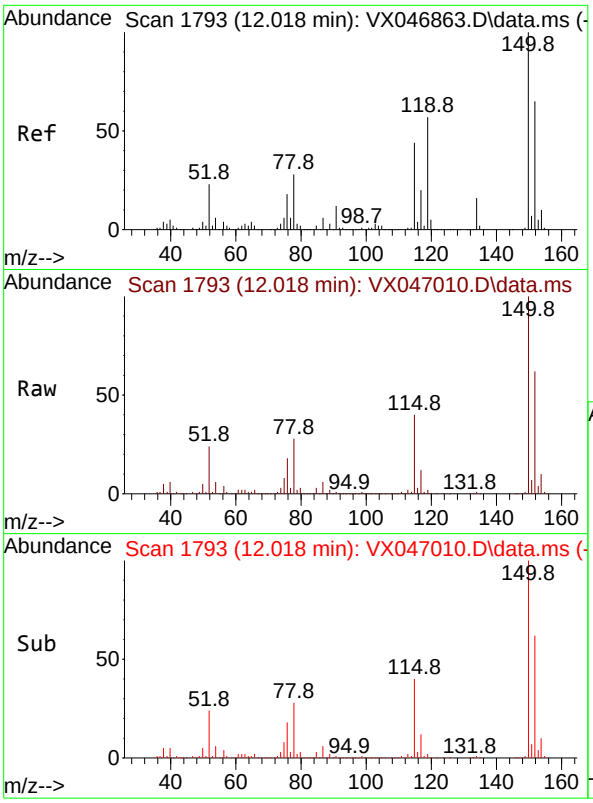




#68
m/p-Xylenes
Concen: 5.498 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047010.D
Acq: 15 Jul 2025 18:10

Tgt Ion:106 Resp: 33632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.6 | 164.6 | 246.8 |



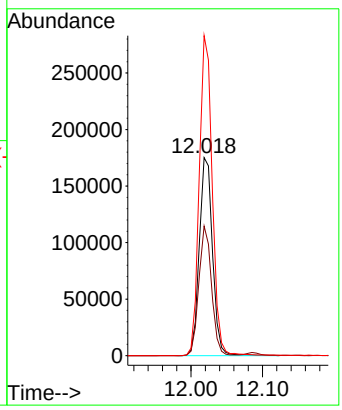


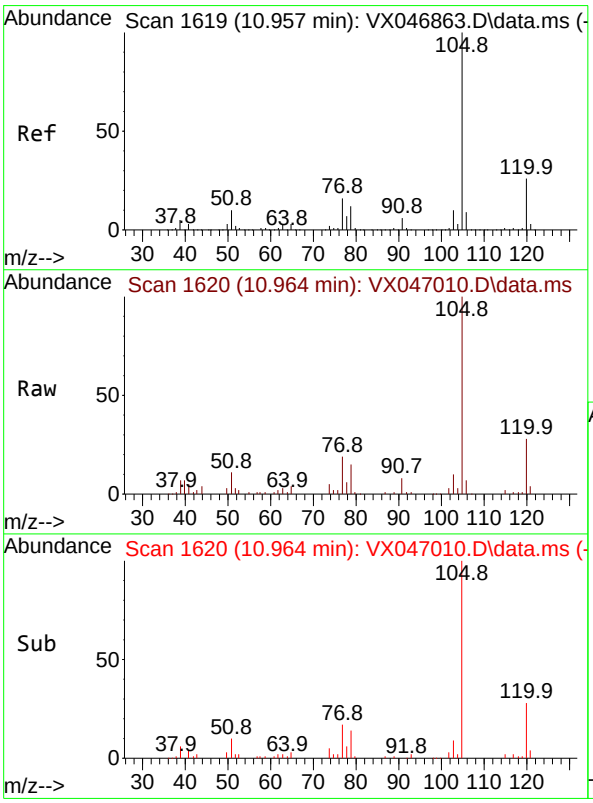

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047010.D
Acq: 15 Jul 2025 18:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3ME

Tgt Ion:152 Resp: 225226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.7 | 42.4 | 127.1 |
| 150 | 158.5 | 0.0 | 349.2 |

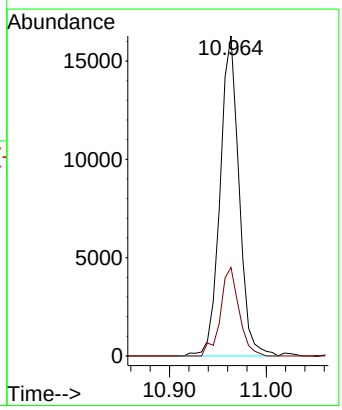


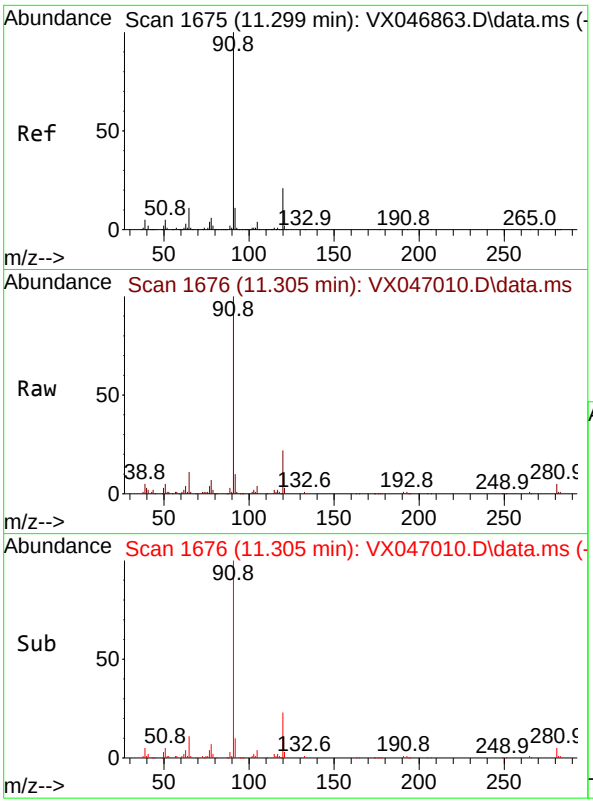




#73
Isopropylbenzene
Concen: 1.400 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX047010.D
Acq: 15 Jul 2025 18:10

Tgt Ion:105 Resp: 22159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.2 | 13.2 | 39.5 |



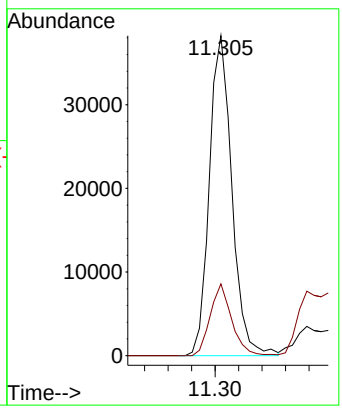


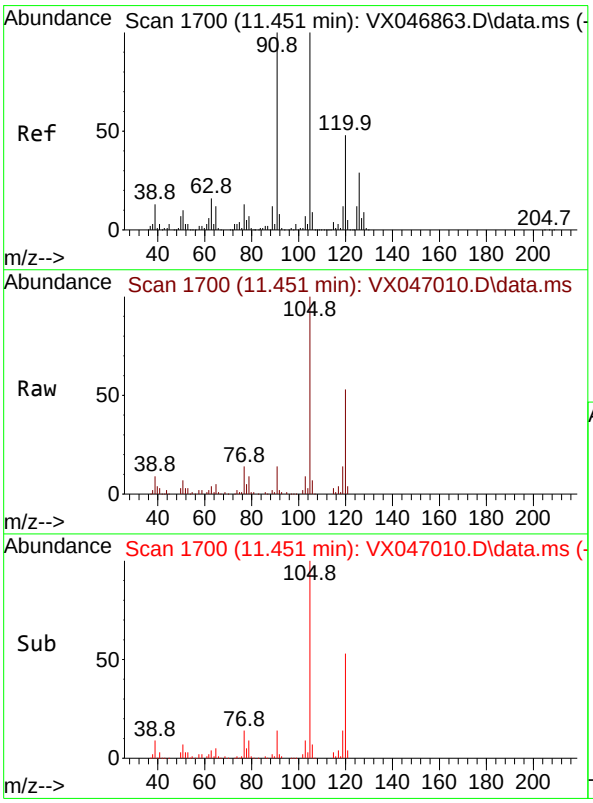

#78
n-propylbenzene
Concen: 2.668 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047010.D
Acq: 15 Jul 2025 18:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3ME

Tgt Ion: 91 Resp: 50928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.5 | 11.2 | 33.5 |

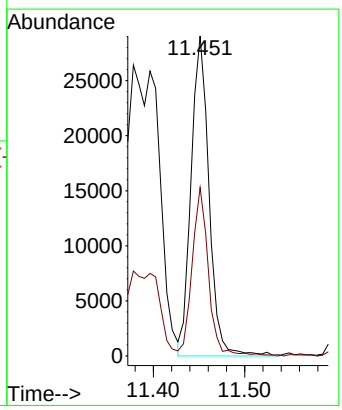


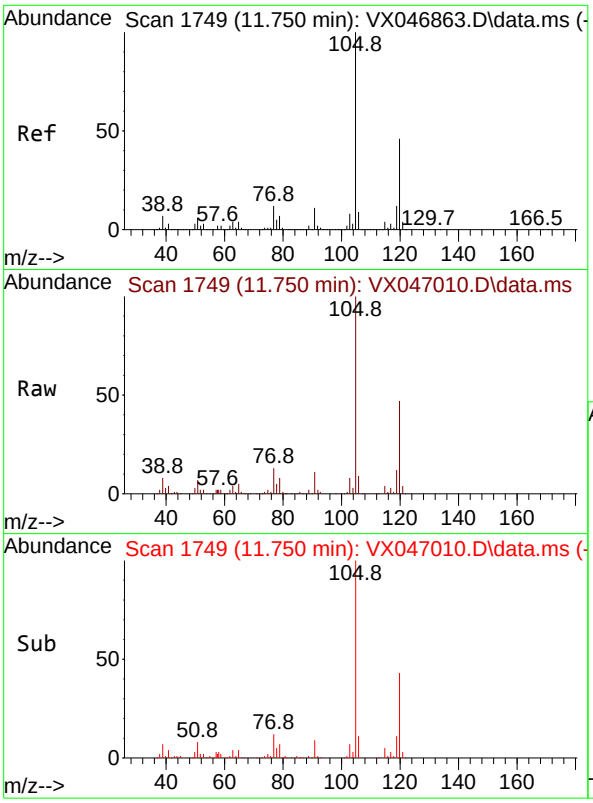




#80
1,3,5-Trimethylbenzene
Concen: 3.078 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047010.D
Acq: 15 Jul 2025 18:10

Tgt Ion:105 Resp: 39602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.0 | 24.1 | 72.4 |



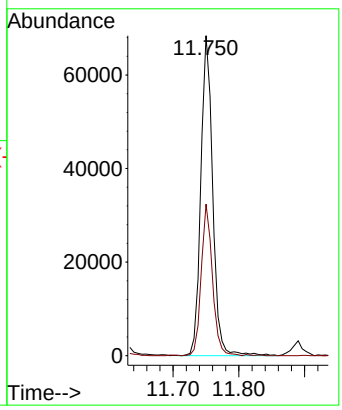


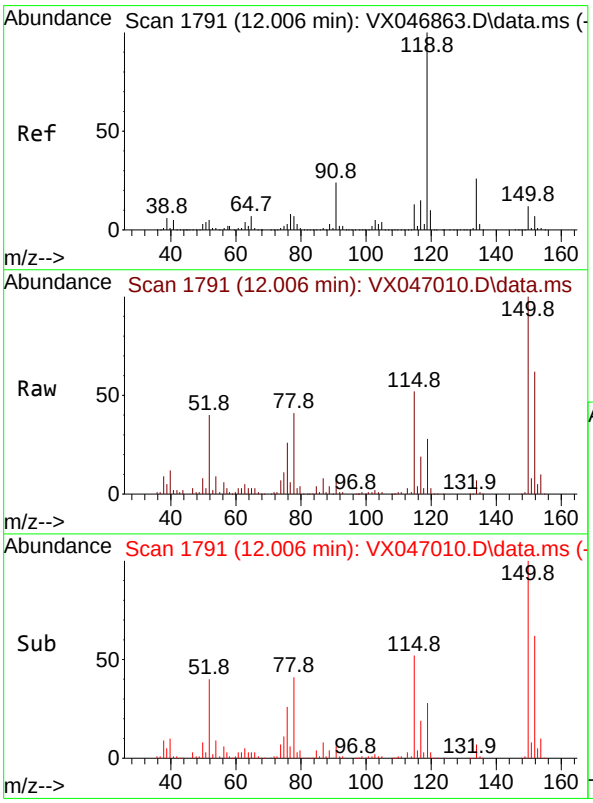

#84
1,2,4-Trimethylbenzene
Concen: 6.630 ug/l
RT: 11.750 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047010.D
Acq: 15 Jul 2025 18:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
GCAP3ME

Tgt Ion:105 Resp: 86207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.6 | 23.3 | 69.8 |

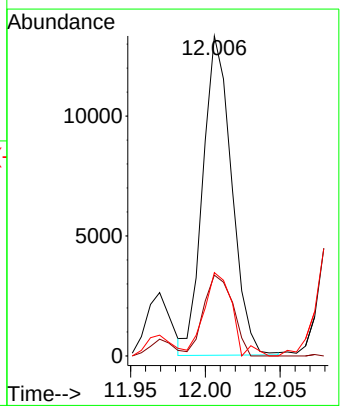



#86
p-Isopropyltoluene
Concen: 1.264 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047010.D
Acq: 15 Jul 2025 18:10

Tgt Ion:119 Resp: 17728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.6 | 13.0 | 39.0 |
| 91 | 25.4 | 12.0 | 36.1 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031837.D
Acq On : 14 Jul 2025 09:46
Operator : SY/MD
Sample : VW0714SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW0714SBL01

Quant Time: Jul 15 02:39:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.959 | 168 | 179274 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.849 | 114 | 359991 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.635 | 117 | 334968 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 154203 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.319 | 65 | 123390 | 47.960 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 63 - 155 | | Recovery = | 95.920% | | |
| 35) Dibromofluoromethane | 7.898 | 113 | 110604 | 47.084 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 70 - 134 | | Recovery = | 94.160% | | |
| 50) Toluene-d8 | 10.324 | 98 | 392793 | 44.932 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 123 | | Recovery = | 89.860% | | |
| 62) 4-Bromofluorobenzene | 12.617 | 95 | 148493 | 46.158 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 17 - 146 | | Recovery = | 92.320% | | |

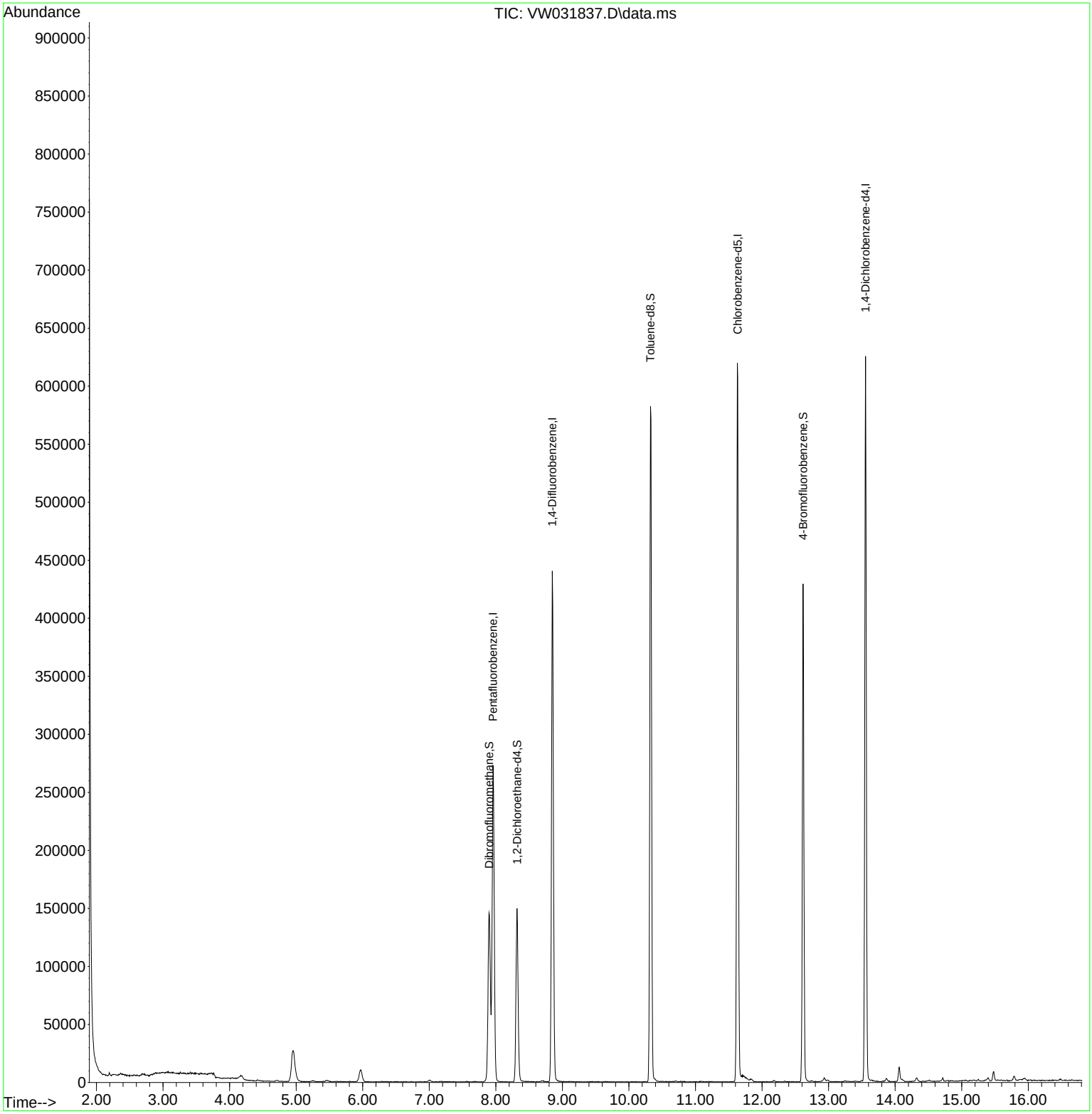
Target Compounds Qvalue

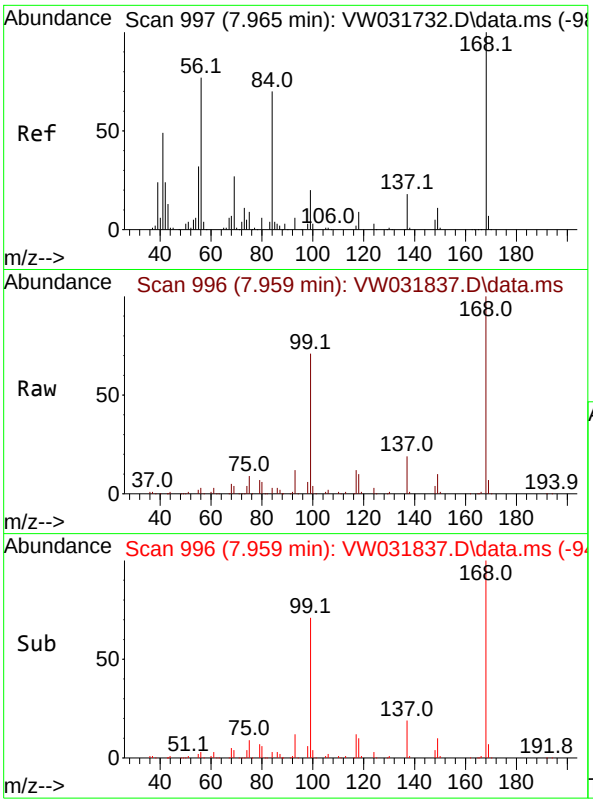
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031837.D
Acq On : 14 Jul 2025 09:46
Operator : SY/MD
Sample : VW0714SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW0714SBL01

Quant Time: Jul 15 02:39:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration



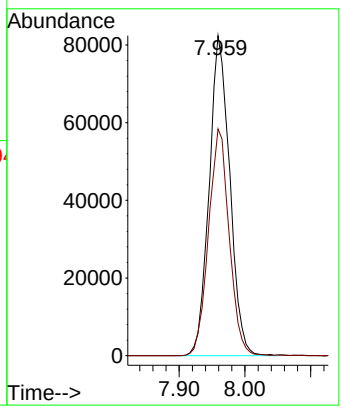


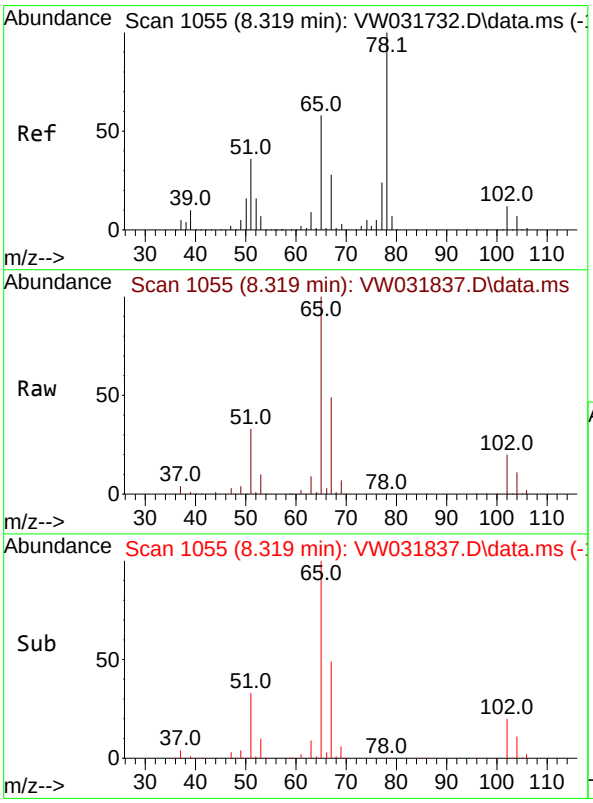

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW0714SBL01

Tgt Ion:168 Resp: 179274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 70.9 | 49.4 | 74.2 |

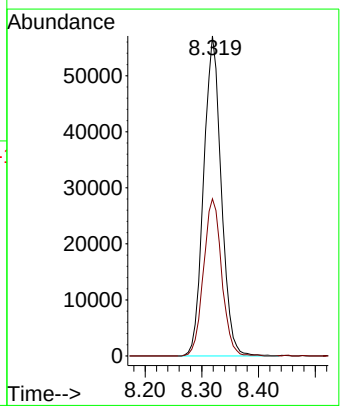


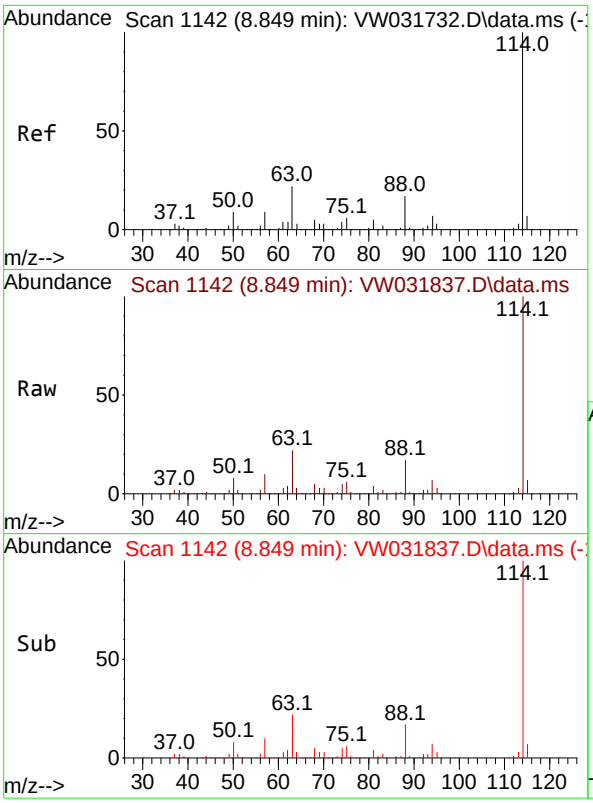




#33
1,2-Dichloroethane-d4
Concen: 47.960 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

Tgt Ion: 65 Resp: 123390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.5 | 0.0 | 99.4 |



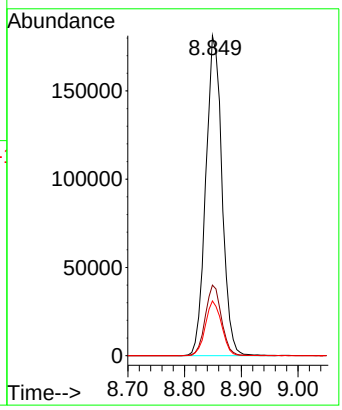


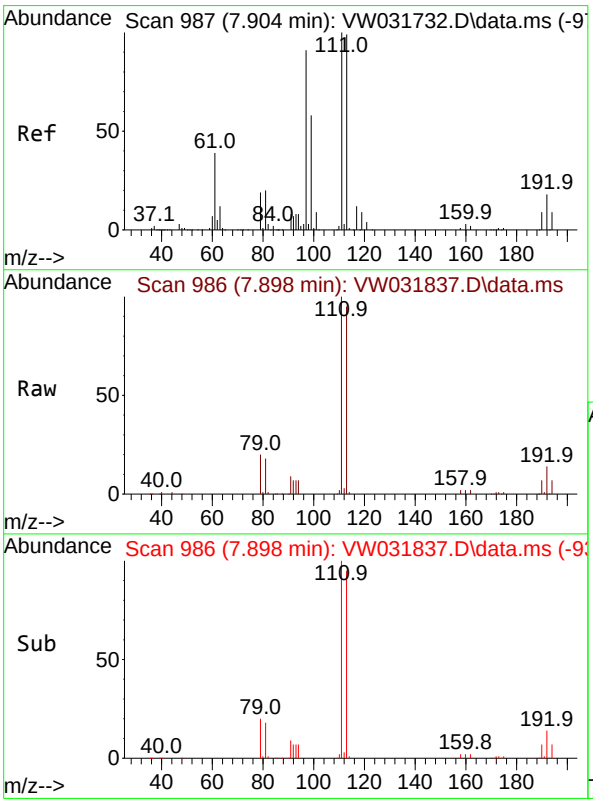

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW0714SBL01

Tgt Ion:114 Resp: 359991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.1 | 0.0 | 43.6 |
| 88 | 17.1 | 0.0 | 34.2 |

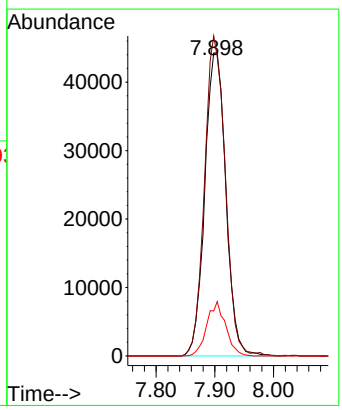


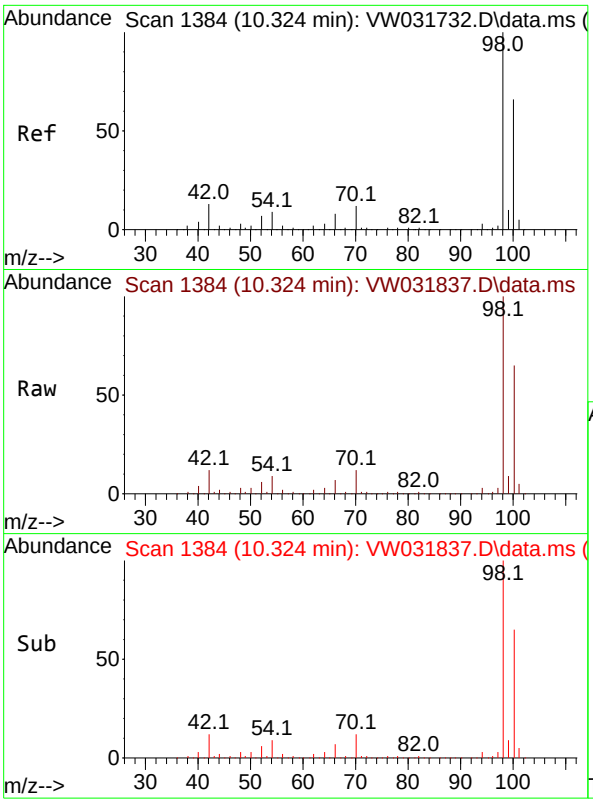




#35
Dibromofluoromethane
Concen: 47.084 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

Tgt Ion:113 Resp: 110604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.8 | 82.1 | 123.1 |
| 192 | 16.0 | 13.8 | 20.6 |



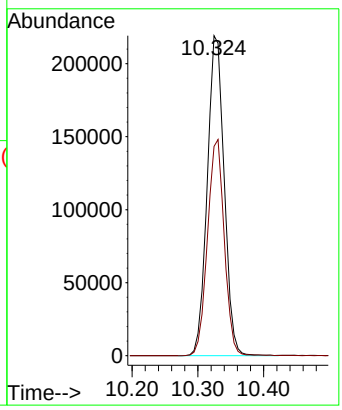


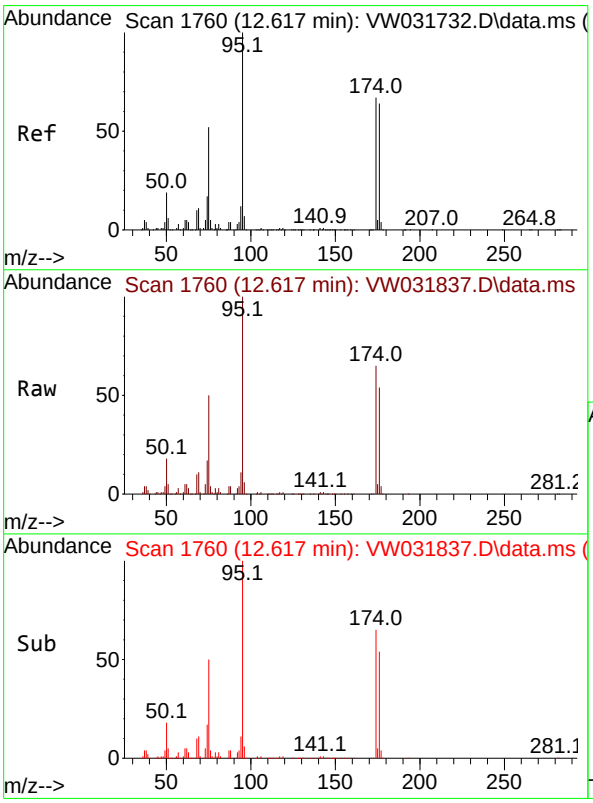

#50
Toluene-d8
Concen: 44.932 ug/l
RT: 10.324 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW0714SBL01

Tgt Ion: 98 Resp: 392793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.9 | 53.0 | 79.4 |

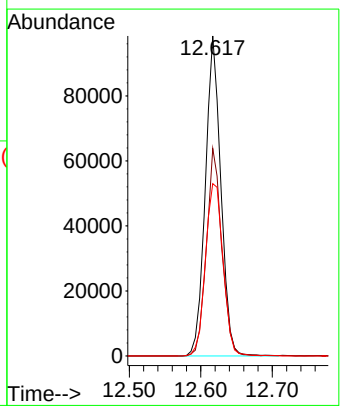


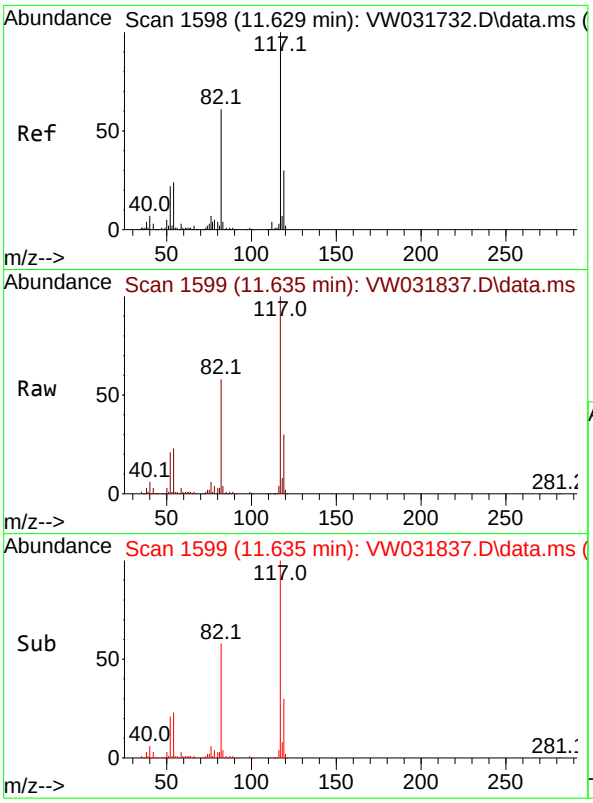




#62
4-Bromofluorobenzene
Concen: 46.158 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

Tgt Ion: 95 Resp: 148493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 64.4 | 0.0 | 133.8 |
| 176 | 61.2 | 0.0 | 126.0 |



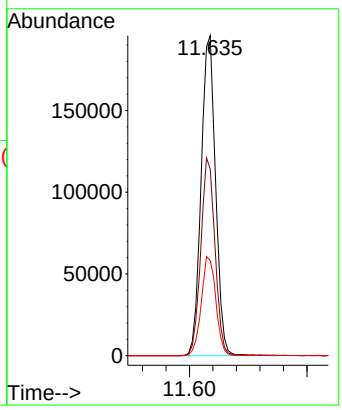


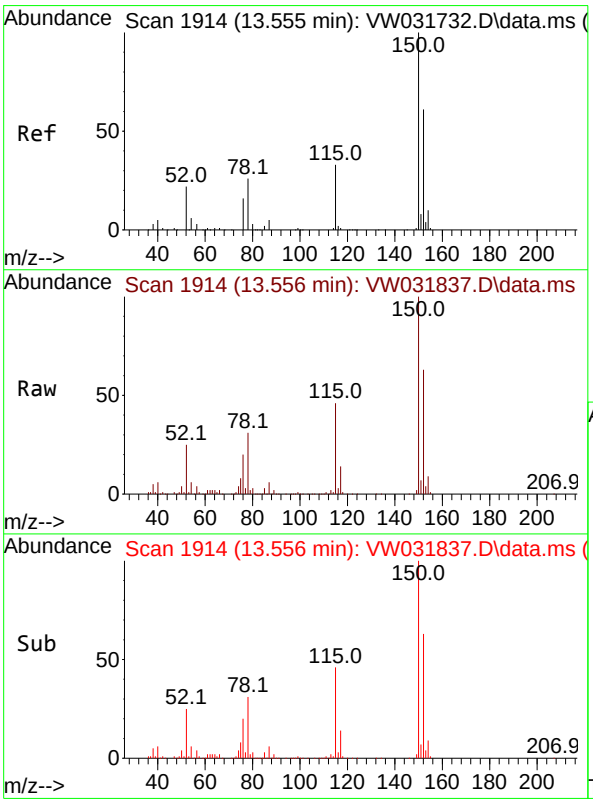

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW0714SBL01

Tgt Ion:117 Resp: 334968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.4 | 48.6 | 72.8 |
| 119 | 29.8 | 23.9 | 35.9 |

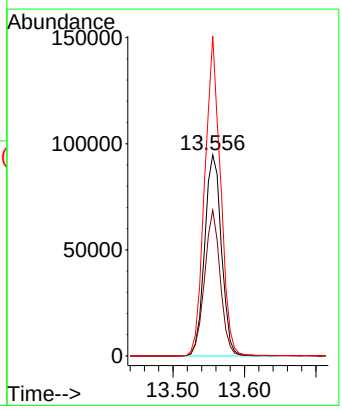



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

Tgt Ion:152 Resp: 154203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 67.9 | 31.9 | 95.7 |
| 150 | 149.9 | 0.0 | 356.4 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031837.D
Acq On : 14 Jul 2025 09:46
Operator : SY/MD
Sample : VW0714SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW0714SBL01

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\82W063025S.M
Title : SW846 8260

Signal : TIC: VW031837.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.953 | 492 | 503 | 518 | rBV3 | 26515 | 101788 | 9.44% | 1.657% |
| 2 | 5.972 | 658 | 670 | 682 | rVB2 | 10437 | 33599 | 3.12% | 0.547% |
| 3 | 7.898 | 971 | 986 | 991 | rBV | 145626 | 364956 | 33.86% | 5.943% |
| 4 | 7.959 | 991 | 996 | 1010 | rVB | 272079 | 592897 | 55.01% | 9.654% |
| 5 | 8.319 | 1043 | 1055 | 1068 | rBV | 149638 | 330517 | 30.67% | 5.382% |
| 6 | 8.849 | 1131 | 1142 | 1159 | rBV | 440218 | 874977 | 81.18% | 14.247% |
| 7 | 10.324 | 1376 | 1384 | 1400 | rBV | 582065 | 1060550 | 98.40% | 17.269% |
| 8 | 11.629 | 1591 | 1598 | 1608 | rBV | 618954 | 1077808 | 100.00% | 17.550% |
| 9 | 12.617 | 1752 | 1760 | 1778 | rBV | 429059 | 677426 | 62.85% | 11.031% |
| 10 | 13.556 | 1907 | 1914 | 1926 | rBV | 624522 | 989018 | 91.76% | 16.104% |
| 11 | 14.062 | 1987 | 1997 | 2003 | rBV | 12278 | 23208 | 2.15% | 0.378% |
| 12 | 15.482 | 2223 | 2230 | 2235 | rBV | 7905 | 14590 | 1.35% | 0.238% |

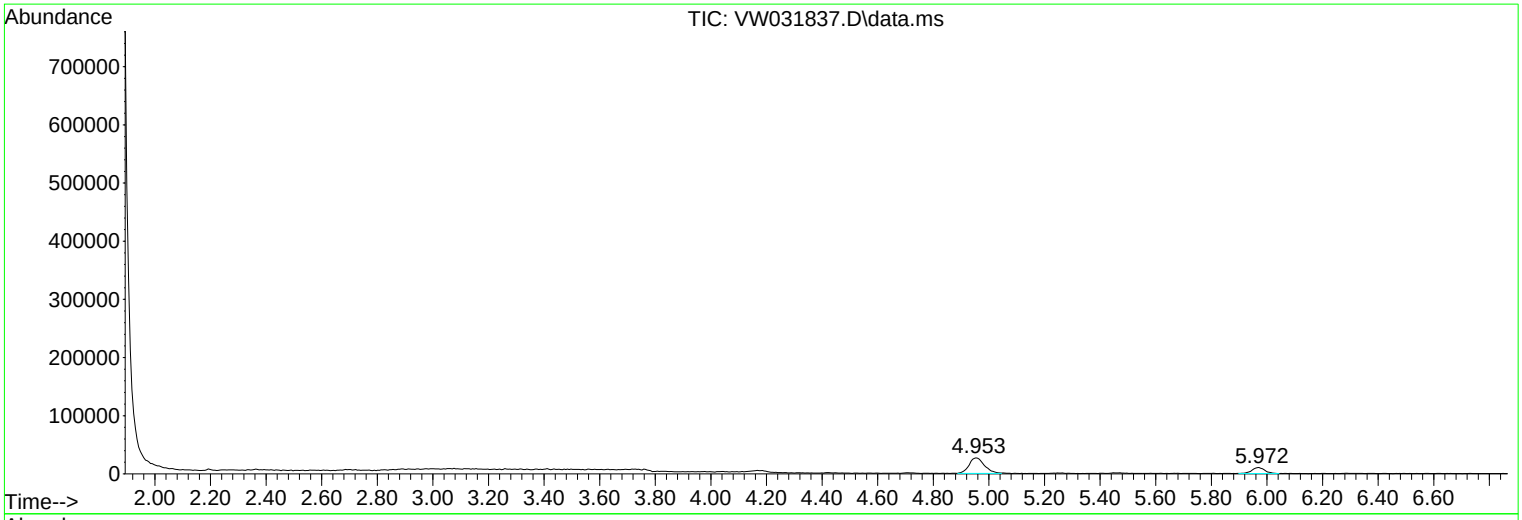
Sum of corrected areas: 6141334

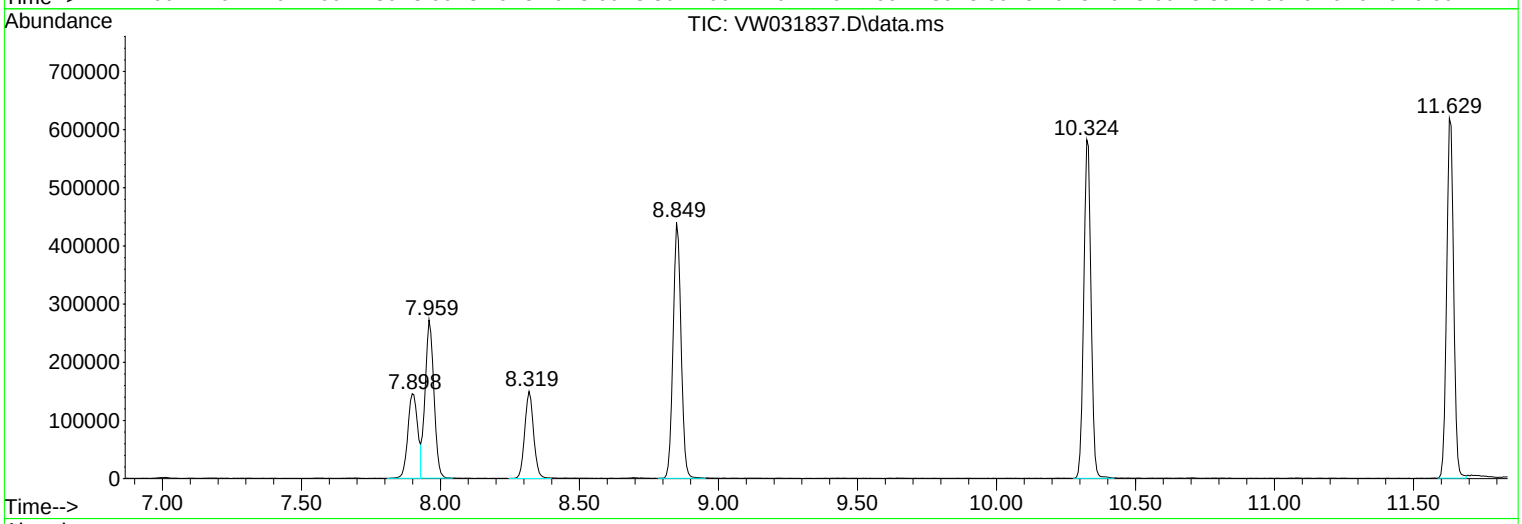
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031837.D
Acq On : 14 Jul 2025 09:46
Operator : SY/MD
Sample : VW0714SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

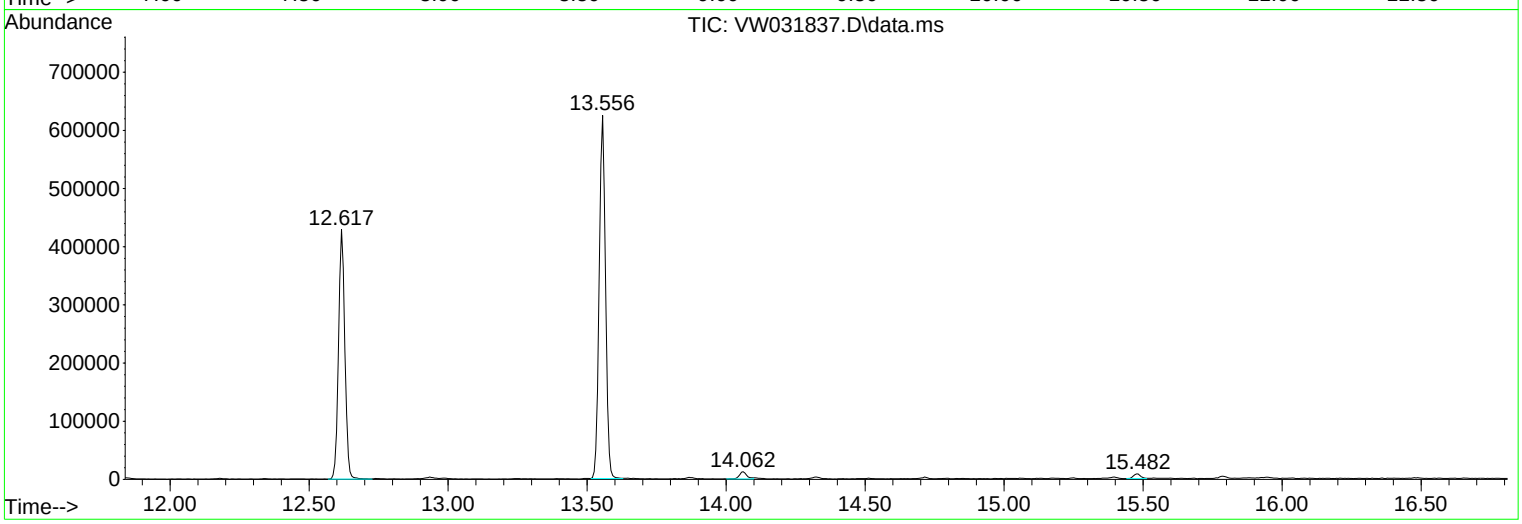
**Instrument :**
MSVOA_W
**ClientSampleId :**
VW0714SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031837.D
Acq On : 14 Jul 2025 09:46
Operator : SY/MD
Sample : VW0714SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW0714SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.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\VW071425\
Data File : VW031837.D
Acq On : 14 Jul 2025 09:46
Operator : SY/MD
Sample : VW0714SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW0714SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046871.D
Acq On : 03 Jul 2025 09:09
Operator : JC/MD
Sample : VX0703WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0703WBL01

Quant Time: Jul 04 01:26:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

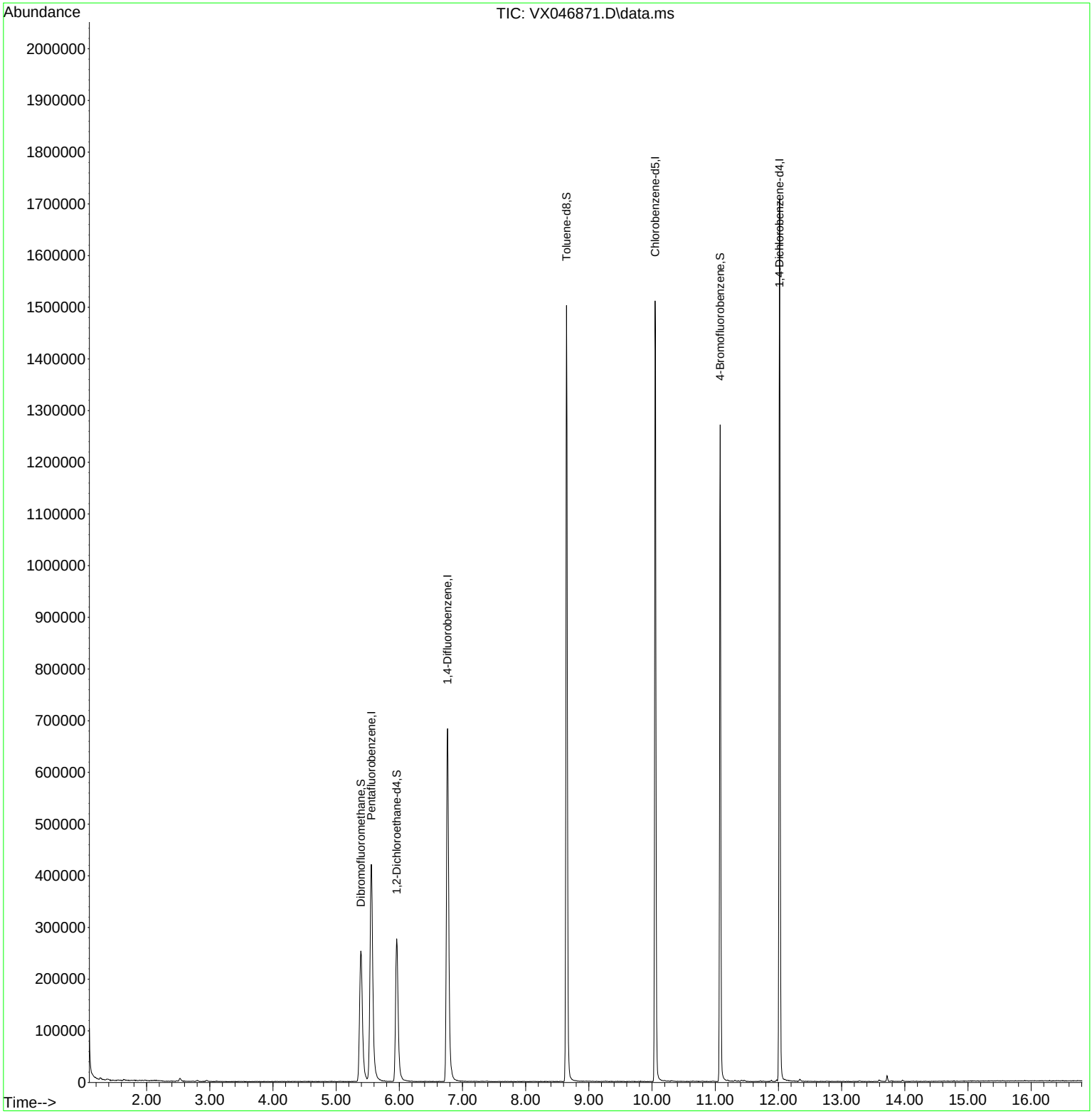
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 435949 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 752530 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 691838 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 351915 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 289406 | 50.250 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 100.500% | | | |
| 35) Dibromofluoromethane | 5.391 | 113 | 248443 | 48.636 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 97.280% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 893863 | 49.596 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 99.200% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 346730 | 50.620 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 101.240% | | | |
| Target Compounds | | | | | | Qvalue |

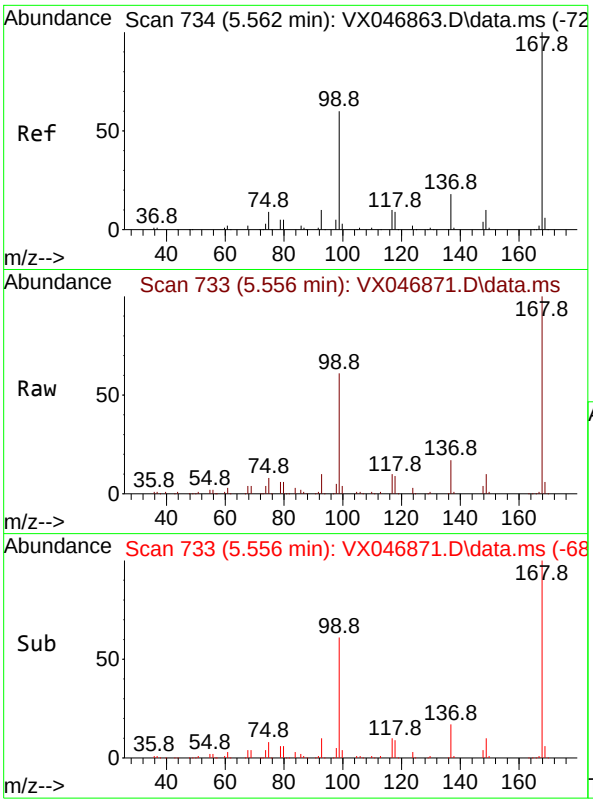
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046871.D
Acq On : 03 Jul 2025 09:09
Operator : JC/MD
Sample : VX0703WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0703WBL01

Quant Time: Jul 04 01:26:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration



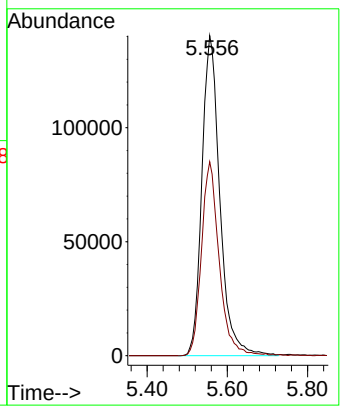


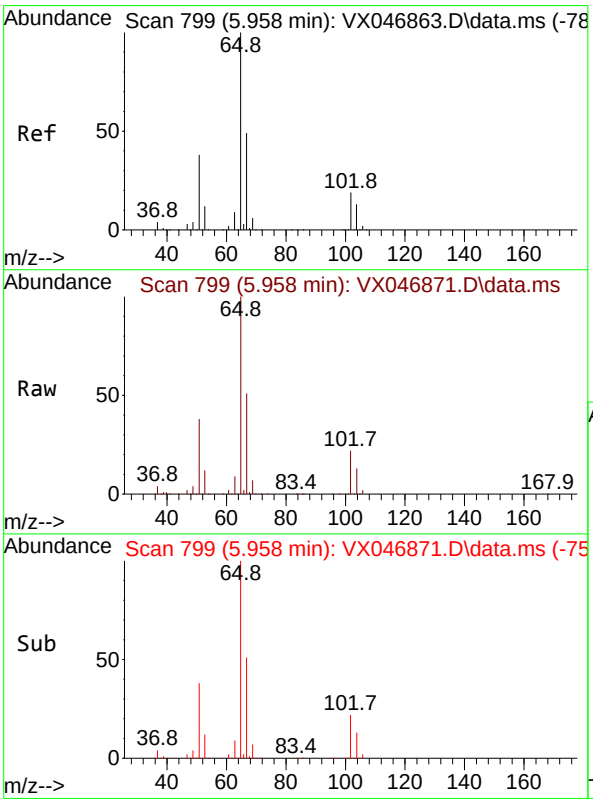

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046871.D
Acq: 03 Jul 2025 09:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0703WBL01

Tgt Ion:168 Resp: 435949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.6 | 48.8 | 73.2 |

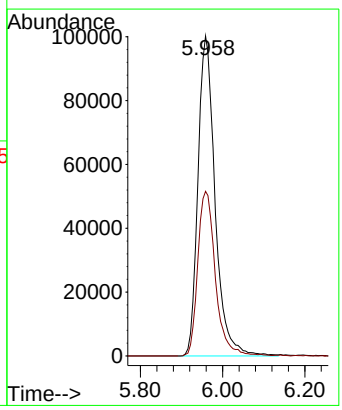


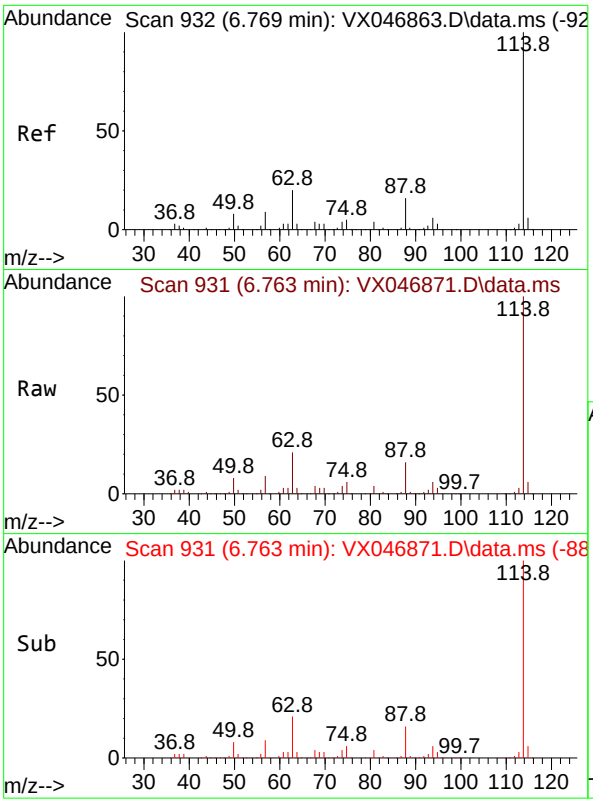




#33
1,2-Dichloroethane-d4
Concen: 50.250 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX046871.D
Acq: 03 Jul 2025 09:09

Tgt Ion: 65 Resp: 289406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.1 | 0.0 | 105.2 |



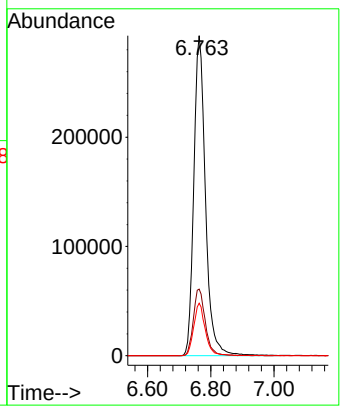


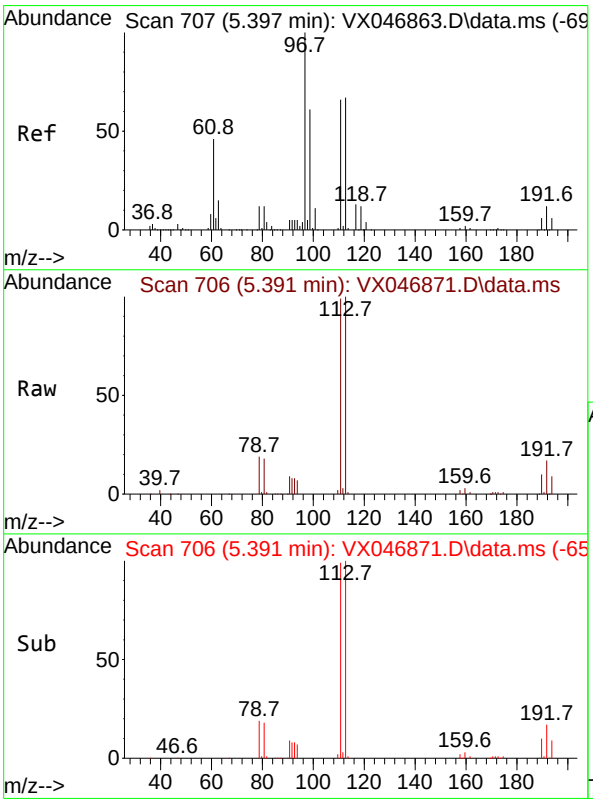

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX046871.D
Acq: 03 Jul 2025 09:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0703WBL01

Tgt Ion:114 Resp: 752530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.8 | 0.0 | 40.4 |
| 88 | 16.4 | 0.0 | 31.0 |

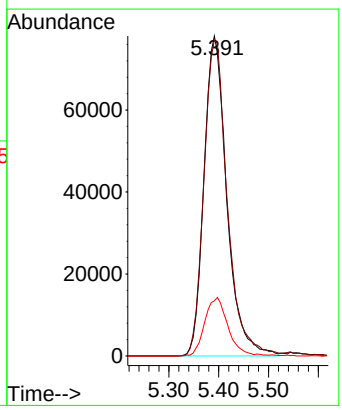


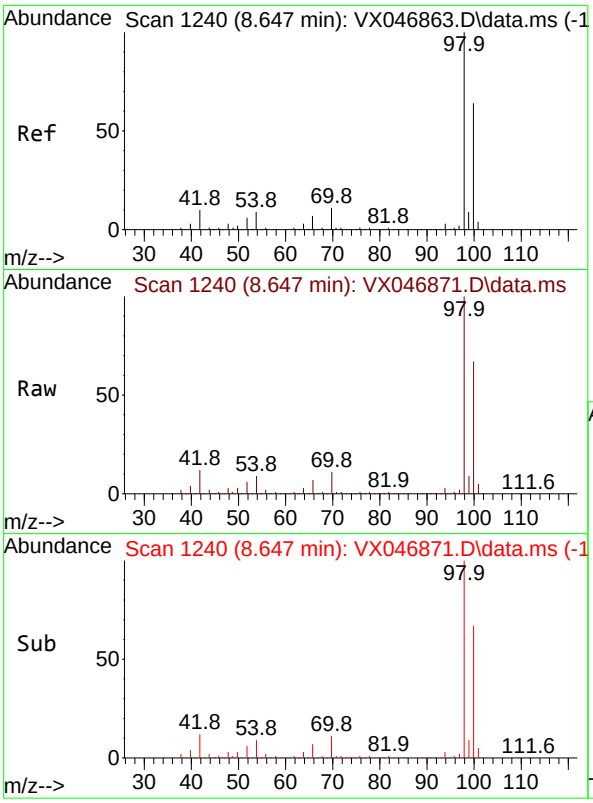




#35
Dibromofluoromethane
Concen: 48.636 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046871.D
Acq: 03 Jul 2025 09:09

Tgt Ion:113 Resp: 248443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.1 | 81.2 | 121.8 |
| 192 | 18.6 | 15.3 | 22.9 |



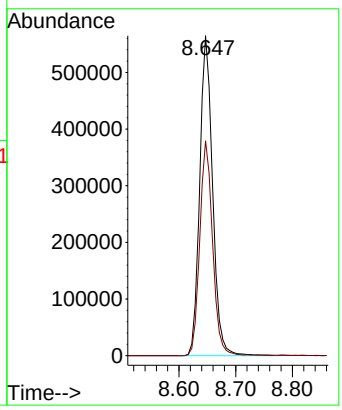


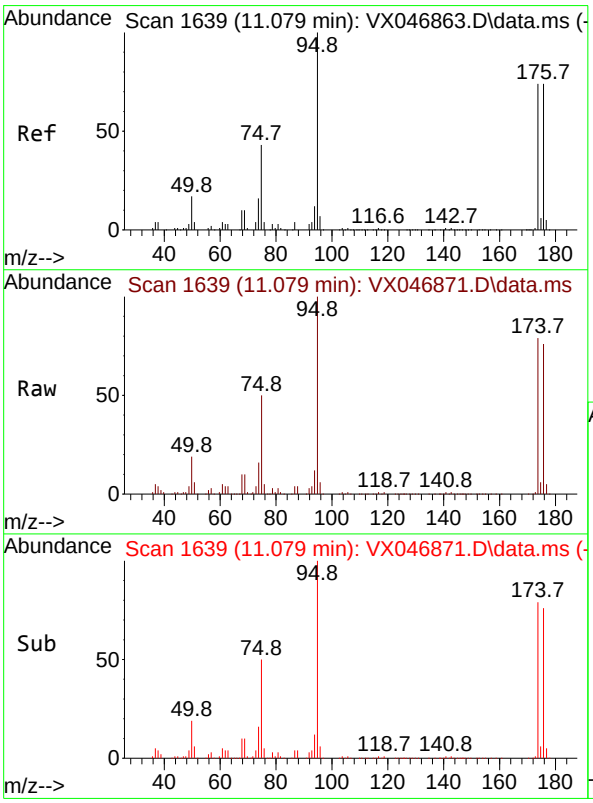

#50
Toluene-d8
Concen: 49.596 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046871.D
Acq: 03 Jul 2025 09:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0703WBL01

Tgt Ion: 98 Resp: 893863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.9 | 53.0 | 79.6 |

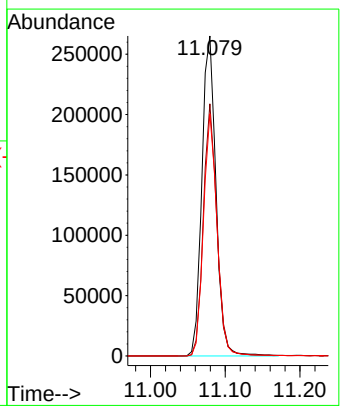


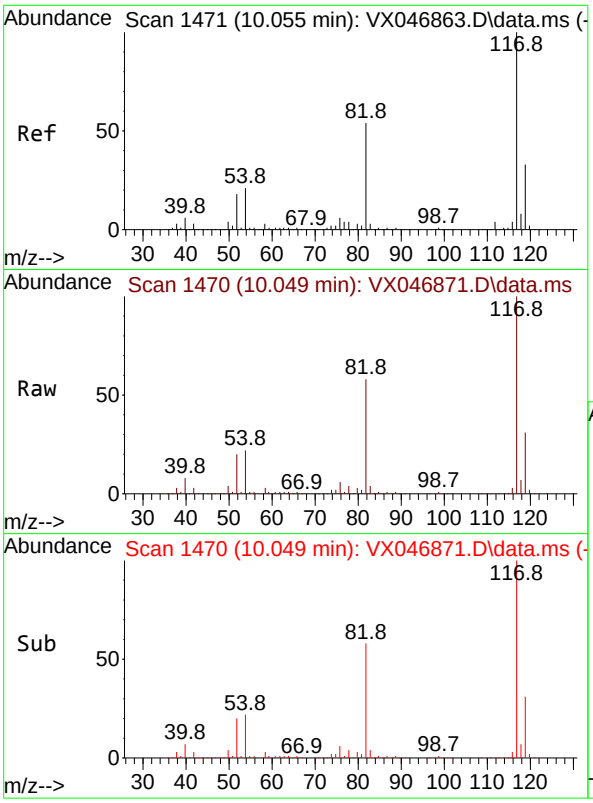




#62
4-Bromofluorobenzene
Concen: 50.620 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046871.D
Acq: 03 Jul 2025 09:09

Tgt Ion: 95 Resp: 346730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.3 | 0.0 | 152.0 |
| 176 | 73.3 | 0.0 | 145.2 |



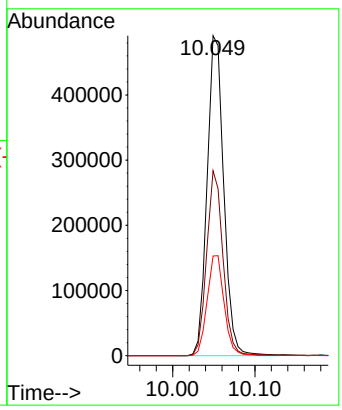


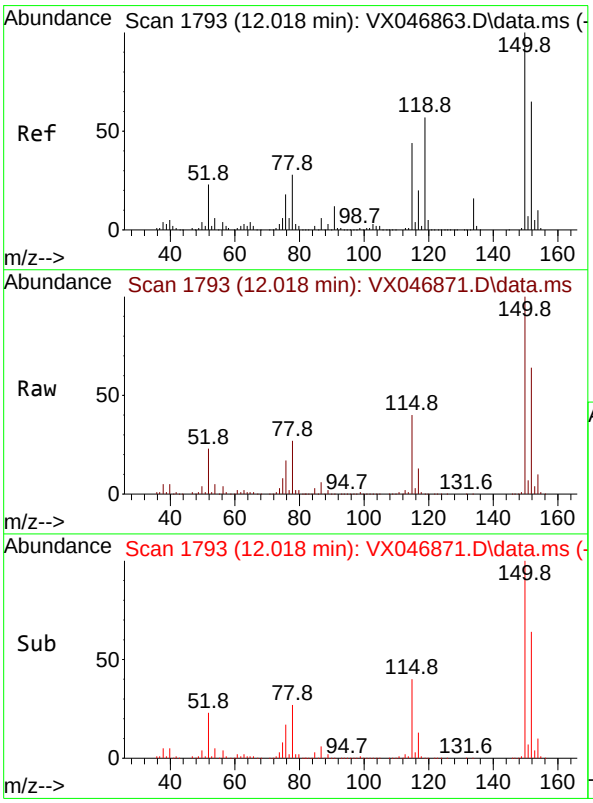

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046871.D
Acq: 03 Jul 2025 09:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0703WBL01

Tgt Ion:117 Resp: 691838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.8 | 43.3 | 64.9 |
| 119 | 31.1 | 26.4 | 39.6 |

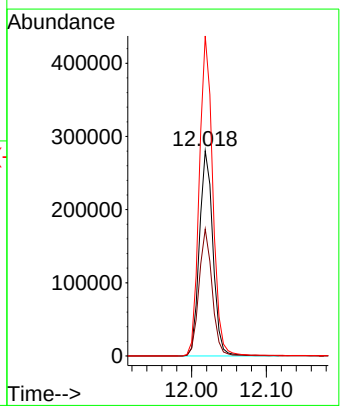



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046871.D
Acq: 03 Jul 2025 09:09

Tgt Ion:152 Resp: 351915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.5 | 42.4 | 127.1 |
| 150 | 155.3 | 0.0 | 349.2 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046871.D
Acq On : 03 Jul 2025 09:09
Operator : JC/MD
Sample : VX0703WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0703WBL01

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_X\Method\82X070225W.M
Title : SW846 8260

Signal : TIC: VX046871.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.391 | 693 | 706 | 722 | rBV3 | 252459 | 806462 | 33.72% | 6.238% |
| 2 | 5.556 | 722 | 733 | 755 | rVB | 417520 | 1288634 | 53.88% | 9.968% |
| 3 | 5.958 | 789 | 799 | 821 | rBV | 275779 | 796159 | 33.29% | 6.159% |
| 4 | 6.763 | 921 | 931 | 955 | rBV | 682915 | 1758304 | 73.51% | 13.601% |
| 5 | 8.647 | 1234 | 1240 | 1263 | rBV | 1501135 | 2391896 | 100.00% | 18.503% |
| 6 | 10.049 | 1465 | 1470 | 1488 | rBV | 1509598 | 2122659 | 88.74% | 16.420% |
| 7 | 11.079 | 1633 | 1639 | 1655 | rBV | 1270871 | 1647557 | 68.88% | 12.745% |
| 8 | 12.018 | 1788 | 1793 | 1805 | rBV | 1706389 | 2115618 | 88.45% | 16.366% |

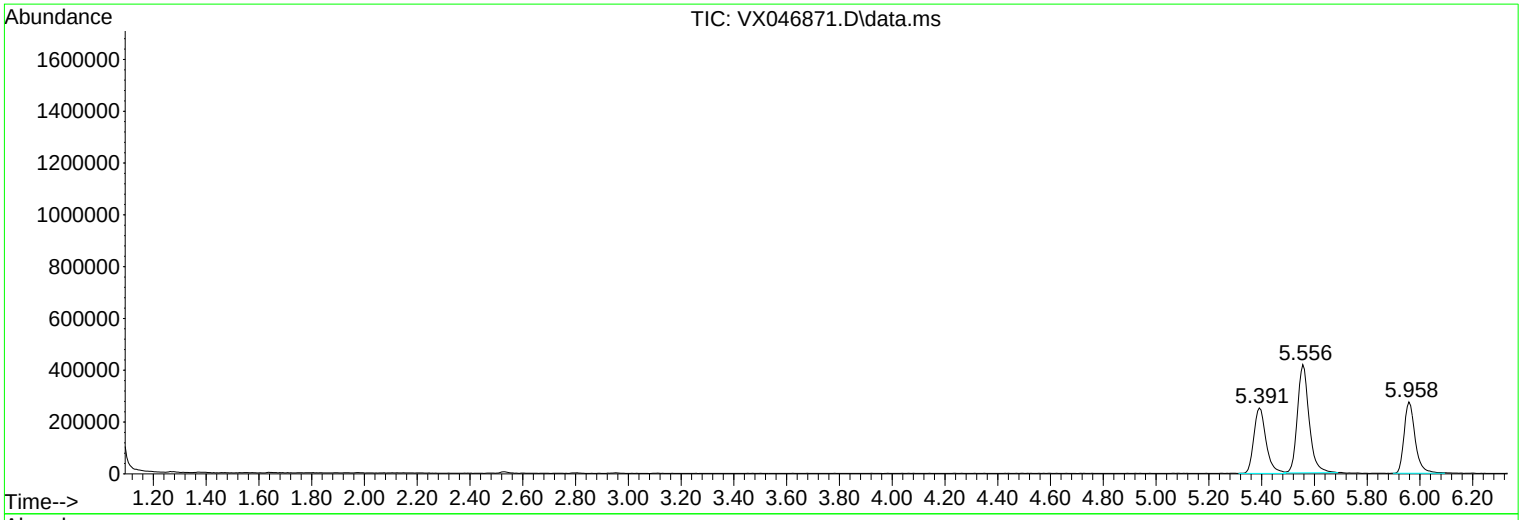
Sum of corrected areas: 12927289

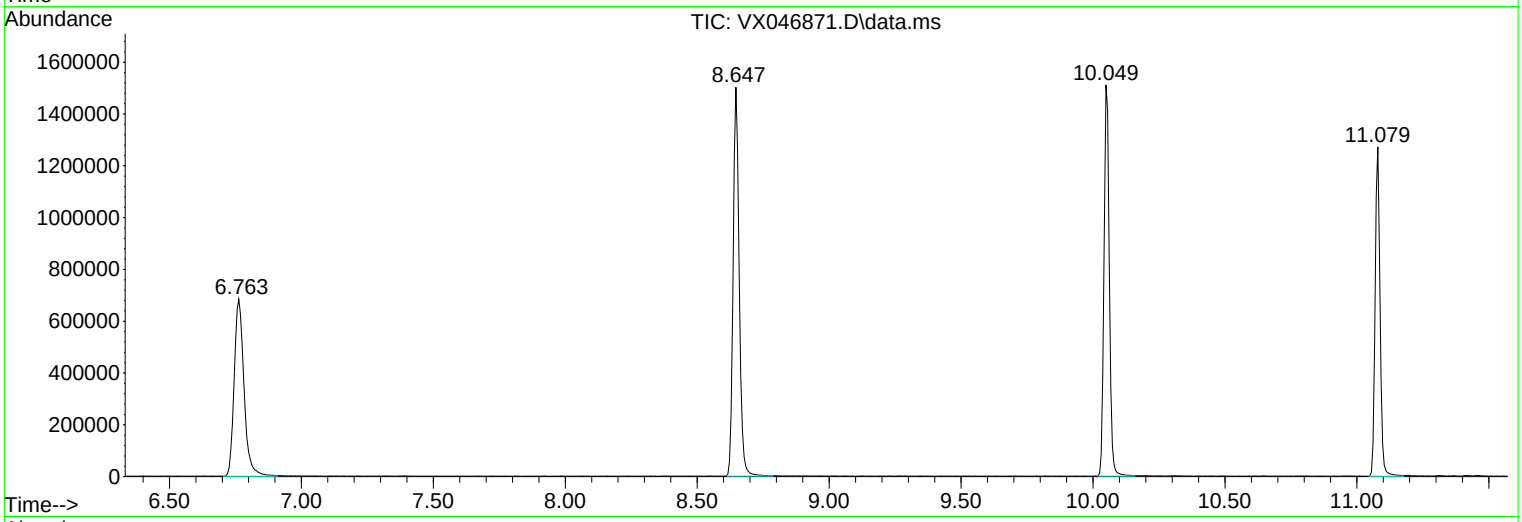
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046871.D
Acq On : 03 Jul 2025 09:09
Operator : JC/MD
Sample : VX0703WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

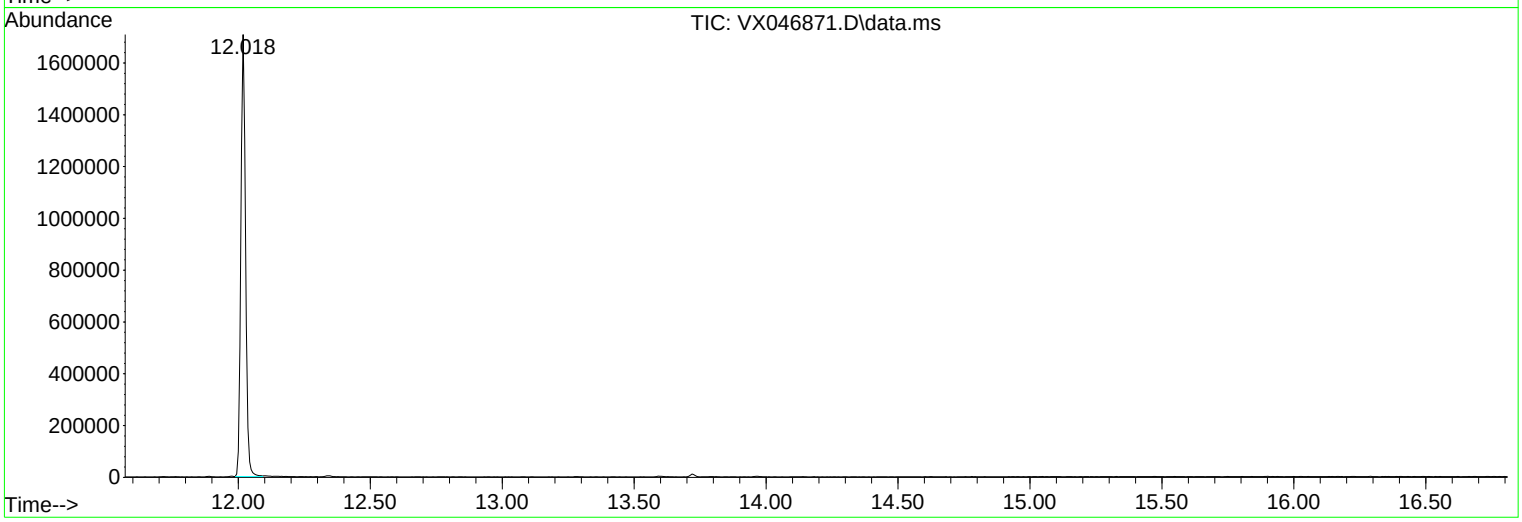
**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0703WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046871.D
Acq On : 03 Jul 2025 09:09
Operator : JC/MD
Sample : VX0703WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0703WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.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_X\Data\VX070325\
Data File : VX046871.D
Acq On : 03 Jul 2025 09:09
Operator : JC/MD
Sample : VX0703WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0703WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.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_X\Data\VX071525\
Data File : VX046989.D
Acq On : 15 Jul 2025 10:39
Operator : JC/MD
Sample : VX0715MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0715MBL01

Quant Time: Jul 16 02:21:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

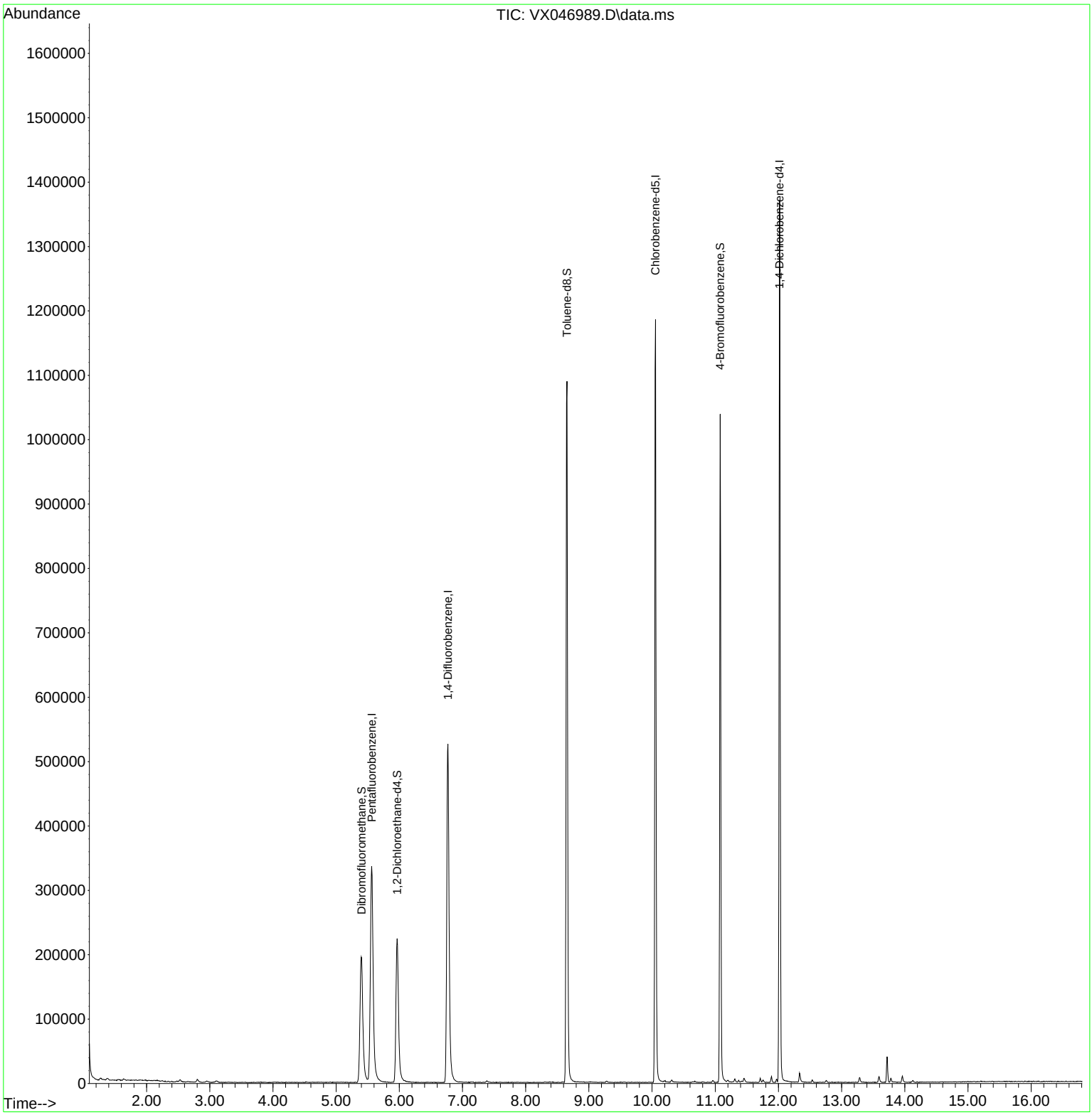
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 342671 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 579223 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 530422 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 275487 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 237011 | 52.355 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 104.700% | | | |
| 35) Dibromofluoromethane | 5.403 | 113 | 190701 | 48.502 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 97.000% | | | |
| 50) Toluene-d8 | 8.653 | 98 | 672365 | 48.469 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 96.940% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 275251 | 52.208 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 104.420% | | | |
| Target Compounds | | | | | | Qvalue |

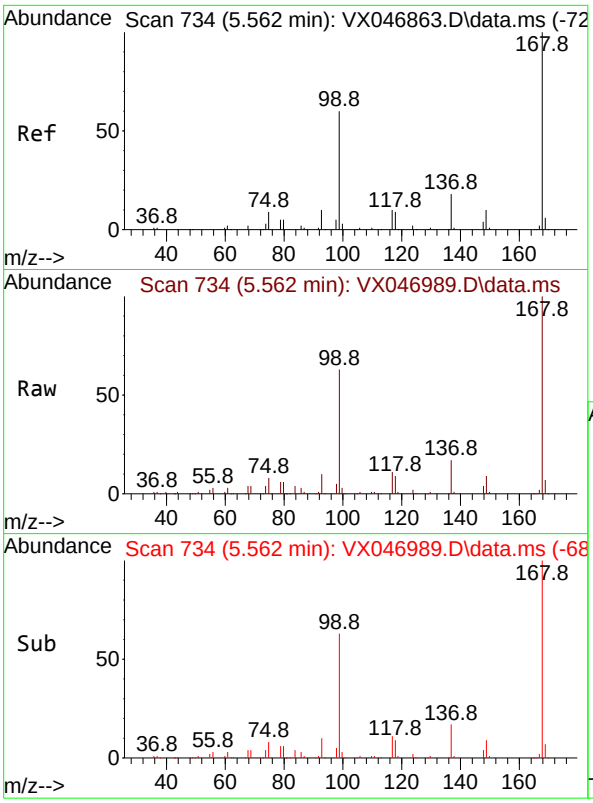
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX046989.D
Acq On : 15 Jul 2025 10:39
Operator : JC/MD
Sample : VX0715MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0715MBL01

Quant Time: Jul 16 02:21:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration



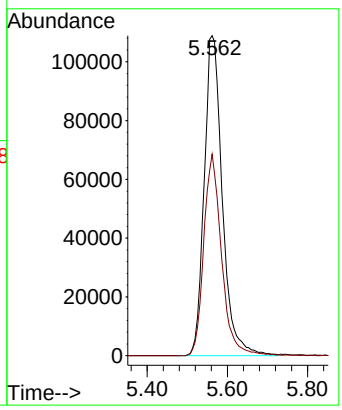


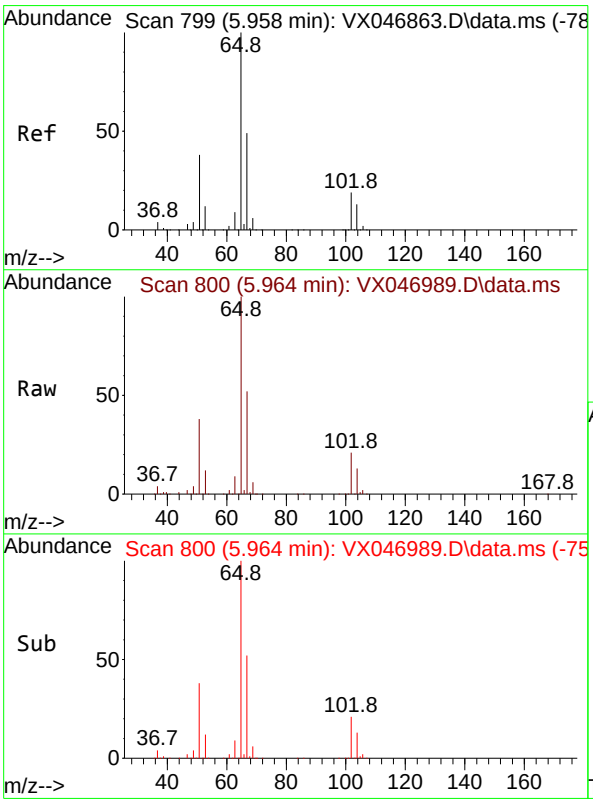

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0715MBL01

Tgt Ion:168 Resp: 342671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.9 | 48.8 | 73.2 |

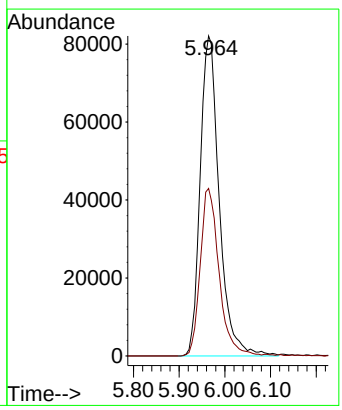


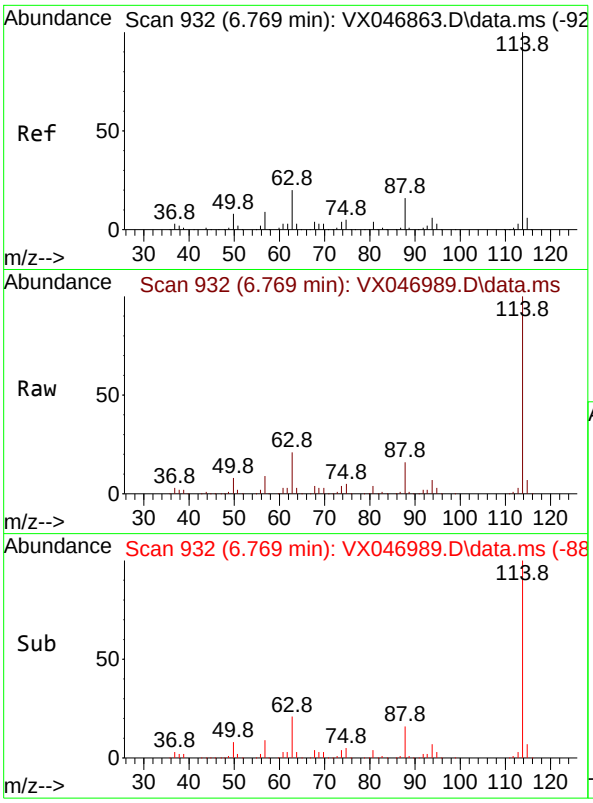




#33
1,2-Dichloroethane-d4
Concen: 52.355 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

Tgt Ion: 65 Resp: 237011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.8 | 0.0 | 105.2 |



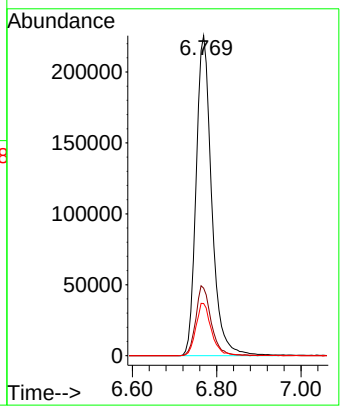


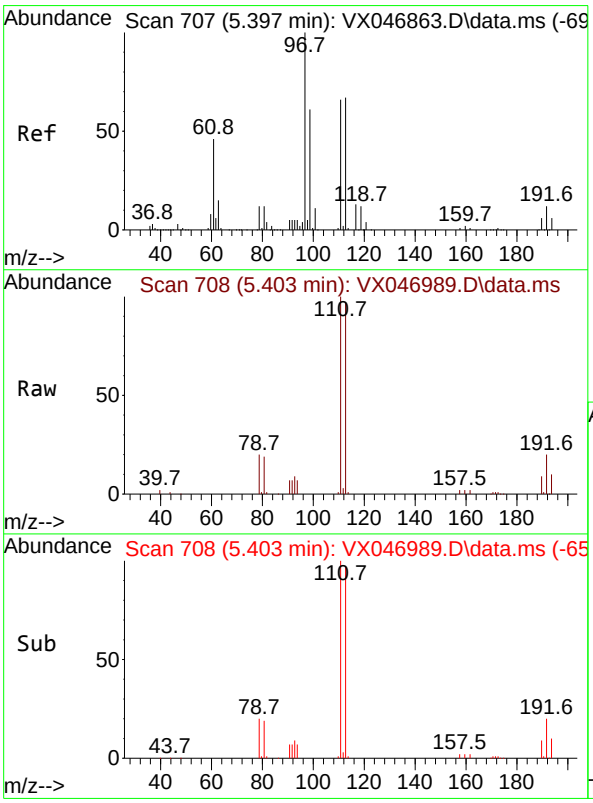

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0715MBL01

Tgt Ion:114 Resp: 579223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.1 | 0.0 | 40.4 |
| 88 | 16.3 | 0.0 | 31.0 |

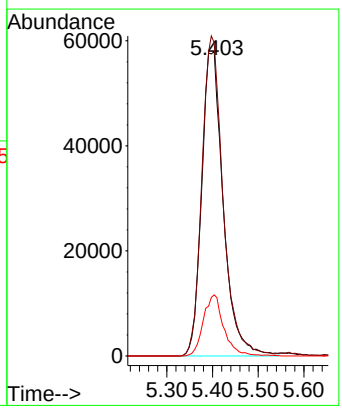


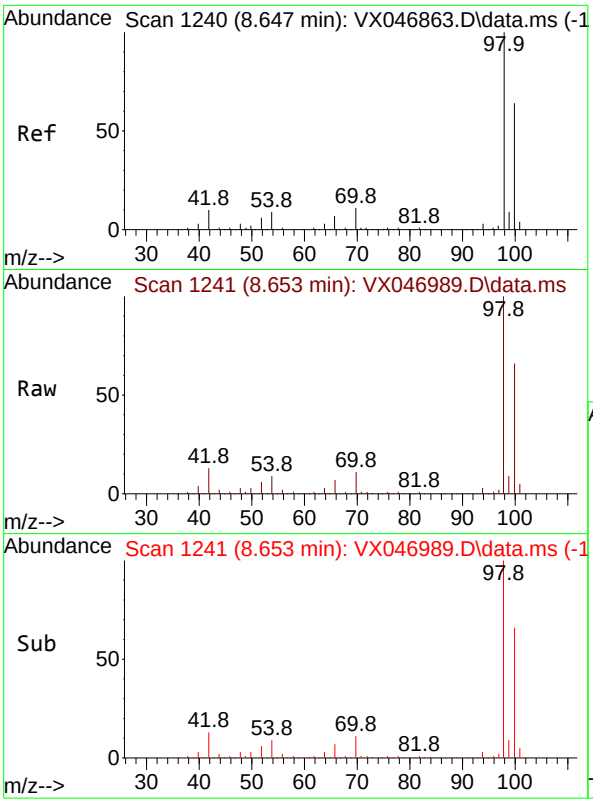




#35
Dibromofluoromethane
Concen: 48.502 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

Tgt Ion:113 Resp: 190701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.7 | 81.2 | 121.8 |
| 192 | 18.9 | 15.3 | 22.9 |



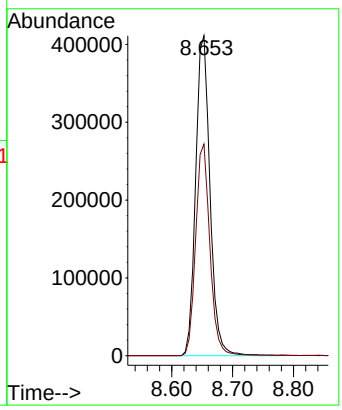


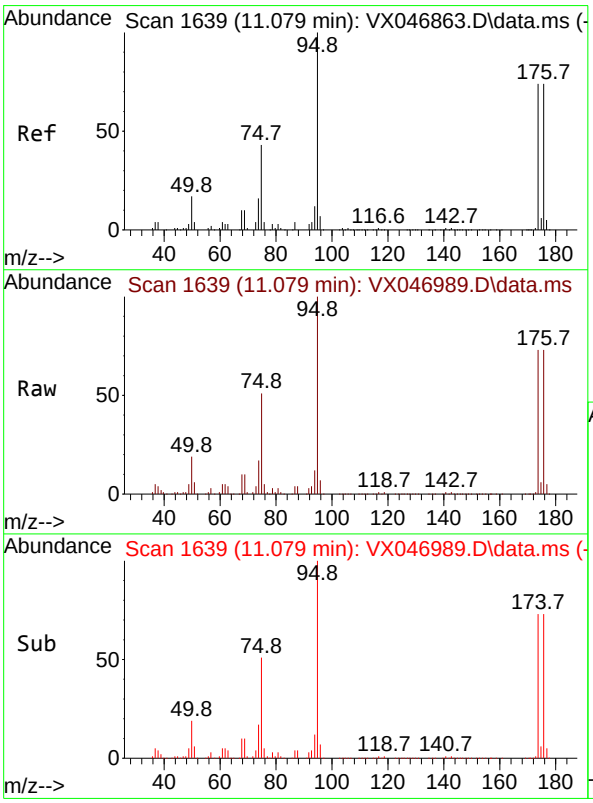

#50
Toluene-d8
Concen: 48.469 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0715MBL01

Tgt Ion: 98 Resp: 672365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.7 | 53.0 | 79.6 |

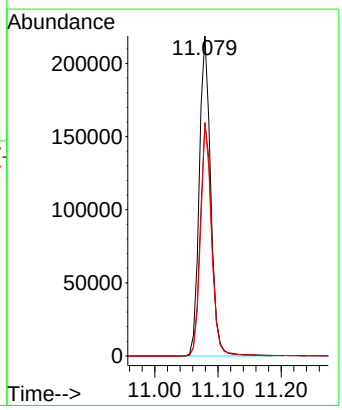


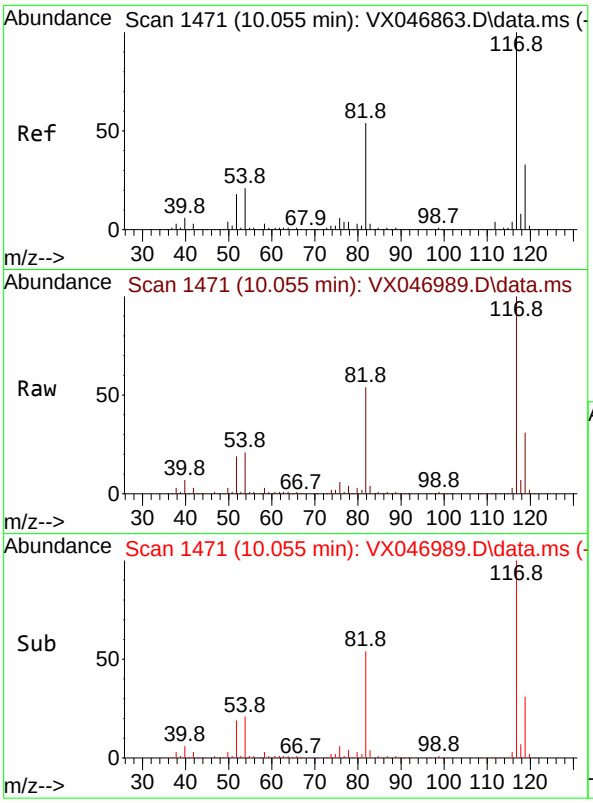




#62
4-Bromofluorobenzene
Concen: 52.208 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

Tgt Ion: 95 Resp: 275251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 73.5 | 0.0 | 152.0 |
| 176 | 70.0 | 0.0 | 145.2 |



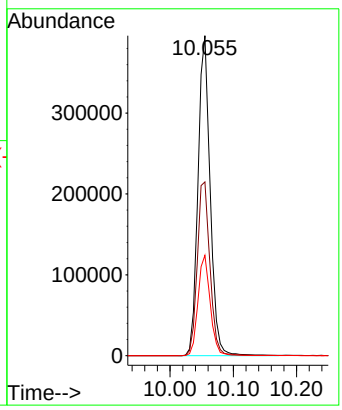


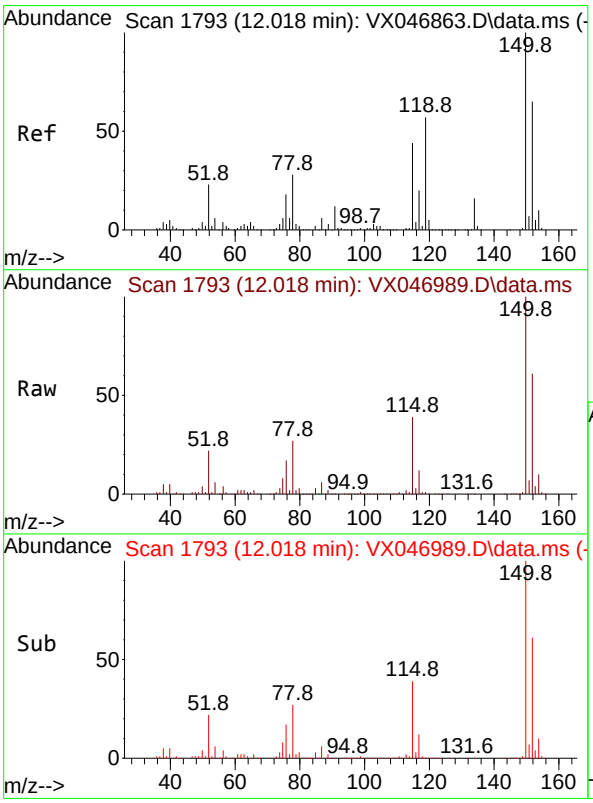

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0715MBL01

Tgt Ion:117 Resp: 530422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.3 | 43.3 | 64.9 |
| 119 | 31.4 | 26.4 | 39.6 |

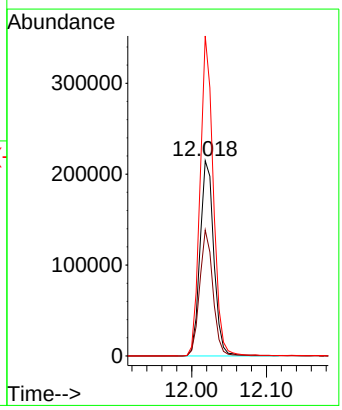



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

Tgt Ion:152 Resp: 275487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.1 | 42.4 | 127.1 |
| 150 | 156.5 | 0.0 | 349.2 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX046989.D
Acq On : 15 Jul 2025 10:39
Operator : JC/MD
Sample : VX0715MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0715MBL01

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_X\Method\82X070225W.M
Title : SW846 8260

Signal : TIC: VX046989.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.397 | 696 | 707 | 723 | rBV2 | 194944 | 630896 | 34.97% | 6.188% |
| 2 | 5.562 | 724 | 734 | 757 | rVB | 333513 | 1034092 | 57.32% | 10.143% |
| 3 | 5.964 | 790 | 800 | 818 | rBV | 222994 | 640477 | 35.50% | 6.282% |
| 4 | 6.769 | 922 | 932 | 958 | rBV | 525420 | 1365657 | 75.70% | 13.396% |
| 5 | 8.653 | 1234 | 1241 | 1261 | rBV | 1088939 | 1803965 | 100.00% | 17.695% |
| 6 | 10.055 | 1465 | 1471 | 1484 | rBV | 1185356 | 1641981 | 91.02% | 16.106% |
| 7 | 11.079 | 1634 | 1639 | 1655 | rBV | 1037479 | 1298378 | 71.97% | 12.736% |
| 8 | 12.018 | 1788 | 1793 | 1805 | rBV | 1368985 | 1703901 | 94.45% | 16.714% |
| 9 | 12.335 | 1841 | 1845 | 1857 | rVB2 | 14253 | 22657 | 1.26% | 0.222% |
| 10 | 13.719 | 2068 | 2072 | 2079 | rBV2 | 39916 | 52673 | 2.92% | 0.517% |

Sum of corrected areas: 10194677

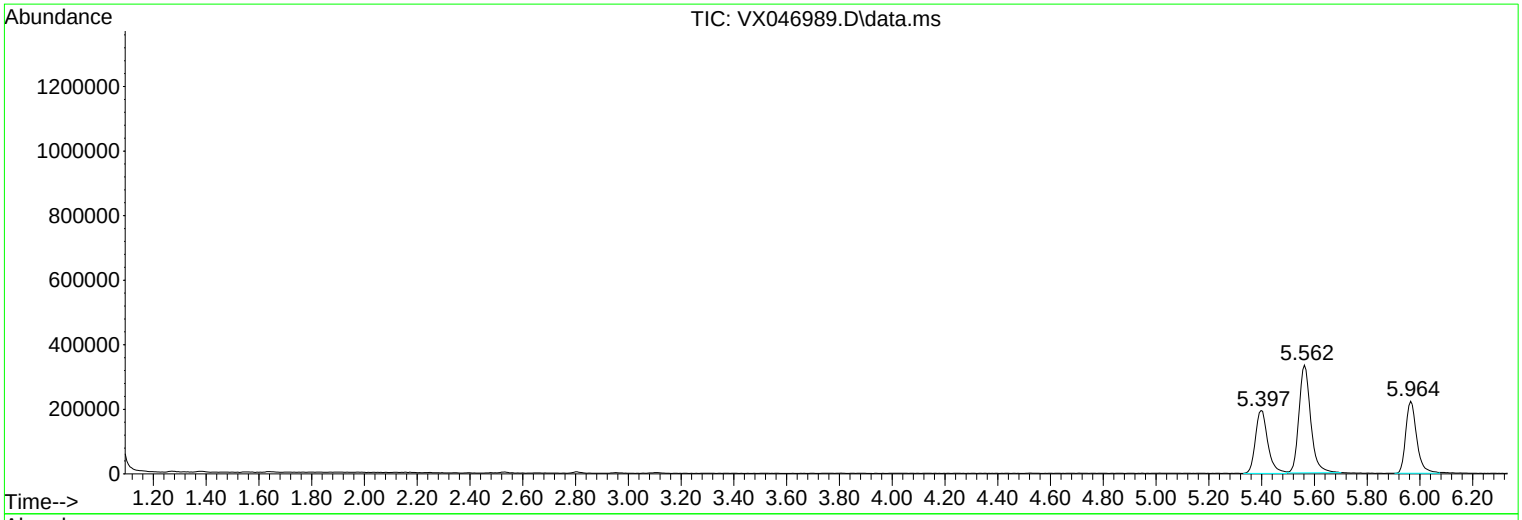
Sample Results: **VX046989.D**

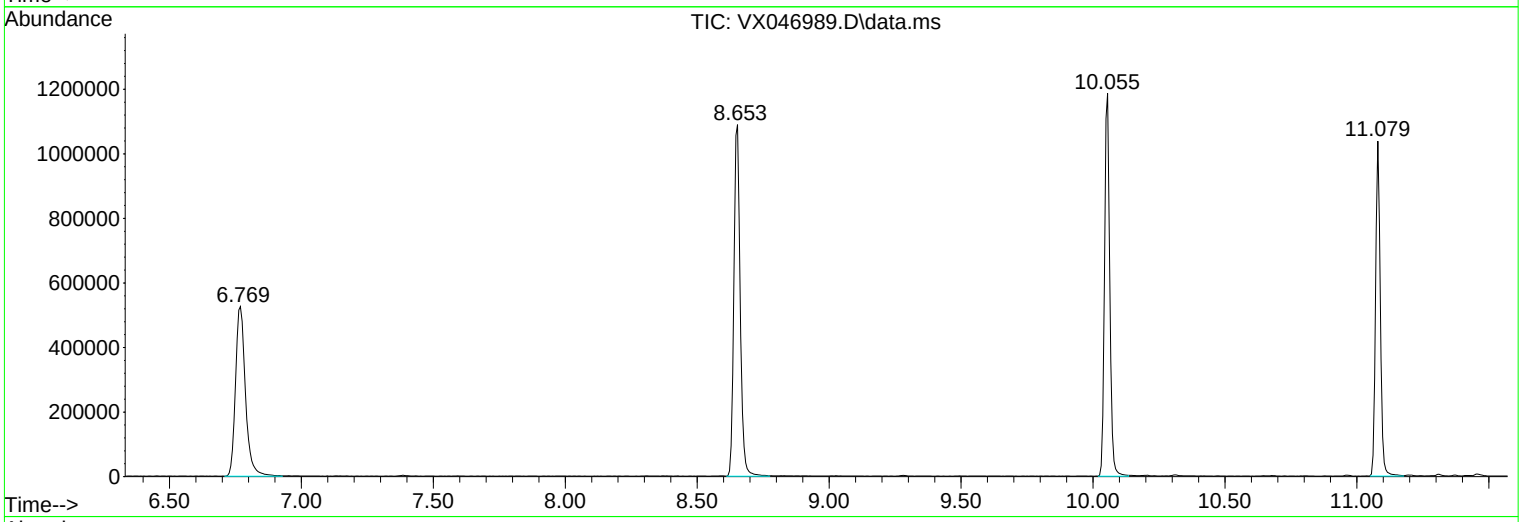
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX046989.D
Acq On : 15 Jul 2025 10:39
Operator : JC/MD
Sample : VX0715MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

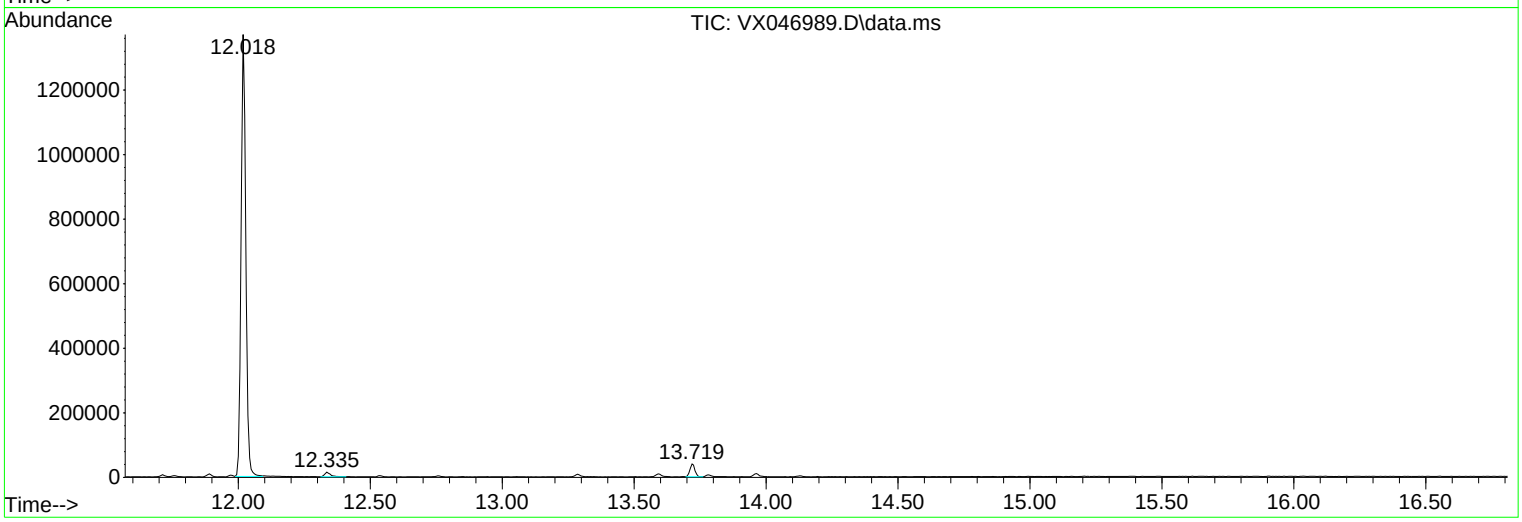
**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0715MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX046989.D
Acq On : 15 Jul 2025 10:39
Operator : JC/MD
Sample : VX0715MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0715MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.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_X\Data\VX071525\
Data File : VX046989.D
Acq On : 15 Jul 2025 10:39
Operator : JC/MD
Sample : VX0715MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0715MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.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\VW071425\
Data File : VW031838.D
Acq On : 14 Jul 2025 10:14
Operator : SY/MD
Sample : VW0714SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 15 02:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW0714SBS01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.959 | 168 | 217952 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.849 | 114 | 419177 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.629 | 117 | 378051 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 171979 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.319 | 65 | 168287 | 53.803 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 63 - 155 | | Recovery = 107.600% | | | |
| 35) Dibromofluoromethane | 7.898 | 113 | 135758 | 49.632 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 70 - 134 | | Recovery = 99.260% | | | |
| 50) Toluene-d8 | 10.325 | 98 | 523647 | 51.443 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 123 | | Recovery = 102.880% | | | |
| 62) 4-Bromofluorobenzene | 12.617 | 95 | 195906 | 52.298 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 17 - 146 | | Recovery = 104.600% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.046 | 85 | 27886 | 18.787 | ug/l | 98 |
| 3) Chloromethane | 2.259 | 50 | 35130 | 19.631 | ug/l | 98 |
| 4) Vinyl Chloride | 2.405 | 62 | 48367 | 20.563 | ug/l | 96 |
| 5) Bromomethane | 2.826 | 94 | 37087 | 20.187 | ug/l | 97 |
| 6) Chloroethane | 2.978 | 64 | 32246 | 20.183 | ug/l | 99 |
| 7) Trichlorofluoromethane | 3.308 | 101 | 35827 | 16.772 | ug/l | 89 |
| 8) Diethyl Ether | 3.722 | 74 | 34493 | 21.250 | ug/l | 95 |
| 9) 1,1,2-Trichlorotrifluo... | 4.112 | 101 | 46137 | 19.459 | ug/l | 98 |
| 10) Methyl Iodide | 4.314 | 142 | 74062 | 20.262 | ug/l | 99 |
| 11) Tert butyl alcohol | 5.222 | 59 | 17708 | 91.382 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 4.082 | 96 | 53161 | 20.470 | ug/l | 96 |
| 13) Acrolein | 3.936 | 56 | 25657 | 73.666 | ug/l | 96 |
| 14) Allyl chloride | 4.704 | 41 | 85131 | 21.365 | ug/l | 98 |
| 15) Acrylonitrile | 5.405 | 53 | 79618 | 99.746 | ug/l | 98 |
| 16) Acetone | 4.167 | 43 | 67311 | 87.065 | ug/l | 98 |
| 17) Carbon Disulfide | 4.417 | 76 | 129954 | 18.700 | ug/l | 98 |
| 18) Methyl Acetate | 4.704 | 43 | 41025 | 18.567 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 5.460 | 73 | 100300 | 22.754 | ug/l | 99 |
| 20) Methylene Chloride | 4.954 | 84 | 82155 | 24.047 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 5.460 | 96 | 59787 | 21.666 | ug/l | 94 |
| 22) Diisopropyl ether | 6.338 | 45 | 180883 | 23.276 | ug/l | 98 |
| 23) Vinyl Acetate | 6.283 | 43 | 575226 | 108.368 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 6.246 | 63 | 111909 | 22.212 | ug/l | 98 |
| 25) 2-Butanone | 7.197 | 43 | 96881 | 96.323 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 7.191 | 77 | 58709 | 19.972 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 7.191 | 96 | 70817 | 22.325 | ug/l | 100 |
| 28) Bromochloromethane | 7.533 | 49 | 48752 | 21.927 | ug/l | 100 |
| 29) Tetrahydrofuran | 7.557 | 42 | 67445 | 97.917 | ug/l | 99 |
| 30) Chloroform | 7.691 | 83 | 121573 | 22.708 | ug/l | 93 |
| 31) Cyclohexane | 7.971 | 56 | 87883 | 19.733 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 7.892 | 97 | 85467 | 20.716 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 8.093 | 75 | 80692 | 20.386 | ug/l | 99 |
| 37) Ethyl Acetate | 7.276 | 43 | 48330 | 19.356 | ug/l | 99 |
| 38) Carbon Tetrachloride | 8.087 | 117 | 72347 | 17.937 | ug/l | 96 |
| 39) Methylcyclohexane | 9.343 | 83 | 90567 | 18.391 | ug/l | 100 |
| 40) Benzene | 8.337 | 78 | 245256 | 20.943 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031838.D
Acq On : 14 Jul 2025 10:14
Operator : SY/MD
Sample : VW0714SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 15 02:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW0714SBS01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.502 | 41 | 25451 | 19.028 | ug/l | | 92 |
| 42) 1,2-Dichloroethane | 8.410 | 62 | 80807 | 20.422 | ug/l | | 100 |
| 43) Isopropyl Acetate | 8.435 | 43 | 81753 | 18.994 | ug/l | | 97 |
| 44) Trichloroethene | 9.099 | 130 | 59908 | 20.496 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 9.374 | 63 | 60430 | 21.351 | ug/l | | 99 |
| 46) Dibromomethane | 9.465 | 93 | 37053 | 20.278 | ug/l | | 97 |
| 47) Bromodichloromethane | 9.654 | 83 | 89016 | 20.775 | ug/l | | 100 |
| 48) Methyl methacrylate | 9.441 | 41 | 39807 | 18.809 | ug/l | | 97 |
| 49) 1,4-Dioxane | 9.465 | 88 | 7132 | 333.258 | ug/l | # | 91 |
| 51) 4-Methyl-2-Pentanone | 10.215 | 43 | 234264 | 94.673 | ug/l | | 99 |
| 52) Toluene | 10.392 | 92 | 160699 | 21.433 | ug/l | | 96 |
| 53) t-1,3-Dichloropropene | 10.611 | 75 | 82105 | 20.423 | ug/l | | 95 |
| 54) cis-1,3-Dichloropropene | 10.075 | 75 | 95843 | 21.030 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 10.788 | 97 | 49673 | 20.753 | ug/l | | 95 |
| 56) Ethyl methacrylate | 10.648 | 69 | 67972 | 20.932 | ug/l | | 96 |
| 57) 1,3-Dichloropropane | 10.934 | 76 | 87785 | 20.890 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 9.928 | 63 | 179746 | 100.524 | ug/l | | 99 |
| 59) 2-Hexanone | 10.971 | 43 | 160456 | 95.692 | ug/l | | 99 |
| 60) Dibromochloromethane | 11.129 | 129 | 57188 | 19.980 | ug/l | | 97 |
| 61) 1,2-Dibromoethane | 11.239 | 107 | 46829 | 19.544 | ug/l | | 98 |
| 64) Tetrachloroethene | 10.867 | 164 | 43730 | 17.684 | ug/l | | 93 |
| 65) Chlorobenzene | 11.654 | 112 | 169717 | 20.347 | ug/l | | 95 |
| 66) 1,1,1,2-Tetrachloroethane | 11.727 | 131 | 54487 | 20.499 | ug/l | | 100 |
| 67) Ethyl Benzene | 11.733 | 91 | 300085 | 20.747 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.843 | 106 | 231057 | 41.556 | ug/l | | 100 |
| 69) o-Xylene | 12.166 | 106 | 109337 | 21.238 | ug/l | | 99 |
| 70) Styrene | 12.178 | 104 | 191458 | 21.513 | ug/l | | 99 |
| 71) Bromoform | 12.349 | 173 | 29021 | 18.302 | ug/l | # | 100 |
| 73) Isopropylbenzene | 12.465 | 105 | 275112 | 21.030 | ug/l | | 99 |
| 74) N-amyl acetate | 12.269 | 43 | 74524 | 21.136 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 12.715 | 83 | 60325 | 20.771 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 12.769 | 75 | 46070m | 20.729 | ug/l | | |
| 77) Bromobenzene | 12.745 | 156 | 64951 | 22.261 | ug/l | | 88 |
| 78) n-propylbenzene | 12.800 | 91 | 343558 | 21.932 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 12.891 | 91 | 208461 | 22.099 | ug/l | | 97 |
| 80) 1,3,5-Trimethylbenzene | 12.940 | 105 | 246277 | 22.744 | ug/l | | 97 |
| 81) trans-1,4-Dichloro-2-b... | 12.507 | 75 | 17902 | 18.762 | ug/l | | 93 |
| 82) 4-Chlorotoluene | 12.983 | 91 | 221618 | 22.378 | ug/l | | 98 |
| 83) tert-Butylbenzene | 13.202 | 119 | 198157 | 21.364 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 13.245 | 105 | 253100 | 23.069 | ug/l | | 96 |
| 85) sec-Butylbenzene | 13.379 | 105 | 300477 | 21.583 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.495 | 119 | 259099 | 22.582 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 13.495 | 146 | 119680 | 20.454 | ug/l | | 96 |
| 88) 1,4-Dichlorobenzene | 13.574 | 146 | 129229 | 21.578 | ug/l | | 95 |
| 89) n-Butylbenzene | 13.818 | 91 | 240051 | 21.533 | ug/l | | 99 |
| 90) Hexachloroethane | 14.086 | 117 | 42673 | 20.615 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 13.867 | 146 | 115441 | 21.586 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.483 | 75 | 10337 | 18.229 | ug/l | | 95 |
| 93) 1,2,4-Trichlorobenzene | 15.123 | 180 | 68117 | 20.653 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 15.226 | 225 | 30212 | 18.970 | ug/l | | 90 |
| 95) Naphthalene | 15.360 | 128 | 165126 | 20.421 | ug/l | | 98 |
| 96) 1,2,3-Trichlorobenzene | 15.549 | 180 | 62893 | 20.753 | ug/l | | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031838.D
Acq On : 14 Jul 2025 10:14
Operator : SY/MD
Sample : VW0714SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 15 02:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW0714SBS01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

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

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

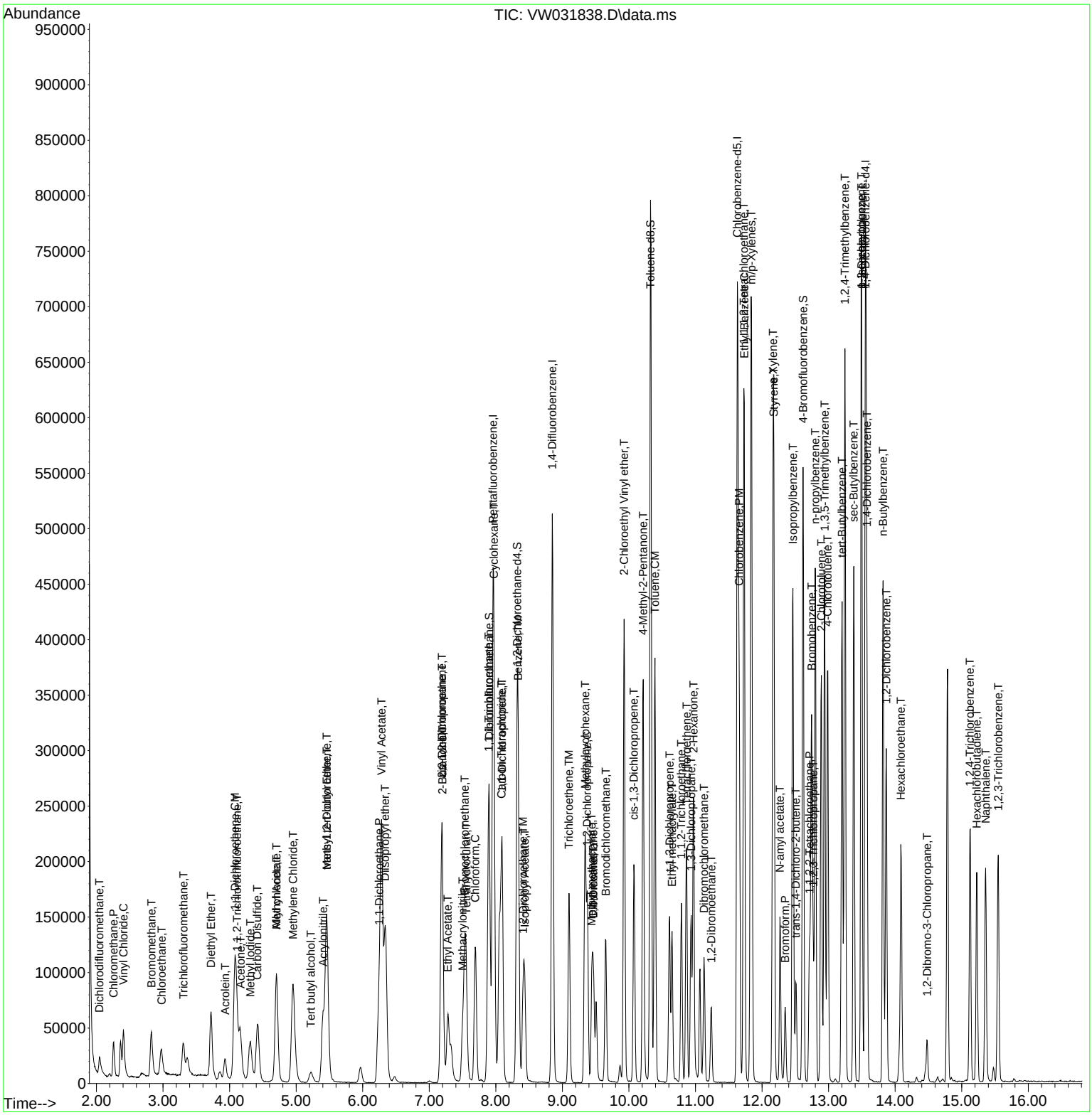
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031838.D
Acq On : 14 Jul 2025 10:14
Operator : SY/MD
Sample : VW0714SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 15 02:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW0714SBS01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046873.D
Acq On : 03 Jul 2025 09:56
Operator : JC/MD
Sample : VX0703WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 04 01:26:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0703WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 380935 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 631809 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 572542 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 293826 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 250995 | 49.875 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 99.740% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 210542 | 49.092 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 98.180% | | | |
| 50) Toluene-d8 | 8.646 | 98 | 750632 | 49.607 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 99.220% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 291553 | 50.697 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 101.400% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.184 | 85 | 68036 | 18.675 | ug/l | 97 |
| 3) Chloromethane | 1.306 | 50 | 75722 | 19.024 | ug/l | 98 |
| 4) Vinyl Chloride | 1.386 | 62 | 80875 | 18.658 | ug/l | 97 |
| 5) Bromomethane | 1.629 | 94 | 57067 | 20.491 | ug/l | 95 |
| 6) Chloroethane | 1.709 | 64 | 51958 | 18.153 | ug/l | 97 |
| 7) Trichlorofluoromethane | 1.910 | 101 | 125782 | 18.767 | ug/l | 100 |
| 8) Diethyl Ether | 2.148 | 74 | 44233 | 18.546 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.349 | 101 | 80482 | 18.845 | ug/l | 99 |
| 10) Methyl Iodide | 2.471 | 142 | 81435 | 17.503 | ug/l | 95 |
| 11) Tert butyl alcohol | 2.952 | 59 | 29156 | 88.336 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 75156 | 18.194 | ug/l | 99 |
| 13) Acrolein | 2.251 | 56 | 32484 | 90.891 | ug/l | 98 |
| 14) Allyl chloride | 2.684 | 41 | 135287 | 18.396 | ug/l | 99 |
| 15) Acrylonitrile | 3.074 | 53 | 177334 | 92.929 | ug/l | 99 |
| 16) Acetone | 2.385 | 43 | 135535 | 86.703 | ug/l | 99 |
| 17) Carbon Disulfide | 2.532 | 76 | 194647 | 17.968 | ug/l | 99 |
| 18) Methyl Acetate | 2.715 | 43 | 79351 | 19.259 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 220287 | 18.885 | ug/l | 100 |
| 20) Methylene Chloride | 2.806 | 84 | 85406 | 18.476 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 3.111 | 96 | 80998 | 19.163 | ug/l | 92 |
| 22) Diisopropyl ether | 3.769 | 45 | 278055 | 19.570 | ug/l | 91 |
| 23) Vinyl Acetate | 3.733 | 43 | 1002297 | 94.162 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.629 | 63 | 153606 | 18.957 | ug/l | 98 |
| 25) 2-Butanone | 4.568 | 43 | 194141 | 93.086 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.495 | 77 | 109423 | 18.145 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 4.507 | 96 | 98001 | 18.990 | ug/l | 99 |
| 28) Bromochloromethane | 4.909 | 49 | 63945 | 15.990 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.013 | 42 | 125617 | 94.485 | ug/l | 99 |
| 30) Chloroform | 5.104 | 83 | 157900 | 19.074 | ug/l | 99 |
| 31) Cyclohexane | 5.488 | 56 | 138302 | 19.226 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.397 | 97 | 130237 | 18.831 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.708 | 75 | 104793 | 18.110 | ug/l | 98 |
| 37) Ethyl Acetate | 4.726 | 43 | 81519 | 16.541 | ug/l | 96 |
| 38) Carbon Tetrachloride | 5.690 | 117 | 111817 | 18.278 | ug/l | 96 |
| 39) Methylcyclohexane | 7.385 | 83 | 134672 | 18.606 | ug/l | 95 |
| 40) Benzene | 6.049 | 78 | 331479 | 18.939 | ug/l | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046873.D
Acq On : 03 Jul 2025 09:56
Operator : JC/MD
Sample : VX0703WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 04 01:26:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0703WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.934 | 41 | 49384 | 18.784 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 110414 | 18.579 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.348 | 43 | 142626 | 18.894 | ug/l | | 100 |
| 44) Trichloroethene | 7.135 | 130 | 83932 | 18.422 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.433 | 63 | 82453 | 18.647 | ug/l | | 100 |
| 46) Dibromomethane | 7.586 | 93 | 56307 | 18.378 | ug/l | | 97 |
| 47) Bromodichloromethane | 7.823 | 83 | 122976 | 18.798 | ug/l | | 97 |
| 48) Methyl methacrylate | 7.695 | 41 | 72971 | 18.721 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.665 | 88 | 16908 | 374.371 | ug/l | # | 91 |
| 51) 4-Methyl-2-Pentanone | 8.573 | 43 | 424297 | 95.238 | ug/l | | 99 |
| 52) Toluene | 8.720 | 92 | 207111 | 19.096 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 107683 | 18.444 | ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 123427 | 18.521 | ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 9.152 | 97 | 77121 | 19.091 | ug/l | | 97 |
| 56) Ethyl methacrylate | 9.116 | 69 | 105762 | 18.916 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.311 | 76 | 132209 | 19.007 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 274129 | 87.015 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 272293 | 92.144 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.518 | 129 | 89907 | 18.597 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 75647 | 18.646 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.274 | 164 | 70534 | 18.503 | ug/l | | 95 |
| 65) Chlorobenzene | 10.079 | 112 | 230093 | 18.588 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.158 | 131 | 77000 | 18.504 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.195 | 91 | 400024 | 18.870 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 303388 | 37.980 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 144569 | 18.736 | ug/l | | 99 |
| 70) Styrene | 10.652 | 104 | 255321 | 19.340 | ug/l | | 100 |
| 71) Bromoform | 10.799 | 173 | 56499 | 18.260 | ug/l | | 100 |
| 73) Isopropylbenzene | 10.963 | 105 | 384896 | 18.634 | ug/l | | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 127048 | 18.101 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 103145 | 18.161 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.237 | 75 | 80806m | 17.799 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 93265 | 18.128 | ug/l | | 98 |
| 78) n-propylbenzene | 11.298 | 91 | 461151 | 18.516 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.359 | 91 | 274010 | 18.632 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 314655 | 18.748 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 28155 | 16.642 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 317541 | 18.711 | ug/l | | 98 |
| 83) tert-Butylbenzene | 11.713 | 119 | 326204 | 18.819 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 318339 | 18.766 | ug/l | | 96 |
| 85) sec-Butylbenzene | 11.890 | 105 | 411978 | 18.850 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 340932 | 18.628 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 177009 | 18.396 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 180023 | 17.977 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 317598 | 18.468 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 56665 | 17.465 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 172751 | 18.527 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.938 | 75 | 17485 | 17.601 | ug/l | | 94 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 112828 | 17.812 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 44266 | 18.530 | ug/l | | 100 |
| 95) Naphthalene | 13.774 | 128 | 308131 | 18.460 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.956 | 180 | 107332 | 17.933 | ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046873.D
Acq On : 03 Jul 2025 09:56
Operator : JC/MD
Sample : VX0703WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 04 01:26:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0703WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

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

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

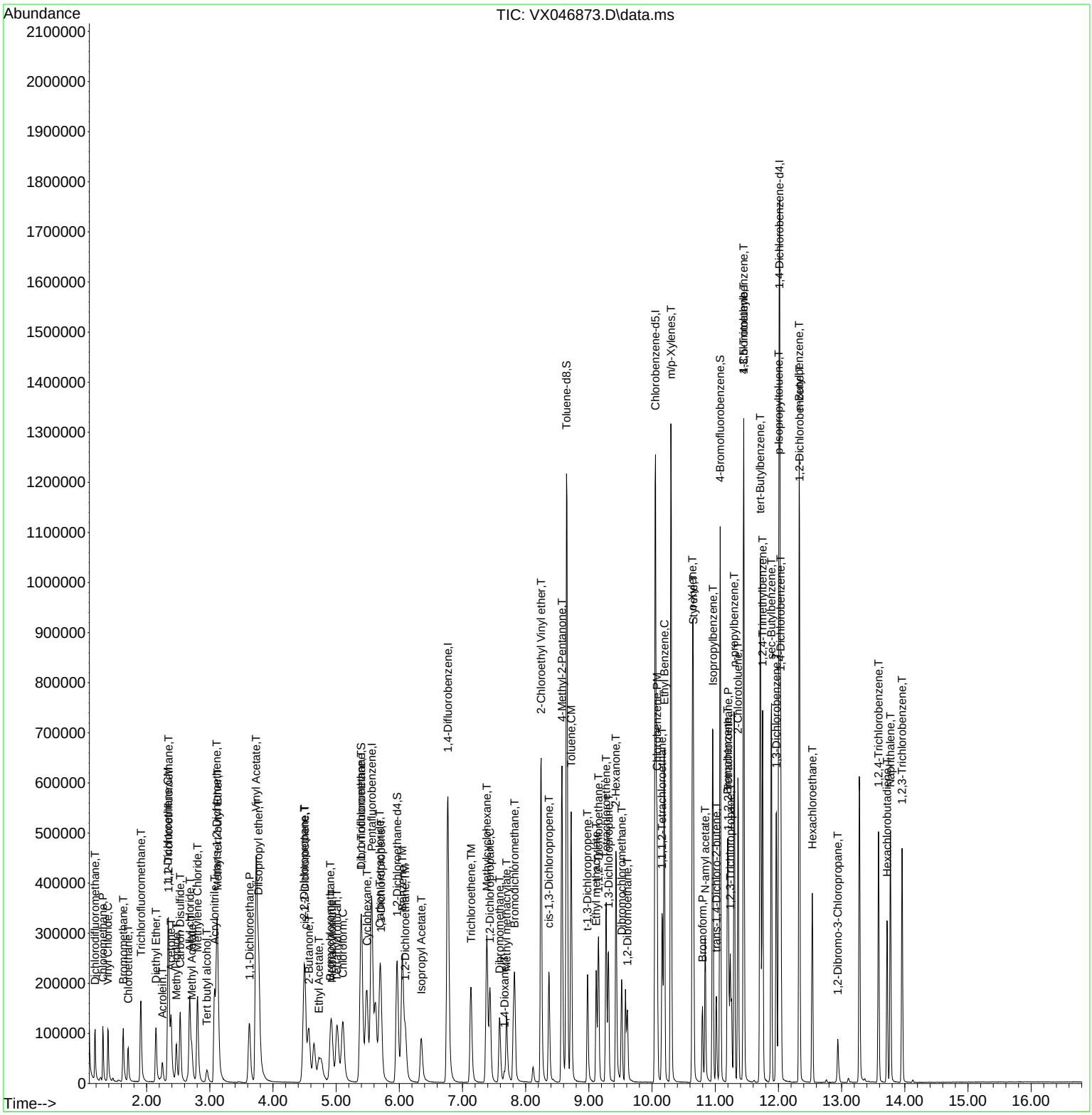
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046873.D
Acq On : 03 Jul 2025 09:56
Operator : JC/MD
Sample : VX0703WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 04 01:26:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0703WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX047007.D
Acq On : 15 Jul 2025 17:06
Operator : JC/MD
Sample : VX0715MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 16 02:30:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0715MBS01

**Manual Integrations APPROVED**
Reviewed By :John Carlone 07/16/2025
Supervised By :Mahesh Dadoda 07/16/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.568 | 168 | 310444 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 528338 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 471044 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 239011 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 221056 | 53.899 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 107.800% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 180158 | 50.234 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 100.460% | | | |
| 50) Toluene-d8 | 8.653 | 98 | 613762 | 48.505 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 97.020% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 247726 | 51.512 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 103.020% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.185 | 85 | 50624 | 17.051 | ug/l | 96 |
| 3) Chloromethane | 1.307 | 50 | 55529 | 17.119 | ug/l | 100 |
| 4) Vinyl Chloride | 1.386 | 62 | 62621 | 17.728 | ug/l | 95 |
| 5) Bromomethane | 1.624 | 94 | 41941 | 18.479 | ug/l | 98 |
| 6) Chloroethane | 1.703 | 64 | 43972 | 18.852 | ug/l | 96 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 103643 | 18.976 | ug/l | 92 |
| 8) Diethyl Ether | 2.148 | 74 | 38968 | 20.048 | ug/l | 93 |
| 9) 1,1,2-Trichlorotrifluo... | 2.349 | 101 | 65726 | 18.885 | ug/l | 98 |
| 10) Methyl Iodide | 2.471 | 142 | 52612 | 13.876 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.965 | 59 | 46075 | 171.294 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 62880 | 18.679 | ug/l | 98 |
| 13) Acrolein | 2.251 | 56 | 23837 | 82.123 | ug/l | 97 |
| 14) Allyl chloride | 2.678 | 41 | 121840 | 20.329 | ug/l | 98 |
| 15) Acrylonitrile | 3.074 | 53 | 195273 | 125.565 | ug/l | 99 |
| 16) Acetone | 2.392 | 43 | 158267 | 124.234 | ug/l | 95 |
| 17) Carbon Disulfide | 2.532 | 76 | 131949 | 14.946 | ug/l | 97 |
| 18) Methyl Acetate | 2.715 | 43 | 105599 | 31.449 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.129 | 73 | 226641 | 23.841 | ug/l | 99 |
| 20) Methylene Chloride | 2.806 | 84 | 76230 | 20.236 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.111 | 96 | 66391 | 19.274 | ug/l | 96 |
| 22) Diisopropyl ether | 3.769 | 45 | 259676 | 22.427 | ug/l # | 84 |
| 23) Vinyl Acetate | 3.733 | 43 | 994586 | 114.654 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 133612 | 20.233 | ug/l | 98 |
| 25) 2-Butanone | 4.568 | 43 | 237692 | 139.846 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.489 | 77 | 86252 | 17.550 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.507 | 96 | 85137 | 20.243 | ug/l | 100 |
| 28) Bromochloromethane | 4.916 | 49 | 70239 | 21.552 | ug/l | 97 |
| 29) Tetrahydrofuran | 5.019 | 42 | 152661 | 140.899 | ug/l | 99 |
| 30) Chloroform | 5.111 | 83 | 140047 | 20.759 | ug/l | 96 |
| 31) Cyclohexane | 5.483 | 56 | 109369 | 18.656 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 5.397 | 97 | 117504 | 20.847 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 90374 | 18.677 | ug/l | 99 |
| 37) Ethyl Acetate | 4.727 | 43 | 94504 | 22.931 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.690 | 117 | 97550 | 19.069 | ug/l | 98 |
| 39) Methylcyclohexane | 7.385 | 83 | 100843 | 16.660 | ug/l | 95 |
| 40) Benzene | 6.043 | 78 | 279584 | 19.103 | ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX047007.D
Acq On : 15 Jul 2025 17:06
Operator : JC/MD
Sample : VX0715MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 16 02:30:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0715MBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 07/16/2025
Supervised By :Mahesh Dadoda 07/16/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.934 | 41 | 54774 | 24.914 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 6.098 | 62 | 104810 | 21.089 | ug/l | | 97 |
| 43) Isopropyl Acetate | 6.348 | 43 | 162099 | 25.679 | ug/l | | 99 |
| 44) Trichloroethene | 7.135 | 130 | 68457 | 17.968 | ug/l | | 93 |
| 45) 1,2-Dichloropropane | 7.433 | 63 | 73300 | 19.823 | ug/l | | 92 |
| 46) Dibromomethane | 7.586 | 93 | 53191 | 20.761 | ug/l | | 98 |
| 47) Bromodichloromethane | 7.824 | 83 | 111412 | 20.366 | ug/l | | 97 |
| 48) Methyl methacrylate | 7.696 | 41 | 83091 | 25.492 | ug/l | | 96 |
| 49) 1,4-Dioxane | 7.665 | 88 | 21863 | 578.886 | ug/l | | 95 |
| 51) 4-Methyl-2-Pentanone | 8.573 | 43 | 516323 | 138.592 | ug/l | | 99 |
| 52) Toluene | 8.720 | 92 | 179542 | 19.797 | ug/l | | 97 |
| 53) t-1,3-Dichloropropene | 8.982 | 75 | 97384 | 19.947 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.372 | 75 | 109998 | 19.739 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 72450 | 21.447 | ug/l | | 96 |
| 56) Ethyl methacrylate | 9.116 | 69 | 112348 | 24.029 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 9.311 | 76 | 123372 | 21.210 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 264524 | 100.410 | ug/l | | 99 |
| 59) 2-Hexanone | 9.433 | 43 | 357652 | 144.733 | ug/l | | 98 |
| 60) Dibromochloromethane | 9.518 | 129 | 81124 | 20.067 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 71104 | 20.958 | ug/l | | 96 |
| 64) Tetrachloroethene | 9.275 | 164 | 56757 | 18.097 | ug/l | | 93 |
| 65) Chlorobenzene | 10.079 | 112 | 199501 | 19.589 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131 | 69339 | 20.253 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 346071 | 19.843 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 258759 | 39.373 | ug/l | | 97 |
| 69) o-Xylene | 10.640 | 106 | 126247 | 19.887 | ug/l | | 98 |
| 70) Styrene | 10.652 | 104 | 221785 | 20.420 | ug/l | | 98 |
| 71) Bromoform | 10.799 | 173 | 53510 | 21.021 | ug/l | # | 98 |
| 73) Isopropylbenzene | 10.963 | 105 | 338957 | 20.174 | ug/l | | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 145837 | 25.543 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 108923 | 23.576 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 85192m | 23.068 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 82862 | 19.799 | ug/l | | 96 |
| 78) n-propylbenzene | 11.305 | 91 | 403359 | 19.910 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 243601 | 20.364 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 280552 | 20.550 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 28681 | 20.841 | ug/l | | 93 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 284304 | 20.595 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 285636 | 20.257 | ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 283980 | 20.580 | ug/l | | 95 |
| 85) sec-Butylbenzene | 11.890 | 105 | 357652 | 20.118 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 291042 | 19.549 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 156922 | 20.049 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 156512 | 19.214 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 267548 | 19.126 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 49305 | 18.682 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 150962 | 19.903 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 20644 | 25.547 | ug/l | | 94 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 100068 | 19.420 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 34692 | 17.853 | ug/l | | 99 |
| 95) Naphthalene | 13.774 | 128 | 318027 | 23.422 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 96852 | 19.893 | ug/l | | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX047007.D
Acq On : 15 Jul 2025 17:06
Operator : JC/MD
Sample : VX0715MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 16 02:30:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0715MBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 07/16/2025
Supervised By :Mahesh Dadoda 07/16/2025

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

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

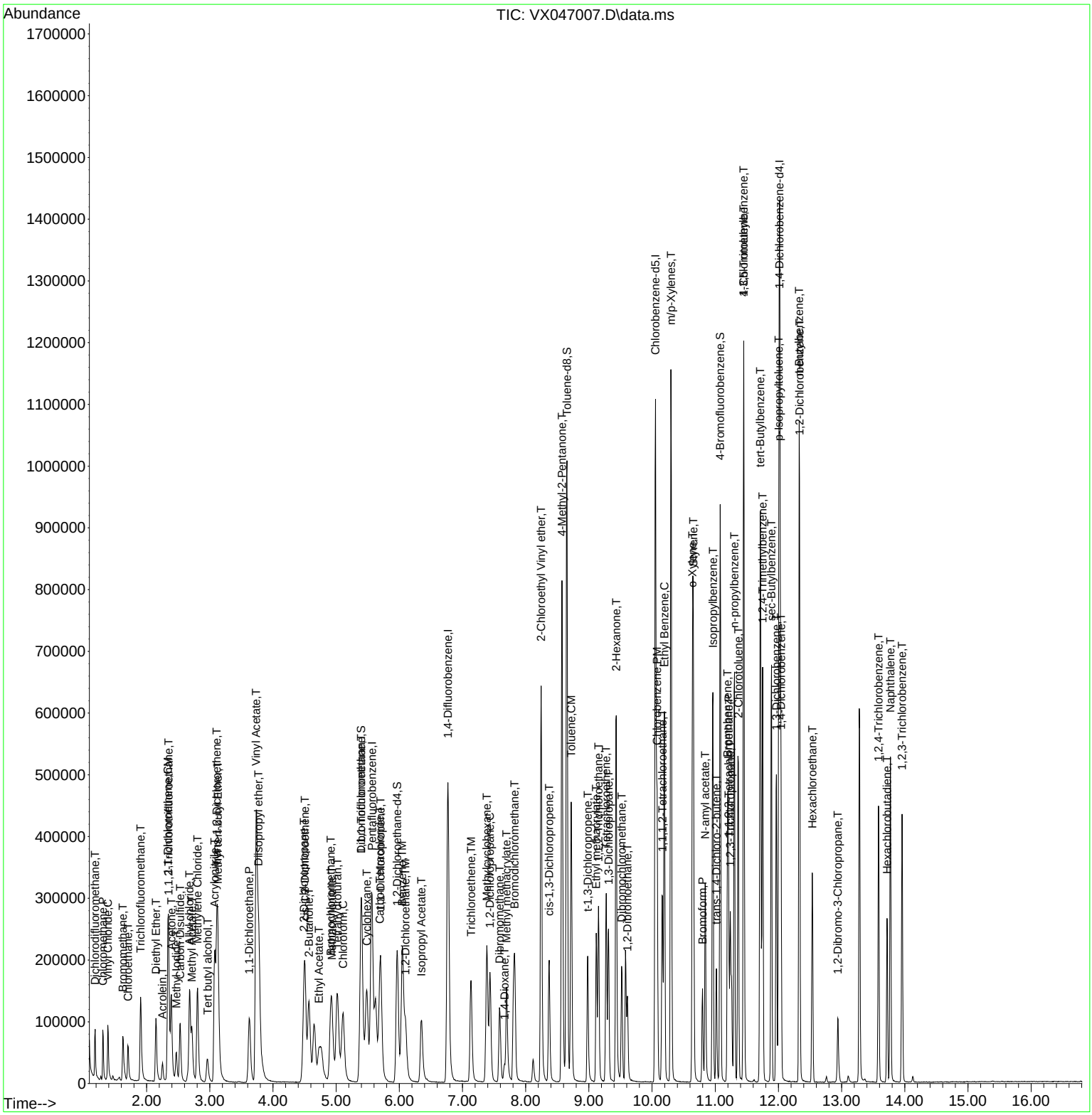
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX047007.D
Acq On : 15 Jul 2025 17:06
Operator : JC/MD
Sample : VX0715MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 16 02:30:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0715MBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 07/16/2025
Supervised By :Mahesh Dadoda 07/16/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031839.D
Acq On : 14 Jul 2025 10:36
Operator : SY/MD
Sample : VW0714SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 15 02:40:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW0714SBSD01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.965 | 168 | 213196 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.855 | 114 | 419599 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.635 | 117 | 383633 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 180632 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.319 | 65 | 168874 | 55.195 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 63 - 155 | | Recovery = 110.380% | | | |
| 35) Dibromofluoromethane | 7.904 | 113 | 141487 | 51.674 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 70 - 134 | | Recovery = 103.340% | | | |
| 50) Toluene-d8 | 10.325 | 98 | 514621 | 50.505 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 123 | | Recovery = 101.020% | | | |
| 62) 4-Bromofluorobenzene | 12.617 | 95 | 202927 | 54.118 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 17 - 146 | | Recovery = 108.240% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.052 | 85 | 24609 | 16.949 | ug/l | 99 |
| 3) Chloromethane | 2.259 | 50 | 34502 | 19.710 | ug/l | 98 |
| 4) Vinyl Chloride | 2.411 | 62 | 45927 | 19.962 | ug/l | 95 |
| 5) Bromomethane | 2.826 | 94 | 36697 | 20.420 | ug/l | 95 |
| 6) Chloroethane | 2.972 | 64 | 31465 | 20.133 | ug/l | 95 |
| 7) Trichlorofluoromethane | 3.308 | 101 | 40411 | 19.340 | ug/l | 94 |
| 8) Diethyl Ether | 3.722 | 74 | 35543 | 22.386 | ug/l | 96 |
| 9) 1,1,2-Trichlorotrifluo... | 4.100 | 101 | 45420 | 19.584 | ug/l | 97 |
| 10) Methyl Iodide | 4.314 | 142 | 71247 | 19.927 | ug/l | 99 |
| 11) Tert butyl alcohol | 5.234 | 59 | 20449 | 107.881 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 4.082 | 96 | 50821 | 20.005 | ug/l | 92 |
| 13) Acrolein | 3.936 | 56 | 25636 | 75.248 | ug/l | 95 |
| 14) Allyl chloride | 4.704 | 41 | 81670 | 20.953 | ug/l | 98 |
| 15) Acrylonitrile | 5.405 | 53 | 84019 | 107.608 | ug/l | 99 |
| 16) Acetone | 4.167 | 43 | 75082 | 99.283 | ug/l | 94 |
| 17) Carbon Disulfide | 4.429 | 76 | 125753 | 18.499 | ug/l | 98 |
| 18) Methyl Acetate | 4.710 | 43 | 45134 | 20.883 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 5.466 | 73 | 98454 | 22.834 | ug/l | 99 |
| 20) Methylene Chloride | 4.960 | 84 | 81509 | 24.463 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 5.460 | 96 | 57078 | 21.146 | ug/l | 98 |
| 22) Diisopropyl ether | 6.344 | 45 | 179249 | 23.580 | ug/l | 98 |
| 23) Vinyl Acetate | 6.289 | 43 | 593190 | 114.245 | ug/l | 97 |
| 24) 1,1-Dichloroethane | 6.252 | 63 | 109046 | 22.126 | ug/l | 99 |
| 25) 2-Butanone | 7.197 | 43 | 109501 | 111.299 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 7.185 | 77 | 57198 | 19.892 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 7.191 | 96 | 69492 | 22.396 | ug/l | 98 |
| 28) Bromochloromethane | 7.532 | 49 | 49771 | 22.885 | ug/l | 99 |
| 29) Tetrahydrofuran | 7.557 | 42 | 74733 | 110.918 | ug/l | 99 |
| 30) Chloroform | 7.697 | 83 | 117943 | 22.522 | ug/l | 99 |
| 31) Cyclohexane | 7.971 | 56 | 86315 | 19.813 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 7.886 | 97 | 83140 | 20.601 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 8.099 | 75 | 76947 | 19.421 | ug/l | 99 |
| 37) Ethyl Acetate | 7.276 | 43 | 50983 | 20.398 | ug/l | 100 |
| 38) Carbon Tetrachloride | 8.081 | 117 | 74893 | 18.549 | ug/l | 99 |
| 39) Methylcyclohexane | 9.343 | 83 | 89385 | 18.133 | ug/l | 94 |
| 40) Benzene | 8.337 | 78 | 244539 | 20.861 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031839.D
Acq On : 14 Jul 2025 10:36
Operator : SY/MD
Sample : VW0714SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 15 02:40:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW0714SBSD01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.502 | 41 | 27875 | 20.819 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 8.410 | 62 | 81454 | 20.565 | ug/l | | 98 |
| 43) Isopropyl Acetate | 8.441 | 43 | 87779 | 20.374 | ug/l | | 98 |
| 44) Trichloroethene | 9.099 | 130 | 57013 | 19.486 | ug/l | | 95 |
| 45) 1,2-Dichloropropane | 9.380 | 63 | 57958 | 20.457 | ug/l | | 100 |
| 46) Dibromomethane | 9.465 | 93 | 37747 | 20.637 | ug/l | | 97 |
| 47) Bromodichloromethane | 9.654 | 83 | 89141 | 20.783 | ug/l | | 99 |
| 48) Methyl methacrylate | 9.447 | 41 | 43023 | 20.309 | ug/l | | 97 |
| 49) 1,4-Dioxane | 9.465 | 88 | 9243 | 431.465 | ug/l | # | 96 |
| 51) 4-Methyl-2-Pentanone | 10.215 | 43 | 256818 | 103.684 | ug/l | | 100 |
| 52) Toluene | 10.392 | 92 | 158007 | 21.053 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 10.611 | 75 | 84553 | 21.011 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 10.075 | 75 | 95766 | 20.992 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 10.788 | 97 | 50275 | 20.983 | ug/l | | 97 |
| 56) Ethyl methacrylate | 10.648 | 69 | 71692 | 22.056 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 10.934 | 76 | 90014 | 21.398 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 9.928 | 63 | 193414 | 108.059 | ug/l | | 98 |
| 59) 2-Hexanone | 10.971 | 43 | 180082 | 107.289 | ug/l | | 99 |
| 60) Dibromochloromethane | 11.129 | 129 | 55936 | 19.523 | ug/l | | 93 |
| 61) 1,2-Dibromoethane | 11.239 | 107 | 49994 | 20.843 | ug/l | | 98 |
| 64) Tetrachloroethene | 10.861 | 164 | 43464 | 17.320 | ug/l | | 92 |
| 65) Chlorobenzene | 11.654 | 112 | 166946 | 19.724 | ug/l | | 94 |
| 66) 1,1,1,2-Tetrachloroethane | 11.733 | 131 | 54305 | 20.133 | ug/l | | 97 |
| 67) Ethyl Benzene | 11.727 | 91 | 300048 | 20.443 | ug/l | | 96 |
| 68) m/p-Xylenes | 11.837 | 106 | 224555 | 39.799 | ug/l | | 99 |
| 69) o-Xylene | 12.166 | 106 | 107272 | 20.534 | ug/l | | 99 |
| 70) Styrene | 12.178 | 104 | 183895 | 20.362 | ug/l | | 98 |
| 71) Bromoform | 12.349 | 173 | 30684 | 19.069 | ug/l | # | 98 |
| 73) Isopropylbenzene | 12.465 | 105 | 280880 | 20.443 | ug/l | | 98 |
| 74) N-amyl acetate | 12.269 | 43 | 81575 | 22.027 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83 | 63391 | 20.781 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.763 | 75 | 48982m | 20.984 | ug/l | | |
| 77) Bromobenzene | 12.745 | 156 | 61500 | 20.069 | ug/l | | 94 |
| 78) n-propylbenzene | 12.800 | 91 | 337459 | 20.510 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 12.891 | 91 | 209747 | 21.170 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.940 | 105 | 238168 | 20.941 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.513 | 75 | 18854 | 18.813 | ug/l | | 92 |
| 82) 4-Chlorotoluene | 12.989 | 91 | 218429 | 20.999 | ug/l | | 100 |
| 83) tert-Butylbenzene | 13.202 | 119 | 194261 | 19.940 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.245 | 105 | 241588 | 20.965 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.379 | 105 | 293323 | 20.059 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.495 | 119 | 247144 | 20.508 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.495 | 146 | 124859 | 20.317 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.574 | 146 | 126920 | 20.177 | ug/l | | 94 |
| 89) n-Butylbenzene | 13.818 | 91 | 234809 | 20.054 | ug/l | | 98 |
| 90) Hexachloroethane | 14.092 | 117 | 41932 | 19.287 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 13.867 | 146 | 116784 | 20.791 | ug/l | | 97 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.476 | 75 | 11462 | 19.244 | ug/l | | 95 |
| 93) 1,2,4-Trichlorobenzene | 15.129 | 180 | 68535 | 19.784 | ug/l | | 95 |
| 94) Hexachlorobutadiene | 15.226 | 225 | 28897 | 17.275 | ug/l | | 95 |
| 95) Naphthalene | 15.360 | 128 | 167105 | 19.676 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.549 | 180 | 61227 | 19.235 | ug/l | | 91 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031839.D
Acq On : 14 Jul 2025 10:36
Operator : SY/MD
Sample : VW0714SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 15 02:40:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW0714SBSD01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

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

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

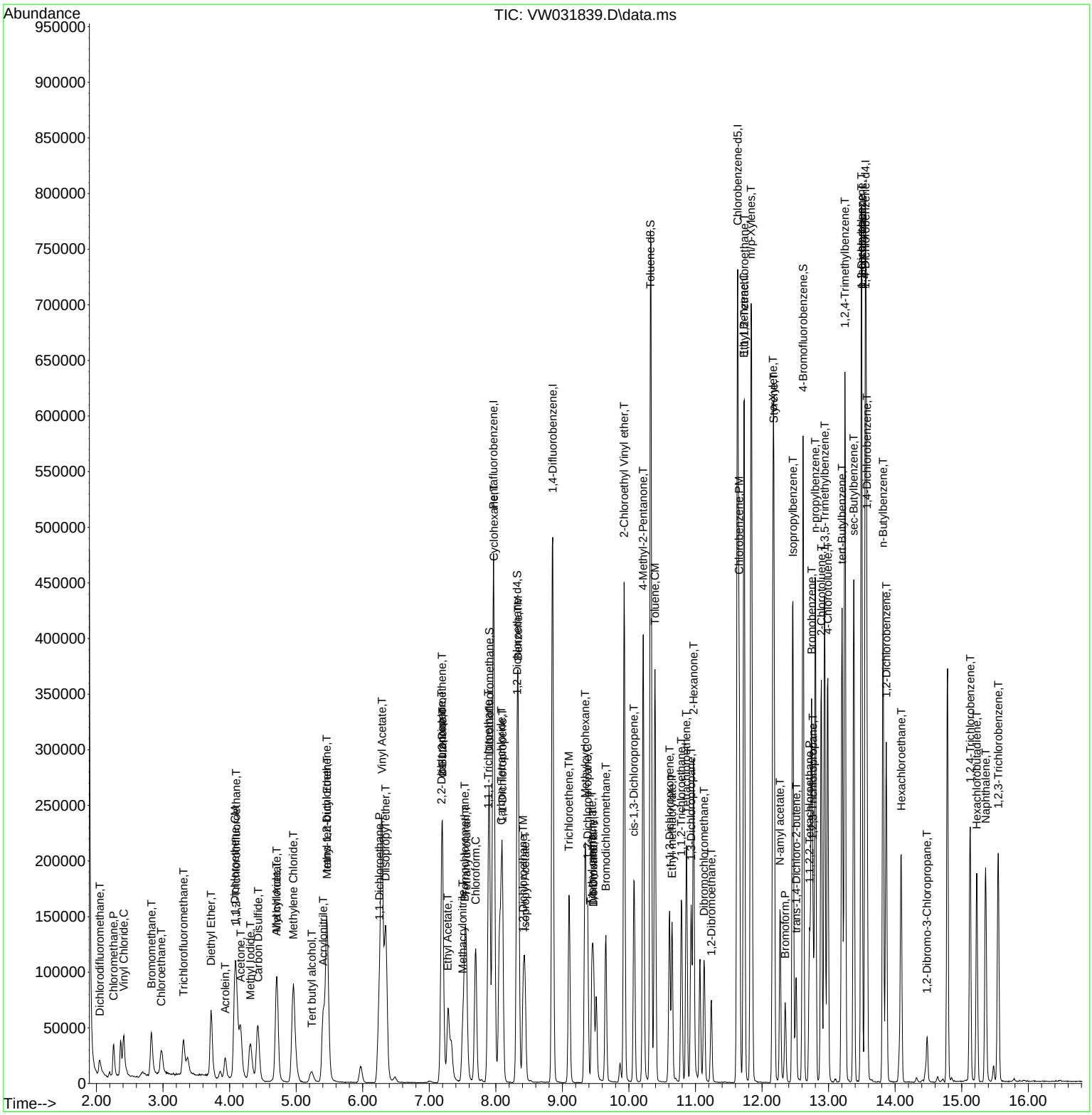
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031839.D
Acq On : 14 Jul 2025 10:36
Operator : SY/MD
Sample : VW0714SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 15 02:40:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW0714SBSD01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046874.D
Acq On : 03 Jul 2025 10:23
Operator : JC/MD
Sample : VX0703WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 04 01:27:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0703WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 339915 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 568093 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 517645 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 269874 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 230519 | 51.334 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 102.660% | | | |
| 35) Dibromofluoromethane | 5.391 | 113 | 191861 | 49.754 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 99.500% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 671040 | 49.321 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 98.640% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 264089 | 51.072 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 102.140% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 62729 | 19.296 | ug/l | 98 |
| 3) Chloromethane | 1.307 | 50 | 69050 | 19.441 | ug/l | 98 |
| 4) Vinyl Chloride | 1.386 | 62 | 73973 | 19.126 | ug/l | 97 |
| 5) Bromomethane | 1.630 | 94 | 51002 | 20.523 | ug/l | 97 |
| 6) Chloroethane | 1.703 | 64 | 48021 | 18.803 | ug/l | 94 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 116515 | 19.483 | ug/l | 98 |
| 8) Diethyl Ether | 2.142 | 74 | 43182 | 20.290 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 74499 | 19.550 | ug/l | 99 |
| 10) Methyl Iodide | 2.471 | 142 | 82580 | 19.891 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.947 | 59 | 28802 | 97.794 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 70748 | 19.194 | ug/l | 99 |
| 13) Acrolein | 2.246 | 56 | 31524 | 98.601 | ug/l | 97 |
| 14) Allyl chloride | 2.678 | 41 | 127246 | 19.390 | ug/l | 99 |
| 15) Acrylonitrile | 3.069 | 53 | 169062 | 99.285 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 126884 | 90.964 | ug/l | 100 |
| 17) Carbon Disulfide | 2.526 | 76 | 178758 | 18.493 | ug/l | 100 |
| 18) Methyl Acetate | 2.715 | 43 | 75310 | 20.484 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 213289 | 20.491 | ug/l | 99 |
| 20) Methylene Chloride | 2.800 | 84 | 81945 | 19.867 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 75072 | 19.904 | ug/l | 99 |
| 22) Diisopropyl ether | 3.764 | 45 | 265963 | 20.978 | ug/l # | 83 |
| 23) Vinyl Acetate | 3.727 | 43 | 972517 | 102.390 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 142037 | 19.644 | ug/l | 99 |
| 25) 2-Butanone | 4.556 | 43 | 183656 | 98.685 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.483 | 77 | 100620 | 18.699 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 4.495 | 96 | 91771 | 19.929 | ug/l | 100 |
| 28) Bromochloromethane | 4.904 | 49 | 62290 | 17.456 | ug/l | 97 |
| 29) Tetrahydrofuran | 5.007 | 42 | 121593 | 102.495 | ug/l | 99 |
| 30) Chloroform | 5.105 | 83 | 148570 | 20.113 | ug/l | 94 |
| 31) Cyclohexane | 5.483 | 56 | 128775 | 20.062 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.391 | 97 | 120018 | 19.447 | ug/l | 97 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 100414 | 19.300 | ug/l | 99 |
| 37) Ethyl Acetate | 4.721 | 43 | 80747 | 18.222 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.684 | 117 | 107033 | 19.458 | ug/l | 99 |
| 39) Methylcyclohexane | 7.385 | 83 | 125862 | 19.339 | ug/l | 98 |
| 40) Benzene | 6.044 | 78 | 311436 | 19.790 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046874.D
Acq On : 03 Jul 2025 10:23
Operator : JC/MD
Sample : VX0703WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 04 01:27:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0703WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 46583 | 19.706 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 108647 | 20.332 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 135993 | 20.036 | ug/l | | 99 |
| 44) Trichloroethene | 7.129 | 130 | 77478 | 18.913 | ug/l | | 85 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 79235 | 19.929 | ug/l | | 95 |
| 46) Dibromomethane | 7.586 | 93 | 54568 | 19.808 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.824 | 83 | 117624 | 19.997 | ug/l | | 98 |
| 48) Methyl methacrylate | 7.696 | 41 | 70912 | 20.233 | ug/l | | 97 |
| 49) 1,4-Dioxane | 7.659 | 88 | 16565 | 407.913 | ug/l | | 99 |
| 51) 4-Methyl-2-Pentanone | 8.568 | 43 | 407426 | 101.708 | ug/l | | 100 |
| 52) Toluene | 8.714 | 92 | 195560 | 20.054 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 103725 | 19.759 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 121606 | 20.295 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 75284 | 20.726 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 102805 | 20.449 | ug/l | | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 127139 | 20.328 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 267457 | 94.419 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 273252 | 102.840 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 87002 | 20.015 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 73148 | 20.052 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.269 | 164 | 66459 | 19.283 | ug/l | | 95 |
| 65) Chlorobenzene | 10.080 | 112 | 216580 | 19.352 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 73712 | 19.593 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 377341 | 19.688 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 287999 | 39.877 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 137563 | 19.719 | ug/l | | 99 |
| 70) Styrene | 10.653 | 104 | 240484 | 20.148 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 54017 | 19.310 | ug/l | # | 98 |
| 73) Isopropylbenzene | 10.957 | 105 | 363745 | 19.173 | ug/l | | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 120882 | 18.751 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 101199 | 19.399 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 81097m | 19.448 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 90550 | 19.162 | ug/l | | 99 |
| 78) n-propylbenzene | 11.299 | 91 | 434180 | 18.980 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 259147 | 19.186 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 300217 | 19.476 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 27189 | 17.497 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 300371 | 19.270 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 310012 | 19.472 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 303925 | 19.506 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.884 | 105 | 388639 | 19.361 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 325932 | 19.389 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 171703 | 19.428 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.037 | 146 | 173114 | 18.821 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 300821 | 19.045 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 55235 | 18.535 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 12.329 | 146 | 167127 | 19.514 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 17286 | 18.945 | ug/l | | 96 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 106589 | 18.320 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 41848 | 19.072 | ug/l | | 99 |
| 95) Naphthalene | 13.774 | 128 | 298705 | 19.483 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 106976 | 19.459 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046874.D
Acq On : 03 Jul 2025 10:23
Operator : JC/MD
Sample : VX0703WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 04 01:27:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0703WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

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

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

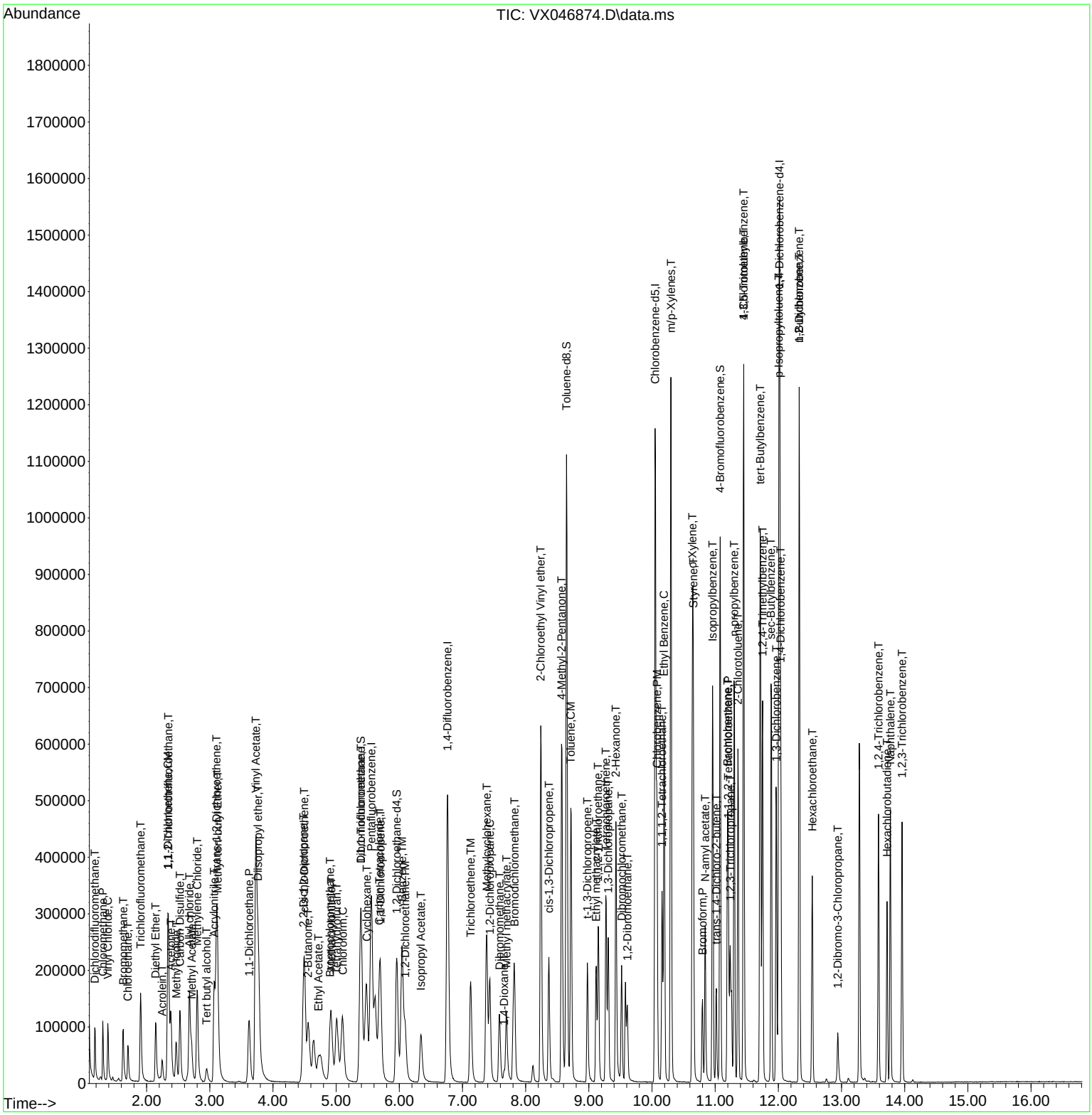
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046874.D
Acq On : 03 Jul 2025 10:23
Operator : JC/MD
Sample : VX0703WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 04 01:27:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0703WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025



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



# Manual Integration Report

| Sequence: | VW063025 | Instrument | MSVOA_w |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDICC005 | VW031729.D | 1,2,3-Trichloropropane | MMDadoda | 7/1/2025 12:21:33 PM | SAM | 7/1/2025 12:24:10 PM | Peak Integrated by Software |
| VSTDICC005 | VW031729.D | 1,4-Dioxane | MMDadoda | 7/1/2025 12:21:33 PM | SAM | 7/1/2025 12:24:10 PM | Peak Integrated by Software |
| VSTDICC005 | VW031729.D | Acetone | MMDadoda | 7/1/2025 12:21:33 PM | SAM | 7/1/2025 12:24:10 PM | Peak Integrated by Software |
| VSTDICC005 | VW031729.D | Ethyl Acetate | MMDadoda | 7/1/2025 12:21:33 PM | SAM | 7/1/2025 12:24:10 PM | Peak Integrated by Software |
| VSTDICC005 | VW031729.D | Tert butyl alcohol | MMDadoda | 7/1/2025 12:21:33 PM | SAM | 7/1/2025 12:24:10 PM | Peak Integrated by Software |
| VSTDICC010 | VW031730.D | 1,2,3-Trichloropropane | MMDadoda | 7/1/2025 12:21:34 PM | SAM | 7/1/2025 12:24:11 PM | Peak Integrated by Software |
| VSTDICC010 | VW031730.D | 1,4-Dioxane | MMDadoda | 7/1/2025 12:21:34 PM | SAM | 7/1/2025 12:24:11 PM | Peak Integrated by Software |
| VSTDICC010 | VW031730.D | Tert butyl alcohol | MMDadoda | 7/1/2025 12:21:34 PM | SAM | 7/1/2025 12:24:11 PM | Peak Integrated by Software |
| VSTDICC020 | VW031731.D | 1,2,3-Trichloropropane | MMDadoda | 7/1/2025 12:21:36 PM | SAM | 7/1/2025 12:24:13 PM | Peak Integrated by Software |
| VSTDICC020 | VW031731.D | 1,4-Dioxane | MMDadoda | 7/1/2025 12:21:36 PM | SAM | 7/1/2025 12:24:13 PM | Peak Integrated by Software |
| VSTDICCC050 | VW031732.D | 1,2,3-Trichloropropane | MMDadoda | 7/1/2025 12:21:38 PM | SAM | 7/1/2025 12:24:15 PM | Peak Integrated by Software |
| VSTDICC100 | VW031733.D | 1,2,3-Trichloropropane | MMDadoda | 7/1/2025 12:21:40 PM | SAM | 7/1/2025 12:24:18 PM | Peak Integrated by Software |
| VSTDICC150 | VW031734.D | 1,2,3-Trichloropropane | MMDadoda | 7/1/2025 12:21:41 PM | SAM | 7/1/2025 12:24:20 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | VW063025 | Instrument | MSVOA_w |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDICV050 | VW031736.D | 1,2,3-Trichloropropane | MMDadoda | 7/1/2025 12:21:42 PM | SAM | 7/1/2025 12:24:21 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | VW071425 | Instrument | MSVOA_w |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDCCC050 | VW031836.D | 1,2,3-Trichloropropane | SAM | 7/15/2025 3:29:16 PM | MMDadoda | 7/16/2025 1:42:29 PM | Peak Integrated by Software |
| VW0714SBS01 | VW031838.D | 1,2,3-Trichloropropane | SAM | 7/15/2025 3:29:21 PM | MMDadoda | 7/16/2025 1:42:30 PM | Peak Integrated by Software |
| VW0714SBSD01 | VW031839.D | 1,2,3-Trichloropropane | SAM | 7/15/2025 3:29:26 PM | MMDadoda | 7/16/2025 1:42:36 PM | Peak Integrated by Software |
| Q2503-03 | VW031840.D | n-Butylbenzene | SAM | 7/15/2025 3:29:32 PM | MMDadoda | 7/16/2025 1:42:38 PM | Peak Integrated by Software |
| Q2503-04 | VW031841.D | n-Butylbenzene | SAM | 7/15/2025 3:29:36 PM | MMDadoda | 7/16/2025 1:42:40 PM | Peak Integrated by Software |
| Q2503-04 | VW031841.D | sec-Butylbenzene | SAM | 7/15/2025 3:29:36 PM | MMDadoda | 7/16/2025 1:42:40 PM | Peak Integrated by Software |
| VSTDCCC050 | VW031853.D | 1,2,3-Trichloropropane | SAM | 7/15/2025 3:29:48 PM | MMDadoda | 7/16/2025 1:42:44 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | VX070225 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDICC001 | VX046860.D | 1,2,3-Trichloropropane | JOHN | 7/3/2025 8:43:52 AM | MMDadoda | 7/3/2025 3:09:42 PM | Peak Integrated by Software |
| VSTDICC001 | VX046860.D | 1,4-Dichlorobenzene | JOHN | 7/3/2025 8:43:52 AM | MMDadoda | 7/3/2025 3:09:42 PM | Peak Integrated by Software |
| VSTDICC001 | VX046860.D | 1,4-Dioxane | JOHN | 7/3/2025 8:43:52 AM | MMDadoda | 7/3/2025 3:09:42 PM | Peak Integrated by Software |
| VSTDICC001 | VX046860.D | 2-Butanone | JOHN | 7/3/2025 8:43:52 AM | MMDadoda | 7/3/2025 3:09:42 PM | Peak Integrated by Software |
| VSTDICC001 | VX046860.D | Acrylonitrile | JOHN | 7/3/2025 8:43:52 AM | MMDadoda | 7/3/2025 3:09:42 PM | Peak Integrated by Software |
| VSTDICC001 | VX046860.D | Carbon Tetrachloride | JOHN | 7/3/2025 8:43:52 AM | MMDadoda | 7/3/2025 3:09:42 PM | Peak Integrated by Software |
| VSTDICC001 | VX046860.D | Ethyl Acetate | JOHN | 7/3/2025 8:43:52 AM | MMDadoda | 7/3/2025 3:09:42 PM | Peak Integrated by Software |
| VSTDICC001 | VX046860.D | Methacrylonitrile | JOHN | 7/3/2025 8:43:52 AM | MMDadoda | 7/3/2025 3:09:42 PM | Peak Integrated by Software |
| VSTDICC005 | VX046861.D | 1,2,3-Trichloropropane | JOHN | 7/3/2025 8:43:57 AM | MMDadoda | 7/3/2025 3:09:44 PM | Peak Integrated by Software |
| VSTDICC020 | VX046862.D | 1,2,3-Trichloropropane | JOHN | 7/3/2025 8:44:01 AM | MMDadoda | 7/3/2025 3:09:46 PM | Peak Integrated by Software |
| VSTDICCC050 | VX046863.D | 1,2,3-Trichloropropane | JOHN | 7/3/2025 8:44:05 AM | MMDadoda | 7/3/2025 3:09:47 PM | Peak Integrated by Software |
| VSTDICC100 | VX046864.D | 1,2,3-Trichloropropane | JOHN | 7/3/2025 8:44:09 AM | MMDadoda | 7/3/2025 3:09:49 PM | Peak Integrated by Software |
| VSTDICC150 | VX046865.D | 1,2,3-Trichloropropane | JOHN | 7/3/2025 8:44:13 AM | MMDadoda | 7/3/2025 3:09:51 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | VX070225 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDICV050 | VX046867.D | 1,2,3-Trichloropropane | JOHN | 7/3/2025 8:44:17 AM | MMDadoda | 7/3/2025 3:09:53 PM | Peak Integrated by Software |

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



# Manual Integration Report

| Sequence: | VX070325 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDCCC050 | VX046869.D | 1,2,3-Trichloropropane | JOHN | 7/7/2025 9:13:58 AM | MMDadoda | 7/7/2025 2:13:37 PM | Peak Integrated by Software |
| VX0703WBS01 | VX046873.D | 1,2,3-Trichloropropane | JOHN | 7/7/2025 9:14:03 AM | MMDadoda | 7/7/2025 2:13:38 PM | Peak Integrated by Software |
| VX0703WBSD01 | VX046874.D | 1,2,3-Trichloropropane | JOHN | 7/7/2025 9:14:10 AM | MMDadoda | 7/7/2025 2:13:40 PM | Peak Integrated by Software |
| VSTDCCC050 | VX046890.D | 1,2,3-Trichloropropane | JOHN | 7/7/2025 9:17:02 AM | MMDadoda | 7/7/2025 2:13:47 PM | Peak Integrated by Software |

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



# Manual Integration Report

| Sequence: | VX071525 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDCCC050 | VX046988.D | 1,2,3-Trichloropropane | JOHN | 7/16/2025 8:45:14 AM | MMDadoda | 7/16/2025 1:43:58 PM | Peak Integrated by Software |
| VX0715MBS01 | VX047007.D | 1,2,3-Trichloropropane | JOHN | 7/16/2025 8:45:55 AM | MMDadoda | 7/16/2025 1:44:32 PM | Peak Integrated by Software |
| VSTDCCC050 | VX047014.D | 1,2,3-Trichloropropane | JOHN | 7/16/2025 8:46:31 AM | MMDadoda | 7/16/2025 1:44:41 PM | Peak Integrated by Software |

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Fax : 908 789 8922



**Instrument ID: MSVOA_W**

## Daily Analysis Runlog For Sequence/QCBatch ID # VW063025

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Mahesh Dadoda | Review On | 7/1/2025 12:21:51 PM | | | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 7/1/2025 12:24:32 PM | | | | |
| SubDirectory | VW063025 | HP Acquire Method | MSVOA_W | HP Processing Method | 82w063025s.m | | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134578 |
| Initial Calibration Stds | VP134581,VP134582,VP134583,VP134584,VP134585,VP134586 |
| CCC | |
| Internal Standard/PEM | VP133934 |
| ICV/I.BLK | VP134587 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VW031728.D | 30 Jun 2025 08:56 | SY/MD | Ok |
| 2 | VSTDICC005 | VW031729.D | 30 Jun 2025 09:54 | SY/MD | Ok,M |
| 3 | VSTDICC010 | VW031730.D | 30 Jun 2025 10:15 | SY/MD | Ok,M |
| 4 | VSTDICC020 | VW031731.D | 30 Jun 2025 10:58 | SY/MD | Ok,M |
| 5 | VSTDICCC050 | VW031732.D | 30 Jun 2025 11:21 | SY/MD | Ok,M |
| 6 | VSTDICC100 | VW031733.D | 30 Jun 2025 12:34 | SY/MD | Ok,M |
| 7 | VSTDICC150 | VW031734.D | 30 Jun 2025 12:55 | SY/MD | Ok,M |
| 8 | VIBLK | VW031735.D | 30 Jun 2025 14:11 | SY/MD | Ok |
| 9 | VSTDICV050 | VW031736.D | 30 Jun 2025 15:23 | SY/MD | Ok,M |

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**Instrument ID: MSVOA_W**

## Daily Analysis Runlog For Sequence/QCBatch ID # VW071425

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Semsettin Yesilyurt | Review On | 7/15/2025 3:30:06 PM | | | | |
| Supervise By | Mahesh Dadoda | Supervise On | 7/16/2025 1:42:51 PM | | | | |
| SubDirectory | VW071425 | HP Acquire Method | MSVOA_W | | HP Processing Method | 82w063025s.m | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134754 |
| Initial Calibration Stds | |
| CCC | VP134755,VP134756 |
| 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 | VW031835.D | 14 Jul 2025 08:45 | SY/MD | Ok |
| 2 | VSTDCCC050 | VW031836.D | 14 Jul 2025 09:17 | SY/MD | Ok,M |
| 3 | VW0714SBL01 | VW031837.D | 14 Jul 2025 09:46 | SY/MD | Ok |
| 4 | VW0714SBS01 | VW031838.D | 14 Jul 2025 10:14 | SY/MD | Ok,M |
| 5 | VW0714SBSD01 | VW031839.D | 14 Jul 2025 10:36 | SY/MD | Ok,M |
| 6 | Q2503-03 | VW031840.D | 14 Jul 2025 11:16 | SY/MD | Dilution |
| 7 | Q2503-04 | VW031841.D | 14 Jul 2025 11:38 | SY/MD | Dilution |
| 8 | Q2503-03 | VW031842.D | 14 Jul 2025 12:00 | SY/MD | Not Ok |
| 9 | Q2503-04 | VW031843.D | 14 Jul 2025 12:22 | SY/MD | Not Ok |
| 10 | Q2560-03 | VW031844.D | 14 Jul 2025 12:45 | SY/MD | Ok |
| 11 | Q2592-01 | VW031845.D | 14 Jul 2025 13:07 | SY/MD | Ok |
| 12 | Q2590-01 | VW031846.D | 14 Jul 2025 13:29 | SY/MD | Ok |
| 13 | Q2586-03 | VW031847.D | 14 Jul 2025 13:51 | SY/MD | Ok |
| 14 | Q2589-01 | VW031848.D | 14 Jul 2025 14:13 | SY/MD | Ok |
| 15 | Q2559-01 | VW031849.D | 14 Jul 2025 14:36 | SY/MD | ReRun |
| 16 | Q2597-01 | VW031850.D | 14 Jul 2025 15:30 | SY/MD | Ok |
| 17 | Q2598-01 | VW031851.D | 14 Jul 2025 15:52 | SY/MD | Ok |
| 18 | VIBLK | VW031852.D | 14 Jul 2025 16:14 | SY/MD | Ok |
| 19 | VSTDCCC050 | VW031853.D | 14 Jul 2025 16:37 | SY/MD | Ok,M |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX070225

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 7/3/2025 8:44:30 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 7/3/2025 3:09:59 PM | | |
| SubDirectory | VX070225 | HP Acquire Method | | HP Processing Method | 82X070225W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134642 |
| Initial Calibration Stds | VP134633,VP134634,VP134635,VP134638,VP134639,VP134640 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | VP134641 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VX046859.D | 02 Jul 2025 11:12 | JC/MD | Ok |
| 2 | VSTDICC001 | VX046860.D | 02 Jul 2025 12:11 | JC/MD | Ok,M |
| 3 | VSTDICC005 | VX046861.D | 02 Jul 2025 12:37 | JC/MD | Ok,M |
| 4 | VSTDICC020 | VX046862.D | 02 Jul 2025 13:18 | JC/MD | Ok,M |
| 5 | VSTDICCC050 | VX046863.D | 02 Jul 2025 13:39 | JC/MD | Ok,M |
| 6 | VSTDICC100 | VX046864.D | 02 Jul 2025 14:10 | JC/MD | Ok,M |
| 7 | VSTDICC150 | VX046865.D | 02 Jul 2025 14:31 | JC/MD | Ok,M |
| 8 | VIBLK | VX046866.D | 02 Jul 2025 14:53 | JC/MD | Ok |
| 9 | VSTDICV050 | VX046867.D | 02 Jul 2025 15:14 | JC/MD | Ok,M |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX070325

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 7/7/2025 9:19:20 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 7/7/2025 2:14:03 PM | | |
| SubDirectory | VX070325 | HP Acquire Method | | HP Processing Method | 82X070225W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134621 |
| Initial Calibration Stds | |
| CCC | VP134622,VP134623 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VX046868.D | 03 Jul 2025 07:52 | JC/MD | Ok |
| 2 | VSTDCCC050 | VX046869.D | 03 Jul 2025 08:19 | JC/MD | Ok,M |
| 3 | VX0703MBL01 | VX046870.D | 03 Jul 2025 08:42 | JC/MD | Ok |
| 4 | VX0703WBL01 | VX046871.D | 03 Jul 2025 09:09 | JC/MD | Ok |
| 5 | Q2458-10 | VX046872.D | 03 Jul 2025 09:35 | JC/MD | Ok |
| 6 | VX0703WBS01 | VX046873.D | 03 Jul 2025 09:56 | JC/MD | Ok,M |
| 7 | VX0703WBSD01 | VX046874.D | 03 Jul 2025 10:23 | JC/MD | Ok,M |
| 8 | Q2455-01 | VX046875.D | 03 Jul 2025 10:44 | JC/MD | Ok,M |
| 9 | Q2455-03 | VX046876.D | 03 Jul 2025 11:04 | JC/MD | Ok,M |
| 10 | Q2455-02 | VX046877.D | 03 Jul 2025 11:25 | JC/MD | Ok |
| 11 | Q2455-04 | VX046878.D | 03 Jul 2025 11:46 | JC/MD | Ok |
| 12 | Q2447-07ME | VX046879.D | 03 Jul 2025 12:07 | JC/MD | Ok |
| 13 | VX0703MBS01 | VX046880.D | 03 Jul 2025 12:27 | JC/MD | Ok,M |
| 14 | IBLK | VX046881.D | 03 Jul 2025 12:53 | JC/MD | Ok |
| 15 | Q2501-01 | VX046882.D | 03 Jul 2025 13:13 | JC/MD | Ok |
| 16 | Q2501-02 | VX046883.D | 03 Jul 2025 13:34 | JC/MD | Ok |
| 17 | Q2501-03 | VX046884.D | 03 Jul 2025 13:55 | JC/MD | Ok |
| 18 | Q2501-04 | VX046885.D | 03 Jul 2025 14:16 | JC/MD | Ok |
| 19 | Q2503-01 | VX046886.D | 03 Jul 2025 14:37 | JC/MD | Ok |
| 20 | Q2503-02 | VX046887.D | 03 Jul 2025 14:58 | JC/MD | Ok |
| 21 | Q2465-02 | VX046888.D | 03 Jul 2025 15:19 | JC/MD | Ok,M |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX070325

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 7/7/2025 9:19:20 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 7/7/2025 2:14:03 PM | | |
| SubDirectory | VX070325 | HP Acquire Method | | HP Processing Method | 82X070225W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134621 |
| Initial Calibration Stds | |
| CCC | VP134622,VP134623 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q2509-01 | VX046889.D | 03 Jul 2025 15:40 | JC/MD | Ok |
| 23 | VSTDCCC050 | VX046890.D | 03 Jul 2025 16:03 | JC/MD | Ok,M |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX071525

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 7/16/2025 8:51:22 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 7/16/2025 1:45:00 PM | | |
| SubDirectory | VX071525 | HP Acquire Method | | HP Processing Method | 82X070225W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134768 |
| Initial Calibration Stds | |
| CCC | VP134769,VP134770 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VX046987.D | 15 Jul 2025 08:29 | JC/MD | Ok |
| 2 | VSTDCCC050 | VX046988.D | 15 Jul 2025 10:18 | JC/MD | Ok,M |
| 3 | VX0715MBL01 | VX046989.D | 15 Jul 2025 10:39 | JC/MD | Ok |
| 4 | VX0715WBL01 | VX046990.D | 15 Jul 2025 11:00 | JC/MD | Ok |
| 5 | VX0715WBS01 | VX046991.D | 15 Jul 2025 11:21 | JC/MD | Ok,M |
| 6 | VX0715WBSD01 | VX046992.D | 15 Jul 2025 11:47 | JC/MD | Ok,M |
| 7 | Q2578-01RE | VX046993.D | 15 Jul 2025 12:08 | JC/MD | Confirms |
| 8 | Q2578-05RE | VX046994.D | 15 Jul 2025 12:30 | JC/MD | Confirms |
| 9 | Q2578-09RE | VX046995.D | 15 Jul 2025 12:51 | JC/MD | Confirms |
| 10 | Q2578-13RE | VX046996.D | 15 Jul 2025 13:12 | JC/MD | Confirms |
| 11 | Q2578-17RE | VX046997.D | 15 Jul 2025 13:33 | JC/MD | Confirms |
| 12 | Q2579-01RE | VX046998.D | 15 Jul 2025 13:54 | JC/MD | Confirms |
| 13 | Q2579-05RE | VX046999.D | 15 Jul 2025 14:16 | JC/MD | Confirms |
| 14 | Q2565-01 | VX047000.D | 15 Jul 2025 14:37 | JC/MD | Ok |
| 15 | Q2602-01 | VX047001.D | 15 Jul 2025 14:58 | JC/MD | ReRun |
| 16 | Q2571-04 | VX047002.D | 15 Jul 2025 15:20 | JC/MD | Ok,M |
| 17 | Q2571-08 | VX047003.D | 15 Jul 2025 15:41 | JC/MD | Ok |
| 18 | Q2586-04 | VX047004.D | 15 Jul 2025 16:02 | JC/MD | Ok,M |
| 19 | Q2561-07 | VX047005.D | 15 Jul 2025 16:24 | JC/MD | Ok |
| 20 | PB168804TB | VX047006.D | 15 Jul 2025 16:45 | JC/MD | Ok,M |
| 21 | VX0715MBS01 | VX047007.D | 15 Jul 2025 17:06 | JC/MD | Ok,M |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX071525

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 7/16/2025 8:51:22 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 7/16/2025 1:45:00 PM | | |
| SubDirectory | VX071525 | HP Acquire Method | | HP Processing Method | 82X070225W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134768 |
| Initial Calibration Stds | |
| CCC | VP134769,VP134770 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | VX0715MBSD01 | VX047008.D | 15 Jul 2025 17:27 | JC/MD | Ok,M |
| 23 | Q2503-03ME | VX047009.D | 15 Jul 2025 17:49 | JC/MD | Ok |
| 24 | Q2503-04ME | VX047010.D | 15 Jul 2025 18:10 | JC/MD | Ok |
| 25 | Q2600-03 | VX047011.D | 15 Jul 2025 18:31 | JC/MD | Ok,M |
| 26 | Q2600-07 | VX047012.D | 15 Jul 2025 18:52 | JC/MD | Ok,M |
| 27 | Q2600-11 | VX047013.D | 15 Jul 2025 19:13 | JC/MD | Dilution |
| 28 | VSTDCCC050 | VX047014.D | 15 Jul 2025 19:34 | JC/MD | Ok,M |

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**Instrument ID:** MSVOA_W

## Daily Analysis Runlog For Sequence/QCBatch ID # VW063025

| | | | | | |
|---|---|---|---|---|---|
| Review By | Mahesh Dadoda | Review On | 7/1/2025 12:21:51 PM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 7/1/2025 12:24:32 PM | | |
| SubDirectory | VW063025 | HP Acquire Method | MSVOA_W | HP Processing Method | 82w063025s.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134578 |
| Initial Calibration Stds | VP134581,VP134582,VP134583,VP134584,VP134585,VP134586 |
| CCC | |
| Internal Standard/PEM | VP133934 |
| ICV/I.BLK | VP134587 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VW031728.D | 30 Jun 2025 08:56 | | SY/MD | Ok |
| 2 | VSTDICC005 | VSTDICC005 | VW031729.D | 30 Jun 2025 09:54 | | SY/MD | Ok,M |
| 3 | VSTDICC010 | VSTDICC010 | VW031730.D | 30 Jun 2025 10:15 | 8260-soil-method | SY/MD | Ok,M |
| 4 | VSTDICC020 | VSTDICC020 | VW031731.D | 30 Jun 2025 10:58 | | SY/MD | Ok,M |
| 5 | VSTDICCC050 | VSTDICCC050 | VW031732.D | 30 Jun 2025 11:21 | Comp. #20 is on Quadratic Regression | SY/MD | Ok,M |
| 6 | VSTDICC100 | VSTDICC100 | VW031733.D | 30 Jun 2025 12:34 | | SY/MD | Ok,M |
| 7 | VSTDICC150 | VSTDICC150 | VW031734.D | 30 Jun 2025 12:55 | | SY/MD | Ok,M |
| 8 | VIBLK | VIBLK | VW031735.D | 30 Jun 2025 14:11 | | SY/MD | Ok |
| 9 | VSTDICV050 | ICVVW063025 | VW031736.D | 30 Jun 2025 15:23 | | SY/MD | Ok,M |

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**Instrument ID:** MSVOA_W

## Daily Analysis Runlog For Sequence/QCBatch ID # VW071425

| | | | | | |
|---|---|---|---|---|---|
| Review By | Semsettin Yesilyurt | Review On | 7/15/2025 3:30:06 PM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 7/16/2025 1:42:51 PM | | |
| SubDirectory | VW071425 | HP Acquire Method | MSVOA_W | HP Processing Method | 82w063025s.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134754 |
| Initial Calibration Stds | |
| CCC | VP134755,VP134756 |
| 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 | VW031835.D | 14 Jul 2025 08:45 | | SY/MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VW031836.D | 14 Jul 2025 09:17 | | SY/MD | Ok,M |
| 3 | VW0714SBL01 | VW0714SBL01 | VW031837.D | 14 Jul 2025 09:46 | | SY/MD | Ok |
| 4 | VW0714SBS01 | VW0714SBS01 | VW031838.D | 14 Jul 2025 10:14 | | SY/MD | Ok,M |
| 5 | VW0714SBSD01 | VW0714SBSD01 | VW031839.D | 14 Jul 2025 10:36 | | SY/MD | Ok,M |
| 6 | Q2503-03 | GCAP2 | VW031840.D | 14 Jul 2025 11:16 | Need MeOH,vial-A | SY/MD | Dilution |
| 7 | Q2503-04 | GCAP3 | VW031841.D | 14 Jul 2025 11:38 | Need MeOH,vial-A | SY/MD | Dilution |
| 8 | Q2503-03 | GCAP2 | VW031842.D | 14 Jul 2025 12:00 | Already Analyzed,vial B | SY/MD | Not Ok |
| 9 | Q2503-04 | GCAP3 | VW031843.D | 14 Jul 2025 12:22 | Already Analyzed,vial B | SY/MD | Not Ok |
| 10 | Q2560-03 | LP-7102025-VOC | VW031844.D | 14 Jul 2025 12:45 | vial B | SY/MD | Ok |
| 11 | Q2592-01 | WC-SOIL-20250711 | VW031845.D | 14 Jul 2025 13:07 | vial A | SY/MD | Ok |
| 12 | Q2590-01 | NB-7-071125 | VW031846.D | 14 Jul 2025 13:29 | vial A | SY/MD | Ok |
| 13 | Q2586-03 | TP-16-VOC | VW031847.D | 14 Jul 2025 13:51 | vial A | SY/MD | Ok |
| 14 | Q2589-01 | AU-06-071125 | VW031848.D | 14 Jul 2025 14:13 | vial A | SY/MD | Ok |
| 15 | Q2559-01 | 500-3B CONCRETE CH | VW031849.D | 14 Jul 2025 14:36 | Surrogate Fail,vial A | SY/MD | ReRun |
| 16 | Q2597-01 | CHRT-26899 | VW031850.D | 14 Jul 2025 15:30 | vial A | SY/MD | Ok |
| 17 | Q2598-01 | OK-01-071425 | VW031851.D | 14 Jul 2025 15:52 | vial A | SY/MD | Ok |
| 18 | VIBLK | VIBLK | VW031852.D | 14 Jul 2025 16:14 | | SY/MD | Ok |

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**Instrument ID:** MSVOA_W

## Daily Analysis Runlog For Sequence/QCBatch ID # VW071425

| | | | | | |
|---|---|---|---|---|---|
| Review By | Semsettin Yesilyurt | Review On | 7/15/2025 3:30:06 PM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 7/16/2025 1:42:51 PM | | |
| SubDirectory | VW071425 | HP Acquire Method | MSVOA_W | HP Processing Method | 82w063025s.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134754 |
| Initial Calibration Stds | |
| CCC | VP134755,VP134756 |
| Internal Standard/PEM | VP133934 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | VSTDCCC050 | VSTDCCC050EC | VW031853.D | 14 Jul 2025 16:37 | | SY/MD | Ok,M |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX070225

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 7/3/2025 8:44:30 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 7/3/2025 3:09:59 PM | | |
| SubDirectory | VX070225 | HP Acquire Method | | HP Processing Method | 82X070225W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134642 |
| Initial Calibration Stds | VP134633,VP134634,VP134635,VP134638,VP134639,VP134640 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | VP134641 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VX046859.D | 02 Jul 2025 11:12 | | JC/MD | Ok |
| 2 | VSTDICC001 | VSTDICC001 | VX046860.D | 02 Jul 2025 12:11 | | JC/MD | Ok,M |
| 3 | VSTDICC005 | VSTDICC005 | VX046861.D | 02 Jul 2025 12:37 | %D Failed for com.#13 in 5 ppb | JC/MD | Ok,M |
| 4 | VSTDICC020 | VSTDICC020 | VX046862.D | 02 Jul 2025 13:18 | | JC/MD | Ok,M |
| 5 | VSTDICCC050 | VSTDICCC050 | VX046863.D | 02 Jul 2025 13:39 | LR-13 | JC/MD | Ok,M |
| 6 | VSTDICC100 | VSTDICC100 | VX046864.D | 02 Jul 2025 14:10 | | JC/MD | Ok,M |
| 7 | VSTDICC150 | VSTDICC150 | VX046865.D | 02 Jul 2025 14:31 | | JC/MD | Ok,M |
| 8 | VIBLK | VIBLK | VX046866.D | 02 Jul 2025 14:53 | | JC/MD | Ok |
| 9 | VSTDICV050 | ICVVX070225 | VX046867.D | 02 Jul 2025 15:14 | | JC/MD | Ok,M |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX070325

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 7/7/2025 9:19:20 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 7/7/2025 2:14:03 PM | | |
| SubDirectory | VX070325 | HP Acquire Method | | HP Processing Method | 82X070225W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134621 |
| Initial Calibration Stds | |
| CCC | VP134622,VP134623 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VX046868.D | 03 Jul 2025 07:52 | | JC/MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VX046869.D | 03 Jul 2025 08:19 | pH#Lot#V12668 | JC/MD | Ok,M |
| 3 | VX0703MBL01 | VX0703MBL01 | VX046870.D | 03 Jul 2025 08:42 | | JC/MD | Ok |
| 4 | VX0703WBL01 | VX0703WBL01 | VX046871.D | 03 Jul 2025 09:09 | | JC/MD | Ok |
| 5 | Q2458-10 | FB-06272025 | VX046872.D | 03 Jul 2025 09:35 | vial A pH<2 FB | JC/MD | Ok |
| 6 | VX0703WBS01 | VX0703WBS01 | VX046873.D | 03 Jul 2025 09:56 | | JC/MD | Ok,M |
| 7 | VX0703WBSD01 | VX0703WBSD01 | VX046874.D | 03 Jul 2025 10:23 | | JC/MD | Ok,M |
| 8 | Q2455-01 | MW1 | VX046875.D | 03 Jul 2025 10:44 | vial A pH<2 | JC/MD | Ok,M |
| 9 | Q2455-03 | MW10 | VX046876.D | 03 Jul 2025 11:04 | vial A pH<2 | JC/MD | Ok,M |
| 10 | Q2455-02 | MW3 | VX046877.D | 03 Jul 2025 11:25 | vial A pH<2 | JC/MD | Ok |
| 11 | Q2455-04 | FIELD-BLANK | VX046878.D | 03 Jul 2025 11:46 | vial A pH<2 FB | JC/MD | Ok |
| 12 | Q2447-07ME | LAW-25-0100ME | VX046879.D | 03 Jul 2025 12:07 | | JC/MD | Ok |
| 13 | VX0703MBS01 | VX0703MBS01 | VX046880.D | 03 Jul 2025 12:27 | | JC/MD | Ok,M |
| 14 | IBLK | IBLK | VX046881.D | 03 Jul 2025 12:53 | | JC/MD | Ok |
| 15 | Q2501-01 | STORAGE-BLANK-SO | VX046882.D | 03 Jul 2025 13:13 | vial A pH<2 | JC/MD | Ok |
| 16 | Q2501-02 | STORAGE-BLANK-WA | VX046883.D | 03 Jul 2025 13:34 | vial A pH<2 | JC/MD | Ok |
| 17 | Q2501-03 | STORAGE-BLANK-WA | VX046884.D | 03 Jul 2025 13:55 | vial A pH<2 | JC/MD | Ok |
| 18 | Q2501-04 | STORAGE-BLANK-SA | VX046885.D | 03 Jul 2025 14:16 | vial A pH<2 | JC/MD | Ok |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX070325

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 7/7/2025 9:19:20 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 7/7/2025 2:14:03 PM | | |
| SubDirectory | VX070325 | HP Acquire Method | | HP Processing Method | 82X070225W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134621 |
| Initial Calibration Stds | |
| CCC | VP134622,VP134623 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q2503-01 | GCAP2W | VX046886.D | 03 Jul 2025 14:37 | vial A pH<2 | JC/MD | Ok |
| 20 | Q2503-02 | GCAP3W | VX046887.D | 03 Jul 2025 14:58 | vial A pH<2 | JC/MD | Ok |
| 21 | Q2465-02 | 62025-B | VX046888.D | 03 Jul 2025 15:19 | vial A pH<2 oily dark sample | JC/MD | Ok,M |
| 22 | Q2509-01 | AUD-25-0110-0111 | VX046889.D | 03 Jul 2025 15:40 | vial A pH<2 turbid sample | JC/MD | Ok |
| 23 | VSTDCCC050 | VSTDCCC050EC | VX046890.D | 03 Jul 2025 16:03 | | JC/MD | Ok,M |

M : Manual Integration

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX071525

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 7/16/2025 8:51:22 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 7/16/2025 1:45:00 PM | | |
| SubDirectory | VX071525 | HP Acquire Method | | HP Processing Method | 82X070225W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134768 |
| Initial Calibration Stds | |
| CCC | VP134769,VP134770 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VX046987.D | 15 Jul 2025 08:29 | | JC/MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VX046988.D | 15 Jul 2025 10:18 | CCC fail High com. #25 | JC/MD | Ok,M |
| 3 | VX0715MBL01 | VX0715MBL01 | VX046989.D | 15 Jul 2025 10:39 | | JC/MD | Ok |
| 4 | VX0715WBL01 | VX0715WBL01 | VX046990.D | 15 Jul 2025 11:00 | | JC/MD | Ok |
| 5 | VX0715WBS01 | VX0715WBS01 | VX046991.D | 15 Jul 2025 11:21 | | JC/MD | Ok,M |
| 6 | VX0715WBSD01 | VX0715WBSD01 | VX046992.D | 15 Jul 2025 11:47 | | JC/MD | Ok,M |
| 7 | Q2578-01RE | WC-A5-01-GRE | VX046993.D | 15 Jul 2025 12:08 | vial B pH#5.0 Surrogate Fail | JC/MD | Confirms |
| 8 | Q2578-05RE | WC-A2-09-GRE | VX046994.D | 15 Jul 2025 12:30 | vial B pH#5.0 Surrogate Fail | JC/MD | Confirms |
| 9 | Q2578-09RE | WC-A2-10-GRE | VX046995.D | 15 Jul 2025 12:51 | vial B pH#5.0 Surrogate Fail | JC/MD | Confirms |
| 10 | Q2578-13RE | WC-A2-11-GRE | VX046996.D | 15 Jul 2025 13:12 | vial B pH#5.0 Surrogate Fail | JC/MD | Confirms |
| 11 | Q2578-17RE | WC-A2-12-GRE | VX046997.D | 15 Jul 2025 13:33 | vial B pH#5.0 Surrogate Fail | JC/MD | Confirms |
| 12 | Q2579-01RE | WC-A2-13-GRE | VX046998.D | 15 Jul 2025 13:54 | vial B pH#5.0 Surrogate Fail | JC/MD | Confirms |
| 13 | Q2579-05RE | WC-A2-14-GRE | VX046999.D | 15 Jul 2025 14:16 | vial B pH#5.0 Surrogate Fail | JC/MD | Confirms |
| 14 | Q2565-01 | MOO-25-0192-0193 | VX047000.D | 15 Jul 2025 14:37 | vial A pH<2 foamy sample | JC/MD | Ok |
| 15 | Q2602-01 | FRAC-TANK-266380 | VX047001.D | 15 Jul 2025 14:58 | vial A pH<2 CCC Failed High,BS,BSD Failed High | JC/MD | ReRun |
| 16 | Q2571-04 | TP-18 | VX047002.D | 15 Jul 2025 15:20 | vial A pH#5.0 | JC/MD | Ok,M |
| 17 | Q2571-08 | TP-17 | VX047003.D | 15 Jul 2025 15:41 | vial A pH#5.0 | JC/MD | Ok |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX071525

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 7/16/2025 8:51:22 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 7/16/2025 1:45:00 PM | | |
| SubDirectory | VX071525 | HP Acquire Method | | HP Processing Method | 82X070225W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134768 |
| Initial Calibration Stds | |
| CCC | VP134769,VP134770 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Q2586-04 | TP-16 | VX047004.D | 15 Jul 2025 16:02 | vial A pH#5.0 | JC/MD | Ok,M |
| 19 | Q2561-07 | AUD-25-0117 | VX047005.D | 15 Jul 2025 16:24 | vial A pH#5.0 | JC/MD | Ok |
| 20 | PB168804TB | PB168804TB | VX047006.D | 15 Jul 2025 16:45 | | JC/MD | Ok,M |
| 21 | VX0715MBS01 | VX0715MBS01 | VX047007.D | 15 Jul 2025 17:06 | | JC/MD | Ok,M |
| 22 | VX0715MBSD01 | VX0715MBSD01 | VX047008.D | 15 Jul 2025 17:27 | | JC/MD | Ok,M |
| 23 | Q2503-03ME | GCAP2ME | VX047009.D | 15 Jul 2025 17:49 | | JC/MD | Ok |
| 24 | Q2503-04ME | GCAP3ME | VX047010.D | 15 Jul 2025 18:10 | | JC/MD | Ok |
| 25 | Q2600-03 | TRENCH | VX047011.D | 15 Jul 2025 18:31 | | JC/MD | Ok,M |
| 26 | Q2600-07 | STOCK-PILE | VX047012.D | 15 Jul 2025 18:52 | | JC/MD | Ok,M |
| 27 | Q2600-11 | END-OF-TRENCH | VX047013.D | 15 Jul 2025 19:13 | Need 20X | JC/MD | Dilution |
| 28 | VSTDCCC050 | VSTDCCC050EC | VX047014.D | 15 Jul 2025 19:34 | | JC/MD | Ok,M |

M : Manual Integration

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q2503 | **OrderDate:** | 7/3/2025 11:38:00 AM |
| **Client:** | G Environmental | **Project:** | Capra |
| **Contact:** | Gary Landis | **Location:** | --Select--,O11,VOA Lab |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q2503-01** | **GCAP2W** | **Water** | | | **07/02/25** | | | **07/03/25** |
| | | | VOC-TCLVOA-10 | 8260D | | | 07/03/25 | |
| **Q2503-02** | **GCAP3W** | **Water** | | | **07/02/25** | | | **07/03/25** |
| | | | VOC-TCLVOA-10 | 8260D | | | 07/03/25 | |
| **Q2503-03** | **GCAP2** | **SOIL** | | | **07/02/25** | | | **07/03/25** |
| | | | VOC-TCLVOA-10 | 8260D | | | 07/14/25 | |
| **Q2503-03ME** | **GCAP2ME** | **SOIL** | | | **07/02/25** | | | **07/03/25** |
| | | | VOC-TCLVOA-10 | 8260D | | | 07/15/25 | |
| **Q2503-04** | **GCAP3** | **SOIL** | | | **07/02/25** | | | **07/03/25** |
| | | | VOC-TCLVOA-10 | 8260D | | | 07/14/25 | |
| **Q2503-04ME** | **GCAP3ME** | **SOIL** | | | **07/02/25** | | | **07/03/25** |
| | | | VOC-TCLVOA-10 | 8260D | | | 07/15/25 | |

# SAMPLE DATA

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Fax : 908 789 8922



# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | Date Collected: | 07/02/25 | |
| Project: | Capra | | Date Received: | 07/03/25 | |
| Client Sample ID: | GCAP2 | | SDG No.: | Q2503 | |
| Lab Sample ID: | Q2503-03 | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 71.2 | |
| Sample Wt/Vol: | 30.06 | Units: g | Final Vol: | 2000 | uL |
| Soil Aliquot Vol: | | uL | Test: | EPH_NF | |
| Prep Method : | | | | | |

| Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|
| 07/07/25 09:30 | 07/07/25 21:05 | PB168738 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 16.3 | | 1 | 1.65 | 2.80 | mg/kg | FE054715.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 6.34 | | 1 | 1.27 | 5.60 | mg/kg | FE054715.D |
| Total AliphaticEPH | Total AliphaticEPH | 22.6 | | | 2.92 | 8.40 | mg/kg | |
| Total EPH | Total EPH | 22.6 | | | 2.92 | 8.40 | mg/kg | |

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | Date Collected: | 07/02/25 | |
| Project: | Capra | | Date Received: | 07/03/25 | |
| Client Sample ID: | GCAP2 | | SDG No.: | Q2503 | |
| Lab Sample ID: | Q2503-03 | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 71.2 | |
| Sample Wt/Vol: | 30.06 | Units: g | Final Vol: | 2000 | uL |
| Soil Aliquot Vol: | | uL | Test: | EPH_NF | |
| Prep Method : | | | | | |

| File ID : | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|---|---|
| FE054715.D | 1 | 07/07/25 | 07/07/25 | PB168738 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 6.34 | | 1.27 | 5.60 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 16.3 | | 1.65 | 2.80 | mg/kg |
| **SURROGATES** | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 42.8 | | 40 - 140 | 86% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | 43.4 | | 40 - 140 | 87% | SPK: 50 |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q2503-03 | Acq On: | 07 Jul 2025 21:05 |
| Client Sample ID: | GCAP2 | Operator: | YP\AJ |
| Data file: | FE054715.D | Misc: | |
| Instrument: | FID_E | ALS Vial: | 24 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.322 | 6.953 | 2479247 | 18.222 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.954 | 10.404 | 1601415 | 11.392 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.405 | 13.782 | 2306899 | 15.976 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.783 | 17.452 | 3232555 | 22.347 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.453 | 22.469 | 24254059 | 174.933 | 600 | ug/ml |
| Aliphatic EPH | 3.322 | 22.469 | 33874175 | 242.872 | | ug/ml |
| ortho-Terphenyl (SURR) | 12.083 | 12.083 | 7042756 | 43.37 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.518 | 13.518 | 5403219 | 42.78 | | ug/ml |
| Aliphatic C9-C28 | 3.322 | 17.452 | 9620116 | 67.937 | 1200 | ug/ml |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | Date Collected: | 07/02/25 | |
| Project: | Capra | | Date Received: | 07/03/25 | |
| Client Sample ID: | GCAP3 | | SDG No.: | Q2503 | |
| Lab Sample ID: | Q2503-04 | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 65.6 | |
| Sample Wt/Vol: | 30.08 | Units: g | Final Vol: | 2000 | uL |
| Soil Aliquot Vol: | | uL | Test: | EPH_NF | |
| Prep Method : | | | | | |

| Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|
| 07/07/25 09:30 | 07/07/25 21:36 | PB168738 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 25.6 | | 1 | 1.79 | 3.04 | mg/kg | FE054716.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 24.1 | | 1 | 1.38 | 6.08 | mg/kg | FE054716.D |
| Total AliphaticEPH | Total AliphaticEPH | 49.7 | | | 3.17 | 9.12 | mg/kg | |
| Total EPH | Total EPH | 49.7 | | | 3.17 | 9.12 | mg/kg | |

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | Date Collected: | 07/02/25 | |
| Project: | Capra | | Date Received: | 07/03/25 | |
| Client Sample ID: | GCAP3 | | SDG No.: | Q2503 | |
| Lab Sample ID: | Q2503-04 | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 65.6 | |
| Sample Wt/Vol: | 30.08 | Units: g | Final Vol: | 2000 | uL |
| Soil Aliquot Vol: | | uL | Test: | EPH_NF | |
| Prep Method : | | | | | |

| File ID : | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|---|---|
| FE054716.D | 1 | 07/07/25 | 07/07/25 | PB168738 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 24.1 | | 1.38 | 6.08 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 25.6 | | 1.79 | 3.04 | mg/kg |
| **SURROGATES** | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 35.7 | | 40 - 140 | 71% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | 34.8 | | 40 - 140 | 70% | SPK: 50 |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q2503-04 | Acq On: | 07 Jul 2025 21:36 |
| Client Sample ID: | GCAP3 | Operator: | YP\AJ |
| Data file: | FE054716.D | Misc: | |
| Instrument: | FID_E | ALS Vial: | 25 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.322 | 6.953 | 8911393 | 65.498 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.954 | 10.404 | 3836958 | 27.296 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.405 | 13.782 | 9989248 | 69.181 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.783 | 17.452 | 10899386 | 75.349 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.453 | 22.469 | 34950655 | 252.083 | 600 | ug/ml |
| Aliphatic EPH | 3.322 | 22.469 | 68587640 | 489.407 | | ug/ml |
| ortho-Terphenyl (SURR) | 12.082 | 12.082 | 5655103 | 34.82 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.518 | 13.518 | 4508826 | 35.7 | | ug/ml |
| Aliphatic C9-C28 | 3.322 | 17.452 | 33636985 | 237.324 | 1200 | ug/ml |

# QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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## SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2503

Run Number: FE070725AL

| CLIENT SAMPLE NO. | 1-chlorooctadecane (SURR) | ortho-Terphenyl (SURR) | | TOT OUT |
|---|---|---|---|---|
| GCAP2 | 86 | 87 | | 0 |
| GCAP3 | 71 | 70 | | 0 |

| | QC LIMITS |
|---|---|
| 1-chlorooctadecane (SURR) | (40-140) |
| ortho-Terphenyl (SURR) | (40-140) |

# Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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## SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2503

Run Number: FG070725AL

| CLIENT SAMPLE NO. | 1-chlorooctadecane (SURR) | ortho-Terphenyl (SURR) | | TOT OUT |
|---|---|---|---|---|
| PB168738BL | 94 | 92 | | 0 |
| WC-1MS | 76 | 69 | | 0 |
| WC-1MSD | 76 | 69 | | 0 |

| | QC LIMITS |
|---|---|
| 1-chlorooctadecane (SURR) | (40-140) |
| ortho-Terphenyl (SURR) | (40-140) |

# Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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## SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2503

Run Number: FG070825AL

| CLIENT SAMPLE NO. | 1-chlorooctadecane (SURR) | ortho-Terphenyl (SURR) | | TOT OUT |
|---|---|---|---|---|
| PB168738BS | 53 | 51 | | 0 |
| PB168738BSD | 53 | 52 | | 0 |

| | QC LIMITS |
|---|---|
| 1-chlorooctadecane (SURR) | (40-140) |
| ortho-Terphenyl (SURR) | (40-140) |

# Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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## SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

| | | | |
|---|---|---|---|
| **Lab Name:** | Alliance | **Client:** | G Environmental |
| **Lab Code:** | ACE | **SDG No:** | Q2503 |
| **Sample No :** | Q2515-01MS **Datafile:** FG016232.D | **Client ID :** | WC-1MS |

| COMPOUND | SPIKE ADDED mg/kg | SAMPLE CONCENTRATION mg/kg | MS/MSD CONCENTRATION mg/kg | % REC | Qual | QC LIMITS (%) |
|---|---|---|---|---|---|---|
| Aliphatic C28-C40 | 34.2 | 12.4 | 49.4 | 108 | | (40-140) |
| Aliphatic C9-C28 | 114.0 | 5.56 | 108 | 90 | | (40-140) |

| COMPOUND | SPIKE ADDED mg/kg | SAMPLE CONCENTRATION mg/kg | MS/MSD CONCENTRATION mg/kg | % REC | Qual | QC LIMITS (%) |
|---|---|---|---|---|---|---|
| n-Nonane (C9) | 3.8 | 0.0000 | 2.4008 | 63 | | (40-140) |
| n-Decane (C10) | 3.8 | 0.0000 | 5.8093 | 153 | * | (40-140) |
| Naphthalene (C11.7) | 3.8 | 0.0000 | 3.2301 | 85 | | (40-140) |
| n-Dodecane (C12) | 3.8 | 0.0000 | 3.0297 | 80 | | (40-140) |
| 2-methylnaphthalene (C12.89) | 3.8 | 0.0000 | 3.2812 | 86 | | (40-140) |
| n-Tetradecane (C14) | 3.8 | 0.0000 | 3.3947 | 89 | | (40-140) |
| n-Hexadecane (C16) | 3.8 | 0.0000 | 3.6331 | 96 | | (40-140) |
| n-Octadecane (C18) | 3.8 | 0.0000 | 3.7046 | 97 | | (40-140) |
| n-Eicosane (C20) | 3.8 | 0.0000 | 3.9835 | 105 | | (40-140) |
| n-Heneicosane (C21) | 3.8 | 0.0000 | 3.8614 | 102 | | (40-140) |
| n-Docosane (C22) | 3.8 | 0.0000 | 3.8283 | 101 | | (40-140) |
| n-Tetracosane (C24) | 7.6 | 0.0000 | 7.7383 | 102 | | (40-140) |
| n-Hexacosane (C26) | 3.8 | 0.0000 | 3.6597 | 96 | | (40-140) |
| n-Octacosane (C28) | 3.8 | 0.0000 | 3.6574 | 96 | | (40-140) |
| n-Tricontane (C30) | 3.8 | 0.0000 | 3.5152 | 93 | | (40-140) |
| n-Dotriacontane (C32) | 3.8 | 0.0000 | 3.5583 | 94 | | (40-140) |
| n-Tetratriacontane (C34) | 3.8 | 0.0000 | 4.2227 | 111 | | (40-140) |
| n-Hexatriacontane (C36) | 3.8 | 0.0000 | 5.0553 | 133 | | (40-140) |
| n-Octatriacontane (C38) | 3.8 | 0.0000 | 5.7538 | 151 | * | (40-140) |
| n-Tetracontane (C40) | 3.8 | 0.0000 | 5.4652 | 144 | * | (40-140) |

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## SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

**Lab Name:** Alliance **Client:** G Environmental

**Lab Code:** ACE **SDG No:** Q2503

**Sample No :** Q2515-01MSD **Datafile:** FG016233.D **Client ID :** WC-1MSD

| COMPOUND | SPIKE ADDED mg/kg | SAMPLE CONCENTRATION mg/kg | MS/MSD CONCENTRATION mg/kg | % REC | Qual | RPD \| | QC LIMITS (%) | QC Limit Of RPD |
|---|---|---|---|---|---|---|---|---|
| Aliphatic C28-C40 | 34.3 | 12.4 | 49.8 | 109 | | 0.92 \| | (40-140) | 50 |
| Aliphatic C9-C28 | 114.3 | 5.56 | 111 | 92 | | 3 \| | (40-140) | 50 |

| COMPOUND | SPIKE ADDED mg/kg | SAMPLE CONCENTRATION mg/kg | MS/MSD CONCENTRATION mg/kg | % REC | Qual | RPD \| | QC LIMITS (%) | QC Limit Of RPD |
|---|---|---|---|---|---|---|---|---|
| n-Nonane (C9) | 3.8 | 0.0000 | 2.3955 | 63 | | 0 \| | (40-140) | 50 |
| n-Decane (C10) | 3.8 | 0.0000 | 5.7935 | 152 | * | 0.66 \| | (40-140) | 50 |
| Naphthalene (C11.7) | 3.8 | 0.0000 | 3.2237 | 85 | | 0 \| | (40-140) | 50 |
| n-Dodecane (C12) | 3.8 | 0.0000 | 3.0244 | 80 | | 0 \| | (40-140) | 50 |
| 2-methylnaphthalene (C12.89) | 3.8 | 0.0000 | 3.2795 | 86 | | 0 \| | (40-140) | 50 |
| n-Tetradecane (C14) | 3.8 | 0.0000 | 3.3935 | 89 | | 0 \| | (40-140) | 50 |
| n-Hexadecane (C16) | 3.8 | 0.0000 | 3.6430 | 96 | | 0 \| | (40-140) | 50 |
| n-Octadecane (C18) | 3.8 | 0.0000 | 3.7179 | 98 | | 1.03 \| | (40-140) | 50 |
| n-Eicosane (C20) | 3.8 | 0.0000 | 3.9987 | 105 | | 0 \| | (40-140) | 50 |
| n-Heneicosane (C21) | 3.8 | 0.0000 | 3.8763 | 102 | | 0 \| | (40-140) | 50 |
| n-Docosane (C22) | 3.8 | 0.0000 | 3.8481 | 101 | | 0 \| | (40-140) | 50 |
| n-Tetracosane (C24) | 7.6 | 0.0000 | 7.7618 | 102 | | 0 \| | (40-140) | 50 |
| n-Hexacosane (C26) | 3.8 | 0.0000 | 3.6750 | 97 | | 1.04 \| | (40-140) | 50 |
| n-Octacosane (C28) | 3.8 | 0.0000 | 3.6707 | 97 | | 1.04 \| | (40-140) | 50 |
| n-Tricontane (C30) | 3.8 | 0.0000 | 3.5168 | 93 | | 0 \| | (40-140) | 50 |
| n-Dotriacontane (C32) | 3.8 | 0.0000 | 3.5574 | 94 | | 0 \| | (40-140) | 50 |
| n-Tetratriacontane (C34) | 3.8 | 0.0000 | 4.2836 | 113 | | 1.79 \| | (40-140) | 50 |
| n-Hexatriacontane (C36) | 3.8 | 0.0000 | 4.9972 | 132 | | 0.75 \| | (40-140) | 50 |
| n-Octatriacontane (C38) | 3.8 | 0.0000 | 5.4939 | 145 | * | 4.05 \| | (40-140) | 50 |
| n-Tetracontane (C40) | 3.8 | 0.0000 | 5.6265 | 148 | * | 2.74 \| | (40-140) | 50 |

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## SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

**Lab Name:** Alliance **Client:** G Environmental

**Lab Code:** ACE **SDG No:** Q2503

**Sample No :** PB168738BS **Datafile:** FG016239.D **Client ID :** PB168738BS

| COMPOUND | SPIKE ADDED mg/kg | LCS/LCSD CONCENTRATION mg/kg | % REC | Qual | QC LIMITS (%) |
|---|---|---|---|---|---|
| Aliphatic C28-C40 | 30.0 | 20.1 | 67 | | (40-140) |
| Aliphatic C9-C28 | 99.9 | 54.0 | 54 | | (40-140) |

| COMPOUND | SPIKE ADDED mg/kg | LCS/LCSD CONCENTRATION mg/kg | % REC | Qual | QC LIMITS(%) |
|---|---|---|---|---|---|
| n-Nonane (C9) | 3.3 | 1.62441 | 49 | | (40-140) |
| n-Decane (C10) | 3.3 | 1.69203 | 51 | | (40-140) |
| Naphthalene (C11.7) | 3.3 | 1.94890 | 59 | | (40-140) |
| n-Dodecane (C12) | 3.3 | 1.79908 | 55 | | (40-140) |
| 2-methylnaphthalene (C12.89) | 3.3 | 1.94660 | 59 | | (40-140) |
| n-Tetradecane (C14) | 3.3 | 1.92903 | 58 | | (40-140) |
| n-Hexadecane (C16) | 3.3 | 1.94565 | 59 | | (40-140) |
| n-Octadecane (C18) | 3.3 | 1.91517 | 58 | | (40-140) |
| n-Eicosane (C20) | 3.3 | 2.03287 | 62 | | (40-140) |
| n-Heneicosane (C21) | 3.3 | 1.97392 | 60 | | (40-140) |
| n-Docosane (C22) | 3.3 | 1.94776 | 59 | | (40-140) |
| n-Tetracosane (C24) | 6.7 | 3.92935 | 59 | | (40-140) |
| n-Hexacosane (C26) | 3.3 | 1.85981 | 56 | | (40-140) |
| n-Octacosane (C28) | 3.3 | 1.82643 | 55 | | (40-140) |
| n-Tricontane (C30) | 3.3 | 1.77873 | 54 | | (40-140) |
| n-Dotriacontane (C32) | 3.3 | 1.81434 | 55 | | (40-140) |
| n-Tetratriacontane (C34) | 3.3 | 2.05277 | 62 | | (40-140) |
| n-Hexatriacontane (C36) | 3.3 | 2.26492 | 69 | | (40-140) |
| n-Octatriacontane (C38) | 3.3 | 2.56386 | 78 | | (40-140) |
| n-Tetracontane (C40) | 3.3 | 2.78050 | 84 | | (40-140) |

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## SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

**Lab Name:** Alliance **Client:** G Environmental

**Lab Code:** ACE **SDG No:** Q2503

**Sample No :** PB168738BSD **Datafile:** FG016240.D **Client ID :** PB168738BSD

| COMPOUND | SPIKE ADDED mg/kg | LCS/LCSD CONCENTRATION mg/kg | % REC | Qual | RPD \| | QC LIMITS (%) | QC Limit Of RPD |
|---|---|---|---|---|---|---|---|
| Aliphatic C28-C40 | 30.0 | 20.2 | 67 | | 0.38\| | (40-140) | 25 |
| Aliphatic C9-C28 | 100.1 | 54.3 | 54 | | 0.495\| | (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 | 1.63004 | 49 | | 0\| | (40-140) | 25 |
| n-Decane (C10) | 3.3 | 1.69781 | 51 | | 0\| | (40-140) | 25 |
| Naphthalene (C11.7) | 3.3 | 1.95952 | 59 | | 0\| | (40-140) | 25 |
| n-Dodecane (C12) | 3.3 | 1.80872 | 55 | | 0\| | (40-140) | 25 |
| 2-methylnaphthalene (C12.89) | 3.3 | 1.95855 | 59 | | 0\| | (40-140) | 25 |
| n-Tetradecane (C14) | 3.3 | 1.94442 | 59 | | 1.71\| | (40-140) | 25 |
| n-Hexadecane (C16) | 3.3 | 1.95658 | 59 | | 0\| | (40-140) | 25 |
| n-Octadecane (C18) | 3.3 | 1.92766 | 58 | | 0\| | (40-140) | 25 |
| n-Eicosane (C20) | 3.3 | 2.04545 | 62 | | 0\| | (40-140) | 25 |
| n-Heneicosane (C21) | 3.3 | 1.98034 | 60 | | 0\| | (40-140) | 25 |
| n-Docosane (C22) | 3.3 | 1.95783 | 59 | | 0\| | (40-140) | 25 |
| n-Tetracosane (C24) | 6.7 | 3.93908 | 59 | | 0\| | (40-140) | 25 |
| n-Hexacosane (C26) | 3.3 | 1.87086 | 57 | | 1.77\| | (40-140) | 25 |
| n-Octacosane (C28) | 3.3 | 1.83439 | 56 | | 1.8\| | (40-140) | 25 |
| n-Tricontane (C30) | 3.3 | 1.79001 | 54 | | 0\| | (40-140) | 25 |
| n-Dotriacontane (C32) | 3.3 | 1.82926 | 55 | | 0\| | (40-140) | 25 |
| n-Tetratriacontane (C34) | 3.3 | 2.06840 | 63 | | 1.6\| | (40-140) | 25 |
| n-Hexatriacontane (C36) | 3.3 | 2.27655 | 69 | | 0\| | (40-140) | 25 |
| n-Octatriacontane (C38) | 3.3 | 2.57651 | 78 | | 0\| | (40-140) | 25 |
| n-Tetracontane (C40) | 3.3 | 2.77844 | 84 | | 0\| | (40-140) | 25 |

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4B
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
PB168738BL

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q2503
Instrument ID: FID_E
Lab Sample ID: PB168738BL
Matrix: (soil/water) Solid
Date Extracted: 7/7/2025 9:30:00 AM
Level: (low/med) low

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

| CLIENT SAMPLE NO. | LAB SAMPLE ID |
|---|---|
| PB168738BS | PB168738BS |
| PB168738BSD | PB168738BSD |
| GCAP2 | Q2503-03 |
| GCAP3 | Q2503-04 |
| WC-1MS | Q2515-01MS |
| WC-1MSD | Q2515-01MSD |

COMMENTS:

# QC SAMPLE DATA

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Capra | | | Date Received: | |
| Client Sample ID: | PB168738BL | | | SDG No.: | Q2503 |
| Lab Sample ID: | PB168738BL | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 | Units: | g | Final Vol: | 2000 uL |
| Soil Aliquot Vol: | | | uL | Test: | EPH_NF |
| Prep Method : | | | | | |

| Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|
| 07/07/25 09:30 | 07/07/25 15:02 | PB168738 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 1.18 | U | 1 | 1.18 | 2.00 | mg/kg | FG016227.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 0.91 | U | 1 | 0.91 | 3.99 | mg/kg | FG016227.D |
| Total AliphaticEPH | Total AliphaticEPH | 2.09 | U | | 2.09 | 5.99 | mg/kg | |
| Total EPH | Total EPH | 2.09 | U | | 2.09 | 5.99 | mg/kg | |

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | Date Collected: | | |
| Project: | Capra | | Date Received: | | |
| Client Sample ID: | PB168738BL | | SDG No.: | Q2503 | |
| Lab Sample ID: | PB168738BL | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 100 | |
| Sample Wt/Vol: | 30.02 | Units: g | Final Vol: | 2000 | uL |
| Soil Aliquot Vol: | | uL | Test: | EPH_NF | |
| Prep Method : | | | | | |

| File ID : | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|---|---|
| FG016227.D | 1 | 07/07/25 | 07/07/25 | PB168738 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 0.91 | U | 0.91 | 3.99 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 1.18 | U | 1.18 | 2.00 | mg/kg |
| **SURROGATES** | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 46.9 | | 40 - 140 | 94% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | 45.8 | | 40 - 140 | 92% | SPK: 50 |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | PB168738BL | Acq On: | 07 Jul 2025 15:02 |
| Client Sample ID: | PB168738BL | Operator: | YP\AJ |
| Data file: | FG016227.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 | 3.313 | 6.958 | 0 | 0 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.959 | 10.419 | 0 | 0 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.420 | 13.811 | 0 | 0 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.812 | 17.498 | 0 | 0 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.499 | 22.561 | 0 | 0 | 600 | ug/ml |
| Aliphatic EPH | 3.313 | 22.561 | 0 | 0 | | ug/ml |
| ortho-Terphenyl (SURR) | 12.103 | 12.103 | 5903658 | 45.76 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.547 | 13.547 | 4722752 | 46.87 | | ug/ml |
| Aliphatic C9-C28 | 3.313 | 17.498 | 0 | 0 | 1200 | ug/ml |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | Date Collected: | | |
| Project: | Capra | | Date Received: | | |
| Client Sample ID: | PB168738BS | | SDG No.: | Q2503 | |
| Lab Sample ID: | PB168738BS | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 100 | |
| Sample Wt/Vol: | 30.03 | Units: g | Final Vol: | 2000 | uL |
| Soil Aliquot Vol: | | uL | Test: | EPH_NF | |
| Prep Method : | | | | | |

| Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|
| 07/07/25 09:30 | 07/08/25 10:54 | PB168738 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 20.1 | | 1 | 1.18 | 2.00 | mg/kg | FG016239.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 54.0 | | 1 | 0.91 | 3.99 | mg/kg | FG016239.D |
| Total AliphaticEPH | Total AliphaticEPH | 74.1 | | | 2.09 | 5.99 | mg/kg | |
| Total EPH | Total EPH | 74.1 | | | 2.09 | 5.99 | mg/kg | |

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | Date Collected: | | |
| Project: | Capra | | Date Received: | | |
| Client Sample ID: | PB168738BS | | SDG No.: | Q2503 | |
| Lab Sample ID: | PB168738BS | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 100 | |
| Sample Wt/Vol: | 30.03 | Units: g | Final Vol: | 2000 | uL |
| Soil Aliquot Vol: | | uL | Test: | EPH_NF | |
| Prep Method : | | | | | |

| File ID : | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|---|---|
| FG016239.D | 1 | 07/07/25 | 07/08/25 | PB168738 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 54.0 | | 0.91 | 3.99 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 20.1 | | 1.18 | 2.00 | mg/kg |
| **SURROGATES** | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 26.4 | | 40 - 140 | 53% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | 25.6 | | 40 - 140 | 51% | SPK: 50 |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | PB168738BS | Acq On: | 08 Jul 2025 10:54 |
| Client Sample ID: | PB168738BS | Operator: | YP\AJ |
| Data file: | FG016239.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 | 3.312 | 6.954 | 15063717 | 137.778 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.955 | 10.414 | 21381869 | 191.209 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.415 | 13.806 | 25249298 | 220.557 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.807 | 17.493 | 29968814 | 261.988 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.494 | 22.553 | 27695766 | 301.055 | 600 | ug/ml |
| Aliphatic EPH | 3.312 | 22.553 | 119359464 | 1110 | | ug/ml |
| ortho-Terphenyl (SURR) | 12.096 | 12.096 | 3298568 | 25.57 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.542 | 13.542 | 2659381 | 26.39 | | ug/ml |
| Aliphatic C9-C28 | 3.312 | 17.493 | 91663698 | 811.532 | 1200 | ug/ml |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | Date Collected: | | |
| Project: | Capra | | Date Received: | | |
| Client Sample ID: | PB168738BSD | | SDG No.: | Q2503 | |
| Lab Sample ID: | PB168738BSD | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 100 | |
| Sample Wt/Vol: | 30.01 | Units: g | Final Vol: | 2000 | uL |
| Soil Aliquot Vol: | | uL | Test: | EPH_NF | |
| Prep Method : | | | | | |

| Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|
| 07/07/25 09:30 | 07/08/25 11:25 | PB168738 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 20.2 | | 1 | 1.18 | 2.00 | mg/kg | FG016240.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 54.3 | | 1 | 0.91 | 4.00 | mg/kg | FG016240.D |
| Total AliphaticEPH | Total AliphaticEPH | 74.5 | | | 2.09 | 6.00 | mg/kg | |
| Total EPH | Total EPH | 74.5 | | | 2.09 | 6.00 | mg/kg | |

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | Date Collected: | | |
| Project: | Capra | | Date Received: | | |
| Client Sample ID: | PB168738BSD | | SDG No.: | Q2503 | |
| Lab Sample ID: | PB168738BSD | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 100 | |
| Sample Wt/Vol: | 30.01 Units: | g | Final Vol: | 2000 | uL |
| Soil Aliquot Vol: | | uL | Test: | EPH_NF | |
| Prep Method : | | | | | |

| File ID : | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|---|---|
| FG016240.D | 1 | 07/07/25 | 07/08/25 | PB168738 |

| CAS Number | Parameter | | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | | 54.3 | | 0.91 | 4.00 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | | 20.2 | | 1.18 | 2.00 | mg/kg |
| **SURROGATES** | | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | | 26.6 | | 40 - 140 | 53% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | | 25.8 | | 40 - 140 | 52% | SPK: 50 |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | PB168738BSD | Acq On: | 08 Jul 2025 11:25 |
| Client Sample ID: | PB168738BSD | Operator: | YP\AJ |
| Data file: | FG016240.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 | 3.312 | 6.954 | 15117255 | 138.267 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.955 | 10.414 | 21524884 | 192.488 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.415 | 13.806 | 25397029 | 221.848 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.807 | 17.493 | 30021454 | 262.448 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.494 | 22.553 | 27846034 | 302.688 | 600 | ug/ml |
| Aliphatic EPH | 3.312 | 22.553 | 119906656 | 1120 | | ug/ml |
| ortho-Terphenyl (SURR) | 12.095 | 12.095 | 3322275 | 25.75 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.540 | 13.540 | 2674882 | 26.55 | | ug/ml |
| Aliphatic C9-C28 | 3.312 | 17.493 | 92060622 | 815.051 | 1200 | ug/ml |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Capra | | | Date Received: | |
| Client Sample ID: | WC-1MS | | | SDG No.: | Q2503 |
| Lab Sample ID: | Q2515-01MS | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 87.5 |
| Sample Wt/Vol: | 30.05 | Units: | g | Final Vol: | 2000 uL |
| Soil Aliquot Vol: | | | uL | Test: | EPH_NF |
| Prep Method : | | | | | |

| Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|
| 07/07/25 09:30 | 07/07/25 17:31 | PB168738 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 49.4 | E | 1 | 1.35 | 2.28 | mg/kg | FG016232.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 108 | E | 1 | 1.04 | 4.56 | mg/kg | FG016232.D |
| Total AliphaticEPH | Total AliphaticEPH | 157 | | | 2.39 | 6.84 | mg/kg | |
| Total EPH | Total EPH | 157 | | | 2.39 | 6.84 | mg/kg | |

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | Date Collected: | | |
| Project: | Capra | | Date Received: | | |
| Client Sample ID: | WC-1MS | | SDG No.: | Q2503 | |
| Lab Sample ID: | Q2515-01MS | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 87.5 | |
| Sample Wt/Vol: | 30.05 | Units: g | Final Vol: | 2000 | uL |
| Soil Aliquot Vol: | | uL | Test: | EPH_NF | |
| Prep Method : | | | | | |

| File ID : | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|---|---|
| FG016232.D | 1 | 07/07/25 | 07/07/25 | PB168738 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 108 | E | 1.04 | 4.56 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 49.4 | E | 1.35 | 2.28 | mg/kg |
| **SURROGATES** | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 37.8 | | 40 - 140 | 76% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | 34.6 | | 40 - 140 | 69% | SPK: 50 |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q2515-01MS | Acq On: | 07 Jul 2025 17:31 |
| Client Sample ID: | WC-1MS | Operator: | YP\AJ |
| Data file: | FG016232.D | Misc: | |
| Instrument: | FID_G | ALS Vial: | 26 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.313 | 6.958 | 24489954 | 223.993 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.959 | 10.419 | 34348294 | 307.162 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.420 | 13.811 | 48224428 | 421.249 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.812 | 17.498 | 52987317 | 463.216 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.499 | 22.561 | 59796243 | 649.989 | 600 | ug/ml |
| Aliphatic EPH | 3.313 | 22.561 | 219846236 | 2070 | | ug/ml |
| ortho-Terphenyl (SURR) | 12.098 | 12.098 | 4471160 | 34.65 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.543 | 13.543 | 3810382 | 37.81 | | ug/ml |
| Aliphatic C9-C28 | 3.313 | 17.498 | 160049993 | 1420 | 1200 | ug/ml |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Capra | | | Date Received: | |
| Client Sample ID: | WC-1MSD | | | SDG No.: | Q2503 |
| Lab Sample ID: | Q2515-01MSD | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 87.5 |
| Sample Wt/Vol: | 30.02 | Units: | g | Final Vol: | 2000 uL |
| Soil Aliquot Vol: | | | uL | Test: | EPH_NF |
| Prep Method : | | | | | |

| Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|
| 07/07/25 09:30 | 07/07/25 18:01 | PB168738 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 49.8 | E | 1 | 1.35 | 2.28 | mg/kg | FG016233.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 111 | E | 1 | 1.04 | 4.56 | mg/kg | FG016233.D |
| Total AliphaticEPH | Total AliphaticEPH | 161 | | | 2.39 | 6.84 | mg/kg | |
| Total EPH | Total EPH | 161 | | | 2.39 | 6.84 | mg/kg | |

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | Date Collected: | | |
| Project: | Capra | | Date Received: | | |
| Client Sample ID: | WC-1MSD | | SDG No.: | Q2503 | |
| Lab Sample ID: | Q2515-01MSD | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 87.5 | |
| Sample Wt/Vol: | 30.02 | Units: g | Final Vol: | 2000 | uL |
| Soil Aliquot Vol: | | uL | Test: | EPH_NF | |
| Prep Method : | | | | | |

| File ID : | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|---|---|
| FG016233.D | 1 | 07/07/25 | 07/07/25 | PB168738 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 111 | E | 1.04 | 4.56 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 49.8 | E | 1.35 | 2.28 | mg/kg |
| **SURROGATES** | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 37.9 | | 40 - 140 | 76% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | 34.7 | | 40 - 140 | 69% | SPK: 50 |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q2515-01MSD | Acq On: | 07 Jul 2025 18:01 |
| Client Sample ID: | WC-1MSD | Operator: | YP\AJ |
| Data file: | FG016233.D | Misc: | |
| Instrument: | FID_G | ALS Vial: | 27 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.313 | 6.958 | 24346147 | 222.678 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.959 | 10.419 | 34347110 | 307.152 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.420 | 13.811 | 52910221 | 462.18 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.812 | 17.498 | 53035974 | 463.641 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.499 | 22.561 | 60131950 | 653.638 | 600 | ug/ml |
| Aliphatic EPH | 3.313 | 22.561 | 224771402 | 2110 | | ug/ml |
| ortho-Terphenyl (SURR) | 12.098 | 12.098 | 4481342 | 34.73 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.543 | 13.543 | 3820596 | 37.92 | | ug/ml |
| Aliphatic C9-C28 | 3.313 | 17.498 | 164639452 | 1460 | 1200 | ug/ml |

# CALIBRATION SUMMARY

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# Inital Calibration Report for SequenceID : FE062725AL

**AreaCount**

| Parameter Range | FE054608.D | FE054609.D | FE054610.D | FE054611.D | FE054612.D | |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 38319626.000 | 18841259.000 | 7903525.000 | 4345683.000 | 2255301.000 | |
| Aliphatic C12-C16 | 26299885.000 | 12905734.000 | 5443215.000 | 2993160.000 | 1565455.000 | |
| Aliphatic C16-C21 | 40647007.000 | 19884289.000 | 8390490.000 | 4604333.000 | 2408955.000 | |
| Aliphatic C21-C28 | 54422256.000 | 26660814.000 | 11204648.000 | 6127397.000 | 3213117.000 | |
| Aliphatic C28-C40 | 69156138.000 | 36606449.000 | 15572202.000 | 9126447.000 | 5222398.000 | |
| Aliphatic EPH | 228844912.000 | 114898545.000 | 48514080.000 | 27197020.000 | 14665226.000 | |

**AVG Response Factor**

| Parameter Range | AVG RF | % RSD | | | | |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 136055.079333 | 8.044 | | | | |
| Aliphatic C12-C16 | 140568.128 | 8.513 | | | | |
| Aliphatic C16-C21 | 144393.643333 | 8.376 | | | | |
| Aliphatic C21-C28 | 144651.717 | 8.126 | | | | |
| Aliphatic C28-C40 | 138647.4919998 | 17.441 | | | | |
| Aliphatic EPH | 140720.791333 | 11.192 | | | | |

**Concentration**

| Parameter Range | FE054608.D | FE054609.D | FE054610.D | FE054611.D | FE054612.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 | FE054608.D | FE054609.D | FE054610.D | FE054611.D | FE054612.D | |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 127732.086666 | 125608.393333 | 131725.416666 | 144856.100000 | 150353.400000 | |
| Aliphatic C12-C16 | 131499.425000 | 129057.340000 | 136080.375000 | 149658.000000 | 156545.500000 | |
| Aliphatic C16-C21 | 135490.023333 | 132561.926666 | 139841.500000 | 153477.766666 | 160597.000000 | |

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Inital Calibration Report for SequenceID : FE062725AL

| | | | | | | |
|---|---|---|---|---|---|---|
| Aliphatic C21-C28 | 136055.640000 | 133304.070000 | 140058.100000 | 153184.925000 | 160655.850000 | |
| Aliphatic C28-C40 | 115260.230000 | 122021.496666 | 129768.350000 | 152107.450000 | 174079.933333 | |
| Aliphatic EPH | 127136.062222 | 127665.050000 | 134761.333333 | 151094.555555 | 162946.955555 | |

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# Inital Calibration Report for SequenceID : FG061325AL

**AreaCount**

| Parameter Range | FG016071.D | FG016072.D | FG016073.D | FG016074.D | FG016075.D | |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 31187111.000 | 16030205.000 | 6399100.000 | 3273415.000 | 1801158.000 | |
| Aliphatic C12-C16 | 21347944.000 | 10942901.000 | 4353077.000 | 2229026.000 | 1226761.000 | |
| Aliphatic C16-C21 | 32827684.000 | 16845928.000 | 6678934.000 | 3420442.000 | 1880042.000 | |
| Aliphatic C21-C28 | 43338555.000 | 22406907.000 | 8923987.000 | 4573238.000 | 2513785.000 | |
| Aliphatic C28-C40 | 50822649.000 | 26534359.000 | 10867391.000 | 5588296.000 | 3093801.000 | |
| Aliphatic EPH | 179523943.000 | 92760300.000 | 37222489.000 | 19084417.000 | 10515547.000 | |

**AVG Response Factor**

| Parameter Range | AVG RF | % RSD | | | | |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 109333.5539996 | 5.742 | | | | |
| Aliphatic C12-C16 | 111824.611 | 5.629 | | | | |
| Aliphatic C16-C21 | 114479.6466662 | 5.496 | | | | |
| Aliphatic C21-C28 | 114390.192 | 5.829 | | | | |
| Aliphatic C28-C40 | 91995.767333 | 7.551 | | | | |
| Aliphatic EPH | 105812.4553328 | 6.196 | | | | |

**Concentration**

| Parameter Range | FG016071.D | FG016072.D | FG016073.D | FG016074.D | FG016075.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 | FG016071.D | FG016072.D | FG016073.D | FG016074.D | FG016075.D | |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 103957.036666 | 106868.033333 | 106651.666666 | 109113.833333 | 120077.200000 | |
| Aliphatic C12-C16 | 106739.720000 | 109429.010000 | 108826.925000 | 111451.300000 | 122676.100000 | |
| Aliphatic C16-C21 | 109425.613333 | 112306.186666 | 111315.566666 | 114014.733333 | 125336.133333 | |

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Inital Calibration Report for SequenceID : FG061325AL

| | | | | | | |
|---|---|---|---|---|---|---|
| Aliphatic C21-C28 | 108346.387500 | 112034.535000 | 111549.837500 | 114330.950000 | 125689.250000 | |
| Aliphatic C28-C40 | 84704.415000 | 88447.863333 | 90561.591666 | 93138.266666 | 103126.700000 | |
| Aliphatic EPH | 99735.523888 | 103067.000000 | 103395.802777 | 106024.538888 | 116839.411111 | |

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# Continuing Calibration Report for SequenceID : FE070725AL

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|---|---|---|---|---|---|---|---|
| **File ID :** | **FE054714.D** | | | | | | |
| Aliphatic C9-C12 | 7981359.000 | 60.000 | 3.322 | 6.953 | 133022.650 | 136055.079 | 2.229 |
| Aliphatic C12-C16 | 5466819.000 | 40.000 | 6.954 | 10.404 | 136670.475 | 140568.128 | 2.773 |
| Aliphatic C16-C21 | 7910196.000 | 60.000 | 10.405 | 13.782 | 131836.600 | 144393.643 | 8.696 |
| Aliphatic C21-C28 | 9839779.000 | 80.000 | 13.783 | 17.452 | 122997.238 | 144651.717 | 14.970 |
| Aliphatic C28-C40 | 14156555.000 | 120.000 | 17.453 | 22.469 | 117971.292 | 138647.492 | 14.913 |
| Aliphatic EPH | 45354708.000 | 360.000 | 3.322 | 22.469 | 125985.300 | 140720.791 | 10.471 |

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| | | | |
|---|---|---|---|
| Lab Sample ID: | 20 PPM ALIPHATIC HC S | Acq On: | 07 Jul 2025 20:35 |
| Client Sample ID: | | Operator: | YP\AJ |
| Data file: | FE054714.D | Misc: | |
| Instrument: | FID_E | ALS Vial: | 2 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | Units |
|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.322 | 6.953 | 7981359.000 | 60.000 | ug/ml |
| Aliphatic C12-C16 | 6.954 | 10.404 | 5466819.000 | 40.000 | ug/ml |
| Aliphatic C16-C21 | 10.405 | 13.782 | 7910196.000 | 60.000 | ug/ml |
| Aliphatic C21-C28 | 13.783 | 17.452 | 9839779.000 | 80.000 | ug/ml |
| Aliphatic C28-C40 | 17.453 | 22.469 | 14156555.000 | 120.000 | ug/ml |
| Aliphatic EPH | 3.322 | 22.469 | 45354708.000 | 360.000 | ug/ml |

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# Continuing Calibration Report for SequenceID : FE070725AL

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|---|---|---|---|---|---|---|---|
| **File ID :** | **FE054724.D** | | | | | | |
| Aliphatic C9-C12 | 8395385.000 | 60.000 | 3.322 | 6.953 | 139923.083 | 136055.079 | -2.843 |
| Aliphatic C12-C16 | 5847593.000 | 40.000 | 6.954 | 10.404 | 146189.825 | 140568.128 | -3.999 |
| Aliphatic C16-C21 | 8492201.000 | 60.000 | 10.405 | 13.782 | 141536.683 | 144393.643 | 1.979 |
| Aliphatic C21-C28 | 11903478.000 | 80.000 | 13.783 | 17.452 | 148793.475 | 144651.717 | -2.863 |
| Aliphatic C28-C40 | 17211402.000 | 120.000 | 17.453 | 22.469 | 143428.350 | 138647.492 | -3.448 |
| Aliphatic EPH | 51850059.000 | 360.000 | 3.322 | 22.469 | 144027.942 | 140720.791 | -2.350 |

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Fax : 908 789 8922



| | | | |
|---|---|---|---|
| Lab Sample ID: | 20 PPM ALIPHATIC HC S | Acq On: | 08 Jul 2025 02:09 |
| Client Sample ID: | | Operator: | YP\AJ |
| Data file: | FE054724.D | Misc: | |
| Instrument: | FID_E | ALS Vial: | 6 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | Units |
|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.322 | 6.953 | 8395385.000 | 60.000 | ug/ml |
| Aliphatic C12-C16 | 6.954 | 10.404 | 5847593.000 | 40.000 | ug/ml |
| Aliphatic C16-C21 | 10.405 | 13.782 | 8492201.000 | 60.000 | ug/ml |
| Aliphatic C21-C28 | 13.783 | 17.452 | 11903478.000 | 80.000 | ug/ml |
| Aliphatic C28-C40 | 17.453 | 22.469 | 17211402.000 | 120.000 | ug/ml |
| Aliphatic EPH | 3.322 | 22.469 | 51850059.000 | 360.000 | ug/ml |

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# Continuing Calibration Report for SequenceID : FG070725AL

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|---|---|---|---|---|---|---|---|
| **File ID :** | **FG016226.D** | | | | | | |
| Aliphatic EPH | 36278506.000 | 360.000 | 3.313 | 22.561 | 100773.628 | 105812.455 | 4.762 |
| Aliphatic C9-C12 | 6491363.000 | 60.000 | 3.313 | 6.958 | 108189.383 | 109333.554 | 1.046 |
| Aliphatic C12-C16 | 4445457.000 | 40.000 | 6.959 | 10.419 | 111136.425 | 111824.611 | 0.615 |
| Aliphatic C16-C21 | 6767206.000 | 60.000 | 10.420 | 13.811 | 112786.767 | 114479.647 | 1.479 |
| Aliphatic C21-C28 | 8618135.000 | 80.000 | 13.812 | 17.498 | 107726.688 | 114390.192 | 5.825 |
| Aliphatic C28-C40 | 9956345.000 | 120.000 | 17.499 | 22.561 | 82969.542 | 91995.767 | 9.812 |

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| | | | |
|---|---|---|---|
| Lab Sample ID: | 20 PPM ALIPHATIC HC S | Acq On: | 07 Jul 2025 10:55 |
| Client Sample ID: | | Operator: | YP\AJ |
| Data file: | FG016226.D | Misc: | |
| Instrument: | FID_G | ALS Vial: | 11 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | Units |
|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.313 | 6.958 | 6491363.000 | 60.000 | ug/ml |
| Aliphatic C12-C16 | 6.959 | 10.419 | 4445457.000 | 40.000 | ug/ml |
| Aliphatic C16-C21 | 10.420 | 13.811 | 6767206.000 | 60.000 | ug/ml |
| Aliphatic C21-C28 | 13.812 | 17.498 | 8618135.000 | 80.000 | ug/ml |
| Aliphatic C28-C40 | 17.499 | 22.561 | 9956345.000 | 120.000 | ug/ml |
| Aliphatic EPH | 3.313 | 22.561 | 36278506.000 | 360.000 | ug/ml |

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# Continuing Calibration Report for SequenceID : FG070725AL

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|---|---|---|---|---|---|---|---|
| **File ID :** | **FG016235.D** | | | | | | |
| Aliphatic EPH | 37684618.000 | 360.000 | 3.313 | 22.561 | 104679.494 | 105812.455 | 1.071 |
| Aliphatic C9-C12 | 6726134.000 | 60.000 | 3.313 | 6.958 | 112102.233 | 109333.554 | -2.532 |
| Aliphatic C12-C16 | 4611275.000 | 40.000 | 6.959 | 10.419 | 115281.875 | 111824.611 | -3.092 |
| Aliphatic C16-C21 | 7009172.000 | 60.000 | 10.420 | 13.811 | 116819.533 | 114479.647 | -2.044 |
| Aliphatic C21-C28 | 8970723.000 | 80.000 | 13.812 | 17.498 | 112134.038 | 114390.192 | 1.972 |
| Aliphatic C28-C40 | 10367314.000 | 120.000 | 17.499 | 22.561 | 86394.283 | 91995.767 | 6.089 |

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| | | | |
|---|---|---|---|
| Lab Sample ID: | 20 PPM ALIPHATIC HC S | Acq On: | 07 Jul 2025 19:30 |
| Client Sample ID: | | Operator: | YP\AJ |
| Data file: | FG016235.D | Misc: | |
| Instrument: | FID_G | ALS Vial: | 11 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | Units |
|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.313 | 6.958 | 6726134.000 | 60.000 | ug/ml |
| Aliphatic C12-C16 | 6.959 | 10.419 | 4611275.000 | 40.000 | ug/ml |
| Aliphatic C16-C21 | 10.420 | 13.811 | 7009172.000 | 60.000 | ug/ml |
| Aliphatic C21-C28 | 13.812 | 17.498 | 8970723.000 | 80.000 | ug/ml |
| Aliphatic C28-C40 | 17.499 | 22.561 | 10367314.000 | 120.000 | ug/ml |
| Aliphatic EPH | 3.313 | 22.561 | 37684618.000 | 360.000 | ug/ml |

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# Continuing Calibration Report for SequenceID : FG070825AL

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|---|---|---|---|---|---|---|---|
| **File ID :** | **FG016238.D** | | | | | | |
| Aliphatic C9-C12 | 6761365.000 | 60.000 | 3.312 | 6.954 | 112689.417 | 109333.554 | -3.069 |
| Aliphatic C12-C16 | 4654830.000 | 40.000 | 6.955 | 10.414 | 116370.750 | 111824.611 | -4.065 |
| Aliphatic C16-C21 | 7097103.000 | 60.000 | 10.415 | 13.806 | 118285.050 | 114479.647 | -3.324 |
| Aliphatic C21-C28 | 9336915.000 | 80.000 | 13.807 | 17.493 | 116711.438 | 114390.192 | -2.029 |
| Aliphatic C28-C40 | 10633567.000 | 120.000 | 17.494 | 22.553 | 88613.058 | 91995.767 | 3.677 |
| Aliphatic EPH | 38483780.000 | 360.000 | 3.312 | 22.553 | 106899.389 | 105812.455 | -1.027 |

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| | | | |
|---|---|---|---|
| Lab Sample ID: | 20 PPM ALIPHATIC HC S | Acq On: | 08 Jul 2025 10:17 |
| Client Sample ID: | | Operator: | YP\AJ |
| Data file: | FG016238.D | Misc: | |
| Instrument: | FID_G | ALS Vial: | 11 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | Units |
|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.312 | 6.954 | 6761365.000 | 60.000 | ug/ml |
| Aliphatic C12-C16 | 6.955 | 10.414 | 4654830.000 | 40.000 | ug/ml |
| Aliphatic C16-C21 | 10.415 | 13.806 | 7097103.000 | 60.000 | ug/ml |
| Aliphatic C21-C28 | 13.807 | 17.493 | 9336915.000 | 80.000 | ug/ml |
| Aliphatic C28-C40 | 17.494 | 22.553 | 10633567.000 | 120.000 | ug/ml |
| Aliphatic EPH | 3.312 | 22.553 | 38483780.000 | 360.000 | ug/ml |

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# Continuing Calibration Report for SequenceID : FG070825AL

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|---|---|---|---|---|---|---|---|
| **File ID :** | **FG016242.D** | | | | | | |
| Aliphatic C9-C12 | 6841688.000 | 60.000 | 3.312 | 6.954 | 114028.133 | 109333.554 | -4.294 |
| Aliphatic C12-C16 | 4689449.000 | 40.000 | 6.955 | 10.414 | 117236.225 | 111824.611 | -4.839 |
| Aliphatic C16-C21 | 7109672.000 | 60.000 | 10.415 | 13.806 | 118494.533 | 114479.647 | -3.507 |
| Aliphatic C21-C28 | 9356236.000 | 80.000 | 13.807 | 17.493 | 116952.950 | 114390.192 | -2.240 |
| Aliphatic C28-C40 | 10697536.000 | 120.000 | 17.494 | 22.553 | 89146.133 | 91995.767 | 3.098 |
| Aliphatic EPH | 38694581.000 | 360.000 | 3.312 | 22.553 | 107484.947 | 105812.455 | -1.581 |

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| | | | |
|---|---|---|---|
| Lab Sample ID: | 20 PPM ALIPHATIC HC S | Acq On: | 08 Jul 2025 12:54 |
| Client Sample ID: | | Operator: | YP\AJ |
| Data file: | FG016242.D | Misc: | |
| Instrument: | FID_G | ALS Vial: | 11 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | Units |
|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.312 | 6.954 | 6841688.000 | 60.000 | ug/ml |
| Aliphatic C12-C16 | 6.955 | 10.414 | 4689449.000 | 40.000 | ug/ml |
| Aliphatic C16-C21 | 10.415 | 13.806 | 7109672.000 | 60.000 | ug/ml |
| Aliphatic C21-C28 | 13.807 | 17.493 | 9356236.000 | 80.000 | ug/ml |
| Aliphatic C28-C40 | 17.494 | 22.553 | 10697536.000 | 120.000 | ug/ml |
| Aliphatic EPH | 3.312 | 22.553 | 38694581.000 | 360.000 | ug/ml |

# SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054715.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 21:05
Operator : YP\AJ
Sample : Q2503-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
FID_E
**ClientSampleId :**
GCAP2

Integration File: autoint1.e
Quant Time: Jul 08 03:33:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 9) S ortho-Terphenyl (SURR) | 12.083 | 7042756 | 43.368 ug/ml |
| Spiked Amount 50.000 | | Recovery = | 86.74% |
| 12) S 1-chlorooctadecane (S... | 13.518 | 5403219 | 42.783 ug/ml |
| Spiked Amount 50.000 | | Recovery = | 85.57% |
| Target Compounds | | | |

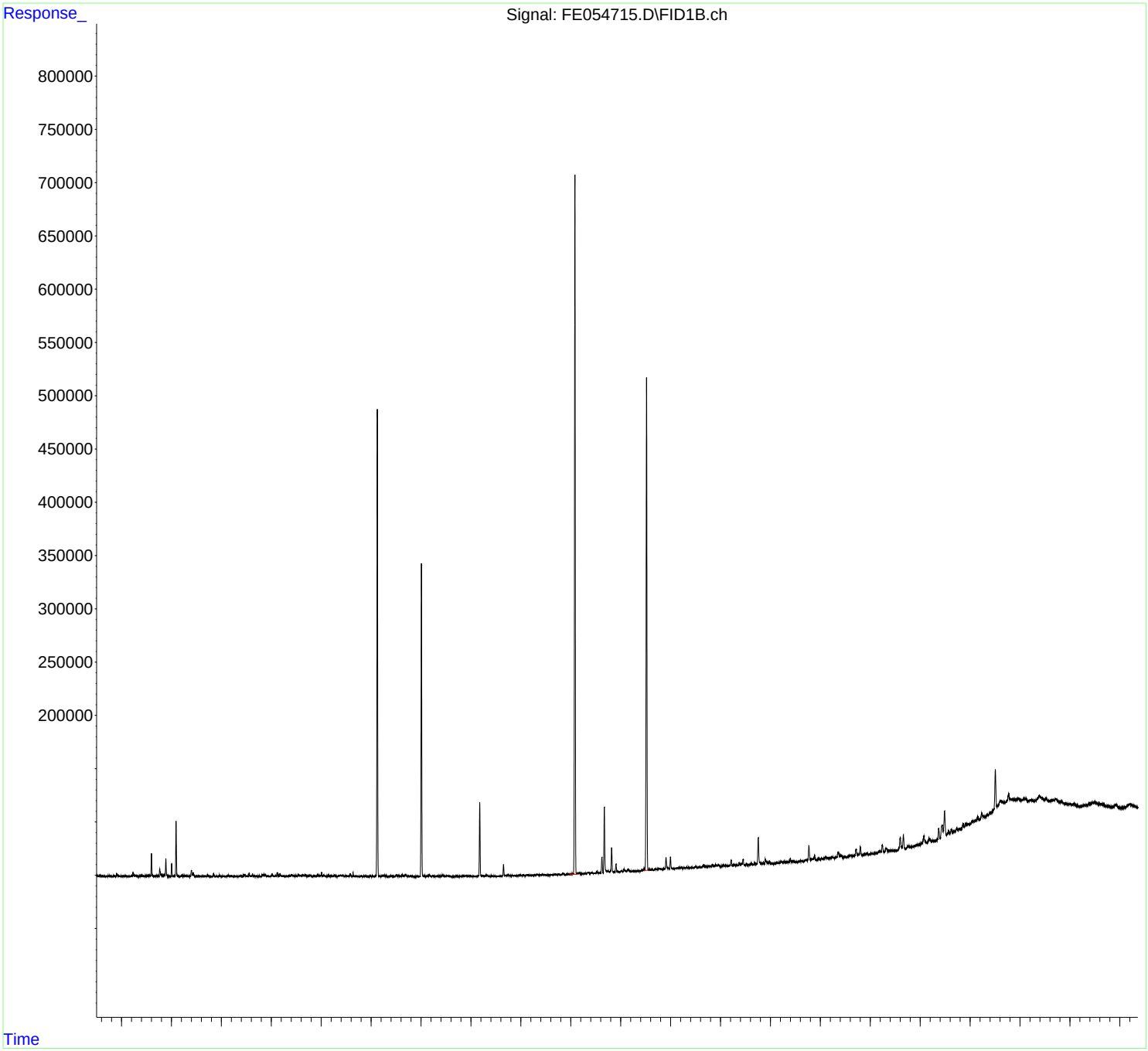
(f)=RT Delta > 1/2 Window (m)=manual int.

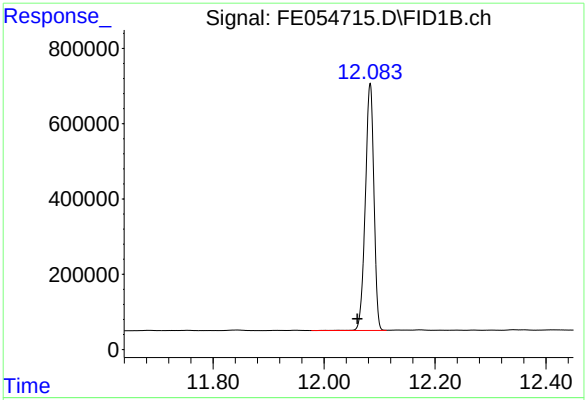
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054715.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 21:05
Operator : YP\AJ
Sample : Q2503-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
FID_E
**ClientSampleId :**
GCAP2

Integration File: autoint1.e
Quant Time: Jul 08 03:33:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

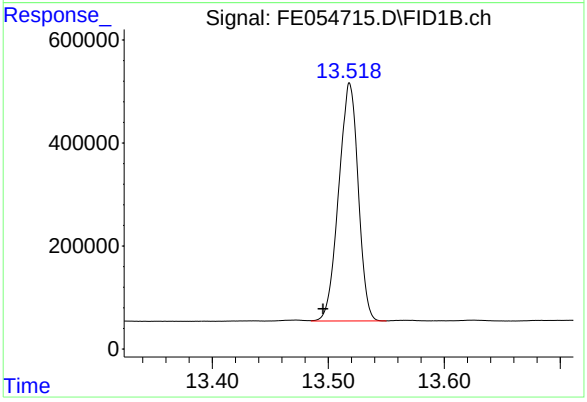





#9 ortho-Terphenyl (SURR)

R.T.: 12.083 min
Delta R.T.: 0.023 min
Response: 7042756
Conc: 43.37 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
GCAP2




#12 1-chlorooctadecane (SURR)

R.T.: 13.518 min
Delta R.T.: 0.023 min
Response: 5403219
Conc: 42.78 ug/ml

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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054715.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 21:05
Sample : Q2503-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Title : GC Extractables

Signal : FID1B.ch

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|
| 1 | 2.839 | 2.805 | 2.871 | BV | 702 | 10379 | 0.15% | 0.022% |
| 2 | 2.904 | 2.871 | 2.941 | PV | 2132 | 34665 | 0.49% | 0.075% |
| 3 | 2.952 | 2.941 | 2.975 | VV | 428 | 7812 | 0.11% | 0.017% |
| 4 | 2.995 | 2.975 | 3.014 | VV | 527 | 9099 | 0.13% | 0.020% |
| 5 | 3.034 | 3.014 | 3.068 | VV | 545 | 12307 | 0.17% | 0.026% |
| 6 | 3.109 | 3.068 | 3.138 | VV | 519 | 13001 | 0.18% | 0.028% |
| 7 | 3.151 | 3.138 | 3.171 | VV | 313 | 3964 | 0.06% | 0.009% |
| 8 | 3.201 | 3.171 | 3.213 | VV | 601 | 11143 | 0.16% | 0.024% |
| 9 | 3.231 | 3.213 | 3.264 | VV | 3505 | 43939 | 0.62% | 0.094% |
| 10 | 3.275 | 3.264 | 3.361 | VV | 896 | 25253 | 0.36% | 0.054% |
| 11 | 3.396 | 3.361 | 3.428 | VV | 1193 | 23729 | 0.34% | 0.051% |
| 12 | 3.440 | 3.428 | 3.478 | VV | 646 | 11504 | 0.16% | 0.025% |
| 13 | 3.493 | 3.478 | 3.506 | VV | 359 | 5034 | 0.07% | 0.011% |
| 14 | 3.533 | 3.506 | 3.555 | VV | 987 | 18192 | 0.26% | 0.039% |
| 15 | 3.566 | 3.555 | 3.578 | VV | 964 | 10760 | 0.15% | 0.023% |
| 16 | 3.600 | 3.578 | 3.685 | VV | 21484 | 213419 | 3.03% | 0.459% |
| 17 | 3.701 | 3.685 | 3.722 | VV | 819 | 11204 | 0.16% | 0.024% |
| 18 | 3.738 | 3.722 | 3.748 | VV | 735 | 8472 | 0.12% | 0.018% |
| 19 | 3.765 | 3.748 | 3.798 | VV | 6812 | 91209 | 1.30% | 0.196% |
| 20 | 3.808 | 3.798 | 3.835 | VV | 1577 | 19814 | 0.28% | 0.043% |
| 21 | 3.855 | 3.835 | 3.868 | VV | 1589 | 22856 | 0.32% | 0.049% |
| 22 | 3.888 | 3.868 | 3.934 | VV | 16666 | 173104 | 2.46% | 0.372% |
| 23 | 3.955 | 3.934 | 3.980 | VV | 598 | 9945 | 0.14% | 0.021% |
| 24 | 4.004 | 3.980 | 4.044 | VV | 12189 | 116126 | 1.65% | 0.250% |
| 25 | 4.093 | 4.044 | 4.171 | VV | 52123 | 503108 | 7.14% | 1.082% |
| 26 | 4.215 | 4.171 | 4.233 | VV | 1369 | 22759 | 0.32% | 0.049% |
| 27 | 4.286 | 4.233 | 4.315 | VV | 699 | 25618 | 0.36% | 0.055% |
| 28 | 4.323 | 4.315 | 4.353 | VV | 622 | 7733 | 0.11% | 0.017% |
| 29 | 4.400 | 4.353 | 4.419 | VV | 6040 | 76776 | 1.09% | 0.165% |
| 30 | 4.436 | 4.419 | 4.475 | VV | 3535 | 49751 | 0.71% | 0.107% |
| 31 | 4.497 | 4.475 | 4.509 | VV | 452 | 6790 | 0.10% | 0.015% |
| 32 | 4.534 | 4.509 | 4.551 | VV | 1239 | 14958 | 0.21% | 0.032% |
| 33 | 4.575 | 4.551 | 4.599 | VV | 445 | 9248 | 0.13% | 0.020% |
| 34 | 4.621 | 4.599 | 4.651 | VV | 626 | 10530 | 0.15% | 0.023% |
| 35 | 4.677 | 4.651 | 4.700 | VV | 788 | 14619 | 0.21% | 0.031% |
| 36 | 4.722 | 4.700 | 4.778 | VV | 1252 | 30525 | 0.43% | 0.066% |

rteres

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 37 | 4.789 | 4.778 | 4.817 | VV | 470 | 5266 | 0.07% | 0.011% |
| 38 | 4.842 | 4.817 | 4.878 | PV | 2978 | 37640 | 0.53% | 0.081% |
| 39 | 4.895 | 4.878 | 4.914 | VV | 599 | 8625 | 0.12% | 0.019% |
| 40 | 4.925 | 4.914 | 4.945 | VV | 314 | 4925 | 0.07% | 0.011% |
| 41 | 4.962 | 4.945 | 4.981 | VV | 1749 | 19174 | 0.27% | 0.041% |
| 42 | 4.990 | 4.981 | 5.005 | VV | 411 | 4042 | 0.06% | 0.009% |
| 43 | 5.045 | 5.005 | 5.055 | VV | 514 | 9864 | 0.14% | 0.021% |
| 44 | 5.068 | 5.055 | 5.085 | VV | 679 | 8163 | 0.12% | 0.018% |
| 45 | 5.097 | 5.085 | 5.110 | VV | 564 | 6951 | 0.10% | 0.015% |
| 46 | 5.139 | 5.110 | 5.165 | VV | 1218 | 22881 | 0.32% | 0.049% |
| 47 | 5.197 | 5.165 | 5.241 | VV | 1223 | 18475 | 0.26% | 0.040% |
| 48 | 5.261 | 5.241 | 5.281 | VV | 652 | 8655 | 0.12% | 0.019% |
| 49 | 5.294 | 5.281 | 5.320 | VV | 398 | 5966 | 0.08% | 0.013% |
| 50 | 5.358 | 5.320 | 5.371 | VV | 604 | 10831 | 0.15% | 0.023% |
| 51 | 5.388 | 5.371 | 5.417 | VV | 1350 | 19239 | 0.27% | 0.041% |
| 52 | 5.441 | 5.417 | 5.454 | VV | 1782 | 19111 | 0.27% | 0.041% |
| 53 | 5.469 | 5.454 | 5.485 | VV | 2295 | 23358 | 0.33% | 0.050% |
| 54 | 5.497 | 5.485 | 5.518 | VV | 745 | 10196 | 0.14% | 0.022% |
| 55 | 5.526 | 5.518 | 5.538 | VV | 465 | 3598 | 0.05% | 0.008% |
| 56 | 5.554 | 5.538 | 5.585 | VV | 3051 | 35464 | 0.50% | 0.076% |
| 57 | 5.622 | 5.585 | 5.645 | VV | 2346 | 32700 | 0.46% | 0.070% |
| 58 | 5.669 | 5.645 | 5.685 | VV | 842 | 14422 | 0.20% | 0.031% |
| 59 | 5.698 | 5.685 | 5.715 | VV | 822 | 9721 | 0.14% | 0.021% |
| 60 | 5.728 | 5.715 | 5.750 | VV | 352 | 6615 | 0.09% | 0.014% |
| 61 | 5.763 | 5.750 | 5.785 | VV | 379 | 5001 | 0.07% | 0.011% |
| 62 | 5.818 | 5.785 | 5.832 | VV | 1936 | 25091 | 0.36% | 0.054% |
| 63 | 5.851 | 5.832 | 5.865 | VV | 2079 | 28358 | 0.40% | 0.061% |
| 64 | 5.878 | 5.865 | 5.901 | VV | 2550 | 29047 | 0.41% | 0.062% |
| 65 | 5.923 | 5.901 | 5.941 | VV | 911 | 13073 | 0.19% | 0.028% |
| 66 | 5.953 | 5.941 | 5.985 | VV | 385 | 7864 | 0.11% | 0.017% |
| 67 | 6.013 | 5.985 | 6.057 | VV | 2490 | 43626 | 0.62% | 0.094% |
| 68 | 6.082 | 6.057 | 6.098 | VV | 714 | 12940 | 0.18% | 0.028% |
| 69 | 6.117 | 6.098 | 6.154 | VV | 3682 | 56943 | 0.81% | 0.122% |
| 70 | 6.172 | 6.154 | 6.201 | VV | 2985 | 38895 | 0.55% | 0.084% |
| 71 | 6.212 | 6.201 | 6.225 | VV | 893 | 8975 | 0.13% | 0.019% |
| 72 | 6.247 | 6.225 | 6.279 | VV | 713 | 13523 | 0.19% | 0.029% |
| 73 | 6.302 | 6.279 | 6.321 | PV | 827 | 10342 | 0.15% | 0.022% |
| 74 | 6.357 | 6.321 | 6.377 | VV | 1247 | 22625 | 0.32% | 0.049% |
| 75 | 6.400 | 6.377 | 6.442 | VV | 2104 | 44194 | 0.63% | 0.095% |
| 76 | 6.451 | 6.442 | 6.467 | VV | 898 | 9754 | 0.14% | 0.021% |
| 77 | 6.491 | 6.467 | 6.517 | VV | 1014 | 19867 | 0.28% | 0.043% |
| 78 | 6.539 | 6.517 | 6.571 | VV | 2095 | 41989 | 0.60% | 0.090% |
| 79 | 6.585 | 6.571 | 6.610 | VV | 1241 | 20616 | 0.29% | 0.044% |
| 80 | 6.627 | 6.610 | 6.670 | VV | 1973 | 39821 | 0.57% | 0.086% |
| 81 | 6.689 | 6.670 | 6.708 | VV | 1695 | 25952 | 0.37% | 0.056% |
| 82 | 6.729 | 6.708 | 6.747 | VV | 781 | 15362 | 0.22% | 0.033% |
| 83 | 6.774 | 6.747 | 6.825 | VV | 1161 | 33567 | 0.48% | 0.072% |
| 84 | 6.851 | 6.825 | 6.904 | VV | 1026 | 26301 | 0.37% | 0.057% |
| 85 | 6.929 | 6.904 | 6.956 | VV | 2208 | 31856 | 0.45% | 0.068% |
| 86 | 6.977 | 6.956 | 6.991 | VV | 900 | 15570 | 0.22% | 0.033% |
| 87 | 7.007 | 6.991 | 7.030 | VV | 3820 | 42609 | 0.61% | 0.092% |
| 88 | 7.053 | 7.030 | 7.093 | VV | 1419 | 28301 | 0.40% | 0.061% |
| 89 | 7.110 | 7.093 | 7.125 | VV | 628 | 9100 | 0.13% | 0.020% |

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|---|---|---|---|---|---|---|---|---|
| 90 | 7.142 | 7.125 | 7.161 | VV | 1412 | 17623 | 0.25% | 0.038% |
| 91 | 7.184 | 7.161 | 7.213 | VV | 915 | 18255 | 0.26% | 0.039% |
| 92 | 7.224 | 7.213 | 7.237 | VV | 551 | 6396 | 0.09% | 0.014% |
| 93 | 7.266 | 7.237 | 7.291 | VV | 1551 | 22948 | 0.33% | 0.049% |
| 94 | 7.345 | 7.291 | 7.355 | VV | 957 | 19024 | 0.27% | 0.041% |
| 95 | 7.392 | 7.355 | 7.414 | VV | 1250 | 33704 | 0.48% | 0.072% |
| 96 | 7.431 | 7.414 | 7.467 | VV | 1454 | 24448 | 0.35% | 0.053% |
| 97 | 7.493 | 7.467 | 7.525 | VV | 751 | 19510 | 0.28% | 0.042% |
| 98 | 7.542 | 7.525 | 7.557 | VV | 525 | 8430 | 0.12% | 0.018% |
| 99 | 7.578 | 7.557 | 7.621 | VV | 2835 | 43296 | 0.61% | 0.093% |
| 100 | 7.638 | 7.621 | 7.663 | VV | 2287 | 20253 | 0.29% | 0.044% |
| 101 | 7.681 | 7.663 | 7.699 | VV | 510 | 9107 | 0.13% | 0.020% |
| 102 | 7.710 | 7.699 | 7.749 | VV | 383 | 8140 | 0.12% | 0.018% |
| 103 | 7.769 | 7.749 | 7.777 | VV | 369 | 4344 | 0.06% | 0.009% |
| 104 | 7.802 | 7.777 | 7.841 | VV | 651 | 13089 | 0.19% | 0.028% |
| 105 | 7.862 | 7.841 | 7.878 | VV | 621 | 8553 | 0.12% | 0.018% |
| 106 | 7.889 | 7.878 | 7.912 | VV | 511 | 7244 | 0.10% | 0.016% |
| 107 | 7.924 | 7.912 | 7.958 | VV | 373 | 6315 | 0.09% | 0.014% |
| 108 | 7.982 | 7.958 | 8.006 | VV | 943 | 13907 | 0.20% | 0.030% |
| 109 | 8.027 | 8.006 | 8.078 | VV | 674 | 12025 | 0.17% | 0.026% |
| 110 | 8.177 | 8.171 | 8.204 | VV | 424 | 5900 | 0.08% | 0.013% |
| 111 | 8.233 | 8.204 | 8.251 | VV | 1291 | 20718 | 0.29% | 0.045% |
| 112 | 8.266 | 8.251 | 8.327 | VV | 1412 | 22553 | 0.32% | 0.048% |
| 113 | 8.339 | 8.327 | 8.355 | VV | 257 | 3249 | 0.05% | 0.007% |
| 114 | 8.399 | 8.355 | 8.445 | VV | 718 | 17848 | 0.25% | 0.038% |
| 115 | 8.451 | 8.445 | 8.461 | VV | 235 | 2236 | 0.03% | 0.005% |
| 116 | 8.509 | 8.461 | 8.528 | VV | 1578 | 30353 | 0.43% | 0.065% |
| 117 | 8.545 | 8.528 | 8.568 | VV | 1333 | 16875 | 0.24% | 0.036% |
| 118 | 8.582 | 8.568 | 8.595 | VV | 651 | 8437 | 0.12% | 0.018% |
| 119 | 8.619 | 8.595 | 8.636 | VV | 1389 | 19832 | 0.28% | 0.043% |
| 120 | 8.649 | 8.636 | 8.662 | VV | 860 | 10367 | 0.15% | 0.022% |
| 121 | 8.688 | 8.662 | 8.731 | VV | 1790 | 38456 | 0.55% | 0.083% |
| 122 | 8.746 | 8.731 | 8.765 | VV | 491 | 6760 | 0.10% | 0.015% |
| 123 | 8.798 | 8.765 | 8.870 | VV | 543 | 18124 | 0.26% | 0.039% |
| 124 | 8.897 | 8.870 | 8.907 | VV | 220 | 2530 | 0.04% | 0.005% |
| 125 | 8.924 | 8.907 | 8.973 | VV | 235 | 4396 | 0.06% | 0.009% |
| 126 | 9.053 | 9.045 | 9.092 | VV | 524 | 11545 | 0.16% | 0.025% |
| 127 | 9.102 | 9.092 | 9.120 | VV | 388 | 5086 | 0.07% | 0.011% |
| 128 | 9.165 | 9.120 | 9.213 | VV | 1478 | 33463 | 0.48% | 0.072% |
| 129 | 9.232 | 9.213 | 9.287 | VV | 720 | 13710 | 0.19% | 0.029% |
| 130 | 9.317 | 9.287 | 9.331 | VV | 462 | 7189 | 0.10% | 0.015% |
| 131 | 9.347 | 9.331 | 9.368 | VV | 382 | 5867 | 0.08% | 0.013% |
| 132 | 9.378 | 9.368 | 9.401 | VV | 393 | 5941 | 0.08% | 0.013% |
| 133 | 9.426 | 9.401 | 9.486 | VV | 1384 | 33843 | 0.48% | 0.073% |
| 134 | 9.519 | 9.486 | 9.538 | VV | 879 | 14080 | 0.20% | 0.030% |
| 135 | 9.558 | 9.538 | 9.598 | VV | 410 | 10182 | 0.14% | 0.022% |
| 136 | 9.607 | 9.598 | 9.625 | VV | 123 | 1225 | 0.02% | 0.003% |
| 137 | 9.639 | 9.625 | 9.663 | VV | 102 | 1891 | 0.03% | 0.004% |
| 138 | 9.676 | 9.663 | 9.689 | VV | 314 | 3336 | 0.05% | 0.007% |
| 139 | 9.711 | 9.689 | 9.767 | VV | 673 | 12130 | 0.17% | 0.026% |
| 140 | 9.819 | 9.767 | 9.838 | PV | 353 | 7672 | 0.11% | 0.016% |
| 141 | 9.858 | 9.838 | 9.882 | VV | 551 | 9694 | 0.14% | 0.021% |

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|---|---|---|---|---|---|---|---|---|
| 142 | 9.902 | 9.882 | 9.948 | VV | 846 | 18367 | 0.26% | 0.039% |
| 143 | 9.979 | 9.948 | 10.015 | VV | 741 | 14941 | 0.21% | 0.032% |
| 144 | 10.062 | 10.015 | 10.070 | VV | 247 | 6519 | 0.09% | 0.014% |
| 145 | 10.082 | 10.070 | 10.120 | VV | 336 | 5961 | 0.08% | 0.013% |
| 146 | 10.177 | 10.120 | 10.216 | VV | 68869 | 700644 | 9.95% | 1.506% |
| 147 | 10.240 | 10.216 | 10.275 | VV | 648 | 13435 | 0.19% | 0.029% |
| 148 | 10.304 | 10.275 | 10.358 | VV | 1151 | 21525 | 0.31% | 0.046% |
| 149 | 10.368 | 10.358 | 10.391 | VV | 182 | 2344 | 0.03% | 0.005% |
| 150 | 10.411 | 10.391 | 10.448 | VV | 533 | 7198 | 0.10% | 0.015% |
| 151 | 10.452 | 10.448 | 10.465 | VV | 126 | 797 | 0.01% | 0.002% |
| 152 | 10.479 | 10.465 | 10.518 | VV | 133 | 2806 | 0.04% | 0.006% |
| 153 | 10.542 | 10.518 | 10.550 | VV | 135 | 910 | 0.01% | 0.002% |
| 154 | 10.576 | 10.550 | 10.600 | VV | 126 | 2564 | 0.04% | 0.006% |
| 155 | 10.653 | 10.600 | 10.678 | PV | 10780 | 114375 | 1.62% | 0.246% |
| 156 | 10.694 | 10.678 | 10.718 | VV | 698 | 10986 | 0.16% | 0.024% |
| 157 | 10.747 | 10.718 | 10.769 | VV | 1159 | 20756 | 0.29% | 0.045% |
| 158 | 10.785 | 10.769 | 10.813 | VV | 555 | 8531 | 0.12% | 0.018% |
| 159 | 10.828 | 10.813 | 10.848 | VV | 330 | 4877 | 0.07% | 0.010% |
| 160 | 10.859 | 10.848 | 10.875 | VV | 353 | 3601 | 0.05% | 0.008% |
| 161 | 10.929 | 10.875 | 10.943 | PV | 426 | 9570 | 0.14% | 0.021% |
| 162 | 10.972 | 10.943 | 10.988 | VV | 879 | 13378 | 0.19% | 0.029% |
| 163 | 11.001 | 10.988 | 11.019 | VV | 645 | 7838 | 0.11% | 0.017% |
| 164 | 11.046 | 11.019 | 11.091 | VV | 953 | 17348 | 0.25% | 0.037% |
| 165 | 11.119 | 11.091 | 11.138 | VV | 977 | 14223 | 0.20% | 0.031% |
| 166 | 11.152 | 11.138 | 11.211 | VV | 642 | 12529 | 0.18% | 0.027% |
| 167 | 11.227 | 11.211 | 11.251 | VV | 505 | 6495 | 0.09% | 0.014% |
| 168 | 11.273 | 11.251 | 11.291 | VV | 748 | 9685 | 0.14% | 0.021% |
| 169 | 11.311 | 11.291 | 11.322 | VV | 866 | 9775 | 0.14% | 0.021% |
| 170 | 11.335 | 11.322 | 11.371 | VV | 739 | 14705 | 0.21% | 0.032% |
| 171 | 11.385 | 11.371 | 11.405 | VV | 493 | 7334 | 0.10% | 0.016% |
| 172 | 11.445 | 11.405 | 11.465 | VV | 737 | 15926 | 0.23% | 0.034% |
| 173 | 11.479 | 11.465 | 11.518 | VV | 428 | 7818 | 0.11% | 0.017% |
| 174 | 11.534 | 11.518 | 11.545 | VV | 165 | 2027 | 0.03% | 0.004% |
| 175 | 11.565 | 11.545 | 11.590 | VV | 320 | 4267 | 0.06% | 0.009% |
| 176 | 11.618 | 11.590 | 11.645 | VV | 318 | 5727 | 0.08% | 0.012% |
| 177 | 11.684 | 11.645 | 11.709 | PV | 952 | 15839 | 0.22% | 0.034% |
| 178 | 11.754 | 11.709 | 11.775 | VV | 984 | 20284 | 0.29% | 0.044% |
| 179 | 11.795 | 11.775 | 11.811 | VV | 332 | 5290 | 0.08% | 0.011% |
| 180 | 11.843 | 11.811 | 11.891 | VV | 1668 | 30666 | 0.44% | 0.066% |
| 181 | 11.915 | 11.891 | 11.932 | PV | 572 | 8486 | 0.12% | 0.018% |
| 182 | 11.949 | 11.932 | 11.985 | VV | 823 | 11177 | 0.16% | 0.024% |
| 183 | 12.002 | 11.985 | 12.011 | VV | 434 | 4275 | 0.06% | 0.009% |
| 184 | 12.083 | 12.011 | 12.118 | VV | 661978 | 7041533 | 100.00% | 15.139% |
| 185 | 12.172 | 12.118 | 12.196 | VV | 1457 | 38670 | 0.55% | 0.083% |
| 186 | 12.210 | 12.196 | 12.221 | VV | 418 | 4908 | 0.07% | 0.011% |
| 187 | 12.239 | 12.221 | 12.254 | VV | 527 | 6315 | 0.09% | 0.014% |
| 188 | 12.269 | 12.254 | 12.285 | VV | 587 | 5733 | 0.08% | 0.012% |
| 189 | 12.302 | 12.285 | 12.320 | VV | 436 | 4802 | 0.07% | 0.010% |
| 190 | 12.342 | 12.320 | 12.380 | VV | 1439 | 26803 | 0.38% | 0.058% |
| 191 | 12.413 | 12.380 | 12.462 | VV | 912 | 22511 | 0.32% | 0.048% |
| 192 | 12.468 | 12.462 | 12.474 | VV | 260 | 1545 | 0.02% | 0.003% |
| 193 | 12.482 | 12.474 | 12.491 | VV | 268 | 1863 | 0.03% | 0.004% |
| 194 | 12.522 | 12.491 | 12.545 | VV | 1586 | 22477 | 0.32% | 0.048% |

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|---|---|---|---|---|---|---|---|---|
| 195 | 12.568 | 12.545 | 12.596 | VV | 379 | 7869 | 0.11% | 0.017% |
| 196 | 12.624 | 12.596 | 12.647 | PV | 14822 | 172102 | 2.44% | 0.370% |
| 197 | 12.672 | 12.647 | 12.721 | VV | 61267 | 706112 | 10.03% | 1.518% |
| 198 | 12.745 | 12.721 | 12.776 | VV | 1756 | 41294 | 0.59% | 0.089% |
| 199 | 12.819 | 12.776 | 12.858 | VV | 23350 | 292915 | 4.16% | 0.630% |
| 200 | 12.862 | 12.858 | 12.875 | VV | 566 | 5154 | 0.07% | 0.011% |
| 201 | 12.906 | 12.875 | 12.929 | VV | 8006 | 97587 | 1.39% | 0.210% |
| 202 | 12.944 | 12.929 | 12.968 | VV | 960 | 14012 | 0.20% | 0.030% |
| 203 | 13.017 | 12.968 | 13.039 | VV | 1172 | 30237 | 0.43% | 0.065% |
| 204 | 13.062 | 13.039 | 13.083 | VV | 2617 | 39617 | 0.56% | 0.085% |
| 205 | 13.094 | 13.083 | 13.112 | VV | 1181 | 15213 | 0.22% | 0.033% |
| 206 | 13.156 | 13.112 | 13.180 | VV | 2485 | 55297 | 0.79% | 0.119% |
| 207 | 13.189 | 13.180 | 13.225 | VV | 498 | 8855 | 0.13% | 0.019% |
| 208 | 13.247 | 13.225 | 13.269 | VV | 1016 | 12998 | 0.18% | 0.028% |
| 209 | 13.285 | 13.269 | 13.301 | VV | 342 | 4079 | 0.06% | 0.009% |
| 210 | 13.325 | 13.301 | 13.345 | PV | 710 | 10413 | 0.15% | 0.022% |
| 211 | 13.355 | 13.345 | 13.381 | VV | 350 | 5255 | 0.07% | 0.011% |
| 212 | 13.435 | 13.381 | 13.446 | VV | 870 | 18316 | 0.26% | 0.039% |
| 213 | 13.471 | 13.446 | 13.483 | VV | 2308 | 32944 | 0.47% | 0.071% |
| 214 | 13.518 | 13.483 | 13.550 | VV | 462114 | 5425394 | 77.05% | 11.664% |
| 215 | 13.567 | 13.550 | 13.588 | VV | 1601 | 25109 | 0.36% | 0.054% |
| 216 | 13.625 | 13.588 | 13.661 | VV | 1714 | 33671 | 0.48% | 0.072% |
| 217 | 13.683 | 13.661 | 13.695 | VV | 1135 | 15440 | 0.22% | 0.033% |
| 218 | 13.710 | 13.695 | 13.736 | VV | 1264 | 28017 | 0.40% | 0.060% |
| 219 | 13.755 | 13.736 | 13.837 | VV | 1782 | 66703 | 0.95% | 0.143% |
| 220 | 13.864 | 13.837 | 13.875 | VV | 1030 | 17486 | 0.25% | 0.038% |
| 221 | 13.909 | 13.875 | 13.943 | VV | 11411 | 168942 | 2.40% | 0.363% |
| 222 | 13.953 | 13.943 | 13.971 | VV | 1602 | 22249 | 0.32% | 0.048% |
| 223 | 13.998 | 13.971 | 14.053 | VV | 11786 | 160749 | 2.28% | 0.346% |
| 224 | 14.064 | 14.053 | 14.080 | VV | 658 | 9567 | 0.14% | 0.021% |
| 225 | 14.140 | 14.080 | 14.156 | VV | 1213 | 43248 | 0.61% | 0.093% |
| 226 | 14.188 | 14.156 | 14.202 | VV | 1204 | 28252 | 0.40% | 0.061% |
| 227 | 14.219 | 14.202 | 14.245 | VV | 1890 | 30734 | 0.44% | 0.066% |
| 228 | 14.268 | 14.245 | 14.280 | VV | 1292 | 20165 | 0.29% | 0.043% |
| 229 | 14.293 | 14.280 | 14.305 | VV | 1288 | 15943 | 0.23% | 0.034% |
| 230 | 14.326 | 14.305 | 14.378 | VV | 1211 | 38356 | 0.54% | 0.082% |
| 231 | 14.419 | 14.378 | 14.441 | VV | 898 | 25689 | 0.36% | 0.055% |
| 232 | 14.510 | 14.441 | 14.536 | VV | 1734 | 53767 | 0.76% | 0.116% |
| 233 | 14.580 | 14.536 | 14.615 | VV | 1013 | 34450 | 0.49% | 0.074% |
| 234 | 14.660 | 14.615 | 14.695 | VV | 2702 | 63421 | 0.90% | 0.136% |
| 235 | 14.709 | 14.695 | 14.726 | VV | 1609 | 22470 | 0.32% | 0.048% |
| 236 | 14.746 | 14.726 | 14.755 | VV | 1141 | 15949 | 0.23% | 0.034% |
| 237 | 14.788 | 14.755 | 14.811 | VV | 1493 | 36208 | 0.51% | 0.078% |
| 238 | 14.833 | 14.811 | 14.859 | VV | 2429 | 41637 | 0.59% | 0.090% |
| 239 | 14.906 | 14.859 | 14.923 | VV | 2181 | 52000 | 0.74% | 0.112% |
| 240 | 14.939 | 14.923 | 14.947 | VV | 1693 | 21291 | 0.30% | 0.046% |
| 241 | 14.960 | 14.947 | 15.021 | VV | 1738 | 42826 | 0.61% | 0.092% |
| 242 | 15.057 | 15.021 | 15.087 | VV | 1426 | 38501 | 0.55% | 0.083% |
| 243 | 15.110 | 15.087 | 15.139 | VV | 1084 | 25220 | 0.36% | 0.054% |
| 244 | 15.148 | 15.139 | 15.164 | VV | 651 | 8528 | 0.12% | 0.018% |
| 245 | 15.212 | 15.164 | 15.245 | VV | 5671 | 94501 | 1.34% | 0.203% |
| 246 | 15.271 | 15.245 | 15.295 | VV | 1360 | 27570 | 0.39% | 0.059% |

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|---|---|---|---|---|---|---|---|---|
| 247 | 15.312 | 15.295 | 15.351 | VV | 1132 | 26846 | 0.38% | 0.058% |
| 248 | 15.373 | 15.351 | 15.401 | VV | 2777 | 44652 | 0.63% | 0.096% |
| 249 | 15.421 | 15.401 | 15.430 | VV | 1795 | 24353 | 0.35% | 0.052% |
| 250 | 15.452 | 15.430 | 15.496 | VV | 5955 | 89822 | 1.28% | 0.193% |
| 251 | 15.520 | 15.496 | 15.545 | VV | 1839 | 24576 | 0.35% | 0.053% |
| 252 | 15.571 | 15.545 | 15.587 | VV | 717 | 12714 | 0.18% | 0.027% |
| 253 | 15.613 | 15.587 | 15.653 | VV | 1691 | 35146 | 0.50% | 0.076% |
| 254 | 15.684 | 15.653 | 15.707 | VV | 2172 | 37251 | 0.53% | 0.080% |
| 255 | 15.756 | 15.707 | 15.812 | VV | 25554 | 395230 | 5.61% | 0.850% |
| 256 | 15.823 | 15.812 | 15.837 | VV | 1414 | 18397 | 0.26% | 0.040% |
| 257 | 15.854 | 15.837 | 15.872 | VV | 1763 | 23369 | 0.33% | 0.050% |
| 258 | 15.898 | 15.872 | 15.961 | VV | 4874 | 118194 | 1.68% | 0.254% |
| 259 | 15.979 | 15.961 | 16.011 | VV | 2881 | 45393 | 0.64% | 0.098% |
| 260 | 16.043 | 16.011 | 16.064 | VV | 695 | 14144 | 0.20% | 0.030% |
| 261 | 16.075 | 16.064 | 16.090 | PV | 345 | 3249 | 0.05% | 0.007% |
| 262 | 16.121 | 16.090 | 16.137 | VV | 1117 | 17483 | 0.25% | 0.038% |
| 263 | 16.152 | 16.137 | 16.186 | VV | 867 | 22165 | 0.31% | 0.048% |
| 264 | 16.214 | 16.186 | 16.260 | VV | 1758 | 49699 | 0.71% | 0.107% |
| 265 | 16.276 | 16.260 | 16.308 | VV | 1550 | 29172 | 0.41% | 0.063% |
| 266 | 16.335 | 16.308 | 16.351 | VV | 1084 | 18654 | 0.26% | 0.040% |
| 267 | 16.399 | 16.351 | 16.425 | VV | 4090 | 72470 | 1.03% | 0.156% |
| 268 | 16.439 | 16.425 | 16.448 | VV | 1425 | 16555 | 0.24% | 0.036% |
| 269 | 16.460 | 16.448 | 16.482 | VV | 1478 | 20917 | 0.30% | 0.045% |
| 270 | 16.501 | 16.482 | 16.515 | VV | 513 | 6762 | 0.10% | 0.015% |
| 271 | 16.532 | 16.515 | 16.543 | VV | 267 | 1858 | 0.03% | 0.004% |
| 272 | 16.631 | 16.543 | 16.658 | VV | 960 | 37015 | 0.53% | 0.080% |
| 273 | 16.708 | 16.658 | 16.726 | PV | 1942 | 38785 | 0.55% | 0.083% |
| 274 | 16.771 | 16.726 | 16.808 | VV | 14324 | 233627 | 3.32% | 0.502% |
| 275 | 16.884 | 16.808 | 16.915 | VV | 5122 | 128813 | 1.83% | 0.277% |
| 276 | 16.924 | 16.915 | 16.932 | VV | 673 | 5344 | 0.08% | 0.011% |
| 277 | 16.969 | 16.932 | 16.997 | VV | 1997 | 32827 | 0.47% | 0.071% |
| 278 | 17.019 | 16.997 | 17.053 | VV | 1734 | 33492 | 0.48% | 0.072% |
| 279 | 17.099 | 17.053 | 17.151 | VV | 2290 | 77165 | 1.10% | 0.166% |
| 280 | 17.171 | 17.151 | 17.185 | VV | 1327 | 21405 | 0.30% | 0.046% |
| 281 | 17.250 | 17.185 | 17.287 | VV | 1684 | 70517 | 1.00% | 0.152% |
| 282 | 17.318 | 17.287 | 17.328 | VV | 1465 | 25641 | 0.36% | 0.055% |
| 283 | 17.355 | 17.328 | 17.384 | VV | 5765 | 124845 | 1.77% | 0.268% |
| 284 | 17.399 | 17.384 | 17.418 | VV | 3051 | 47936 | 0.68% | 0.103% |
| 285 | 17.428 | 17.418 | 17.454 | VV | 2058 | 26353 | 0.37% | 0.057% |
| 286 | 17.506 | 17.454 | 17.523 | PV | 847 | 22036 | 0.31% | 0.047% |
| 287 | 17.613 | 17.523 | 17.635 | PV | 1458 | 49534 | 0.70% | 0.106% |
| 288 | 17.650 | 17.635 | 17.662 | VV | 689 | 10071 | 0.14% | 0.022% |
| 289 | 17.716 | 17.662 | 17.770 | VV | 6417 | 135679 | 1.93% | 0.292% |
| 290 | 17.802 | 17.770 | 17.836 | VV | 8092 | 131332 | 1.87% | 0.282% |
| 291 | 17.889 | 17.836 | 17.905 | PV | 1467 | 19398 | 0.28% | 0.042% |
| 292 | 17.934 | 17.905 | 17.966 | VV | 1228 | 28839 | 0.41% | 0.062% |
| 293 | 18.026 | 17.966 | 18.061 | VV | 839 | 22465 | 0.32% | 0.048% |
| 294 | 18.085 | 18.061 | 18.104 | PV | 531 | 8120 | 0.12% | 0.017% |
| 295 | 18.119 | 18.104 | 18.134 | VV | 547 | 7774 | 0.11% | 0.017% |
| 296 | 18.192 | 18.134 | 18.212 | VV | 1927 | 51092 | 0.73% | 0.110% |
| 297 | 18.241 | 18.212 | 18.281 | VV | 7374 | 118750 | 1.69% | 0.255% |
| 298 | 18.316 | 18.281 | 18.355 | VV | 3711 | 89632 | 1.27% | 0.193% |
| 299 | 18.375 | 18.355 | 18.391 | VV | 1438 | 21953 | 0.31% | 0.047% |

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|---|---|---|---|---|---|---|---|---|
| 300 | 18.408 | 18.391 | 18.421 | VV | 1150 | 16586 | 0.24% | 0.036% |
| 301 | 18.432 | 18.421 | 18.467 | VV | 1041 | 17737 | 0.25% | 0.038% |
| 302 | 18.484 | 18.467 | 18.498 | VV | 814 | 8887 | 0.13% | 0.019% |
| 303 | 18.599 | 18.498 | 18.635 | PV | 11124 | 231920 | 3.29% | 0.499% |
| 304 | 18.664 | 18.635 | 18.699 | VV | 13804 | 203383 | 2.89% | 0.437% |
| 305 | 18.772 | 18.699 | 18.801 | PV | 2343 | 71815 | 1.02% | 0.154% |
| 306 | 18.832 | 18.801 | 18.841 | VV | 507 | 11154 | 0.16% | 0.024% |
| 307 | 18.937 | 18.841 | 18.954 | VV | 1486 | 57511 | 0.82% | 0.124% |
| 308 | 18.964 | 18.954 | 18.995 | VV | 1199 | 22561 | 0.32% | 0.049% |
| 309 | 19.074 | 18.995 | 19.133 | VV | 8130 | 235466 | 3.34% | 0.506% |
| 310 | 19.175 | 19.133 | 19.189 | VV | 4741 | 87051 | 1.24% | 0.187% |
| 311 | 19.199 | 19.189 | 19.222 | VV | 3853 | 49439 | 0.70% | 0.106% |
| 312 | 19.251 | 19.222 | 19.273 | VV | 1928 | 42677 | 0.61% | 0.092% |
| 313 | 19.298 | 19.273 | 19.309 | VV | 1033 | 19407 | 0.28% | 0.042% |
| 314 | 19.372 | 19.309 | 19.398 | VV | 11889 | 212860 | 3.02% | 0.458% |
| 315 | 19.436 | 19.398 | 19.459 | VV | 14205 | 334009 | 4.74% | 0.718% |
| 316 | 19.488 | 19.459 | 19.525 | VV | 26872 | 539374 | 7.66% | 1.160% |
| 317 | 19.567 | 19.525 | 19.594 | VV | 6852 | 215951 | 3.07% | 0.464% |
| 318 | 19.623 | 19.594 | 19.647 | VV | 7902 | 190186 | 2.70% | 0.409% |
| 319 | 19.675 | 19.647 | 19.698 | VV | 5975 | 158814 | 2.26% | 0.341% |
| 320 | 19.730 | 19.698 | 19.751 | VV | 7109 | 198208 | 2.81% | 0.426% |
| 321 | 19.781 | 19.751 | 19.820 | VV | 7238 | 255268 | 3.63% | 0.549% |
| 322 | 19.859 | 19.820 | 19.882 | VV | 11169 | 307977 | 4.37% | 0.662% |
| 323 | 19.905 | 19.882 | 19.920 | VV | 10434 | 201061 | 2.86% | 0.432% |
| 324 | 19.936 | 19.920 | 19.950 | VV | 9627 | 159859 | 2.27% | 0.344% |
| 325 | 19.975 | 19.950 | 19.990 | VV | 9225 | 215905 | 3.07% | 0.464% |
| 326 | 20.054 | 19.990 | 20.075 | VV | 11006 | 502632 | 7.14% | 1.081% |
| 327 | 20.155 | 20.075 | 20.181 | VV | 13763 | 718418 | 10.20% | 1.545% |
| 328 | 20.234 | 20.181 | 20.272 | VV | 16180 | 703030 | 9.98% | 1.511% |
| 329 | 20.278 | 20.272 | 20.308 | VV | 12671 | 262603 | 3.73% | 0.565% |
| 330 | 20.352 | 20.308 | 20.362 | VV | 13113 | 415724 | 5.90% | 0.894% |
| 331 | 20.506 | 20.362 | 20.543 | VV | 53913 | 2248867 | 31.94% | 4.835% |
| 332 | 20.603 | 20.543 | 20.674 | VV | 24177 | 1699661 | 24.14% | 3.654% |
| 333 | 20.691 | 20.674 | 20.705 | VV | 21419 | 398371 | 5.66% | 0.856% |
| 334 | 20.772 | 20.705 | 20.808 | VV | 28431 | 1463015 | 20.78% | 3.145% |
| 335 | 20.821 | 20.808 | 20.834 | VV | 22634 | 345007 | 4.90% | 0.742% |
| 336 | 20.848 | 20.834 | 20.875 | VV | 22276 | 539621 | 7.66% | 1.160% |
| 337 | 20.881 | 20.875 | 20.897 | VV | 21713 | 290165 | 4.12% | 0.624% |
| 338 | 20.917 | 20.897 | 20.936 | VV | 21445 | 494127 | 7.02% | 1.062% |
| 339 | 20.970 | 20.936 | 21.028 | VV | 21918 | 1137084 | 16.15% | 2.445% |
| 340 | 21.074 | 21.028 | 21.098 | VV | 20419 | 817012 | 11.60% | 1.757% |
| 341 | 21.120 | 21.098 | 21.156 | VV | 20010 | 655762 | 9.31% | 1.410% |
| 342 | 21.177 | 21.156 | 21.195 | VV | 17499 | 392952 | 5.58% | 0.845% |
| 343 | 21.244 | 21.195 | 21.281 | VV | 17360 | 869457 | 12.35% | 1.869% |
| 344 | 21.300 | 21.281 | 21.318 | VV | 16134 | 347325 | 4.93% | 0.747% |
| 345 | 21.386 | 21.318 | 21.495 | VV | 19294 | 1796602 | 25.51% | 3.863% |
| 346 | 21.524 | 21.495 | 21.563 | VV | 15467 | 588854 | 8.36% | 1.266% |
| 347 | 21.577 | 21.563 | 21.590 | VV | 12478 | 198176 | 2.81% | 0.426% |
| 348 | 21.602 | 21.590 | 21.608 | VV | 12419 | 133114 | 1.89% | 0.286% |
| 349 | 21.621 | 21.608 | 21.635 | VV | 12508 | 195935 | 2.78% | 0.421% |
| 350 | 21.655 | 21.635 | 21.677 | VV | 12351 | 310101 | 4.40% | 0.667% |
| 351 | 21.712 | 21.677 | 21.801 | VV | 13111 | 825274 | 11.72% | 1.774% |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | rteres | | | |
| 352 | 21.834 | 21.801 | 21.899 | VV | 9213 | 463605 | 6.58% | 0.997% |
| 353 | 21.915 | 21.899 | 21.957 | VV | 6499 | 200892 | 2.85% | 0.432% |
| 354 | 21.972 | 21.957 | 21.986 | VV | 5179 | 85602 | 1.22% | 0.184% |
| 355 | 21.996 | 21.986 | 22.039 | VV | 4701 | 138675 | 1.97% | 0.298% |
| 356 | 22.088 | 22.039 | 22.135 | VV | 3962 | 197832 | 2.81% | 0.425% |
| 357 | 22.146 | 22.135 | 22.191 | VV | 1579 | 31237 | 0.44% | 0.067% |
| 358 | 22.284 | 22.191 | 22.296 | PV | 462 | 5586 | 0.08% | 0.012% |
| | | | Sum of corrected areas: | | | 46512655 | | |

Aliphatic EPH 062725.M Tue Jul 08 05:06:47 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054716.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 21:36
Operator : YP\AJ
Sample : Q2503-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
FID_E
**ClientSampleId :**
GCAP3

Integration File: autoint1.e
Quant Time: Jul 08 03:33:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 9) S ortho-Terphenyl (SURR) | 12.082 | 5655103 | 34.823 ug/ml |
| Spiked Amount 50.000 | | Recovery = | 69.65% |
| 12) S 1-chlorooctadecane (S... | 13.518 | 4508826 | 35.701 ug/ml |
| Spiked Amount 50.000 | | Recovery = | 71.40% |
| Target Compounds | | | |

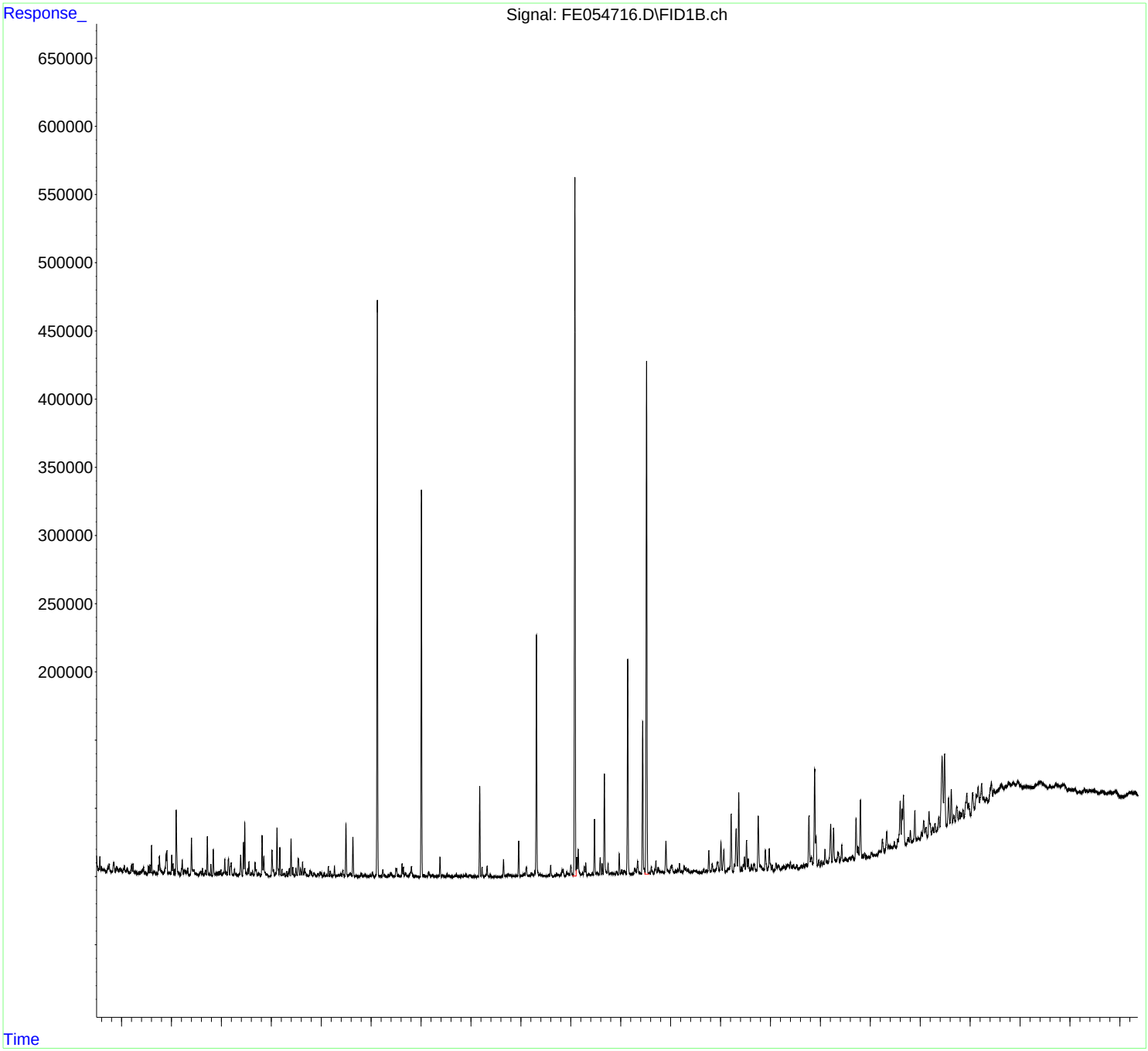
(f)=RT Delta > 1/2 Window (m)=manual int.

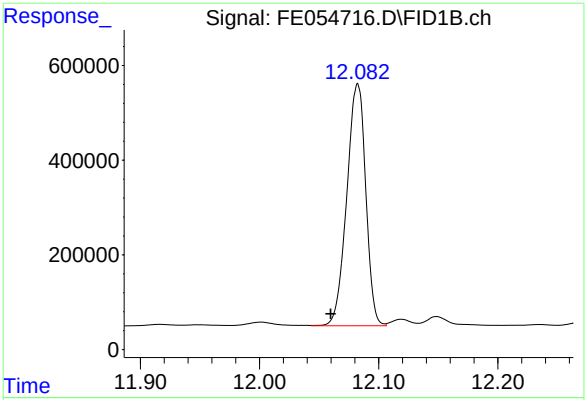
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054716.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 21:36
Operator : YP\AJ
Sample : Q2503-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
FID_E
**ClientSampleId :**
GCAP3

Integration File: autoint1.e
Quant Time: Jul 08 03:33:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Quant Title : GC Extractables
QLast Update : Fri Jun 27 15:19:13 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

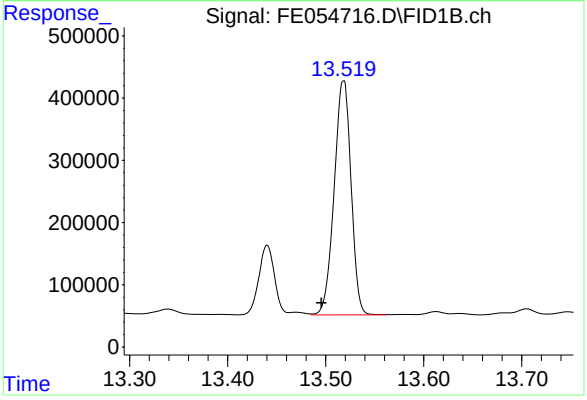





#9 ortho-Terphenyl (SURR)

R.T.: 12.082 min
Delta R.T.: 0.022 min
Response: 5655103
Conc: 34.82 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
GCAP3




#12 1-chlorooctadecane (SURR)

R.T.: 13.518 min
Delta R.T.: 0.023 min
Response: 4508826
Conc: 35.70 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070725AL\
Data File : FE054716.D
Signal(s) : FID1B.ch
Acq On : 07 Jul 2025 21:36
Sample : Q2503-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
Title : GC Extractables

Signal : FID1B.ch

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|
| 1 | 2.845 | 2.804 | 2.873 | BV | 6712 | 115413 | 2.04% | 0.145% |
| 2 | 2.900 | 2.873 | 2.944 | VV | 4110 | 84377 | 1.49% | 0.106% |
| 3 | 2.969 | 2.944 | 2.987 | VV | 2908 | 54630 | 0.97% | 0.069% |
| 4 | 2.999 | 2.987 | 3.018 | VV | 2258 | 23173 | 0.41% | 0.029% |
| 5 | 3.056 | 3.018 | 3.081 | VV | 5172 | 85571 | 1.51% | 0.108% |
| 6 | 3.113 | 3.081 | 3.169 | VV | 3822 | 67054 | 1.19% | 0.084% |
| 7 | 3.202 | 3.169 | 3.217 | PV | 5724 | 83097 | 1.47% | 0.105% |
| 8 | 3.231 | 3.217 | 3.254 | VV | 7033 | 74078 | 1.31% | 0.093% |
| 9 | 3.285 | 3.254 | 3.327 | VV | 1323 | 31374 | 0.55% | 0.040% |
| 10 | 3.351 | 3.327 | 3.367 | VV | 1140 | 13404 | 0.24% | 0.017% |
| 11 | 3.388 | 3.367 | 3.400 | VV | 1701 | 23395 | 0.41% | 0.029% |
| 12 | 3.419 | 3.400 | 3.428 | VV | 3324 | 40458 | 0.72% | 0.051% |
| 13 | 3.441 | 3.428 | 3.460 | VV | 5279 | 60461 | 1.07% | 0.076% |
| 14 | 3.474 | 3.460 | 3.510 | VV | 1610 | 27734 | 0.49% | 0.035% |
| 15 | 3.538 | 3.510 | 3.552 | PV | 6024 | 65203 | 1.15% | 0.082% |
| 16 | 3.568 | 3.552 | 3.583 | VV | 7183 | 76423 | 1.35% | 0.096% |
| 17 | 3.601 | 3.583 | 3.623 | VV | 21534 | 205838 | 3.64% | 0.259% |
| 18 | 3.647 | 3.623 | 3.659 | VV | 2095 | 35552 | 0.63% | 0.045% |
| 19 | 3.668 | 3.659 | 3.688 | VV | 1801 | 21497 | 0.38% | 0.027% |
| 20 | 3.707 | 3.688 | 3.720 | VV | 1521 | 18251 | 0.32% | 0.023% |
| 21 | 3.739 | 3.720 | 3.748 | VV | 7303 | 69798 | 1.23% | 0.088% |
| 22 | 3.759 | 3.748 | 3.834 | VV | 12700 | 225884 | 3.99% | 0.285% |
| 23 | 3.908 | 3.834 | 3.940 | VV | 18058 | 407287 | 7.20% | 0.513% |
| 24 | 3.955 | 3.940 | 3.986 | VV | 2440 | 44879 | 0.79% | 0.057% |
| 25 | 4.006 | 3.986 | 4.021 | VV | 14812 | 147725 | 2.61% | 0.186% |
| 26 | 4.032 | 4.021 | 4.049 | VV | 8395 | 81660 | 1.44% | 0.103% |
| 27 | 4.064 | 4.049 | 4.076 | VV | 4297 | 41853 | 0.74% | 0.053% |
| 28 | 4.095 | 4.076 | 4.173 | VV | 47680 | 599578 | 10.60% | 0.755% |
| 29 | 4.216 | 4.173 | 4.234 | PV | 11420 | 153972 | 2.72% | 0.194% |
| 30 | 4.255 | 4.234 | 4.273 | VV | 3822 | 71500 | 1.26% | 0.090% |
| 31 | 4.285 | 4.273 | 4.307 | VV | 3568 | 54600 | 0.97% | 0.069% |
| 32 | 4.326 | 4.307 | 4.353 | VV | 5407 | 66907 | 1.18% | 0.084% |
| 33 | 4.401 | 4.353 | 4.431 | VV | 27681 | 324056 | 5.73% | 0.408% |
| 34 | 4.450 | 4.431 | 4.481 | VV | 4340 | 84742 | 1.50% | 0.107% |
| 35 | 4.491 | 4.481 | 4.546 | VV | 1965 | 38619 | 0.68% | 0.049% |
| 36 | 4.587 | 4.546 | 4.603 | VV | 3392 | 63775 | 1.13% | 0.080% |

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|---|---|---|---|---|---|---|---|---|
| 37 | 4.621 | 4.603 | 4.646 | VV | 5474 | 65712 | 1.16% | 0.083% |
| 38 | 4.679 | 4.646 | 4.696 | VV | 4163 | 62344 | 1.10% | 0.079% |
| 39 | 4.719 | 4.696 | 4.741 | VV | 28984 | 284599 | 5.03% | 0.359% |
| 40 | 4.754 | 4.741 | 4.771 | VV | 1962 | 24798 | 0.44% | 0.031% |
| 41 | 4.790 | 4.771 | 4.818 | VV | 8620 | 84945 | 1.50% | 0.107% |
| 42 | 4.838 | 4.818 | 4.878 | PV | 19477 | 220746 | 3.90% | 0.278% |
| 43 | 4.897 | 4.878 | 4.915 | VV | 2713 | 40699 | 0.72% | 0.051% |
| 44 | 4.935 | 4.915 | 4.951 | VV | 2726 | 39844 | 0.70% | 0.050% |
| 45 | 4.964 | 4.951 | 4.976 | VV | 3624 | 36222 | 0.64% | 0.046% |
| 46 | 4.991 | 4.976 | 5.010 | VV | 4591 | 49514 | 0.88% | 0.062% |
| 47 | 5.068 | 5.010 | 5.086 | VV | 12426 | 171126 | 3.03% | 0.216% |
| 48 | 5.097 | 5.086 | 5.112 | VV | 3177 | 33596 | 0.59% | 0.042% |
| 49 | 5.142 | 5.112 | 5.165 | VV | 12765 | 192926 | 3.41% | 0.243% |
| 50 | 5.196 | 5.165 | 5.238 | VV | 9890 | 177764 | 3.14% | 0.224% |
| 51 | 5.262 | 5.238 | 5.282 | VV | 5187 | 62031 | 1.10% | 0.078% |
| 52 | 5.294 | 5.282 | 5.316 | VV | 1705 | 24996 | 0.44% | 0.031% |
| 53 | 5.333 | 5.316 | 5.343 | VV | 1127 | 13402 | 0.24% | 0.017% |
| 54 | 5.387 | 5.343 | 5.418 | VV | 15454 | 209562 | 3.70% | 0.264% |
| 55 | 5.441 | 5.418 | 5.454 | VV | 24823 | 239483 | 4.23% | 0.302% |
| 56 | 5.469 | 5.454 | 5.511 | VV | 39289 | 409469 | 7.24% | 0.516% |
| 57 | 5.527 | 5.511 | 5.538 | VV | 5500 | 53592 | 0.95% | 0.068% |
| 58 | 5.552 | 5.538 | 5.578 | VV | 10764 | 118810 | 2.10% | 0.150% |
| 59 | 5.596 | 5.578 | 5.608 | VV | 2285 | 30140 | 0.53% | 0.038% |
| 60 | 5.622 | 5.608 | 5.644 | VV | 3526 | 42208 | 0.75% | 0.053% |
| 61 | 5.675 | 5.644 | 5.716 | VV | 10310 | 177986 | 3.15% | 0.224% |
| 62 | 5.740 | 5.716 | 5.780 | VV | 2537 | 55413 | 0.98% | 0.070% |
| 63 | 5.817 | 5.780 | 5.834 | VV | 29749 | 316446 | 5.59% | 0.399% |
| 64 | 5.851 | 5.834 | 5.899 | VV | 14519 | 212048 | 3.75% | 0.267% |
| 65 | 5.911 | 5.899 | 5.938 | VV | 1939 | 25437 | 0.45% | 0.032% |
| 66 | 5.949 | 5.938 | 5.968 | VV | 414 | 5541 | 0.10% | 0.007% |
| 67 | 6.014 | 5.968 | 6.065 | PV | 19341 | 297088 | 5.25% | 0.374% |
| 68 | 6.084 | 6.065 | 6.093 | VV | 2690 | 30971 | 0.55% | 0.039% |
| 69 | 6.115 | 6.093 | 6.153 | VV | 35386 | 416838 | 7.37% | 0.525% |
| 70 | 6.172 | 6.153 | 6.196 | VV | 21349 | 209784 | 3.71% | 0.264% |
| 71 | 6.213 | 6.196 | 6.229 | VV | 5249 | 52549 | 0.93% | 0.066% |
| 72 | 6.253 | 6.229 | 6.283 | VV | 2239 | 49482 | 0.87% | 0.062% |
| 73 | 6.305 | 6.283 | 6.325 | VV | 3717 | 43683 | 0.77% | 0.055% |
| 74 | 6.360 | 6.325 | 6.376 | VV | 5941 | 86715 | 1.53% | 0.109% |
| 75 | 6.396 | 6.376 | 6.416 | VV | 27603 | 269206 | 4.76% | 0.339% |
| 76 | 6.431 | 6.416 | 6.464 | VV | 6644 | 83356 | 1.47% | 0.105% |
| 77 | 6.492 | 6.464 | 6.518 | VV | 5988 | 76874 | 1.36% | 0.097% |
| 78 | 6.540 | 6.518 | 6.568 | VV | 12838 | 217545 | 3.85% | 0.274% |
| 79 | 6.584 | 6.568 | 6.611 | VV | 5950 | 85201 | 1.51% | 0.107% |
| 80 | 6.626 | 6.611 | 6.644 | VV | 10881 | 110307 | 1.95% | 0.139% |
| 81 | 6.667 | 6.644 | 6.702 | VV | 6024 | 109906 | 1.94% | 0.138% |
| 82 | 6.712 | 6.702 | 6.744 | VV | 1519 | 19754 | 0.35% | 0.025% |
| 83 | 6.775 | 6.744 | 6.796 | VV | 4407 | 74971 | 1.33% | 0.094% |
| 84 | 6.804 | 6.796 | 6.827 | VV | 2562 | 35146 | 0.62% | 0.044% |
| 85 | 6.853 | 6.827 | 6.898 | VV | 3066 | 57414 | 1.02% | 0.072% |
| 86 | 6.932 | 6.898 | 6.955 | VV | 2344 | 38153 | 0.67% | 0.048% |
| 87 | 6.974 | 6.955 | 6.994 | VV | 3305 | 54293 | 0.96% | 0.068% |
| 88 | 7.006 | 6.994 | 7.025 | VV | 2760 | 28636 | 0.51% | 0.036% |
| 89 | 7.058 | 7.025 | 7.087 | VV | 2936 | 39870 | 0.70% | 0.050% |

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|---|---|---|---|---|---|---|---|---|
| 90 | 7.110 | 7.087 | 7.123 | VV | 1558 | 18154 | 0.32% | 0.023% |
| 91 | 7.143 | 7.123 | 7.162 | VV | 7480 | 74390 | 1.32% | 0.094% |
| 92 | 7.181 | 7.162 | 7.203 | VV | 4076 | 42653 | 0.75% | 0.054% |
| 93 | 7.219 | 7.203 | 7.234 | VV | 872 | 12544 | 0.22% | 0.016% |
| 94 | 7.266 | 7.234 | 7.290 | VV | 7131 | 85589 | 1.51% | 0.108% |
| 95 | 7.304 | 7.290 | 7.324 | VV | 1379 | 16101 | 0.28% | 0.020% |
| 96 | 7.341 | 7.324 | 7.362 | VV | 1640 | 24799 | 0.44% | 0.031% |
| 97 | 7.392 | 7.362 | 7.414 | VV | 2205 | 40178 | 0.71% | 0.051% |
| 98 | 7.433 | 7.414 | 7.466 | VV | 4638 | 62504 | 1.10% | 0.079% |
| 99 | 7.496 | 7.466 | 7.531 | VV | 38344 | 408684 | 7.23% | 0.515% |
| 100 | 7.580 | 7.531 | 7.613 | VV | 2763 | 76668 | 1.36% | 0.097% |
| 101 | 7.635 | 7.613 | 7.669 | VV | 29124 | 304446 | 5.38% | 0.384% |
| 102 | 7.703 | 7.669 | 7.727 | VV | 1193 | 21380 | 0.38% | 0.027% |
| 103 | 7.740 | 7.727 | 7.750 | VV | 347 | 2365 | 0.04% | 0.003% |
| 104 | 7.766 | 7.750 | 7.774 | VV | 586 | 5639 | 0.10% | 0.007% |
| 105 | 7.805 | 7.774 | 7.836 | VV | 2685 | 45020 | 0.80% | 0.057% |
| 106 | 7.855 | 7.836 | 7.873 | VV | 1176 | 19531 | 0.35% | 0.025% |
| 107 | 7.889 | 7.873 | 7.912 | VV | 1617 | 23351 | 0.41% | 0.029% |
| 108 | 7.927 | 7.912 | 7.961 | VV | 437 | 7055 | 0.12% | 0.009% |
| 109 | 7.987 | 7.961 | 8.004 | VV | 1178 | 18529 | 0.33% | 0.023% |
| 110 | 8.024 | 8.004 | 8.074 | VV | 3705 | 51506 | 0.91% | 0.065% |
| 111 | 8.177 | 8.164 | 8.204 | VV | 1035 | 15071 | 0.27% | 0.019% |
| 112 | 8.235 | 8.204 | 8.256 | VV | 5296 | 75387 | 1.33% | 0.095% |
| 113 | 8.267 | 8.256 | 8.294 | VV | 1421 | 17582 | 0.31% | 0.022% |
| 114 | 8.307 | 8.294 | 8.321 | VV | 344 | 4681 | 0.08% | 0.006% |
| 115 | 8.342 | 8.321 | 8.360 | VV | 1282 | 16973 | 0.30% | 0.021% |
| 116 | 8.399 | 8.360 | 8.431 | VV | 3094 | 64099 | 1.13% | 0.081% |
| 117 | 8.446 | 8.431 | 8.471 | VV | 773 | 12053 | 0.21% | 0.015% |
| 118 | 8.498 | 8.471 | 8.531 | VV | 5914 | 114118 | 2.02% | 0.144% |
| 119 | 8.545 | 8.531 | 8.564 | VV | 1634 | 19356 | 0.34% | 0.024% |
| 120 | 8.581 | 8.564 | 8.592 | VV | 758 | 9891 | 0.17% | 0.012% |
| 121 | 8.619 | 8.592 | 8.634 | VV | 9595 | 106881 | 1.89% | 0.135% |
| 122 | 8.646 | 8.634 | 8.665 | VV | 7106 | 71708 | 1.27% | 0.090% |
| 123 | 8.687 | 8.665 | 8.724 | VV | 2869 | 54410 | 0.96% | 0.069% |
| 124 | 8.744 | 8.724 | 8.755 | VV | 766 | 10870 | 0.19% | 0.014% |
| 125 | 8.806 | 8.755 | 8.851 | VV | 7654 | 160405 | 2.84% | 0.202% |
| 126 | 8.856 | 8.851 | 8.877 | VV | 749 | 7661 | 0.14% | 0.010% |
| 127 | 8.897 | 8.877 | 8.912 | VV | 1211 | 13705 | 0.24% | 0.017% |
| 128 | 8.920 | 8.912 | 8.934 | VV | 562 | 5811 | 0.10% | 0.007% |
| 129 | 8.944 | 8.934 | 8.964 | VV | 424 | 3755 | 0.07% | 0.005% |
| 130 | 9.054 | 9.037 | 9.094 | VV | 1954 | 31833 | 0.56% | 0.040% |
| 131 | 9.102 | 9.094 | 9.123 | VV | 653 | 8599 | 0.15% | 0.011% |
| 132 | 9.151 | 9.123 | 9.197 | VV | 3634 | 69231 | 1.22% | 0.087% |
| 133 | 9.221 | 9.197 | 9.264 | VV | 1576 | 39533 | 0.70% | 0.050% |
| 134 | 9.279 | 9.264 | 9.298 | VV | 702 | 10858 | 0.19% | 0.014% |
| 135 | 9.319 | 9.298 | 9.331 | VV | 743 | 9207 | 0.16% | 0.012% |
| 136 | 9.347 | 9.331 | 9.357 | VV | 1108 | 11602 | 0.21% | 0.015% |
| 137 | 9.380 | 9.357 | 9.404 | VV | 14497 | 149972 | 2.65% | 0.189% |
| 138 | 9.424 | 9.404 | 9.461 | VV | 1526 | 32372 | 0.57% | 0.041% |
| 139 | 9.472 | 9.461 | 9.494 | VV | 711 | 9819 | 0.17% | 0.012% |
| 140 | 9.520 | 9.494 | 9.541 | VV | 2475 | 30055 | 0.53% | 0.038% |
| 141 | 9.559 | 9.541 | 9.596 | VV | 1401 | 21636 | 0.38% | 0.027% |

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|---|---|---|---|---|---|---|---|---|
| 142 | 9.615 | 9.596 | 9.637 | VV | 314 | 4923 | 0.09% | 0.006% |
| 143 | 9.676 | 9.637 | 9.694 | VV | 1086 | 17444 | 0.31% | 0.022% |
| 144 | 9.710 | 9.694 | 9.738 | VV | 2194 | 27462 | 0.49% | 0.035% |
| 145 | 9.760 | 9.738 | 9.776 | VV | 628 | 9927 | 0.18% | 0.013% |
| 146 | 9.812 | 9.776 | 9.834 | VV | 1301 | 20890 | 0.37% | 0.026% |
| 147 | 9.853 | 9.834 | 9.879 | VV | 1573 | 22193 | 0.39% | 0.028% |
| 148 | 9.899 | 9.879 | 9.932 | VV | 2381 | 33501 | 0.59% | 0.042% |
| 149 | 9.976 | 9.932 | 9.988 | VV | 1614 | 29922 | 0.53% | 0.038% |
| 150 | 9.996 | 9.988 | 10.028 | VV | 1381 | 17379 | 0.31% | 0.022% |
| 151 | 10.049 | 10.028 | 10.060 | VV | 605 | 7772 | 0.14% | 0.010% |
| 152 | 10.077 | 10.060 | 10.118 | VV | 1147 | 17236 | 0.30% | 0.022% |
| 153 | 10.176 | 10.118 | 10.202 | VV | 67009 | 685467 | 12.12% | 0.864% |
| 154 | 10.222 | 10.202 | 10.258 | VV | 7175 | 88392 | 1.56% | 0.111% |
| 155 | 10.268 | 10.258 | 10.276 | VV | 652 | 6356 | 0.11% | 0.008% |
| 156 | 10.323 | 10.276 | 10.361 | VV | 8144 | 126742 | 2.24% | 0.160% |
| 157 | 10.386 | 10.361 | 10.453 | VV | 1605 | 28333 | 0.50% | 0.036% |
| 158 | 10.479 | 10.453 | 10.510 | PV | 397 | 7448 | 0.13% | 0.009% |
| 159 | 10.528 | 10.510 | 10.548 | VV | 312 | 4584 | 0.08% | 0.006% |
| 160 | 10.562 | 10.548 | 10.579 | VV | 294 | 4134 | 0.07% | 0.005% |
| 161 | 10.587 | 10.579 | 10.601 | VV | 195 | 2233 | 0.04% | 0.003% |
| 162 | 10.653 | 10.601 | 10.677 | VV | 12650 | 144201 | 2.55% | 0.182% |
| 163 | 10.692 | 10.677 | 10.710 | VV | 1142 | 17624 | 0.31% | 0.022% |
| 164 | 10.743 | 10.710 | 10.771 | VV | 2056 | 50337 | 0.89% | 0.063% |
| 165 | 10.787 | 10.771 | 10.814 | VV | 1565 | 25739 | 0.46% | 0.032% |
| 166 | 10.826 | 10.814 | 10.842 | VV | 613 | 8888 | 0.16% | 0.011% |
| 167 | 10.859 | 10.842 | 10.873 | VV | 824 | 10799 | 0.19% | 0.014% |
| 168 | 10.905 | 10.873 | 10.923 | VV | 1500 | 24423 | 0.43% | 0.031% |
| 169 | 10.956 | 10.923 | 10.984 | VV | 26082 | 285268 | 5.04% | 0.359% |
| 170 | 11.003 | 10.984 | 11.025 | VV | 1217 | 18856 | 0.33% | 0.024% |
| 171 | 11.047 | 11.025 | 11.061 | VV | 2120 | 27059 | 0.48% | 0.034% |
| 172 | 11.075 | 11.061 | 11.087 | VV | 3020 | 32993 | 0.58% | 0.042% |
| 173 | 11.108 | 11.087 | 11.143 | VV | 6928 | 116907 | 2.07% | 0.147% |
| 174 | 11.173 | 11.143 | 11.189 | VV | 1119 | 22183 | 0.39% | 0.028% |
| 175 | 11.208 | 11.189 | 11.257 | VV | 2684 | 65432 | 1.16% | 0.082% |
| 176 | 11.312 | 11.257 | 11.371 | VV | 175213 | 1919347 | 33.93% | 2.418% |
| 177 | 11.386 | 11.371 | 11.402 | VV | 1845 | 23996 | 0.42% | 0.030% |
| 178 | 11.414 | 11.402 | 11.428 | VV | 1076 | 13560 | 0.24% | 0.017% |
| 179 | 11.443 | 11.428 | 11.453 | VV | 886 | 11426 | 0.20% | 0.014% |
| 180 | 11.470 | 11.453 | 11.491 | VV | 920 | 15821 | 0.28% | 0.020% |
| 181 | 11.508 | 11.491 | 11.528 | VV | 479 | 8241 | 0.15% | 0.010% |
| 182 | 11.558 | 11.528 | 11.578 | VV | 1607 | 22808 | 0.40% | 0.029% |
| 183 | 11.597 | 11.578 | 11.650 | VV | 8142 | 98583 | 1.74% | 0.124% |
| 184 | 11.683 | 11.650 | 11.700 | PV | 1137 | 17687 | 0.31% | 0.022% |
| 185 | 11.721 | 11.700 | 11.738 | VV | 1667 | 25844 | 0.46% | 0.033% |
| 186 | 11.754 | 11.738 | 11.772 | VV | 1626 | 22191 | 0.39% | 0.028% |
| 187 | 11.824 | 11.772 | 11.836 | VV | 4775 | 77889 | 1.38% | 0.098% |
| 188 | 11.848 | 11.836 | 11.888 | VV | 4803 | 62025 | 1.10% | 0.078% |
| 189 | 11.917 | 11.888 | 11.935 | PV | 3147 | 44778 | 0.79% | 0.056% |
| 190 | 11.949 | 11.935 | 11.975 | VV | 2221 | 36322 | 0.64% | 0.046% |
| 191 | 12.001 | 11.975 | 12.043 | VV | 7803 | 127645 | 2.26% | 0.161% |
| 192 | 12.082 | 12.043 | 12.106 | VV | 510085 | 5656467 | 100.00% | 7.126% |
| 193 | 12.119 | 12.106 | 12.133 | VV | 13780 | 151495 | 2.68% | 0.191% |
| 194 | 12.149 | 12.133 | 12.204 | VV | 19451 | 267156 | 4.72% | 0.337% |

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|---|---|---|---|---|---|---|---|---|
| 195 | 12.235 | 12.204 | 12.250 | VV | 2492 | 39071 | 0.69% | 0.049% |
| 196 | 12.269 | 12.250 | 12.284 | VV | 6666 | 83362 | 1.47% | 0.105% |
| 197 | 12.300 | 12.284 | 12.327 | VV | 9329 | 105464 | 1.86% | 0.133% |
| 198 | 12.363 | 12.327 | 12.398 | VV | 1225 | 30292 | 0.54% | 0.038% |
| 199 | 12.426 | 12.398 | 12.451 | VV | 1988 | 34522 | 0.61% | 0.043% |
| 200 | 12.475 | 12.451 | 12.503 | VV | 40911 | 445363 | 7.87% | 0.561% |
| 201 | 12.523 | 12.503 | 12.564 | VV | 2344 | 55373 | 0.98% | 0.070% |
| 202 | 12.589 | 12.564 | 12.610 | VV | 13046 | 148265 | 2.62% | 0.187% |
| 203 | 12.627 | 12.610 | 12.647 | VV | 8386 | 92719 | 1.64% | 0.117% |
| 204 | 12.673 | 12.647 | 12.722 | VV | 74458 | 873293 | 15.44% | 1.100% |
| 205 | 12.746 | 12.722 | 12.775 | VV | 8377 | 113572 | 2.01% | 0.143% |
| 206 | 12.794 | 12.775 | 12.804 | VV | 1697 | 23458 | 0.41% | 0.030% |
| 207 | 12.818 | 12.804 | 12.832 | VV | 1920 | 25155 | 0.44% | 0.032% |
| 208 | 12.841 | 12.832 | 12.855 | VV | 1315 | 16558 | 0.29% | 0.021% |
| 209 | 12.864 | 12.855 | 12.889 | VV | 1171 | 17603 | 0.31% | 0.022% |
| 210 | 12.911 | 12.889 | 12.946 | VV | 2541 | 47481 | 0.84% | 0.060% |
| 211 | 12.970 | 12.946 | 12.994 | VV | 15364 | 170845 | 3.02% | 0.215% |
| 212 | 13.021 | 12.994 | 13.041 | VV | 3835 | 60790 | 1.07% | 0.077% |
| 213 | 13.065 | 13.041 | 13.111 | VV | 3303 | 79547 | 1.41% | 0.100% |
| 214 | 13.140 | 13.111 | 13.185 | VV | 158255 | 1764331 | 31.19% | 2.223% |
| 215 | 13.200 | 13.185 | 13.218 | VV | 1000 | 10239 | 0.18% | 0.013% |
| 216 | 13.238 | 13.218 | 13.248 | PV | 609 | 7983 | 0.14% | 0.010% |
| 217 | 13.277 | 13.248 | 13.310 | VV | 4617 | 91770 | 1.62% | 0.116% |
| 218 | 13.339 | 13.310 | 13.410 | VV | 9589 | 186802 | 3.30% | 0.235% |
| 219 | 13.440 | 13.410 | 13.488 | VV | 112148 | 1291674 | 22.84% | 1.627% |
| 220 | 13.518 | 13.488 | 13.566 | VV | 377649 | 4514092 | 79.80% | 5.687% |
| 221 | 13.580 | 13.566 | 13.594 | VV | 802 | 10545 | 0.19% | 0.013% |
| 222 | 13.612 | 13.594 | 13.629 | VV | 5340 | 63334 | 1.12% | 0.080% |
| 223 | 13.636 | 13.629 | 13.658 | VV | 2265 | 23227 | 0.41% | 0.029% |
| 224 | 13.705 | 13.658 | 13.727 | VV | 9685 | 156365 | 2.76% | 0.197% |
| 225 | 13.747 | 13.727 | 13.793 | VV | 4895 | 104323 | 1.84% | 0.131% |
| 226 | 13.809 | 13.793 | 13.825 | VV | 1853 | 29634 | 0.52% | 0.037% |
| 227 | 13.839 | 13.825 | 13.864 | VV | 1616 | 27057 | 0.48% | 0.034% |
| 228 | 13.906 | 13.864 | 13.978 | VV | 23949 | 385343 | 6.81% | 0.485% |
| 229 | 14.005 | 13.978 | 14.014 | VV | 5299 | 77748 | 1.37% | 0.098% |
| 230 | 14.027 | 14.014 | 14.073 | VV | 6234 | 110040 | 1.95% | 0.139% |
| 231 | 14.096 | 14.073 | 14.114 | VV | 2633 | 35367 | 0.63% | 0.045% |
| 232 | 14.140 | 14.114 | 14.156 | VV | 3288 | 51583 | 0.91% | 0.065% |
| 233 | 14.177 | 14.156 | 14.199 | VV | 7349 | 97064 | 1.72% | 0.122% |
| 234 | 14.217 | 14.199 | 14.237 | VV | 1870 | 27163 | 0.48% | 0.034% |
| 235 | 14.270 | 14.237 | 14.295 | VV | 5548 | 101597 | 1.80% | 0.128% |
| 236 | 14.308 | 14.295 | 14.328 | VV | 4236 | 56440 | 1.00% | 0.071% |
| 237 | 14.349 | 14.328 | 14.388 | VV | 3332 | 61834 | 1.09% | 0.078% |
| 238 | 14.423 | 14.388 | 14.438 | VV | 1352 | 25690 | 0.45% | 0.032% |
| 239 | 14.459 | 14.438 | 14.500 | VV | 1681 | 50682 | 0.90% | 0.064% |
| 240 | 14.513 | 14.500 | 14.542 | VV | 1596 | 24794 | 0.44% | 0.031% |
| 241 | 14.579 | 14.542 | 14.603 | VV | 703 | 15239 | 0.27% | 0.019% |
| 242 | 14.616 | 14.603 | 14.624 | PV | 347 | 2190 | 0.04% | 0.003% |
| 243 | 14.662 | 14.624 | 14.685 | VV | 2586 | 38322 | 0.68% | 0.048% |
| 244 | 14.715 | 14.685 | 14.739 | VV | 1815 | 39686 | 0.70% | 0.050% |
| 245 | 14.765 | 14.739 | 14.798 | VV | 16249 | 207856 | 3.67% | 0.262% |
| 246 | 14.834 | 14.798 | 14.858 | VV | 6302 | 100940 | 1.78% | 0.127% |

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|---|---|---|---|---|---|---|---|---|
| 247 | 14.869 | 14.858 | 14.888 | VV | 1845 | 26941 | 0.48% | 0.034% |
| 248 | 14.934 | 14.888 | 14.976 | VV | 7629 | 212327 | 3.75% | 0.267% |
| 249 | 15.008 | 14.976 | 15.033 | VV | 22107 | 314122 | 5.55% | 0.396% |
| 250 | 15.067 | 15.033 | 15.098 | VV | 16245 | 272360 | 4.82% | 0.343% |
| 251 | 15.159 | 15.098 | 15.171 | VV | 2545 | 67667 | 1.20% | 0.085% |
| 252 | 15.212 | 15.171 | 15.249 | VV | 42258 | 581248 | 10.28% | 0.732% |
| 253 | 15.278 | 15.249 | 15.286 | PV | 5606 | 67126 | 1.19% | 0.085% |
| 254 | 15.312 | 15.286 | 15.337 | VV | 31220 | 494302 | 8.74% | 0.623% |
| 255 | 15.365 | 15.337 | 15.395 | VV | 58389 | 746176 | 13.19% | 0.940% |
| 256 | 15.415 | 15.395 | 15.435 | VV | 2902 | 41386 | 0.73% | 0.052% |
| 257 | 15.478 | 15.435 | 15.497 | VV | 10731 | 187896 | 3.32% | 0.237% |
| 258 | 15.521 | 15.497 | 15.540 | VV | 22958 | 298382 | 5.28% | 0.376% |
| 259 | 15.555 | 15.540 | 15.592 | VV | 9536 | 144512 | 2.55% | 0.182% |
| 260 | 15.618 | 15.592 | 15.640 | VV | 4290 | 71484 | 1.26% | 0.090% |
| 261 | 15.675 | 15.640 | 15.721 | VV | 5366 | 128887 | 2.28% | 0.162% |
| 262 | 15.755 | 15.721 | 15.788 | VV | 40607 | 596516 | 10.55% | 0.751% |
| 263 | 15.797 | 15.788 | 15.840 | VV | 4374 | 94965 | 1.68% | 0.120% |
| 264 | 15.854 | 15.840 | 15.871 | VV | 1893 | 27093 | 0.48% | 0.034% |
| 265 | 15.898 | 15.871 | 15.935 | VV | 15381 | 252416 | 4.46% | 0.318% |
| 266 | 15.976 | 15.935 | 16.018 | VV | 16314 | 288871 | 5.11% | 0.364% |
| 267 | 16.034 | 16.018 | 16.061 | VV | 4190 | 52302 | 0.92% | 0.066% |
| 268 | 16.110 | 16.061 | 16.131 | PV | 5432 | 80491 | 1.42% | 0.101% |
| 269 | 16.157 | 16.131 | 16.191 | VV | 4104 | 94845 | 1.68% | 0.119% |
| 270 | 16.239 | 16.191 | 16.250 | VV | 1875 | 39563 | 0.70% | 0.050% |
| 271 | 16.273 | 16.250 | 16.301 | VV | 3068 | 61925 | 1.09% | 0.078% |
| 272 | 16.322 | 16.301 | 16.334 | VV | 2864 | 39518 | 0.70% | 0.050% |
| 273 | 16.351 | 16.334 | 16.381 | VV | 4027 | 87415 | 1.55% | 0.110% |
| 274 | 16.399 | 16.381 | 16.419 | VV | 5561 | 77406 | 1.37% | 0.098% |
| 275 | 16.436 | 16.419 | 16.447 | VV | 2598 | 32903 | 0.58% | 0.041% |
| 276 | 16.462 | 16.447 | 16.490 | VV | 3414 | 48047 | 0.85% | 0.061% |
| 277 | 16.527 | 16.490 | 16.559 | VV | 3327 | 57261 | 1.01% | 0.072% |
| 278 | 16.612 | 16.559 | 16.628 | PV | 2363 | 38867 | 0.69% | 0.049% |
| 279 | 16.637 | 16.628 | 16.647 | VV | 1340 | 13460 | 0.24% | 0.017% |
| 280 | 16.666 | 16.647 | 16.685 | VV | 2832 | 40210 | 0.71% | 0.051% |
| 281 | 16.713 | 16.685 | 16.734 | VV | 3053 | 59102 | 1.04% | 0.074% |
| 282 | 16.771 | 16.734 | 16.800 | VV | 37961 | 573257 | 10.13% | 0.722% |
| 283 | 16.817 | 16.800 | 16.845 | VV | 7297 | 139768 | 2.47% | 0.176% |
| 284 | 16.886 | 16.845 | 16.906 | VV | 71730 | 1029692 | 18.20% | 1.297% |
| 285 | 16.913 | 16.906 | 16.941 | VV | 22062 | 235926 | 4.17% | 0.297% |
| 286 | 16.968 | 16.941 | 16.994 | VV | 4476 | 65363 | 1.16% | 0.082% |
| 287 | 17.016 | 16.994 | 17.035 | PV | 3651 | 43252 | 0.76% | 0.054% |
| 288 | 17.053 | 17.035 | 17.068 | VV | 2385 | 30114 | 0.53% | 0.038% |
| 289 | 17.092 | 17.068 | 17.119 | VV | 11627 | 155244 | 2.74% | 0.196% |
| 290 | 17.135 | 17.119 | 17.154 | VV | 2744 | 41267 | 0.73% | 0.052% |
| 291 | 17.207 | 17.154 | 17.233 | VV | 29370 | 496966 | 8.79% | 0.626% |
| 292 | 17.265 | 17.233 | 17.318 | VV | 25978 | 412106 | 7.29% | 0.519% |
| 293 | 17.353 | 17.318 | 17.386 | VV | 7680 | 173265 | 3.06% | 0.218% |
| 294 | 17.428 | 17.386 | 17.458 | VV | 12696 | 198905 | 3.52% | 0.251% |
| 295 | 17.505 | 17.458 | 17.545 | VV | 2631 | 68238 | 1.21% | 0.086% |
| 296 | 17.584 | 17.545 | 17.608 | VV | 2640 | 53618 | 0.95% | 0.068% |
| 297 | 17.645 | 17.608 | 17.684 | VV | 2909 | 80905 | 1.43% | 0.102% |
| 298 | 17.715 | 17.684 | 17.739 | VV | 29847 | 435614 | 7.70% | 0.549% |
| 299 | 17.754 | 17.739 | 17.775 | VV | 9214 | 148507 | 2.63% | 0.187% |

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|---|---|---|---|---|---|---|---|---|
| 300 | 17.803 | 17.775 | 17.832 | VV | 43707 | 600721 | 10.62% | 0.757% |
| 301 | 17.849 | 17.832 | 17.867 | VV | 2793 | 36729 | 0.65% | 0.046% |
| 302 | 17.887 | 17.867 | 17.911 | VV | 3739 | 51832 | 0.92% | 0.065% |
| 303 | 17.932 | 17.911 | 17.950 | VV | 1075 | 15074 | 0.27% | 0.019% |
| 304 | 17.970 | 17.950 | 17.994 | VV | 672 | 10052 | 0.18% | 0.013% |
| 305 | 18.017 | 17.994 | 18.051 | PV | 3023 | 65776 | 1.16% | 0.083% |
| 306 | 18.085 | 18.051 | 18.105 | VV | 1094 | 27922 | 0.49% | 0.035% |
| 307 | 18.127 | 18.105 | 18.143 | VV | 426 | 6136 | 0.11% | 0.008% |
| 308 | 18.194 | 18.143 | 18.214 | PV | 2564 | 81302 | 1.44% | 0.102% |
| 309 | 18.241 | 18.214 | 18.279 | VV | 10729 | 200093 | 3.54% | 0.252% |
| 310 | 18.330 | 18.279 | 18.353 | VV | 15280 | 296947 | 5.25% | 0.374% |
| 311 | 18.367 | 18.353 | 18.386 | VV | 5007 | 78145 | 1.38% | 0.098% |
| 312 | 18.401 | 18.386 | 18.417 | VV | 4419 | 63140 | 1.12% | 0.080% |
| 313 | 18.429 | 18.417 | 18.444 | VV | 2901 | 42993 | 0.76% | 0.054% |
| 314 | 18.483 | 18.444 | 18.514 | VV | 6340 | 140701 | 2.49% | 0.177% |
| 315 | 18.548 | 18.514 | 18.560 | VV | 7587 | 122504 | 2.17% | 0.154% |
| 316 | 18.599 | 18.560 | 18.619 | VV | 34731 | 620418 | 10.97% | 0.782% |
| 317 | 18.637 | 18.619 | 18.648 | VV | 28541 | 374324 | 6.62% | 0.472% |
| 318 | 18.664 | 18.648 | 18.709 | VV | 38243 | 627624 | 11.10% | 0.791% |
| 319 | 18.761 | 18.709 | 18.780 | VV | 6398 | 159574 | 2.82% | 0.201% |
| 320 | 18.803 | 18.780 | 18.829 | VV | 10960 | 178942 | 3.16% | 0.225% |
| 321 | 18.893 | 18.829 | 18.940 | VV | 24493 | 457623 | 8.09% | 0.577% |
| 322 | 18.976 | 18.940 | 18.995 | VV | 3570 | 111406 | 1.97% | 0.140% |
| 323 | 19.023 | 18.995 | 19.040 | VV | 7157 | 132399 | 2.34% | 0.167% |
| 324 | 19.070 | 19.040 | 19.094 | VV | 15299 | 319368 | 5.65% | 0.402% |
| 325 | 19.112 | 19.094 | 19.141 | VV | 10035 | 191260 | 3.38% | 0.241% |
| 326 | 19.177 | 19.141 | 19.226 | VV | 20640 | 503815 | 8.91% | 0.635% |
| 327 | 19.250 | 19.226 | 19.271 | VV | 8106 | 164137 | 2.90% | 0.207% |
| 328 | 19.295 | 19.271 | 19.324 | VV | 10619 | 226602 | 4.01% | 0.285% |
| 329 | 19.374 | 19.324 | 19.393 | VV | 14761 | 357569 | 6.32% | 0.450% |
| 330 | 19.439 | 19.393 | 19.465 | VV | 57947 | 1434065 | 25.35% | 1.807% |
| 331 | 19.488 | 19.465 | 19.524 | VV | 59660 | 1119568 | 19.79% | 1.410% |
| 332 | 19.567 | 19.524 | 19.596 | VV | 26262 | 614290 | 10.86% | 0.774% |
| 333 | 19.623 | 19.596 | 19.649 | VV | 32172 | 557340 | 9.85% | 0.702% |
| 334 | 19.672 | 19.649 | 19.700 | VV | 12475 | 313874 | 5.55% | 0.395% |
| 335 | 19.731 | 19.700 | 19.762 | VV | 18288 | 491251 | 8.68% | 0.619% |
| 336 | 19.782 | 19.762 | 19.800 | VV | 13725 | 251333 | 4.44% | 0.317% |
| 337 | 19.817 | 19.800 | 19.833 | VV | 12708 | 219572 | 3.88% | 0.277% |
| 338 | 19.856 | 19.833 | 19.879 | VV | 14611 | 325336 | 5.75% | 0.410% |
| 339 | 19.934 | 19.879 | 19.954 | VV | 26045 | 800110 | 14.15% | 1.008% |
| 340 | 19.967 | 19.954 | 20.010 | VV | 17808 | 466567 | 8.25% | 0.588% |
| 341 | 20.050 | 20.010 | 20.086 | VV | 25172 | 752172 | 13.30% | 0.948% |
| 342 | 20.160 | 20.086 | 20.190 | VV | 27836 | 1282203 | 22.67% | 1.615% |
| 343 | 20.230 | 20.190 | 20.254 | VV | 29711 | 872963 | 15.43% | 1.100% |
| 344 | 20.268 | 20.254 | 20.294 | VV | 19378 | 430722 | 7.61% | 0.543% |
| 345 | 20.330 | 20.294 | 20.358 | VV | 17991 | 630004 | 11.14% | 0.794% |
| 346 | 20.427 | 20.358 | 20.451 | VV | 28265 | 1186132 | 20.97% | 1.494% |
| 347 | 20.471 | 20.451 | 20.504 | VV | 22191 | 668663 | 11.82% | 0.842% |
| 348 | 20.620 | 20.504 | 20.673 | VV | 24950 | 2230042 | 39.42% | 2.809% |
| 349 | 20.716 | 20.673 | 20.731 | VV | 22248 | 757474 | 13.39% | 0.954% |
| 350 | 20.773 | 20.731 | 20.827 | VV | 24489 | 1323980 | 23.41% | 1.668% |
| 351 | 20.865 | 20.827 | 20.912 | VV | 23556 | 1146583 | 20.27% | 1.444% |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | rteres | | | |
| 352 | 20.955 | 20.912 | 20.998 | VV | 23389 | 1114078 | 19.70% | 1.404% |
| 353 | 21.011 | 20.998 | 21.061 | VV | 20465 | 717007 | 12.68% | 0.903% |
| 354 | 21.134 | 21.061 | 21.177 | VV | 17825 | 1219192 | 21.55% | 1.536% |
| 355 | 21.193 | 21.177 | 21.221 | VV | 16787 | 427058 | 7.55% | 0.538% |
| 356 | 21.239 | 21.221 | 21.274 | VV | 16194 | 509517 | 9.01% | 0.642% |
| 357 | 21.389 | 21.274 | 21.397 | VV | 18113 | 1235987 | 21.85% | 1.557% |
| 358 | 21.417 | 21.397 | 21.454 | VV | 18283 | 589625 | 10.42% | 0.743% |
| 359 | 21.467 | 21.454 | 21.553 | VV | 16020 | 827377 | 14.63% | 1.042% |
| 360 | 21.601 | 21.553 | 21.633 | VV | 12776 | 589886 | 10.43% | 0.743% |
| 361 | 21.653 | 21.633 | 21.674 | VV | 11643 | 278363 | 4.92% | 0.351% |
| 362 | 21.717 | 21.674 | 21.748 | VV | 13003 | 533050 | 9.42% | 0.672% |
| 363 | 21.755 | 21.748 | 21.769 | VV | 11493 | 147119 | 2.60% | 0.185% |
| 364 | 21.777 | 21.769 | 21.811 | VV | 11137 | 267330 | 4.73% | 0.337% |
| 365 | 21.849 | 21.811 | 21.861 | VV | 10982 | 313780 | 5.55% | 0.395% |
| 366 | 21.881 | 21.861 | 21.945 | VV | 10988 | 450870 | 7.97% | 0.568% |
| 367 | 21.962 | 21.945 | 21.971 | VV | 6127 | 96129 | 1.70% | 0.121% |
| 368 | 21.981 | 21.971 | 21.997 | VV | 5937 | 90668 | 1.60% | 0.114% |
| 369 | 22.012 | 21.997 | 22.028 | VV | 5503 | 98450 | 1.74% | 0.124% |
| 370 | 22.057 | 22.028 | 22.078 | VV | 5320 | 151763 | 2.68% | 0.191% |
| 371 | 22.102 | 22.078 | 22.150 | VV | 5173 | 162785 | 2.88% | 0.205% |
| 372 | 22.199 | 22.150 | 22.240 | VV | 2300 | 96279 | 1.70% | 0.121% |
| 373 | 22.290 | 22.240 | 22.318 | VV | 2999 | 84568 | 1.50% | 0.107% |
| 374 | 22.336 | 22.318 | 22.365 | VV | 1252 | 23520 | 0.42% | 0.030% |
| | | | Sum of corrected areas: | | | 79376959 | | |

Aliphatic EPH 062725.M Tue Jul 08 05:07:27 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070725AL\
Data File : FG016227.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 15:02
Operator : YP\AJ
Sample : PB168738BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
PB168738BL

Integration File: autoint1.e
Quant Time: Jul 08 02:23:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 9) S ortho-Terphenyl (SURR) | 12.103 | 5903658 | 45.756 ug/ml |
| Spiked Amount 50.000 | | Recovery = | 91.51% |
| 12) S 1-chlorooctadecane (S... | 13.547 | 4722752 | 46.869 ug/ml |
| Spiked Amount 50.000 | | Recovery = | 93.74% |
| Target Compounds | | | |

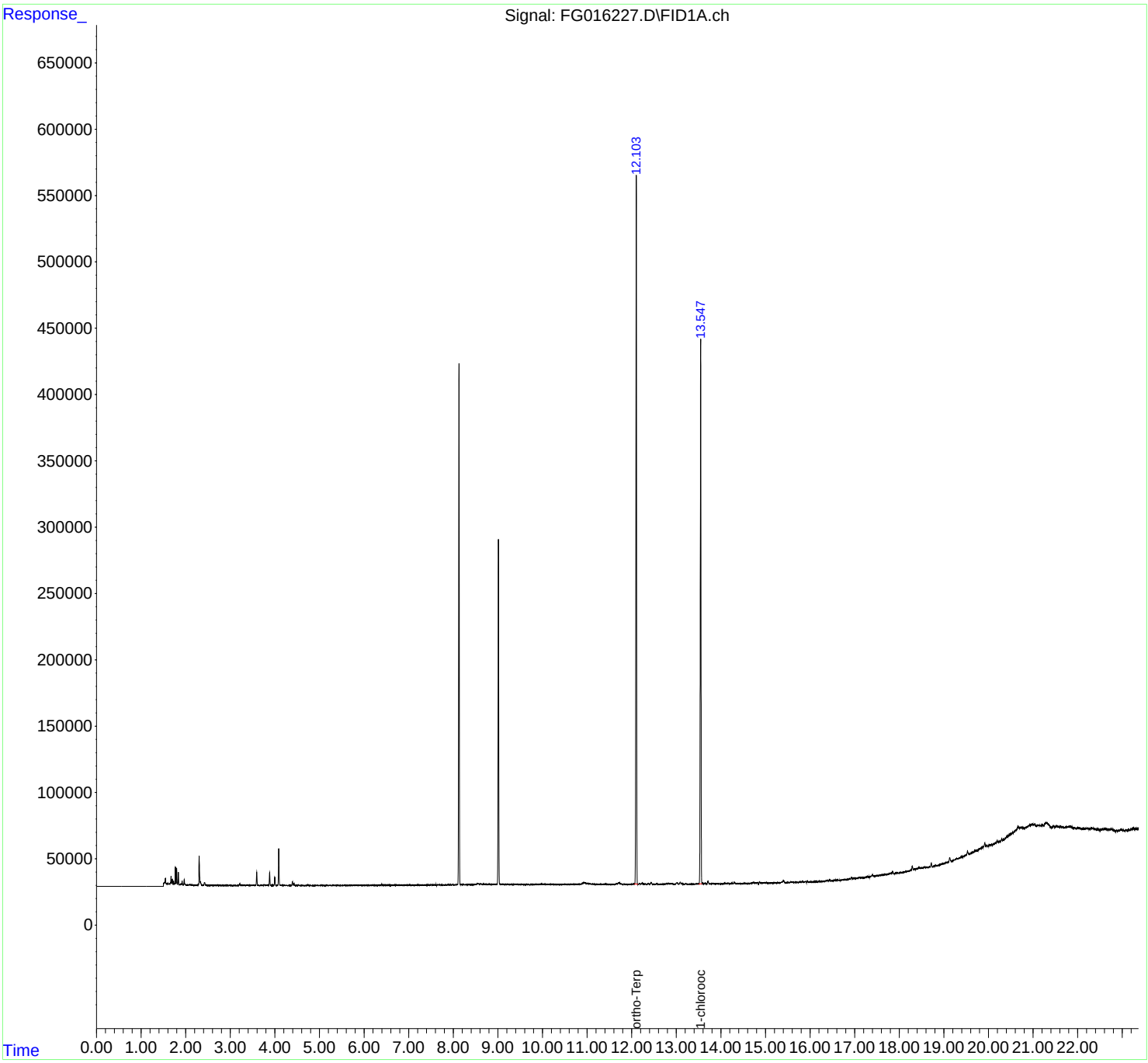
(f)=RT Delta > 1/2 Window (m)=manual int.

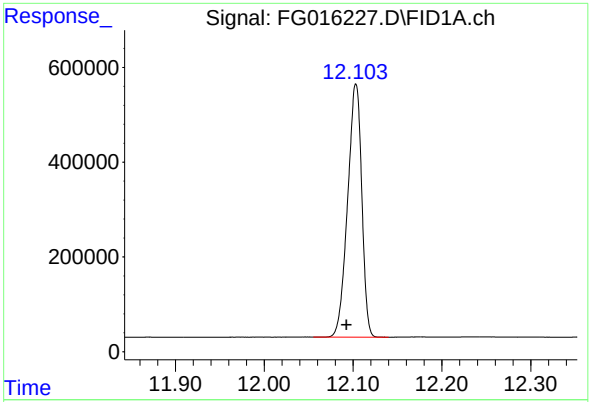
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070725AL\
Data File : FG016227.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 15:02
Operator : YP\AJ
Sample : PB168738BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
PB168738BL

Integration File: autoint1.e
Quant Time: Jul 08 02:23:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

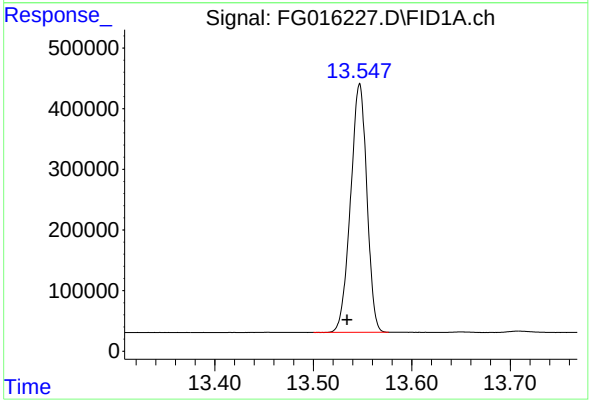





#9 ortho-Terphenyl (SURR)

R.T.: 12.103 min
Delta R.T.: 0.011 min
Response: 5903658
Conc: 45.76 ug/ml

**Instrument :**
FID_G
**ClientSampleId :**
PB168738BL




#12 1-chlorooctadecane (SURR)

R.T.: 13.547 min
Delta R.T.: 0.013 min
Response: 4722752
Conc: 46.87 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070725AL\
Data File : FG016227.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 15:02
Sample : PB168738BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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 | 12.103 | 12.055 | 12.140 | BB | 534244 | 5903658 | 100.00% | 55.556% |
| 2 | 13.547 | 13.500 | 13.577 | BB | 409721 | 4722752 | 80.00% | 44.444% |
| | | | Sum of corrected areas: | | | 10626410 | | |

Aliphatic EPH 061325.M Tue Jul 08 06:12:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070825AL\
Data File : FG016239.D
Signal(s) : FID1A.ch
Acq On : 08 Jul 2025 10:54
Operator : YP\AJ
Sample : PB168738BS
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
PB168738BS

Integration File: autoint1.e
Quant Time: Jul 09 03:56:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

| | Compound | R.T. | Response | Conc Units |
|---|---|---|---|---|
| | System Monitoring Compounds | | | |
| 9) S | ortho-Terphenyl (SURR) | 12.096 | 3298568 | 25.565 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 51.13% |
| 12) S | 1-chlorooctadecane (S... | 13.542 | 2659381 | 26.392 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 52.78% |
| | Target Compounds | | | |
| 1) T | n-Nonane (C9) | 3.417 | 2638994 | 24.391 ug/ml |
| 2) T | n-Decane (C10) | 4.677 | 2786828 | 25.406 ug/ml |
| 3) T | A~Naphthalene (C11.7) | 6.393 | 3496326 | 29.263 ug/ml |
| 4) T | n-Dodecane (C12) | 6.856 | 2974448 | 27.013 ug/ml |
| 5) T | A~2-methylnaphthalene... | 7.497 | 3399505 | 29.228 ug/ml |
| 6) T | n-Tetradecane (C14) | 8.698 | 3180835 | 28.964 ug/ml |
| 7) T | n-Hexadecane (C16) | 10.317 | 3325430 | 29.214 ug/ml |
| 8) T | n-Octadecane (C18) | 11.772 | 3347675 | 28.756 ug/ml |
| 10) T | n-Eicosane (C20) | 13.093 | 3473916 | 30.524 ug/ml |
| 11) T | n-Heneicosane (C21) | 13.709 | 3355441 | 29.638 ug/ml |
| 13) T | n-Docosane (C22) | 14.300 | 3324684 | 29.246 ug/ml |
| 14) T | n-Tetracosane (C24) | 15.401 | 6803257 | 58.999 ug/ml |
| 15) T | n-Hexacosane (C26) | 16.441 | 3213551 | 27.925 ug/ml |
| 16) T | n-Octacosane (C28) | 17.395 | 3112347 | 27.424 ug/ml |
| 17) T | n-Tricontane (C30) | 18.289 | 3057763 | 26.708 ug/ml |
| 18) T | n-Dotriacontane (C32) | 19.125 | 2970222 | 27.242 ug/ml |
| 19) T | n-Tetratriacontane (C34) | 19.914 | 3049388 | 30.822 ug/ml |
| 20) T | n-Hexatriacontane (C36) | 20.660 | 2886567 | 34.008 ug/ml |
| 21) T | n-Octatriacontane (C38) | 21.451 | 2906168 | 38.496 ug/ml |
| 22) T | n-Tetracontane (C40) | 22.457 | 2886900 | 41.749 ug/ml |

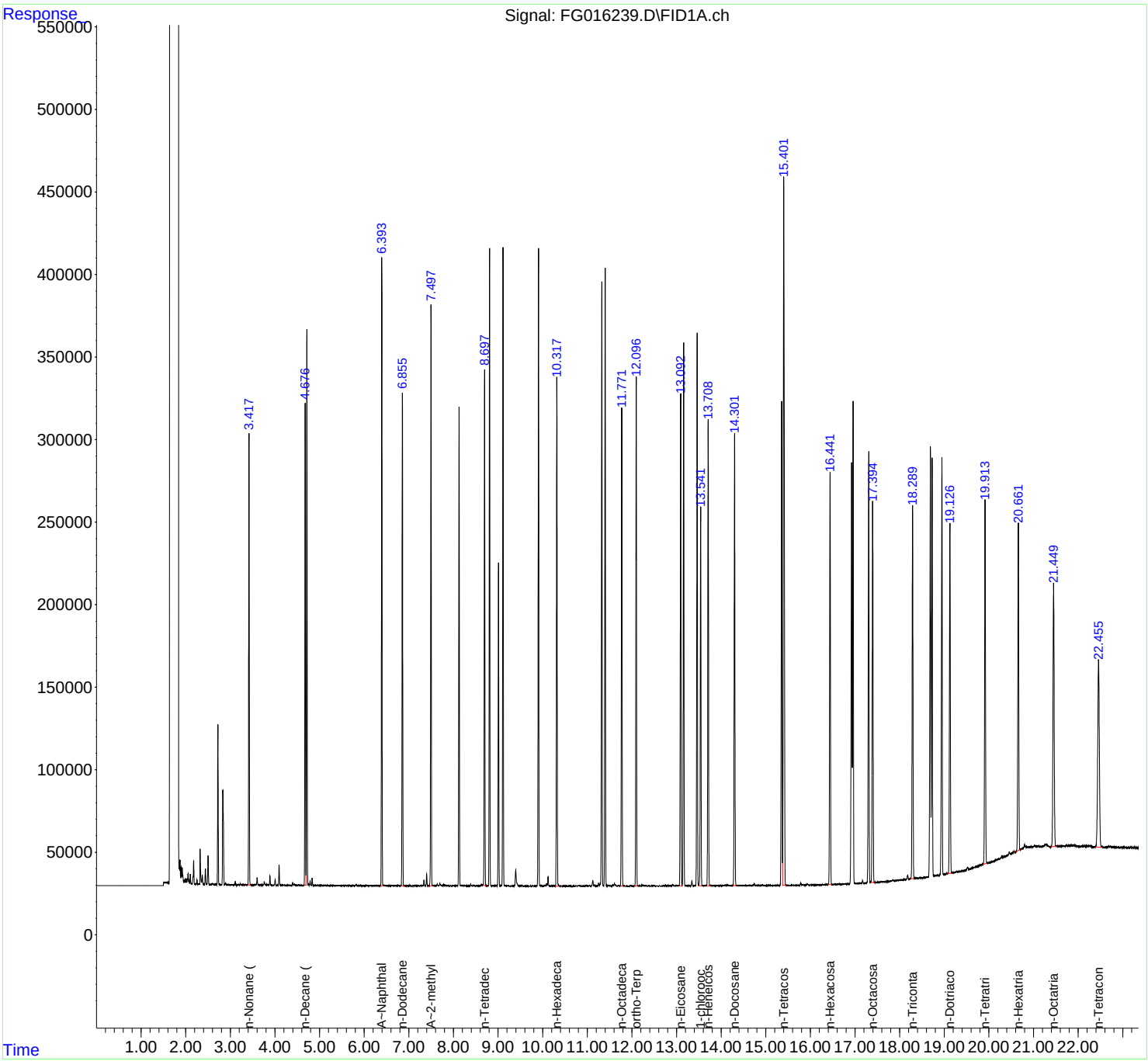
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070825AL\
Data File : FG016239.D
Signal(s) : FID1A.ch
Acq On : 08 Jul 2025 10:54
Operator : YP\AJ
Sample : PB168738BS
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
PB168738BS

Integration File: autoint1.e
Quant Time: Jul 09 03:56:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 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\FG070825AL\
Data File : FG016239.D
Signal(s) : FID1A.ch
Acq On : 08 Jul 2025 10:54
Sample : PB168738BS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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 | 3.417 | 3.382 | 3.456 | BB | 273197 | 2638994 | 38.79% | 2.106% |
| 2 | 4.677 | 4.643 | 4.696 | BV | 291455 | 2786828 | 40.96% | 2.224% |
| 3 | 4.715 | 4.696 | 4.744 | VB | 336319 | 3167121 | 46.55% | 2.527% |
| 4 | 6.393 | 6.360 | 6.428 | BB | 378833 | 3496326 | 51.39% | 2.790% |
| 5 | 6.856 | 6.818 | 6.900 | BB | 298804 | 2974448 | 43.72% | 2.374% |
| 6 | 7.497 | 7.452 | 7.532 | BB | 352102 | 3399505 | 49.97% | 2.713% |
| 7 | 8.698 | 8.667 | 8.742 | BB | 311833 | 3180835 | 46.75% | 2.538% |
| 8 | 8.810 | 8.776 | 8.849 | BB | 385897 | 3785907 | 55.65% | 3.021% |
| 9 | 9.112 | 9.080 | 9.155 | BB | 384803 | 3799816 | 55.85% | 3.032% |
| 10 | 9.907 | 9.871 | 9.937 | BB | 385520 | 3890376 | 57.18% | 3.104% |
| 11 | 10.317 | 10.284 | 10.375 | BB | 308121 | 3325430 | 48.88% | 2.654% |
| 12 | 11.325 | 11.270 | 11.364 | VV | 365724 | 3842674 | 56.48% | 3.066% |
| 13 | 11.400 | 11.364 | 11.443 | PB | 373981 | 3838080 | 56.42% | 3.063% |
| 14 | 11.772 | 11.729 | 11.806 | BB | 289150 | 3347675 | 49.21% | 2.671% |
| 15 | 12.096 | 12.062 | 12.140 | BB | 307908 | 3298568 | 48.49% | 2.632% |
| 16 | 13.093 | 13.055 | 13.125 | BV | 297655 | 3473916 | 51.06% | 2.772% |
| 17 | 13.160 | 13.125 | 13.191 | VB | 329155 | 3710206 | 54.54% | 2.961% |
| 18 | 13.463 | 13.420 | 13.495 | BV | 334339 | 3681306 | 54.11% | 2.938% |
| 19 | 13.542 | 13.495 | 13.575 | VB | 229042 | 2659381 | 39.09% | 2.122% |
| 20 | 13.709 | 13.670 | 13.759 | BB | 281944 | 3355441 | 49.32% | 2.678% |
| 21 | 14.300 | 14.262 | 14.349 | BB | 272994 | 3324684 | 48.87% | 2.653% |
| 22 | 15.356 | 15.314 | 15.375 | BV | 292353 | 3516489 | 51.69% | 2.806% |
| 23 | 15.401 | 15.375 | 15.457 | VB | 429079 | 6803257 | 100.00% | 5.429% |
| 24 | 16.441 | 16.390 | 16.480 | BB | 249480 | 3213551 | 47.24% | 2.564% |
| 25 | 16.924 | 16.866 | 16.939 | BV | 254495 | 3373209 | 49.58% | 2.692% |
| 26 | 16.958 | 16.939 | 16.997 | VB | 291976 | 3362380 | 49.42% | 2.683% |
| 27 | 17.308 | 17.250 | 17.340 | BB | 260112 | 3262897 | 47.96% | 2.604% |
| 28 | 17.395 | 17.354 | 17.441 | BB | 229512 | 3112347 | 45.75% | 2.484% |
| 29 | 18.289 | 18.227 | 18.327 | BB | 225997 | 3057763 | 44.95% | 2.440% |
| 30 | 18.689 | 18.631 | 18.704 | BV | 259940 | 3452511 | 50.75% | 2.755% |
| 31 | 18.727 | 18.704 | 18.774 | VB | 253417 | 3296772 | 48.46% | 2.631% |
| 32 | 18.947 | 18.886 | 18.991 | BB | 251850 | 3189475 | 46.88% | 2.545% |
| 33 | 19.125 | 19.070 | 19.175 | BB | 211586 | 2970222 | 43.66% | 2.370% |
| 34 | 19.914 | 19.855 | 19.955 | BB | 220423 | 3049388 | 44.82% | 2.433% |
| 35 | 20.660 | 20.592 | 20.701 | BB | 197467 | 2886567 | 42.43% | 2.303% |
| 36 | 21.451 | 21.382 | 21.510 | BB | 159556 | 2906168 | 42.72% | 2.319% |

rteres
37 22.457 22.380 22.545 BB 113016 2886900 42.43% 2.304%
Sum of corrected areas: 125317411

Aliphatic EPH 061325.M Wed Jul 09 04:28:07 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070825AL\
Data File : FG016240.D
Signal(s) : FID1A.ch
Acq On : 08 Jul 2025 11:25
Operator : YP\AJ
Sample : PB168738BSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
PB168738BSD

Integration File: autoint1.e
Quant Time: Jul 09 03:57:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

| | Compound | R.T. | Response | Conc Units |
|---|---|---|---|---|
| | System Monitoring Compounds | | | |
| 9) S | ortho-Terphenyl (SURR) | 12.095 | 3322275 | 25.749 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 51.50% |
| 12) S | 1-chlorooctadecane (S... | 13.540 | 2674882 | 26.546 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 53.09% |
| | Target Compounds | | | |
| 1) T | n-Nonane (C9) | 3.418 | 2646371 | 24.459 ug/ml |
| 2) T | n-Decane (C10) | 4.677 | 2794487 | 25.476 ug/ml |
| 3) T | A~Naphthalene (C11.7) | 6.393 | 3513038 | 29.403 ug/ml |
| 4) T | n-Dodecane (C12) | 6.855 | 2988389 | 27.140 ug/ml |
| 5) T | A~2-methylnaphthalene... | 7.496 | 3418085 | 29.388 ug/ml |
| 6) T | n-Tetradecane (C14) | 8.697 | 3204072 | 29.176 ug/ml |
| 7) T | n-Hexadecane (C16) | 10.317 | 3341881 | 29.358 ug/ml |
| 8) T | n-Octadecane (C18) | 11.771 | 3367247 | 28.924 ug/ml |
| 10) T | n-Eicosane (C20) | 13.091 | 3493085 | 30.692 ug/ml |
| 11) T | n-Heneicosane (C21) | 13.708 | 3364111 | 29.715 ug/ml |
| 13) T | n-Docosane (C22) | 14.298 | 3339638 | 29.377 ug/ml |
| 14) T | n-Tetracosane (C24) | 15.401 | 6815566 | 59.106 ug/ml |
| 15) T | n-Hexacosane (C26) | 16.439 | 3230481 | 28.072 ug/ml |
| 16) T | n-Octacosane (C28) | 17.394 | 3123838 | 27.525 ug/ml |
| 17) T | n-Tricontane (C30) | 18.288 | 3075107 | 26.859 ug/ml |
| 18) T | n-Dotriacontane (C32) | 19.124 | 2992650 | 27.448 ug/ml |
| 19) T | n-Tetratriacontane (C34) | 19.914 | 3070557 | 31.036 ug/ml |
| 20) T | n-Hexatriacontane (C36) | 20.658 | 2899455 | 34.160 ug/ml |
| 21) T | n-Octatriacontane (C38) | 21.450 | 2918561 | 38.660 ug/ml |
| 22) T | n-Tetracontane (C40) | 22.457 | 2882837 | 41.690 ug/ml |

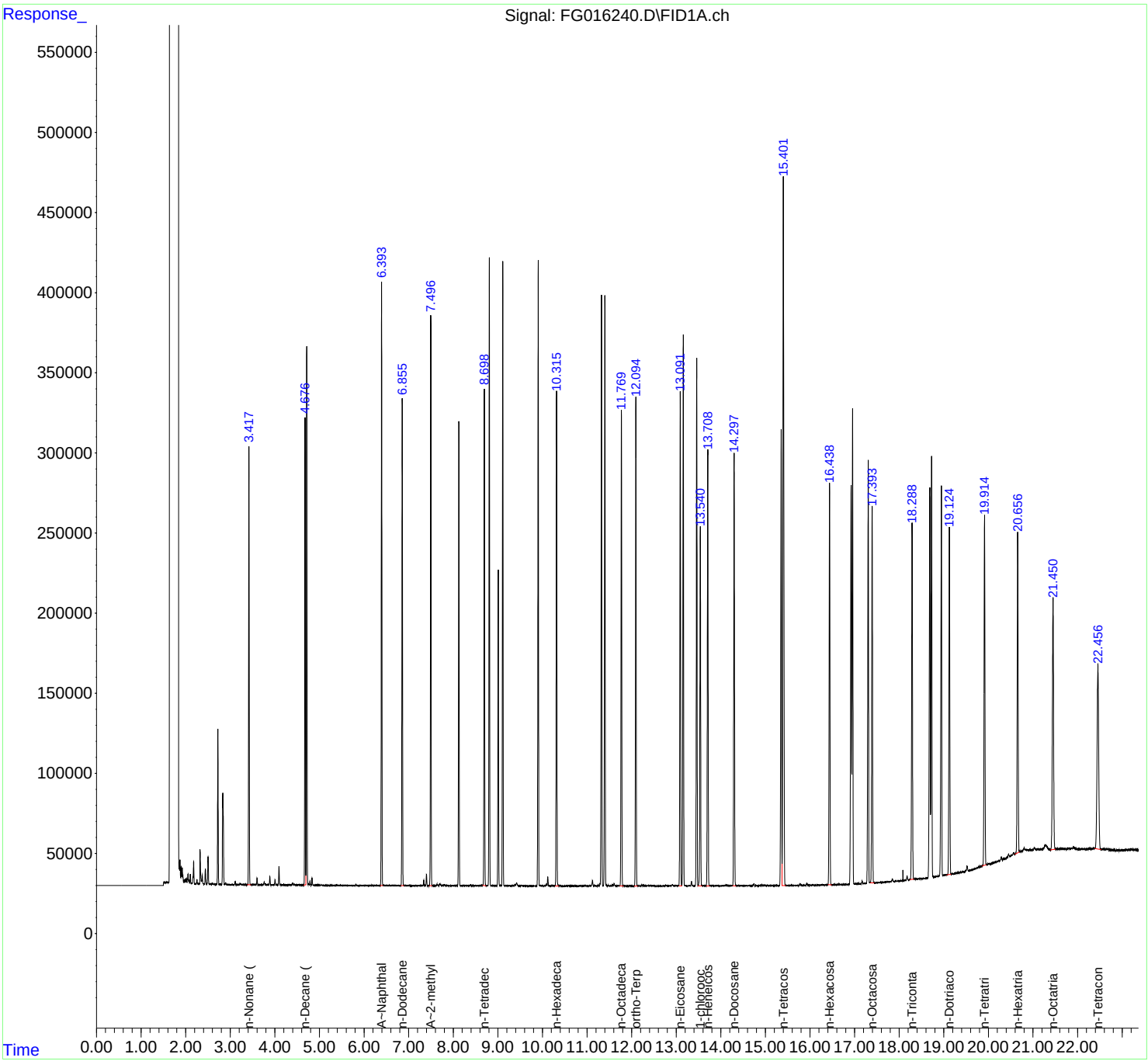
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070825AL\
Data File : FG016240.D
Signal(s) : FID1A.ch
Acq On : 08 Jul 2025 11:25
Operator : YP\AJ
Sample : PB168738BSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
PB168738BSD

Integration File: autoint1.e
Quant Time: Jul 09 03:57:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 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\FG070825AL\
Data File : FG016240.D
Signal(s) : FID1A.ch
Acq On : 08 Jul 2025 11:25
Sample : PB168738BSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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 | 3.418 | 3.375 | 3.462 | BB | 273536 | 2646371 | 38.83% | 2.102% |
| 2 | 4.677 | 4.643 | 4.696 | BV | 291797 | 2794487 | 41.00% | 2.220% |
| 3 | 4.715 | 4.696 | 4.743 | VB | 336070 | 3174970 | 46.58% | 2.522% |
| 4 | 6.393 | 6.362 | 6.424 | BB | 376483 | 3513038 | 51.54% | 2.790% |
| 5 | 6.855 | 6.824 | 6.896 | BB | 303996 | 2988389 | 43.85% | 2.374% |
| 6 | 7.496 | 7.458 | 7.527 | BB | 354486 | 3418085 | 50.15% | 2.715% |
| 7 | 8.697 | 8.656 | 8.738 | BB | 309926 | 3204072 | 47.01% | 2.545% |
| 8 | 8.809 | 8.777 | 8.855 | BB | 390751 | 3813336 | 55.95% | 3.029% |
| 9 | 9.111 | 9.076 | 9.148 | BB | 386942 | 3826475 | 56.14% | 3.039% |
| 10 | 9.906 | 9.872 | 9.939 | BB | 389801 | 3921035 | 57.53% | 3.114% |
| 11 | 10.317 | 10.283 | 10.367 | BB | 308012 | 3341881 | 49.03% | 2.654% |
| 12 | 11.324 | 11.232 | 11.357 | BV | 366548 | 3877278 | 56.89% | 3.080% |
| 13 | 11.400 | 11.357 | 11.438 | PB | 368601 | 3867290 | 56.74% | 3.072% |
| 14 | 11.771 | 11.731 | 11.814 | BB | 294296 | 3367247 | 49.41% | 2.674% |
| 15 | 12.095 | 12.057 | 12.138 | BB | 303774 | 3322275 | 48.75% | 2.639% |
| 16 | 13.091 | 13.056 | 13.124 | BV | 307977 | 3493085 | 51.25% | 2.774% |
| 17 | 13.159 | 13.124 | 13.188 | VB | 344093 | 3728881 | 54.71% | 2.962% |
| 18 | 13.460 | 13.421 | 13.488 | BV | 328668 | 3699137 | 54.27% | 2.938% |
| 19 | 13.540 | 13.488 | 13.581 | VB | 223984 | 2674882 | 39.25% | 2.125% |
| 20 | 13.708 | 13.671 | 13.752 | BB | 271797 | 3364111 | 49.36% | 2.672% |
| 21 | 14.298 | 14.262 | 14.340 | BB | 269831 | 3339638 | 49.00% | 2.653% |
| 22 | 15.353 | 15.312 | 15.374 | BV | 284355 | 3519018 | 51.63% | 2.795% |
| 23 | 15.401 | 15.374 | 15.458 | VB | 442553 | 6815566 | 100.00% | 5.413% |
| 24 | 16.439 | 16.401 | 16.489 | BB | 250327 | 3230481 | 47.40% | 2.566% |
| 25 | 16.922 | 16.865 | 16.937 | BV | 248157 | 3378067 | 49.56% | 2.683% |
| 26 | 16.956 | 16.937 | 16.989 | VB | 296429 | 3352367 | 49.19% | 2.663% |
| 27 | 17.307 | 17.254 | 17.338 | BB | 262068 | 3262479 | 47.87% | 2.591% |
| 28 | 17.394 | 17.352 | 17.442 | BB | 233498 | 3123838 | 45.83% | 2.481% |
| 29 | 18.288 | 18.233 | 18.325 | BB | 222509 | 3075107 | 45.12% | 2.442% |
| 30 | 18.687 | 18.628 | 18.703 | BV | 242738 | 3475737 | 51.00% | 2.761% |
| 31 | 18.726 | 18.703 | 18.771 | VB | 262256 | 3324070 | 48.77% | 2.640% |
| 32 | 18.946 | 18.881 | 18.992 | BB | 242872 | 3207060 | 47.05% | 2.547% |
| 33 | 19.124 | 19.067 | 19.166 | BB | 216607 | 2992650 | 43.91% | 2.377% |
| 34 | 19.914 | 19.859 | 19.953 | BB | 218241 | 3070557 | 45.05% | 2.439% |
| 35 | 20.658 | 20.589 | 20.697 | BB | 197780 | 2899455 | 42.54% | 2.303% |
| 36 | 21.450 | 21.383 | 21.510 | BB | 157440 | 2918561 | 42.82% | 2.318% |

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|---|---|---|---|---|---|---|---|---|
| 37 | 22.457 | 22.379 | 22.531 | BB | 115749 | 2882837 | 42.30% | 2.290% |

Sum of corrected areas: 125903812

Aliphatic EPH 061325.M Wed Jul 09 04:28:44 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070725AL\
Data File : FG016232.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 17:31
Operator : YP\AJ
Sample : Q2515-01MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
WC-1MS

Integration File: autoint1.e
Quant Time: Jul 08 02:24:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

| | Compound | R.T. | Response | Conc Units |
|---|---|---|---|---|
| | System Monitoring Compounds | | | |
| 9) | S ortho-Terphenyl (SURR) | 12.098 | 4471160 | 34.653 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 69.31% |
| 12) | S 1-chlorooctadecane (S... | 13.543 | 3810382 | 37.815 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 75.63% |
| | Target Compounds | | | |
| 1) | T n-Nonane (C9) | 3.415 | 3409658 | 31.513 ug/ml |
| 2) | T n-Decane (C10) | 4.678 | 3924306 | 35.776 ug/ml |
| 3) | T A~Naphthalene (C11.7) | 6.395 | 5051953 | 42.283 ug/ml |
| 4) | T n-Dodecane (C12) | 6.857 | 4378049 | 39.760 ug/ml |
| 5) | T A~2-methylnaphthalene... | 7.499 | 4999162 | 42.982 ug/ml |
| 6) | T n-Tetradecane (C14) | 8.700 | 4881221 | 44.448 ug/ml |
| 7) | T n-Hexadecane (C16) | 10.319 | 5434224 | 47.740 ug/ml |
| 8) | T n-Octadecane (C18) | 11.774 | 5666153 | 48.672 ug/ml |
| 10) | T n-Eicosane (C20) | 13.095 | 5942420 | 52.213 ug/ml |
| 11) | T n-Heneicosane (C21) | 13.711 | 5732203 | 50.632 ug/ml |
| 13) | T n-Docosane (C22) | 14.301 | 5712622 | 50.251 ug/ml |
| 14) | T n-Tetracosane (C24) | 15.409 | 11696433 | 101.434 ug/ml |
| 15) | T n-Hexacosane (C26) | 16.442 | 5525379 | 48.014 ug/ml |
| 16) | T n-Octacosane (C28) | 17.397 | 5335357 | 47.011 ug/ml |
| 17) | T n-Tricontane (C30) | 18.292 | 5257970 | 45.925 ug/ml |
| 18) | T n-Dotriacontane (C32) | 19.129 | 5097267 | 46.751 ug/ml |
| 19) | T n-Tetratriacontane (C34) | 19.917 | 5238175 | 52.946 ug/ml |
| 20) | T n-Hexatriacontane (C36) | 20.662 | 4950374 | 58.322 ug/ml |
| 21) | T n-Octatriacontane (C38) | 21.454 | 4936826 | 65.395 ug/ml |
| 22) | T n-Tetracontane (C40) | 22.463 | 4871960 | 70.456 ug/ml |

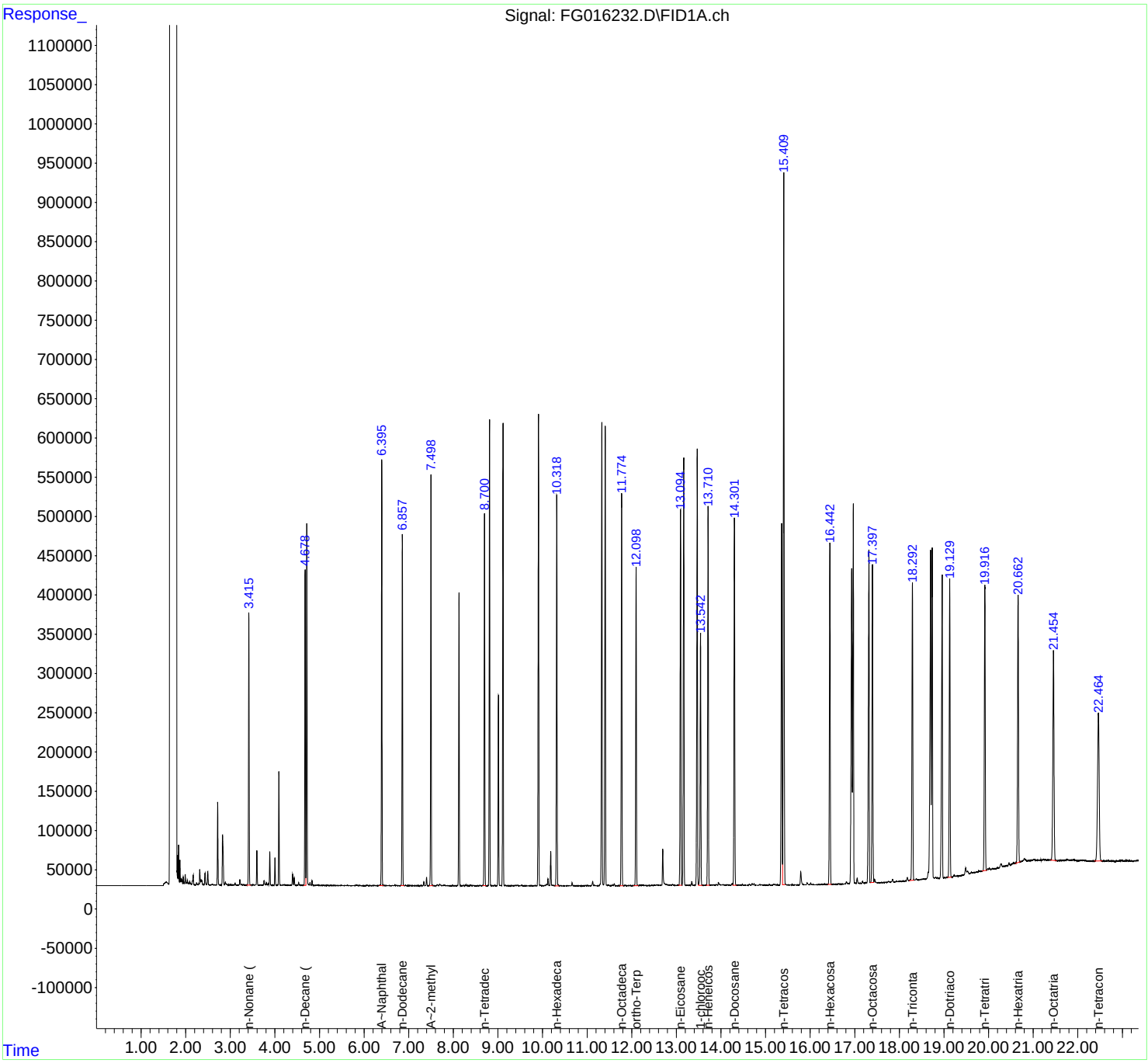
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070725AL\
Data File : FG016232.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 17:31
Operator : YP\AJ
Sample : Q2515-01MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
WC-1MS

Integration File: autoint1.e
Quant Time: Jul 08 02:24:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 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\FG070725AL\
Data File : FG016232.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 17:31
Sample : Q2515-01MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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 | 3.308 | 3.295 | 3.344 | PV | 259 | 2599 | 0.02% | 0.001% |
| 2 | 3.360 | 3.344 | 3.375 | PV | 116 | 1640 | 0.01% | 0.001% |
| 3 | 3.415 | 3.375 | 3.455 | VV | 346798 | 3415001 | 29.15% | 1.522% |
| 4 | 3.469 | 3.455 | 3.491 | VV | 314 | 4537 | 0.04% | 0.002% |
| 5 | 3.509 | 3.491 | 3.532 | VV | 600 | 7457 | 0.06% | 0.003% |
| 6 | 3.548 | 3.532 | 3.567 | VV | 322 | 5533 | 0.05% | 0.002% |
| 7 | 3.595 | 3.567 | 3.649 | VV | 44264 | 413007 | 3.53% | 0.184% |
| 8 | 3.683 | 3.649 | 3.720 | VV | 498 | 10311 | 0.09% | 0.005% |
| 9 | 3.756 | 3.720 | 3.788 | VV | 6025 | 69160 | 0.59% | 0.031% |
| 10 | 3.806 | 3.788 | 3.826 | VV | 2984 | 35652 | 0.30% | 0.016% |
| 11 | 3.851 | 3.826 | 3.864 | VV | 2623 | 33523 | 0.29% | 0.015% |
| 12 | 3.885 | 3.864 | 3.920 | VV | 42853 | 389581 | 3.33% | 0.174% |
| 13 | 3.932 | 3.920 | 3.974 | VV | 76 | 1626 | 0.01% | 0.001% |
| 14 | 4.001 | 3.974 | 4.044 | VV | 35056 | 313958 | 2.68% | 0.140% |
| 15 | 4.089 | 4.044 | 4.160 | VV | 143665 | 1293584 | 11.04% | 0.577% |
| 16 | 4.183 | 4.160 | 4.199 | VV | 730 | 9719 | 0.08% | 0.004% |
| 17 | 4.214 | 4.199 | 4.238 | VV | 604 | 9044 | 0.08% | 0.004% |
| 18 | 4.264 | 4.238 | 4.345 | VV | 504 | 17755 | 0.15% | 0.008% |
| 19 | 4.359 | 4.345 | 4.367 | VV | 354 | 3533 | 0.03% | 0.002% |
| 20 | 4.398 | 4.367 | 4.418 | VV | 14435 | 168671 | 1.44% | 0.075% |
| 21 | 4.434 | 4.418 | 4.508 | VV | 9723 | 95591 | 0.82% | 0.043% |
| 22 | 4.533 | 4.508 | 4.549 | VV | 4023 | 37777 | 0.32% | 0.017% |
| 23 | 4.558 | 4.549 | 4.581 | VV | 871 | 8947 | 0.08% | 0.004% |
| 24 | 4.594 | 4.581 | 4.606 | VV | 199 | 2641 | 0.02% | 0.001% |
| 25 | 4.678 | 4.606 | 4.696 | VV | 403390 | 3932750 | 33.57% | 1.753% |
| 26 | 4.715 | 4.696 | 4.769 | VV | 460207 | 4444878 | 37.94% | 1.981% |
| 27 | 4.787 | 4.769 | 4.810 | VV | 3815 | 39285 | 0.34% | 0.018% |
| 28 | 4.833 | 4.810 | 4.861 | VV | 6370 | 62313 | 0.53% | 0.028% |
| 29 | 4.873 | 4.861 | 4.878 | VV | 142 | 1155 | 0.01% | 0.001% |
| 30 | 4.894 | 4.878 | 4.934 | VV | 201 | 4555 | 0.04% | 0.002% |
| 31 | 4.954 | 4.934 | 4.976 | VV | 1098 | 11466 | 0.10% | 0.005% |
| 32 | 4.989 | 4.976 | 5.019 | VV | 252 | 3334 | 0.03% | 0.001% |
| 33 | 5.044 | 5.019 | 5.067 | VV | 209 | 4145 | 0.04% | 0.002% |
| 34 | 5.091 | 5.067 | 5.115 | VV | 200 | 3558 | 0.03% | 0.002% |
| 35 | 5.136 | 5.115 | 5.158 | VV | 133 | 2416 | 0.02% | 0.001% |
| 36 | 5.192 | 5.158 | 5.245 | VV | 230 | 6891 | 0.06% | 0.003% |

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|---|---|---|---|---|---|---|---|---|
| 37 | 5.259 | 5.245 | 5.279 | VV | 125 | 2115 | 0.02% | 0.001% |
| 38 | 5.305 | 5.279 | 5.321 | VV | 620 | 7562 | 0.06% | 0.003% |
| 39 | 5.335 | 5.321 | 5.371 | VV | 237 | 5070 | 0.04% | 0.002% |
| 40 | 5.385 | 5.371 | 5.411 | VV | 247 | 3661 | 0.03% | 0.002% |
| 41 | 5.434 | 5.411 | 5.454 | VV | 259 | 3881 | 0.03% | 0.002% |
| 42 | 5.466 | 5.454 | 5.485 | VV | 214 | 2279 | 0.02% | 0.001% |
| 43 | 5.498 | 5.485 | 5.514 | PV | 145 | 1709 | 0.01% | 0.001% |
| 44 | 5.547 | 5.514 | 5.567 | VV | 219 | 4281 | 0.04% | 0.002% |
| 45 | 5.581 | 5.567 | 5.605 | VV | 294 | 3353 | 0.03% | 0.001% |
| 46 | 5.620 | 5.605 | 5.644 | VV | 470 | 5330 | 0.05% | 0.002% |
| 47 | 5.659 | 5.644 | 5.718 | VV | 137 | 4227 | 0.04% | 0.002% |
| 48 | 5.731 | 5.718 | 5.742 | VV | 101 | 1100 | 0.01% | 0.000% |
| 49 | 5.766 | 5.742 | 5.785 | VV | 137 | 2098 | 0.02% | 0.001% |
| 50 | 5.818 | 5.785 | 5.837 | PV | 1367 | 14731 | 0.13% | 0.007% |
| 51 | 5.849 | 5.837 | 5.869 | VV | 457 | 5096 | 0.04% | 0.002% |
| 52 | 5.884 | 5.869 | 5.904 | VV | 344 | 4370 | 0.04% | 0.002% |
| 53 | 5.917 | 5.904 | 5.936 | VV | 294 | 3451 | 0.03% | 0.002% |
| 54 | 5.945 | 5.936 | 6.015 | VV | 142 | 3229 | 0.03% | 0.001% |
| 55 | 6.022 | 6.015 | 6.036 | VV | 71 | 698 | 0.01% | 0.000% |
| 56 | 6.055 | 6.036 | 6.108 | VV | 522 | 10505 | 0.09% | 0.005% |
| 57 | 6.135 | 6.108 | 6.159 | VV | 312 | 4216 | 0.04% | 0.002% |
| 58 | 6.185 | 6.159 | 6.214 | VV | 351 | 4959 | 0.04% | 0.002% |
| 59 | 6.232 | 6.214 | 6.258 | VV | 441 | 5446 | 0.05% | 0.002% |
| 60 | 6.273 | 6.258 | 6.307 | VV | 217 | 3288 | 0.03% | 0.001% |
| 61 | 6.327 | 6.307 | 6.338 | VV | 237 | 2956 | 0.03% | 0.001% |
| 62 | 6.395 | 6.338 | 6.431 | VV | 539575 | 5062325 | 43.21% | 2.257% |
| 63 | 6.444 | 6.431 | 6.484 | VV | 545 | 11448 | 0.10% | 0.005% |
| 64 | 6.500 | 6.484 | 6.528 | VV | 344 | 5917 | 0.05% | 0.003% |
| 65 | 6.564 | 6.528 | 6.588 | VV | 302 | 6488 | 0.06% | 0.003% |
| 66 | 6.598 | 6.588 | 6.611 | VV | 180 | 1873 | 0.02% | 0.001% |
| 67 | 6.634 | 6.611 | 6.668 | VV | 260 | 5517 | 0.05% | 0.002% |
| 68 | 6.690 | 6.668 | 6.726 | VV | 1062 | 15603 | 0.13% | 0.007% |
| 69 | 6.740 | 6.726 | 6.759 | VV | 309 | 4369 | 0.04% | 0.002% |
| 70 | 6.787 | 6.759 | 6.812 | VV | 244 | 4488 | 0.04% | 0.002% |
| 71 | 6.857 | 6.812 | 6.912 | VV | 445635 | 4385872 | 37.43% | 1.955% |
| 72 | 6.928 | 6.912 | 6.972 | VV | 864 | 11449 | 0.10% | 0.005% |
| 73 | 7.007 | 6.972 | 7.042 | VV | 361 | 6972 | 0.06% | 0.003% |
| 74 | 7.147 | 7.042 | 7.212 | PV | 195 | 9106 | 0.08% | 0.004% |
| 75 | 7.225 | 7.212 | 7.240 | VV | 145 | 1314 | 0.01% | 0.001% |
| 76 | 7.280 | 7.240 | 7.299 | VV | 383 | 5228 | 0.04% | 0.002% |
| 77 | 7.339 | 7.299 | 7.370 | VV | 5174 | 50991 | 0.44% | 0.023% |
| 78 | 7.400 | 7.370 | 7.447 | VV | 10744 | 107174 | 0.91% | 0.048% |
| 79 | 7.499 | 7.447 | 7.612 | VV | 520832 | 5017304 | 42.82% | 2.237% |
| 80 | 7.637 | 7.612 | 7.674 | VV | 1723 | 24912 | 0.21% | 0.011% |
| 81 | 7.696 | 7.674 | 7.712 | VV | 2032 | 26228 | 0.22% | 0.012% |
| 82 | 7.722 | 7.712 | 7.752 | VV | 1065 | 12578 | 0.11% | 0.006% |
| 83 | 7.774 | 7.752 | 7.792 | VV | 944 | 11259 | 0.10% | 0.005% |
| 84 | 7.807 | 7.792 | 7.829 | VV | 1394 | 14938 | 0.13% | 0.007% |
| 85 | 7.865 | 7.829 | 7.888 | VV | 410 | 9051 | 0.08% | 0.004% |
| 86 | 7.899 | 7.888 | 7.961 | VV | 290 | 5267 | 0.04% | 0.002% |
| 87 | 7.987 | 7.961 | 8.007 | PV | 596 | 6934 | 0.06% | 0.003% |
| 88 | 8.029 | 8.007 | 8.082 | VV | 458 | 7967 | 0.07% | 0.004% |
| 89 | 8.180 | 8.175 | 8.201 | VV | 136 | 1355 | 0.01% | 0.001% |

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|---|---|---|---|---|---|---|---|---|
| 90 | 8.240 | 8.201 | 8.255 | VV | 466 | 9358 | 0.08% | 0.004% |
| 91 | 8.270 | 8.255 | 8.285 | VV | 662 | 7800 | 0.07% | 0.003% |
| 92 | 8.294 | 8.285 | 8.338 | VV | 495 | 7785 | 0.07% | 0.003% |
| 93 | 8.342 | 8.338 | 8.368 | VV | 148 | 1832 | 0.02% | 0.001% |
| 94 | 8.388 | 8.368 | 8.418 | VV | 1236 | 14630 | 0.12% | 0.007% |
| 95 | 8.444 | 8.418 | 8.483 | VV | 738 | 10552 | 0.09% | 0.005% |
| 96 | 8.492 | 8.483 | 8.502 | VV | 89 | 1015 | 0.01% | 0.000% |
| 97 | 8.558 | 8.502 | 8.567 | VV | 185 | 4531 | 0.04% | 0.002% |
| 98 | 8.589 | 8.567 | 8.620 | VV | 419 | 9240 | 0.08% | 0.004% |
| 99 | 8.700 | 8.620 | 8.739 | VV | 471893 | 4901218 | 41.83% | 2.185% |
| 100 | 8.754 | 8.739 | 8.770 | VV | 282 | 4216 | 0.04% | 0.002% |
| 101 | 8.813 | 8.770 | 8.868 | VV | 584487 | 5745310 | 49.04% | 2.561% |
| 102 | 8.884 | 8.868 | 8.902 | VV | 354 | 4928 | 0.04% | 0.002% |
| 103 | 8.928 | 8.902 | 8.963 | VV | 577 | 8798 | 0.08% | 0.004% |
| 104 | 9.051 | 9.045 | 9.077 | VV | 368 | 6267 | 0.05% | 0.003% |
| 105 | 9.115 | 9.077 | 9.149 | VV | 590050 | 5876942 | 50.16% | 2.620% |
| 106 | 9.172 | 9.149 | 9.219 | VV | 536 | 10712 | 0.09% | 0.005% |
| 107 | 9.236 | 9.219 | 9.279 | VV | 272 | 4817 | 0.04% | 0.002% |
| 108 | 9.307 | 9.279 | 9.362 | VV | 527 | 9369 | 0.08% | 0.004% |
| 109 | 9.386 | 9.362 | 9.404 | VV | 1106 | 13196 | 0.11% | 0.006% |
| 110 | 9.426 | 9.404 | 9.500 | VV | 947 | 21207 | 0.18% | 0.009% |
| 111 | 9.529 | 9.500 | 9.546 | VV | 854 | 9705 | 0.08% | 0.004% |
| 112 | 9.558 | 9.546 | 9.607 | VV | 261 | 4873 | 0.04% | 0.002% |
| 113 | 9.628 | 9.607 | 9.673 | VV | 359 | 4748 | 0.04% | 0.002% |
| 114 | 9.678 | 9.673 | 9.688 | VV | 71 | 306 | 0.00% | 0.000% |
| 115 | 9.718 | 9.688 | 9.737 | VV | 154 | 2214 | 0.02% | 0.001% |
| 116 | 9.748 | 9.737 | 9.757 | VV | 127 | 1068 | 0.01% | 0.000% |
| 117 | 9.774 | 9.757 | 9.814 | VV | 260 | 4397 | 0.04% | 0.002% |
| 118 | 9.831 | 9.814 | 9.845 | VV | 551 | 3113 | 0.03% | 0.001% |
| 119 | 9.910 | 9.845 | 9.940 | PV | 600937 | 6248064 | 53.33% | 2.785% |
| 120 | 9.951 | 9.940 | 9.989 | VV | 702 | 12594 | 0.11% | 0.006% |
| 121 | 10.009 | 9.989 | 10.031 | VV | 416 | 7136 | 0.06% | 0.003% |
| 122 | 10.055 | 10.031 | 10.067 | VV | 592 | 8125 | 0.07% | 0.004% |
| 123 | 10.090 | 10.067 | 10.105 | VV | 2125 | 29693 | 0.25% | 0.013% |
| 124 | 10.122 | 10.105 | 10.157 | VV | 9194 | 97819 | 0.83% | 0.044% |
| 125 | 10.184 | 10.157 | 10.235 | VV | 44260 | 466686 | 3.98% | 0.208% |
| 126 | 10.251 | 10.235 | 10.276 | VV | 682 | 8572 | 0.07% | 0.004% |
| 127 | 10.319 | 10.276 | 10.384 | VV | 496632 | 5437039 | 46.41% | 2.424% |
| 128 | 10.407 | 10.384 | 10.454 | VV | 601 | 9841 | 0.08% | 0.004% |
| 129 | 10.486 | 10.454 | 10.524 | VV | 264 | 4990 | 0.04% | 0.002% |
| 130 | 10.544 | 10.524 | 10.562 | VV | 188 | 2627 | 0.02% | 0.001% |
| 131 | 10.574 | 10.562 | 10.584 | VV | 274 | 3029 | 0.03% | 0.001% |
| 132 | 10.597 | 10.584 | 10.632 | VV | 466 | 5291 | 0.05% | 0.002% |
| 133 | 10.662 | 10.632 | 10.689 | PV | 4188 | 43560 | 0.37% | 0.019% |
| 134 | 10.710 | 10.689 | 10.724 | VV | 232 | 3427 | 0.03% | 0.002% |
| 135 | 10.761 | 10.724 | 10.783 | VV | 361 | 6898 | 0.06% | 0.003% |
| 136 | 10.835 | 10.783 | 10.902 | VV | 253 | 10110 | 0.09% | 0.005% |
| 137 | 10.912 | 10.902 | 10.922 | VV | 100 | 1042 | 0.01% | 0.000% |
| 138 | 10.965 | 10.922 | 10.999 | VV | 381 | 9811 | 0.08% | 0.004% |
| 139 | 11.016 | 10.999 | 11.040 | VV | 390 | 5802 | 0.05% | 0.003% |
| 140 | 11.061 | 11.040 | 11.087 | VV | 442 | 5820 | 0.05% | 0.003% |
| 141 | 11.124 | 11.087 | 11.149 | VV | 5711 | 73713 | 0.63% | 0.033% |

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|---|---|---|---|---|---|---|---|---|
| 142 | 11.165 | 11.149 | 11.187 | VV | 606 | 9574 | 0.08% | 0.004% |
| 143 | 11.204 | 11.187 | 11.235 | VV | 320 | 6077 | 0.05% | 0.003% |
| 144 | 11.257 | 11.235 | 11.267 | VV | 215 | 3142 | 0.03% | 0.001% |
| 145 | 11.329 | 11.267 | 11.368 | VV | 587671 | 6479603 | 55.31% | 2.888% |
| 146 | 11.405 | 11.368 | 11.458 | VV | 583951 | 6504222 | 55.52% | 2.899% |
| 147 | 11.477 | 11.458 | 11.498 | VV | 1038 | 14345 | 0.12% | 0.006% |
| 148 | 11.509 | 11.498 | 11.543 | VV | 398 | 6960 | 0.06% | 0.003% |
| 149 | 11.573 | 11.543 | 11.592 | VV | 1361 | 17691 | 0.15% | 0.008% |
| 150 | 11.609 | 11.592 | 11.646 | VV | 2792 | 30260 | 0.26% | 0.013% |
| 151 | 11.661 | 11.646 | 11.681 | VV | 55 | 992 | 0.01% | 0.000% |
| 152 | 11.700 | 11.681 | 11.728 | VV | 311 | 4579 | 0.04% | 0.002% |
| 153 | 11.774 | 11.728 | 11.812 | VV | 499534 | 5669885 | 48.39% | 2.528% |
| 154 | 11.852 | 11.812 | 11.892 | VV | 525 | 12956 | 0.11% | 0.006% |
| 155 | 11.935 | 11.892 | 11.951 | VV | 289 | 6248 | 0.05% | 0.003% |
| 156 | 11.967 | 11.951 | 11.990 | VV | 348 | 4514 | 0.04% | 0.002% |
| 157 | 12.021 | 11.990 | 12.038 | VV | 209 | 2676 | 0.02% | 0.001% |
| 158 | 12.098 | 12.038 | 12.146 | VV | 405931 | 4476222 | 38.21% | 1.995% |
| 159 | 12.191 | 12.146 | 12.209 | VV | 548 | 14158 | 0.12% | 0.006% |
| 160 | 12.229 | 12.209 | 12.269 | VV | 1110 | 22119 | 0.19% | 0.010% |
| 161 | 12.282 | 12.269 | 12.294 | VV | 474 | 5271 | 0.04% | 0.002% |
| 162 | 12.308 | 12.294 | 12.344 | VV | 450 | 7069 | 0.06% | 0.003% |
| 163 | 12.380 | 12.344 | 12.410 | PV | 416 | 6522 | 0.06% | 0.003% |
| 164 | 12.449 | 12.410 | 12.475 | VV | 432 | 10079 | 0.09% | 0.004% |
| 165 | 12.493 | 12.475 | 12.523 | VV | 677 | 15335 | 0.13% | 0.007% |
| 166 | 12.559 | 12.523 | 12.648 | VV | 1033 | 49492 | 0.42% | 0.022% |
| 167 | 12.696 | 12.648 | 12.862 | VV | 46473 | 661402 | 5.65% | 0.295% |
| 168 | 12.881 | 12.862 | 12.890 | VV | 671 | 9515 | 0.08% | 0.004% |
| 169 | 12.916 | 12.890 | 12.972 | VV | 1670 | 35155 | 0.30% | 0.016% |
| 170 | 12.987 | 12.972 | 12.999 | VV | 299 | 4447 | 0.04% | 0.002% |
| 171 | 13.033 | 12.999 | 13.055 | VV | 633 | 13883 | 0.12% | 0.006% |
| 172 | 13.095 | 13.055 | 13.127 | VV | 476741 | 5960396 | 50.87% | 2.657% |
| 173 | 13.167 | 13.127 | 13.225 | VV | 541819 | 6417714 | 54.78% | 2.861% |
| 174 | 13.241 | 13.225 | 13.253 | VV | 288 | 3897 | 0.03% | 0.002% |
| 175 | 13.263 | 13.253 | 13.275 | VV | 247 | 2803 | 0.02% | 0.001% |
| 176 | 13.295 | 13.275 | 13.318 | VV | 385 | 6719 | 0.06% | 0.003% |
| 177 | 13.346 | 13.318 | 13.382 | VV | 5305 | 61459 | 0.52% | 0.027% |
| 178 | 13.468 | 13.382 | 13.496 | VV | 557651 | 6361777 | 54.30% | 2.836% |
| 179 | 13.542 | 13.496 | 13.618 | VV | 318959 | 3825051 | 32.65% | 1.705% |
| 180 | 13.654 | 13.618 | 13.671 | VV | 465 | 9787 | 0.08% | 0.004% |
| 181 | 13.711 | 13.671 | 13.749 | VV | 483494 | 5747243 | 49.05% | 2.562% |
| 182 | 13.765 | 13.749 | 13.784 | VV | 624 | 11048 | 0.09% | 0.005% |
| 183 | 13.807 | 13.784 | 13.818 | VV | 685 | 12243 | 0.10% | 0.005% |
| 184 | 13.826 | 13.818 | 13.875 | VV | 638 | 17040 | 0.15% | 0.008% |
| 185 | 13.902 | 13.875 | 13.928 | VV | 1157 | 22970 | 0.20% | 0.010% |
| 186 | 13.944 | 13.928 | 14.021 | VV | 3746 | 76925 | 0.66% | 0.034% |
| 187 | 14.044 | 14.021 | 14.071 | VV | 868 | 20151 | 0.17% | 0.009% |
| 188 | 14.088 | 14.071 | 14.118 | VV | 750 | 14823 | 0.13% | 0.007% |
| 189 | 14.140 | 14.118 | 14.183 | VV | 1097 | 22599 | 0.19% | 0.010% |
| 190 | 14.201 | 14.183 | 14.222 | VV | 350 | 6293 | 0.05% | 0.003% |
| 191 | 14.250 | 14.222 | 14.265 | VV | 2631 | 33461 | 0.29% | 0.015% |
| 192 | 14.301 | 14.265 | 14.347 | VV | 465231 | 5721618 | 48.84% | 2.551% |
| 193 | 14.360 | 14.347 | 14.373 | VV | 259 | 3448 | 0.03% | 0.002% |
| 194 | 14.385 | 14.373 | 14.412 | VV | 230 | 3670 | 0.03% | 0.002% |

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|---|---|---|---|---|---|---|---|---|
| 195 | 14.430 | 14.412 | 14.450 | VV | 305 | 4725 | 0.04% | 0.002% |
| 196 | 14.476 | 14.450 | 14.515 | VV | 1039 | 15241 | 0.13% | 0.007% |
| 197 | 14.538 | 14.515 | 14.577 | VV | 370 | 7325 | 0.06% | 0.003% |
| 198 | 14.589 | 14.577 | 14.608 | VV | 189 | 1768 | 0.02% | 0.001% |
| 199 | 14.636 | 14.608 | 14.669 | VV | 1727 | 24145 | 0.21% | 0.011% |
| 200 | 14.699 | 14.669 | 14.721 | VV | 2399 | 35902 | 0.31% | 0.016% |
| 201 | 14.742 | 14.721 | 14.766 | VV | 2362 | 31593 | 0.27% | 0.014% |
| 202 | 14.789 | 14.766 | 14.812 | VV | 231 | 4665 | 0.04% | 0.002% |
| 203 | 14.821 | 14.812 | 14.838 | VV | 144 | 1365 | 0.01% | 0.001% |
| 204 | 14.869 | 14.838 | 14.892 | VV | 1071 | 17044 | 0.15% | 0.008% |
| 205 | 14.904 | 14.892 | 14.946 | VV | 686 | 12921 | 0.11% | 0.006% |
| 206 | 14.969 | 14.946 | 15.005 | VV | 427 | 9275 | 0.08% | 0.004% |
| 207 | 15.020 | 15.005 | 15.055 | VV | 345 | 5394 | 0.05% | 0.002% |
| 208 | 15.086 | 15.055 | 15.125 | PV | 710 | 11780 | 0.10% | 0.005% |
| 209 | 15.179 | 15.125 | 15.196 | VV | 1009 | 16869 | 0.14% | 0.008% |
| 210 | 15.206 | 15.196 | 15.235 | VV | 633 | 10652 | 0.09% | 0.005% |
| 211 | 15.256 | 15.235 | 15.288 | VV | 487 | 10814 | 0.09% | 0.005% |
| 212 | 15.299 | 15.288 | 15.318 | VV | 193 | 2551 | 0.02% | 0.001% |
| 213 | 15.361 | 15.318 | 15.381 | VV | 457071 | 6102273 | 52.08% | 2.720% |
| 214 | 15.409 | 15.381 | 15.446 | VV | 895695 | 11716094 | 100.00% | 5.223% |
| 215 | 15.455 | 15.446 | 15.488 | VV | 1254 | 14983 | 0.13% | 0.007% |
| 216 | 15.522 | 15.488 | 15.557 | VV | 238 | 6199 | 0.05% | 0.003% |
| 217 | 15.591 | 15.557 | 15.635 | VV | 371 | 9094 | 0.08% | 0.004% |
| 218 | 15.651 | 15.635 | 15.681 | VV | 308 | 3890 | 0.03% | 0.002% |
| 219 | 15.724 | 15.681 | 15.748 | PV | 165 | 3762 | 0.03% | 0.002% |
| 220 | 15.790 | 15.748 | 15.873 | VV | 16595 | 273096 | 2.33% | 0.122% |
| 221 | 15.888 | 15.873 | 15.908 | VV | 217 | 3636 | 0.03% | 0.002% |
| 222 | 15.934 | 15.908 | 15.971 | VV | 2625 | 42961 | 0.37% | 0.019% |
| 223 | 16.012 | 15.971 | 16.048 | VV | 1653 | 27620 | 0.24% | 0.012% |
| 224 | 16.063 | 16.048 | 16.134 | VV | 457 | 6485 | 0.06% | 0.003% |
| 225 | 16.163 | 16.134 | 16.180 | PV | 320 | 4459 | 0.04% | 0.002% |
| 226 | 16.185 | 16.180 | 16.191 | VV | 159 | 1007 | 0.01% | 0.000% |
| 227 | 16.205 | 16.191 | 16.226 | VV | 200 | 2452 | 0.02% | 0.001% |
| 228 | 16.264 | 16.226 | 16.290 | PV | 459 | 10295 | 0.09% | 0.005% |
| 229 | 16.316 | 16.290 | 16.341 | VV | 561 | 10357 | 0.09% | 0.005% |
| 230 | 16.353 | 16.341 | 16.372 | VV | 242 | 3140 | 0.03% | 0.001% |
| 231 | 16.442 | 16.372 | 16.482 | VV | 431662 | 5536767 | 47.26% | 2.468% |
| 232 | 16.502 | 16.482 | 16.558 | VV | 518 | 7007 | 0.06% | 0.003% |
| 233 | 16.645 | 16.558 | 16.678 | PV | 915 | 16080 | 0.14% | 0.007% |
| 234 | 16.694 | 16.678 | 16.704 | VV | 58 | 683 | 0.01% | 0.000% |
| 235 | 16.814 | 16.704 | 16.858 | PV | 2767 | 53184 | 0.45% | 0.024% |
| 236 | 16.930 | 16.858 | 16.947 | VV | 402812 | 5908210 | 50.43% | 2.634% |
| 237 | 16.967 | 16.947 | 16.995 | VV | 487231 | 5766552 | 49.22% | 2.571% |
| 238 | 17.005 | 16.995 | 17.027 | VV | 886 | 12733 | 0.11% | 0.006% |
| 239 | 17.054 | 17.027 | 17.103 | VV | 7103 | 103048 | 0.88% | 0.046% |
| 240 | 17.124 | 17.103 | 17.147 | VV | 611 | 10018 | 0.09% | 0.004% |
| 241 | 17.175 | 17.147 | 17.209 | VV | 2949 | 42148 | 0.36% | 0.019% |
| 242 | 17.242 | 17.209 | 17.263 | VV | 959 | 18708 | 0.16% | 0.008% |
| 243 | 17.317 | 17.263 | 17.345 | VV | 416498 | 5646274 | 48.19% | 2.517% |
| 244 | 17.396 | 17.345 | 17.428 | VV | 399334 | 5377018 | 45.89% | 2.397% |
| 245 | 17.445 | 17.428 | 17.505 | VV | 4951 | 80057 | 0.68% | 0.036% |
| 246 | 17.515 | 17.505 | 17.525 | VV | 143 | 1327 | 0.01% | 0.001% |

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|---|---|---|---|---|---|---|---|---|
| 247 | 17.558 | 17.525 | 17.575 | VV | 106 | 2492 | 0.02% | 0.001% |
| 248 | 17.605 | 17.575 | 17.624 | PV | 256 | 4896 | 0.04% | 0.002% |
| 249 | 17.639 | 17.624 | 17.655 | VV | 136 | 1567 | 0.01% | 0.001% |
| 250 | 17.685 | 17.655 | 17.702 | VV | 164 | 2502 | 0.02% | 0.001% |
| 251 | 17.762 | 17.702 | 17.800 | PV | 1290 | 30417 | 0.26% | 0.014% |
| 252 | 17.848 | 17.800 | 17.892 | VV | 3537 | 55660 | 0.48% | 0.025% |
| 253 | 17.933 | 17.892 | 17.968 | PV | 674 | 12782 | 0.11% | 0.006% |
| 254 | 18.010 | 17.968 | 18.045 | VV | 485 | 12178 | 0.10% | 0.005% |
| 255 | 18.078 | 18.045 | 18.104 | VV | 549 | 9037 | 0.08% | 0.004% |
| 256 | 18.179 | 18.104 | 18.205 | PV | 4494 | 71895 | 0.61% | 0.032% |
| 257 | 18.292 | 18.205 | 18.328 | VV | 378967 | 5285394 | 45.11% | 2.356% |
| 258 | 18.339 | 18.328 | 18.348 | VV | 532 | 5601 | 0.05% | 0.002% |
| 259 | 18.379 | 18.348 | 18.425 | VV | 2084 | 38306 | 0.33% | 0.017% |
| 260 | 18.475 | 18.425 | 18.492 | VV | 801 | 16628 | 0.14% | 0.007% |
| 261 | 18.537 | 18.492 | 18.578 | VV | 933 | 30999 | 0.26% | 0.014% |
| 262 | 18.700 | 18.578 | 18.715 | VV | 409372 | 6381518 | 54.47% | 2.845% |
| 263 | 18.737 | 18.715 | 18.788 | VV | 423319 | 5529666 | 47.20% | 2.465% |
| 264 | 18.809 | 18.788 | 18.832 | VV | 1546 | 29031 | 0.25% | 0.013% |
| 265 | 18.846 | 18.832 | 18.897 | VV | 814 | 15788 | 0.13% | 0.007% |
| 266 | 18.959 | 18.897 | 18.990 | PV | 378585 | 5480312 | 46.78% | 2.443% |
| 267 | 19.075 | 18.990 | 19.083 | VV | 198 | 3247 | 0.03% | 0.001% |
| 268 | 19.129 | 19.083 | 19.175 | VV | 372907 | 5100412 | 43.53% | 2.274% |
| 269 | 19.226 | 19.175 | 19.269 | PV | 2081 | 50233 | 0.43% | 0.022% |
| 270 | 19.290 | 19.269 | 19.312 | VV | 655 | 13279 | 0.11% | 0.006% |
| 271 | 19.485 | 19.312 | 19.511 | VV | 9171 | 261662 | 2.23% | 0.117% |
| 272 | 19.528 | 19.511 | 19.578 | VV | 5659 | 153495 | 1.31% | 0.068% |
| 273 | 19.617 | 19.578 | 19.644 | VV | 3460 | 112977 | 0.96% | 0.050% |
| 274 | 19.670 | 19.644 | 19.687 | VV | 3131 | 74738 | 0.64% | 0.033% |
| 275 | 19.726 | 19.687 | 19.743 | VV | 3261 | 99860 | 0.85% | 0.045% |
| 276 | 19.781 | 19.743 | 19.810 | VV | 4094 | 142059 | 1.21% | 0.063% |
| 277 | 19.828 | 19.810 | 19.847 | VV | 3683 | 79802 | 0.68% | 0.036% |
| 278 | 19.917 | 19.847 | 19.958 | VV | 367893 | 5492308 | 46.88% | 2.448% |
| 279 | 19.986 | 19.958 | 20.002 | VV | 5775 | 132829 | 1.13% | 0.059% |
| 280 | 20.021 | 20.002 | 20.055 | VV | 6038 | 168541 | 1.44% | 0.075% |
| 281 | 20.095 | 20.055 | 20.119 | VV | 5410 | 192462 | 1.64% | 0.086% |
| 282 | 20.206 | 20.119 | 20.225 | VV | 5693 | 328027 | 2.80% | 0.146% |
| 283 | 20.280 | 20.225 | 20.313 | VV | 10460 | 403548 | 3.44% | 0.180% |
| 284 | 20.345 | 20.313 | 20.364 | VV | 7070 | 212327 | 1.81% | 0.095% |
| 285 | 20.395 | 20.364 | 20.408 | VV | 7302 | 186937 | 1.60% | 0.083% |
| 286 | 20.458 | 20.408 | 20.489 | VV | 10609 | 391975 | 3.35% | 0.175% |
| 287 | 20.565 | 20.489 | 20.587 | VV | 10289 | 520809 | 4.45% | 0.232% |
| 288 | 20.662 | 20.587 | 20.708 | VV | 347946 | 5641235 | 48.15% | 2.515% |
| 289 | 20.801 | 20.708 | 20.863 | VV | 13865 | 1072747 | 9.16% | 0.478% |
| 290 | 20.906 | 20.863 | 20.945 | VV | 10873 | 519514 | 4.43% | 0.232% |
| 291 | 21.029 | 20.945 | 21.062 | VV | 11401 | 750760 | 6.41% | 0.335% |
| 292 | 21.079 | 21.062 | 21.094 | VV | 10255 | 197475 | 1.69% | 0.088% |
| 293 | 21.108 | 21.094 | 21.125 | VV | 10002 | 184628 | 1.58% | 0.082% |
| 294 | 21.142 | 21.125 | 21.166 | VV | 9971 | 244427 | 2.09% | 0.109% |
| 295 | 21.176 | 21.166 | 21.197 | VV | 9683 | 173042 | 1.48% | 0.077% |
| 296 | 21.232 | 21.197 | 21.272 | VV | 10005 | 431396 | 3.68% | 0.192% |
| 297 | 21.282 | 21.272 | 21.300 | VV | 9273 | 155043 | 1.32% | 0.069% |
| 298 | 21.324 | 21.300 | 21.343 | VV | 9018 | 229445 | 1.96% | 0.102% |
| 299 | 21.353 | 21.343 | 21.382 | VV | 8818 | 203251 | 1.73% | 0.091% |

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|---|---|---|---|---|---|---|---|---|
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| 300 | 21.454 | 21.382 | 21.553 | VV | 272974 | 5710537 | 48.74% | 2.546% |
| 301 | 21.619 | 21.553 | 21.629 | VV | 6613 | 298816 | 2.55% | 0.133% |
| 302 | 21.664 | 21.629 | 21.691 | VV | 6549 | 238423 | 2.04% | 0.106% |
| 303 | 21.772 | 21.691 | 21.840 | VV | 6736 | 556131 | 4.75% | 0.248% |
| 304 | 21.852 | 21.840 | 21.871 | VV | 5500 | 101501 | 0.87% | 0.045% |
| 305 | 21.913 | 21.871 | 21.988 | VV | 5739 | 343444 | 2.93% | 0.153% |
| 306 | 22.006 | 21.988 | 22.019 | VV | 3796 | 68484 | 0.58% | 0.031% |
| 307 | 22.071 | 22.019 | 22.084 | VV | 3817 | 147338 | 1.26% | 0.066% |
| 308 | 22.096 | 22.084 | 22.105 | VV | 3737 | 46465 | 0.40% | 0.021% |
| 309 | 22.134 | 22.105 | 22.277 | VV | 3791 | 286786 | 2.45% | 0.128% |
| 310 | 22.297 | 22.277 | 22.342 | VV | 1731 | 60263 | 0.51% | 0.027% |
| 311 | 22.364 | 22.342 | 22.375 | VV | 1400 | 27197 | 0.23% | 0.012% |
| 312 | 22.462 | 22.375 | 22.589 | VV | 188877 | 4968372 | 42.41% | 2.215% |
| | | | | | Sum of corrected areas: | | 224325058 | |

Aliphatic EPH 061325.M Tue Jul 08 06:16:56 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070725AL\
Data File : FG016233.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 18:01
Operator : YP\AJ
Sample : Q2515-01MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId**
WC-1MSD

Integration File: autoint1.e
Quant Time: Jul 08 02:24:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

| | Compound | R.T. | Response | Conc Units |
|---|---|---|---|---|
| | System Monitoring Compounds | | | |
| 9) | S ortho-Terphenyl (SURR) | 12.098 | 4481342 | 34.732 ug/ml |
| Spiked Amount | 50.000 | Recovery | = | 69.46% |
| 12) | S 1-chlorooctadecane (S... | 13.543 | 3820596 | 37.916 ug/ml |
| Spiked Amount | 50.000 | Recovery | = | 75.83% |
| | Target Compounds | | | |
| 1) | T n-Nonane (C9) | 3.416 | 3397914 | 31.405 ug/ml |
| 2) | T n-Decane (C10) | 4.678 | 3909659 | 35.642 ug/ml |
| 3) | T A~Naphthalene (C11.7) | 6.395 | 5037267 | 42.160 ug/ml |
| 4) | T n-Dodecane (C12) | 6.857 | 4364747 | 39.640 ug/ml |
| 5) | T A~2-methylnaphthalene... | 7.499 | 4991395 | 42.915 ug/ml |
| 6) | T n-Tetradecane (C14) | 8.700 | 4876690 | 44.407 ug/ml |
| 7) | T n-Hexadecane (C16) | 10.319 | 5441311 | 47.802 ug/ml |
| 8) | T n-Octadecane (C18) | 11.773 | 5680223 | 48.793 ug/ml |
| 10) | T n-Eicosane (C20) | 13.095 | 5960121 | 52.369 ug/ml |
| 11) | T n-Heneicosane (C21) | 13.711 | 5748796 | 50.779 ug/ml |
| 13) | T n-Docosane (C22) | 14.302 | 5728779 | 50.393 ug/ml |
| 14) | T n-Tetracosane (C24) | 15.409 | 11720778 | 101.645 ug/ml |
| 15) | T n-Hexacosane (C26) | 16.444 | 5543207 | 48.169 ug/ml |
| 16) | T n-Octacosane (C28) | 17.397 | 5373497 | 47.347 ug/ml |
| 17) | T n-Tricontane (C30) | 18.293 | 5255810 | 45.906 ug/ml |
| 18) | T n-Dotriacontane (C32) | 19.128 | 5083800 | 46.628 ug/ml |
| 19) | T n-Tetratriacontane (C34) | 19.917 | 5228433 | 52.847 ug/ml |
| 20) | T n-Hexatriacontane (C36) | 20.662 | 4935612 | 58.148 ug/ml |
| 21) | T n-Octatriacontane (C38) | 21.456 | 4928636 | 65.287 ug/ml |
| 22) | T n-Tetracontane (C40) | 22.465 | 4874653 | 70.495 ug/ml |

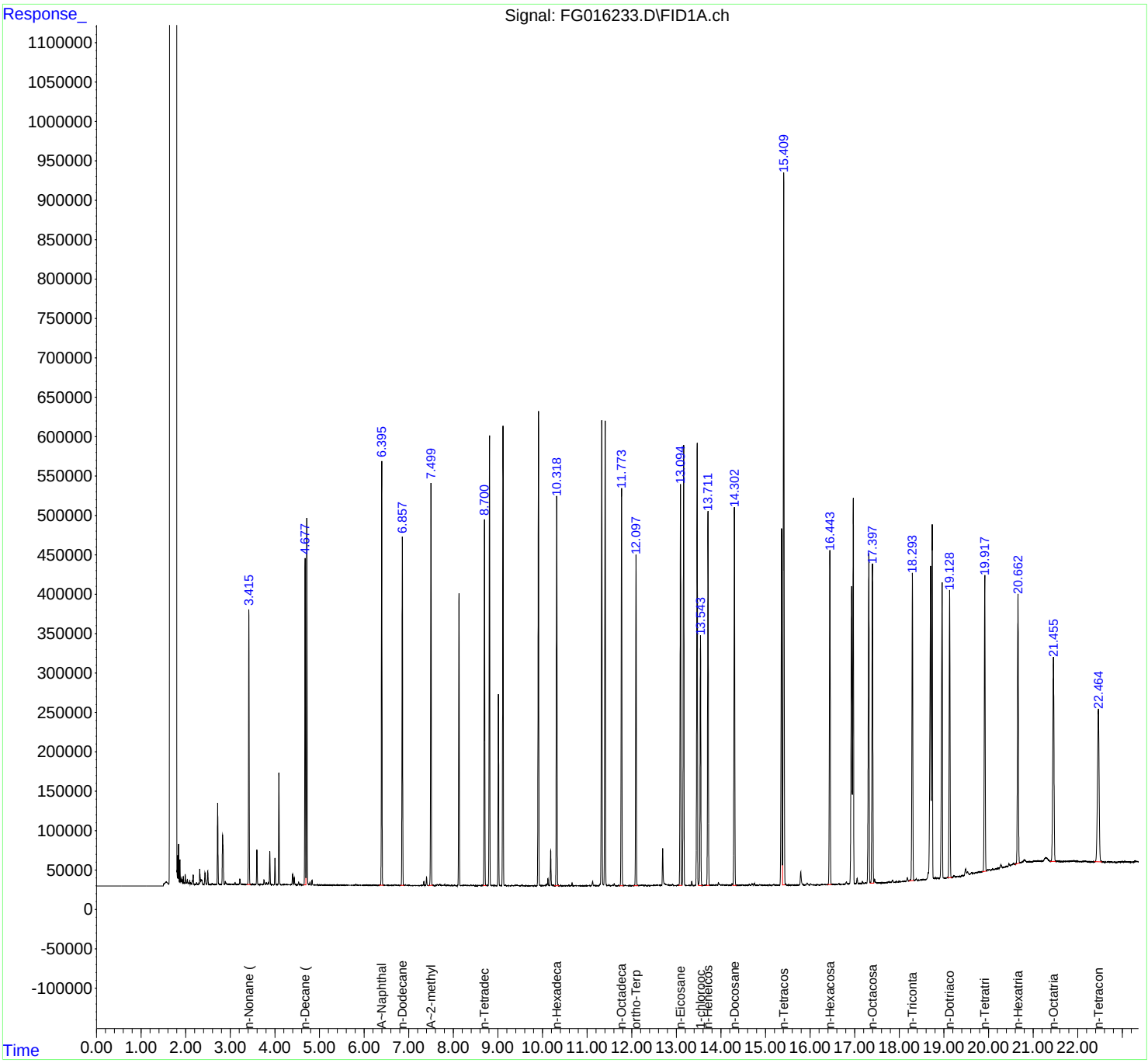
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG070725AL\
Data File : FG016233.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 18:01
Operator : YP\AJ
Sample : Q2515-01MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
FID_G
**ClientSampleId :**
WC-1MSD

Integration File: autoint1.e
Quant Time: Jul 08 02:24:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:52:22 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\FG070725AL\
Data File : FG016233.D
Signal(s) : FID1A.ch
Acq On : 07 Jul 2025 18:01
Sample : Q2515-01MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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 | 3.310 | 3.297 | 3.338 | PV | 236 | 1891 | 0.02% | 0.001% |
| 2 | 3.359 | 3.338 | 3.371 | PV | 155 | 1749 | 0.01% | 0.001% |
| 3 | 3.415 | 3.371 | 3.455 | VV | 348955 | 3404132 | 29.00% | 1.514% |
| 4 | 3.468 | 3.455 | 3.493 | VV | 397 | 5389 | 0.05% | 0.002% |
| 5 | 3.509 | 3.493 | 3.531 | VV | 578 | 7261 | 0.06% | 0.003% |
| 6 | 3.548 | 3.531 | 3.571 | VV | 361 | 6930 | 0.06% | 0.003% |
| 7 | 3.596 | 3.571 | 3.651 | VV | 44135 | 406953 | 3.47% | 0.181% |
| 8 | 3.683 | 3.651 | 3.720 | VV | 574 | 12163 | 0.10% | 0.005% |
| 9 | 3.756 | 3.720 | 3.788 | VV | 6179 | 71328 | 0.61% | 0.032% |
| 10 | 3.807 | 3.788 | 3.827 | VV | 2954 | 35815 | 0.31% | 0.016% |
| 11 | 3.851 | 3.827 | 3.864 | VV | 2644 | 33746 | 0.29% | 0.015% |
| 12 | 3.886 | 3.864 | 3.921 | VV | 42486 | 383845 | 3.27% | 0.171% |
| 13 | 3.927 | 3.921 | 3.975 | VV | 188 | 3130 | 0.03% | 0.001% |
| 14 | 4.002 | 3.975 | 4.039 | VV | 34096 | 305256 | 2.60% | 0.136% |
| 15 | 4.090 | 4.039 | 4.159 | VV | 139876 | 1262363 | 10.75% | 0.562% |
| 16 | 4.184 | 4.159 | 4.199 | VV | 686 | 9320 | 0.08% | 0.004% |
| 17 | 4.215 | 4.199 | 4.235 | VV | 574 | 8418 | 0.07% | 0.004% |
| 18 | 4.261 | 4.235 | 4.348 | VV | 522 | 17914 | 0.15% | 0.008% |
| 19 | 4.359 | 4.348 | 4.368 | VV | 381 | 3484 | 0.03% | 0.002% |
| 20 | 4.397 | 4.368 | 4.418 | VV | 13819 | 164215 | 1.40% | 0.073% |
| 21 | 4.434 | 4.418 | 4.491 | VV | 9484 | 91690 | 0.78% | 0.041% |
| 22 | 4.495 | 4.491 | 4.507 | VV | 183 | 1270 | 0.01% | 0.001% |
| 23 | 4.533 | 4.507 | 4.550 | VV | 3893 | 36983 | 0.32% | 0.016% |
| 24 | 4.558 | 4.550 | 4.602 | VV | 831 | 10577 | 0.09% | 0.005% |
| 25 | 4.611 | 4.602 | 4.638 | VV | 195 | 3470 | 0.03% | 0.002% |
| 26 | 4.678 | 4.638 | 4.696 | VV | 414266 | 3915052 | 33.35% | 1.742% |
| 27 | 4.716 | 4.696 | 4.771 | VV | 459793 | 4431466 | 37.75% | 1.972% |
| 28 | 4.787 | 4.771 | 4.815 | VV | 3812 | 38140 | 0.32% | 0.017% |
| 29 | 4.834 | 4.815 | 4.868 | VV | 6319 | 61769 | 0.53% | 0.027% |
| 30 | 4.898 | 4.868 | 4.938 | VV | 228 | 4820 | 0.04% | 0.002% |
| 31 | 4.954 | 4.938 | 4.975 | VV | 1055 | 10366 | 0.09% | 0.005% |
| 32 | 4.989 | 4.975 | 5.005 | VV | 181 | 1879 | 0.02% | 0.001% |
| 33 | 5.046 | 5.005 | 5.061 | VV | 185 | 3303 | 0.03% | 0.001% |
| 34 | 5.091 | 5.061 | 5.165 | VV | 155 | 5548 | 0.05% | 0.002% |
| 35 | 5.192 | 5.165 | 5.211 | VV | 199 | 3679 | 0.03% | 0.002% |
| 36 | 5.229 | 5.211 | 5.247 | VV | 169 | 1993 | 0.02% | 0.001% |

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|---|---|---|---|---|---|---|---|---|
| 37 | 5.257 | 5.247 | 5.266 | VV | 95 | 749 | 0.01% | 0.000% |
| 38 | 5.304 | 5.266 | 5.323 | VV | 570 | 7566 | 0.06% | 0.003% |
| 39 | 5.335 | 5.323 | 5.368 | VV | 244 | 3399 | 0.03% | 0.002% |
| 40 | 5.387 | 5.368 | 5.409 | PV | 190 | 3006 | 0.03% | 0.001% |
| 41 | 5.431 | 5.409 | 5.451 | VV | 148 | 2597 | 0.02% | 0.001% |
| 42 | 5.468 | 5.451 | 5.514 | VV | 156 | 3174 | 0.03% | 0.001% |
| 43 | 5.550 | 5.514 | 5.564 | VV | 227 | 3451 | 0.03% | 0.002% |
| 44 | 5.581 | 5.564 | 5.602 | VV | 179 | 2244 | 0.02% | 0.001% |
| 45 | 5.619 | 5.602 | 5.640 | PV | 407 | 4194 | 0.04% | 0.002% |
| 46 | 5.657 | 5.640 | 5.683 | VV | 133 | 1870 | 0.02% | 0.001% |
| 47 | 5.695 | 5.683 | 5.708 | VV | 111 | 888 | 0.01% | 0.000% |
| 48 | 5.715 | 5.708 | 5.751 | VV | 63 | 999 | 0.01% | 0.000% |
| 49 | 5.765 | 5.751 | 5.793 | VV | 95 | 1664 | 0.01% | 0.001% |
| 50 | 5.818 | 5.793 | 5.836 | PV | 1253 | 12904 | 0.11% | 0.006% |
| 51 | 5.850 | 5.836 | 5.866 | VV | 447 | 4140 | 0.04% | 0.002% |
| 52 | 5.882 | 5.866 | 5.902 | VV | 280 | 3674 | 0.03% | 0.002% |
| 53 | 5.919 | 5.902 | 5.936 | VV | 233 | 3065 | 0.03% | 0.001% |
| 54 | 5.948 | 5.936 | 5.971 | VV | 128 | 1523 | 0.01% | 0.001% |
| 55 | 5.979 | 5.971 | 6.011 | VV | 34 | 961 | 0.01% | 0.000% |
| 56 | 6.019 | 6.011 | 6.035 | VV | 100 | 969 | 0.01% | 0.000% |
| 57 | 6.055 | 6.035 | 6.113 | VV | 463 | 10118 | 0.09% | 0.005% |
| 58 | 6.135 | 6.113 | 6.163 | VV | 307 | 3544 | 0.03% | 0.002% |
| 59 | 6.186 | 6.163 | 6.218 | PV | 317 | 4235 | 0.04% | 0.002% |
| 60 | 6.232 | 6.218 | 6.253 | VV | 414 | 4423 | 0.04% | 0.002% |
| 61 | 6.273 | 6.253 | 6.310 | VV | 170 | 2665 | 0.02% | 0.001% |
| 62 | 6.329 | 6.310 | 6.341 | VV | 200 | 2612 | 0.02% | 0.001% |
| 63 | 6.395 | 6.341 | 6.431 | VV | 538892 | 5050745 | 43.02% | 2.247% |
| 64 | 6.444 | 6.431 | 6.463 | VV | 582 | 7927 | 0.07% | 0.004% |
| 65 | 6.474 | 6.463 | 6.529 | VV | 344 | 8839 | 0.08% | 0.004% |
| 66 | 6.566 | 6.529 | 6.618 | VV | 255 | 7953 | 0.07% | 0.004% |
| 67 | 6.643 | 6.618 | 6.668 | VV | 235 | 4157 | 0.04% | 0.002% |
| 68 | 6.691 | 6.668 | 6.727 | VV | 1094 | 15314 | 0.13% | 0.007% |
| 69 | 6.739 | 6.727 | 6.778 | VV | 318 | 5291 | 0.05% | 0.002% |
| 70 | 6.784 | 6.778 | 6.820 | VV | 229 | 3866 | 0.03% | 0.002% |
| 71 | 6.857 | 6.820 | 6.911 | VV | 444976 | 4373820 | 37.26% | 1.946% |
| 72 | 6.928 | 6.911 | 6.975 | VV | 878 | 12185 | 0.10% | 0.005% |
| 73 | 7.008 | 6.975 | 7.042 | VV | 280 | 6541 | 0.06% | 0.003% |
| 74 | 7.056 | 7.042 | 7.116 | VV | 96 | 1919 | 0.02% | 0.001% |
| 75 | 7.144 | 7.116 | 7.161 | VV | 163 | 2212 | 0.02% | 0.001% |
| 76 | 7.185 | 7.161 | 7.212 | VV | 78 | 1603 | 0.01% | 0.001% |
| 77 | 7.223 | 7.212 | 7.237 | PV | 88 | 719 | 0.01% | 0.000% |
| 78 | 7.249 | 7.237 | 7.256 | VV | 76 | 484 | 0.00% | 0.000% |
| 79 | 7.279 | 7.256 | 7.301 | VV | 334 | 4074 | 0.03% | 0.002% |
| 80 | 7.339 | 7.301 | 7.374 | VV | 5220 | 51219 | 0.44% | 0.023% |
| 81 | 7.400 | 7.374 | 7.458 | VV | 10724 | 106746 | 0.91% | 0.047% |
| 82 | 7.499 | 7.458 | 7.598 | VV | 507395 | 5009666 | 42.67% | 2.229% |
| 83 | 7.602 | 7.598 | 7.614 | VV | 120 | 784 | 0.01% | 0.000% |
| 84 | 7.637 | 7.614 | 7.675 | VV | 1643 | 24535 | 0.21% | 0.011% |
| 85 | 7.696 | 7.675 | 7.712 | VV | 2027 | 25736 | 0.22% | 0.011% |
| 86 | 7.721 | 7.712 | 7.751 | VV | 1051 | 12480 | 0.11% | 0.006% |
| 87 | 7.773 | 7.751 | 7.791 | VV | 986 | 11340 | 0.10% | 0.005% |
| 88 | 7.807 | 7.791 | 7.832 | VV | 1417 | 15469 | 0.13% | 0.007% |
| 89 | 7.861 | 7.832 | 7.885 | VV | 410 | 8666 | 0.07% | 0.004% |

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| 90 | 7.899 | 7.885 | 7.918 | VV | 323 | 4275 | 0.04% | 0.002% |
| 91 | 7.924 | 7.918 | 7.936 | VV | 126 | 1295 | 0.01% | 0.001% |
| 92 | 7.942 | 7.936 | 7.968 | VV | 102 | 1831 | 0.02% | 0.001% |
| 93 | 7.986 | 7.968 | 8.008 | VV | 584 | 6638 | 0.06% | 0.003% |
| 94 | 8.028 | 8.008 | 8.080 | VV | 486 | 7857 | 0.07% | 0.003% |
| 95 | 8.237 | 8.201 | 8.258 | VV | 502 | 9691 | 0.08% | 0.004% |
| 96 | 8.270 | 8.258 | 8.285 | VV | 659 | 7141 | 0.06% | 0.003% |
| 97 | 8.296 | 8.285 | 8.328 | VV | 425 | 7040 | 0.06% | 0.003% |
| 98 | 8.341 | 8.328 | 8.365 | VV | 166 | 2437 | 0.02% | 0.001% |
| 99 | 8.388 | 8.365 | 8.422 | VV | 1257 | 15451 | 0.13% | 0.007% |
| 100 | 8.445 | 8.422 | 8.504 | VV | 669 | 11224 | 0.10% | 0.005% |
| 101 | 8.513 | 8.504 | 8.533 | VV | 71 | 921 | 0.01% | 0.000% |
| 102 | 8.590 | 8.533 | 8.644 | VV | 367 | 12685 | 0.11% | 0.006% |
| 103 | 8.700 | 8.644 | 8.740 | VV | 465509 | 4894598 | 41.69% | 2.178% |
| 104 | 8.756 | 8.740 | 8.769 | VV | 269 | 3532 | 0.03% | 0.002% |
| 105 | 8.812 | 8.769 | 8.868 | VV | 569316 | 5746601 | 48.95% | 2.557% |
| 106 | 8.883 | 8.868 | 8.898 | VV | 289 | 3768 | 0.03% | 0.002% |
| 107 | 8.928 | 8.898 | 8.964 | VV | 552 | 7989 | 0.07% | 0.004% |
| 108 | 9.051 | 9.045 | 9.081 | VV | 365 | 6010 | 0.05% | 0.003% |
| 109 | 9.115 | 9.081 | 9.151 | VV | 580318 | 5883513 | 50.12% | 2.618% |
| 110 | 9.171 | 9.151 | 9.215 | VV | 509 | 9121 | 0.08% | 0.004% |
| 111 | 9.236 | 9.215 | 9.280 | VV | 243 | 4604 | 0.04% | 0.002% |
| 112 | 9.306 | 9.280 | 9.362 | VV | 506 | 8169 | 0.07% | 0.004% |
| 113 | 9.386 | 9.362 | 9.404 | VV | 1167 | 13397 | 0.11% | 0.006% |
| 114 | 9.426 | 9.404 | 9.491 | VV | 1004 | 21521 | 0.18% | 0.010% |
| 115 | 9.529 | 9.491 | 9.548 | PV | 827 | 9825 | 0.08% | 0.004% |
| 116 | 9.558 | 9.548 | 9.609 | VV | 238 | 4348 | 0.04% | 0.002% |
| 117 | 9.627 | 9.609 | 9.672 | VV | 342 | 4299 | 0.04% | 0.002% |
| 118 | 9.682 | 9.672 | 9.688 | VV | 28 | 341 | 0.00% | 0.000% |
| 119 | 9.696 | 9.688 | 9.701 | PV | 61 | 366 | 0.00% | 0.000% |
| 120 | 9.717 | 9.701 | 9.738 | VV | 138 | 1841 | 0.02% | 0.001% |
| 121 | 9.748 | 9.738 | 9.756 | VV | 81 | 674 | 0.01% | 0.000% |
| 122 | 9.774 | 9.756 | 9.817 | VV | 265 | 4584 | 0.04% | 0.002% |
| 123 | 9.831 | 9.817 | 9.848 | VV | 225 | 2207 | 0.02% | 0.001% |
| 124 | 9.910 | 9.848 | 9.939 | VV | 610230 | 6261755 | 53.34% | 2.786% |
| 125 | 9.951 | 9.939 | 9.979 | VV | 633 | 10022 | 0.09% | 0.004% |
| 126 | 10.010 | 9.979 | 10.030 | VV | 398 | 7718 | 0.07% | 0.003% |
| 127 | 10.053 | 10.030 | 10.067 | VV | 502 | 7763 | 0.07% | 0.003% |
| 128 | 10.090 | 10.067 | 10.105 | VV | 2084 | 28789 | 0.25% | 0.013% |
| 129 | 10.121 | 10.105 | 10.157 | VV | 9328 | 97316 | 0.83% | 0.043% |
| 130 | 10.184 | 10.157 | 10.232 | VV | 45262 | 465522 | 3.97% | 0.207% |
| 131 | 10.250 | 10.232 | 10.273 | VV | 582 | 8367 | 0.07% | 0.004% |
| 132 | 10.318 | 10.273 | 10.374 | VV | 491375 | 5446403 | 46.39% | 2.423% |
| 133 | 10.406 | 10.374 | 10.442 | VV | 478 | 9468 | 0.08% | 0.004% |
| 134 | 10.482 | 10.442 | 10.527 | VV | 208 | 4933 | 0.04% | 0.002% |
| 135 | 10.545 | 10.527 | 10.560 | PV | 215 | 2773 | 0.02% | 0.001% |
| 136 | 10.597 | 10.560 | 10.620 | VV | 461 | 8170 | 0.07% | 0.004% |
| 137 | 10.662 | 10.620 | 10.690 | PV | 4123 | 44123 | 0.38% | 0.020% |
| 138 | 10.708 | 10.690 | 10.724 | VV | 189 | 3072 | 0.03% | 0.001% |
| 139 | 10.760 | 10.724 | 10.791 | VV | 356 | 7823 | 0.07% | 0.003% |
| 140 | 10.798 | 10.791 | 10.818 | VV | 183 | 2008 | 0.02% | 0.001% |
| 141 | 10.836 | 10.818 | 10.860 | VV | 229 | 3869 | 0.03% | 0.002% |

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| 142 | 10.869 | 10.860 | 10.916 | VV | 164 | 3210 | 0.03% | 0.001% |
| 143 | 10.928 | 10.916 | 10.938 | VV | 122 | 1148 | 0.01% | 0.001% |
| 144 | 10.968 | 10.938 | 11.000 | VV | 379 | 8394 | 0.07% | 0.004% |
| 145 | 11.015 | 11.000 | 11.041 | VV | 469 | 5763 | 0.05% | 0.003% |
| 146 | 11.059 | 11.041 | 11.091 | VV | 427 | 6043 | 0.05% | 0.003% |
| 147 | 11.123 | 11.091 | 11.147 | VV | 5762 | 73126 | 0.62% | 0.033% |
| 148 | 11.162 | 11.147 | 11.186 | VV | 598 | 9854 | 0.08% | 0.004% |
| 149 | 11.202 | 11.186 | 11.233 | VV | 302 | 6058 | 0.05% | 0.003% |
| 150 | 11.328 | 11.233 | 11.367 | VV | 589459 | 6508418 | 55.44% | 2.896% |
| 151 | 11.405 | 11.367 | 11.455 | VV | 587428 | 6531031 | 55.63% | 2.906% |
| 152 | 11.475 | 11.455 | 11.501 | VV | 979 | 15090 | 0.13% | 0.007% |
| 153 | 11.511 | 11.501 | 11.551 | VV | 370 | 6581 | 0.06% | 0.003% |
| 154 | 11.572 | 11.551 | 11.590 | VV | 1391 | 16663 | 0.14% | 0.007% |
| 155 | 11.608 | 11.590 | 11.651 | VV | 3000 | 31399 | 0.27% | 0.014% |
| 156 | 11.701 | 11.651 | 11.723 | PV | 357 | 6427 | 0.05% | 0.003% |
| 157 | 11.773 | 11.723 | 11.811 | VV | 493092 | 5684607 | 48.42% | 2.529% |
| 158 | 11.851 | 11.811 | 11.884 | VV | 601 | 13467 | 0.11% | 0.006% |
| 159 | 11.932 | 11.884 | 11.950 | VV | 281 | 6591 | 0.06% | 0.003% |
| 160 | 11.965 | 11.950 | 11.995 | VV | 340 | 4952 | 0.04% | 0.002% |
| 161 | 12.017 | 11.995 | 12.041 | VV | 183 | 2932 | 0.02% | 0.001% |
| 162 | 12.097 | 12.041 | 12.149 | VV | 419429 | 4491575 | 38.26% | 1.998% |
| 163 | 12.166 | 12.149 | 12.177 | VV | 412 | 5684 | 0.05% | 0.003% |
| 164 | 12.192 | 12.177 | 12.209 | VV | 576 | 8571 | 0.07% | 0.004% |
| 165 | 12.228 | 12.209 | 12.271 | VV | 1155 | 23705 | 0.20% | 0.011% |
| 166 | 12.282 | 12.271 | 12.296 | VV | 502 | 5694 | 0.05% | 0.003% |
| 167 | 12.309 | 12.296 | 12.337 | VV | 432 | 6379 | 0.05% | 0.003% |
| 168 | 12.380 | 12.337 | 12.406 | PV | 427 | 7927 | 0.07% | 0.004% |
| 169 | 12.445 | 12.406 | 12.466 | VV | 461 | 10323 | 0.09% | 0.005% |
| 170 | 12.492 | 12.466 | 12.522 | VV | 743 | 18085 | 0.15% | 0.008% |
| 171 | 12.559 | 12.522 | 12.641 | VV | 1038 | 48531 | 0.41% | 0.022% |
| 172 | 12.695 | 12.641 | 12.800 | VV | 47321 | 638096 | 5.44% | 0.284% |
| 173 | 12.811 | 12.800 | 12.866 | VV | 1028 | 30124 | 0.26% | 0.013% |
| 174 | 12.914 | 12.866 | 12.963 | VV | 1766 | 43581 | 0.37% | 0.019% |
| 175 | 12.984 | 12.963 | 12.997 | VV | 293 | 5256 | 0.04% | 0.002% |
| 176 | 13.034 | 12.997 | 13.058 | VV | 671 | 14899 | 0.13% | 0.007% |
| 177 | 13.095 | 13.058 | 13.126 | VV | 510919 | 5977132 | 50.91% | 2.659% |
| 178 | 13.166 | 13.126 | 13.225 | VV | 551844 | 6444784 | 54.90% | 2.867% |
| 179 | 13.239 | 13.225 | 13.255 | VV | 273 | 4102 | 0.03% | 0.002% |
| 180 | 13.264 | 13.255 | 13.274 | VV | 283 | 2689 | 0.02% | 0.001% |
| 181 | 13.289 | 13.274 | 13.314 | VV | 380 | 6675 | 0.06% | 0.003% |
| 182 | 13.346 | 13.314 | 13.381 | VV | 5341 | 62550 | 0.53% | 0.028% |
| 183 | 13.390 | 13.381 | 13.398 | VV | 179 | 1522 | 0.01% | 0.001% |
| 184 | 13.468 | 13.398 | 13.495 | VV | 557431 | 6381661 | 54.36% | 2.839% |
| 185 | 13.542 | 13.495 | 13.618 | VV | 311355 | 3835091 | 32.67% | 1.706% |
| 186 | 13.653 | 13.618 | 13.670 | VV | 542 | 10052 | 0.09% | 0.004% |
| 187 | 13.711 | 13.670 | 13.746 | VV | 475880 | 5763755 | 49.10% | 2.564% |
| 188 | 13.765 | 13.746 | 13.781 | VV | 659 | 11290 | 0.10% | 0.005% |
| 189 | 13.805 | 13.781 | 13.875 | VV | 736 | 31963 | 0.27% | 0.014% |
| 190 | 13.901 | 13.875 | 13.925 | VV | 1196 | 23159 | 0.20% | 0.010% |
| 191 | 13.943 | 13.925 | 14.021 | VV | 3687 | 79509 | 0.68% | 0.035% |
| 192 | 14.045 | 14.021 | 14.069 | VV | 876 | 20714 | 0.18% | 0.009% |
| 193 | 14.088 | 14.069 | 14.109 | VV | 778 | 13939 | 0.12% | 0.006% |
| 194 | 14.140 | 14.109 | 14.181 | VV | 1076 | 25205 | 0.21% | 0.011% |

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|---|---|---|---|---|---|---|---|---|
| 195 | 14.212 | 14.181 | 14.221 | VV | 313 | 6752 | 0.06% | 0.003% |
| 196 | 14.250 | 14.221 | 14.268 | VV | 2555 | 35347 | 0.30% | 0.016% |
| 197 | 14.302 | 14.268 | 14.409 | VV | 477625 | 5745518 | 48.94% | 2.556% |
| 198 | 14.432 | 14.409 | 14.449 | VV | 290 | 4179 | 0.04% | 0.002% |
| 199 | 14.476 | 14.449 | 14.515 | VV | 1081 | 15705 | 0.13% | 0.007% |
| 200 | 14.538 | 14.515 | 14.569 | VV | 385 | 7410 | 0.06% | 0.003% |
| 201 | 14.586 | 14.569 | 14.608 | VV | 141 | 2529 | 0.02% | 0.001% |
| 202 | 14.635 | 14.608 | 14.671 | VV | 1861 | 24813 | 0.21% | 0.011% |
| 203 | 14.699 | 14.671 | 14.721 | VV | 2429 | 36041 | 0.31% | 0.016% |
| 204 | 14.742 | 14.721 | 14.775 | VV | 2399 | 33667 | 0.29% | 0.015% |
| 205 | 14.782 | 14.775 | 14.841 | VV | 233 | 6107 | 0.05% | 0.003% |
| 206 | 14.870 | 14.841 | 14.891 | VV | 1103 | 17193 | 0.15% | 0.008% |
| 207 | 14.905 | 14.891 | 14.951 | VV | 629 | 14571 | 0.12% | 0.006% |
| 208 | 14.971 | 14.951 | 15.007 | VV | 458 | 9866 | 0.08% | 0.004% |
| 209 | 15.024 | 15.007 | 15.053 | VV | 390 | 5264 | 0.04% | 0.002% |
| 210 | 15.087 | 15.053 | 15.124 | PV | 673 | 12042 | 0.10% | 0.005% |
| 211 | 15.179 | 15.124 | 15.196 | PV | 986 | 16358 | 0.14% | 0.007% |
| 212 | 15.207 | 15.196 | 15.231 | VV | 633 | 10060 | 0.09% | 0.004% |
| 213 | 15.253 | 15.231 | 15.313 | VV | 531 | 12785 | 0.11% | 0.006% |
| 214 | 15.361 | 15.313 | 15.381 | VV | 452335 | 6108428 | 52.03% | 2.718% |
| 215 | 15.408 | 15.381 | 15.445 | VV | 900058 | 11739593 | 100.00% | 5.223% |
| 216 | 15.455 | 15.445 | 15.495 | VV | 1329 | 15332 | 0.13% | 0.007% |
| 217 | 15.524 | 15.495 | 15.551 | VV | 202 | 4213 | 0.04% | 0.002% |
| 218 | 15.590 | 15.551 | 15.631 | VV | 303 | 8069 | 0.07% | 0.004% |
| 219 | 15.654 | 15.631 | 15.681 | VV | 241 | 3625 | 0.03% | 0.002% |
| 220 | 15.708 | 15.681 | 15.752 | PV | 155 | 4166 | 0.04% | 0.002% |
| 221 | 15.791 | 15.752 | 15.875 | VV | 16669 | 273977 | 2.33% | 0.122% |
| 222 | 15.889 | 15.875 | 15.904 | VV | 228 | 3092 | 0.03% | 0.001% |
| 223 | 15.933 | 15.904 | 15.971 | VV | 2529 | 43009 | 0.37% | 0.019% |
| 224 | 16.013 | 15.971 | 16.045 | VV | 1592 | 27633 | 0.24% | 0.012% |
| 225 | 16.066 | 16.045 | 16.097 | VV | 453 | 6151 | 0.05% | 0.003% |
| 226 | 16.161 | 16.097 | 16.180 | PV | 302 | 4625 | 0.04% | 0.002% |
| 227 | 16.203 | 16.180 | 16.225 | VV | 184 | 2920 | 0.02% | 0.001% |
| 228 | 16.258 | 16.225 | 16.291 | PV | 489 | 10537 | 0.09% | 0.005% |
| 229 | 16.317 | 16.291 | 16.341 | VV | 647 | 10198 | 0.09% | 0.005% |
| 230 | 16.358 | 16.341 | 16.377 | VV | 234 | 3705 | 0.03% | 0.002% |
| 231 | 16.444 | 16.377 | 16.488 | VV | 420347 | 5554442 | 47.31% | 2.471% |
| 232 | 16.505 | 16.488 | 16.551 | VV | 536 | 7072 | 0.06% | 0.003% |
| 233 | 16.580 | 16.551 | 16.594 | VV | 141 | 1919 | 0.02% | 0.001% |
| 234 | 16.645 | 16.594 | 16.701 | PV | 932 | 16025 | 0.14% | 0.007% |
| 235 | 16.761 | 16.701 | 16.771 | PV | 194 | 3914 | 0.03% | 0.002% |
| 236 | 16.814 | 16.771 | 16.853 | VV | 2715 | 46757 | 0.40% | 0.021% |
| 237 | 16.931 | 16.853 | 16.948 | VV | 378392 | 5902870 | 50.28% | 2.626% |
| 238 | 16.967 | 16.948 | 16.995 | VV | 489371 | 5759266 | 49.06% | 2.562% |
| 239 | 17.007 | 16.995 | 17.027 | VV | 821 | 11834 | 0.10% | 0.005% |
| 240 | 17.055 | 17.027 | 17.104 | VV | 7218 | 99958 | 0.85% | 0.044% |
| 241 | 17.122 | 17.104 | 17.146 | VV | 590 | 9111 | 0.08% | 0.004% |
| 242 | 17.175 | 17.146 | 17.211 | VV | 2885 | 41815 | 0.36% | 0.019% |
| 243 | 17.243 | 17.211 | 17.264 | VV | 963 | 18291 | 0.16% | 0.008% |
| 244 | 17.316 | 17.264 | 17.345 | VV | 424477 | 5643241 | 48.07% | 2.511% |
| 245 | 17.397 | 17.345 | 17.429 | VV | 404425 | 5389048 | 45.90% | 2.398% |
| 246 | 17.446 | 17.429 | 17.501 | VV | 5162 | 82405 | 0.70% | 0.037% |

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|---|---|---|---|---|---|---|---|---|
| 247 | 17.523 | 17.501 | 17.538 | VV | 152 | 2695 | 0.02% | 0.001% |
| 248 | 17.546 | 17.538 | 17.564 | VV | 126 | 1309 | 0.01% | 0.001% |
| 249 | 17.600 | 17.564 | 17.624 | PV | 198 | 3701 | 0.03% | 0.002% |
| 250 | 17.762 | 17.624 | 17.800 | VV | 1294 | 30492 | 0.26% | 0.014% |
| 251 | 17.848 | 17.800 | 17.901 | VV | 3101 | 50215 | 0.43% | 0.022% |
| 252 | 17.935 | 17.901 | 17.962 | PV | 733 | 11543 | 0.10% | 0.005% |
| 253 | 18.010 | 17.962 | 18.048 | VV | 496 | 13292 | 0.11% | 0.006% |
| 254 | 18.077 | 18.048 | 18.104 | VV | 503 | 8748 | 0.07% | 0.004% |
| 255 | 18.180 | 18.104 | 18.207 | PV | 4572 | 72148 | 0.61% | 0.032% |
| 256 | 18.293 | 18.207 | 18.329 | VV | 390080 | 5288109 | 45.05% | 2.353% |
| 257 | 18.379 | 18.329 | 18.425 | VV | 2284 | 52248 | 0.45% | 0.023% |
| 258 | 18.477 | 18.425 | 18.493 | VV | 773 | 16639 | 0.14% | 0.007% |
| 259 | 18.536 | 18.493 | 18.577 | VV | 799 | 25106 | 0.21% | 0.011% |
| 260 | 18.700 | 18.577 | 18.715 | VV | 396875 | 6349818 | 54.09% | 2.825% |
| 261 | 18.737 | 18.715 | 18.787 | VV | 453796 | 5542848 | 47.21% | 2.466% |
| 262 | 18.810 | 18.787 | 18.831 | VV | 1640 | 31351 | 0.27% | 0.014% |
| 263 | 18.848 | 18.831 | 18.872 | VV | 1047 | 19577 | 0.17% | 0.009% |
| 264 | 18.881 | 18.872 | 18.890 | VV | 507 | 4757 | 0.04% | 0.002% |
| 265 | 18.959 | 18.890 | 18.991 | VV | 372921 | 5504005 | 46.88% | 2.449% |
| 266 | 19.018 | 18.991 | 19.031 | VV | 336 | 7398 | 0.06% | 0.003% |
| 267 | 19.075 | 19.031 | 19.083 | VV | 374 | 8367 | 0.07% | 0.004% |
| 268 | 19.128 | 19.083 | 19.183 | VV | 364139 | 5094016 | 43.39% | 2.266% |
| 269 | 19.226 | 19.183 | 19.269 | PV | 2123 | 50562 | 0.43% | 0.022% |
| 270 | 19.288 | 19.269 | 19.315 | VV | 705 | 14648 | 0.12% | 0.007% |
| 271 | 19.348 | 19.315 | 19.358 | VV | 519 | 12234 | 0.10% | 0.005% |
| 272 | 19.486 | 19.358 | 19.513 | VV | 8837 | 244119 | 2.08% | 0.109% |
| 273 | 19.531 | 19.513 | 19.568 | VV | 4902 | 125311 | 1.07% | 0.056% |
| 274 | 19.619 | 19.568 | 19.645 | VV | 3583 | 126712 | 1.08% | 0.056% |
| 275 | 19.670 | 19.645 | 19.686 | VV | 3122 | 72305 | 0.62% | 0.032% |
| 276 | 19.728 | 19.686 | 19.743 | VV | 3431 | 105189 | 0.90% | 0.047% |
| 277 | 19.779 | 19.743 | 19.805 | VV | 4001 | 128225 | 1.09% | 0.057% |
| 278 | 19.916 | 19.805 | 19.959 | VV | 382382 | 5565986 | 47.41% | 2.476% |
| 279 | 19.986 | 19.959 | 20.001 | VV | 5554 | 124980 | 1.06% | 0.056% |
| 280 | 20.021 | 20.001 | 20.045 | VV | 5735 | 136989 | 1.17% | 0.061% |
| 281 | 20.097 | 20.045 | 20.121 | VV | 5639 | 234818 | 2.00% | 0.104% |
| 282 | 20.208 | 20.121 | 20.226 | VV | 5915 | 348970 | 2.97% | 0.155% |
| 283 | 20.276 | 20.226 | 20.314 | VV | 10053 | 390293 | 3.32% | 0.174% |
| 284 | 20.393 | 20.314 | 20.413 | VV | 7055 | 391828 | 3.34% | 0.174% |
| 285 | 20.458 | 20.413 | 20.491 | VV | 10257 | 379315 | 3.23% | 0.169% |
| 286 | 20.562 | 20.491 | 20.587 | VV | 10274 | 519484 | 4.43% | 0.231% |
| 287 | 20.661 | 20.587 | 20.699 | VV | 350201 | 5570846 | 47.45% | 2.478% |
| 288 | 20.801 | 20.699 | 20.819 | VV | 13565 | 816312 | 6.95% | 0.363% |
| 289 | 20.826 | 20.819 | 20.862 | VV | 12165 | 288991 | 2.46% | 0.129% |
| 290 | 20.891 | 20.862 | 20.923 | VV | 10509 | 381379 | 3.25% | 0.170% |
| 291 | 20.941 | 20.923 | 20.968 | VV | 10195 | 271835 | 2.32% | 0.121% |
| 292 | 21.026 | 20.968 | 21.064 | VV | 10908 | 590874 | 5.03% | 0.263% |
| 293 | 21.079 | 21.064 | 21.115 | VV | 10274 | 308963 | 2.63% | 0.137% |
| 294 | 21.141 | 21.115 | 21.184 | VV | 10265 | 410386 | 3.50% | 0.183% |
| 295 | 21.206 | 21.184 | 21.214 | VV | 9542 | 172373 | 1.47% | 0.077% |
| 296 | 21.295 | 21.214 | 21.393 | VV | 13223 | 1160059 | 9.88% | 0.516% |
| 297 | 21.455 | 21.393 | 21.505 | VV | 262138 | 5447156 | 46.40% | 2.423% |
| 298 | 21.522 | 21.505 | 21.545 | VV | 7583 | 179382 | 1.53% | 0.080% |
| 299 | 21.554 | 21.545 | 21.599 | VV | 7337 | 231087 | 1.97% | 0.103% |

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|---|---|---|---|---|---|---|---|---|
| 300 | 21.616 | 21.599 | 21.655 | VV | 6579 | 213369 | 1.82% | 0.095% |
| 301 | 21.708 | 21.655 | 21.731 | VV | 6259 | 285342 | 2.43% | 0.127% |
| 302 | 21.779 | 21.731 | 21.797 | VV | 5952 | 234743 | 2.00% | 0.104% |
| 303 | 21.838 | 21.797 | 21.848 | VV | 5814 | 173086 | 1.47% | 0.077% |
| 304 | 21.905 | 21.848 | 21.961 | VV | 5909 | 380792 | 3.24% | 0.169% |
| 305 | 21.990 | 21.961 | 22.046 | VV | 4909 | 230406 | 1.96% | 0.103% |
| 306 | 22.058 | 22.046 | 22.087 | VV | 4060 | 96765 | 0.82% | 0.043% |
| 307 | 22.113 | 22.087 | 22.130 | VV | 3890 | 95786 | 0.82% | 0.043% |
| 308 | 22.150 | 22.130 | 22.177 | VV | 3869 | 105128 | 0.90% | 0.047% |
| 309 | 22.186 | 22.177 | 22.234 | VV | 3659 | 110557 | 0.94% | 0.049% |
| 310 | 22.267 | 22.234 | 22.298 | VV | 2806 | 102792 | 0.88% | 0.046% |
| 311 | 22.310 | 22.298 | 22.337 | VV | 2474 | 53269 | 0.45% | 0.024% |
| 312 | 22.463 | 22.337 | 22.601 | VBA | 195412 | 5109922 | 43.53% | 2.273% |

Sum of corrected areas: 224773298

Aliphatic EPH 061325.M Tue Jul 08 06:17:26 2025

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# Manual Integration Report

| Sequence: | FE062725AL | Instrument | FID_e |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| 50 PPM ALIPHATIC HC | FE054609.D | n-Octatriacontane (C38) | yogesh | 6/30/2025 7:50:48 AM | mohammad | 6/30/2025 9:33:27 | Peak Integrated by Software |
| 50 PPM ALIPHATIC HC | FE054609.D | n-Tetracontane (C40) | yogesh | 6/30/2025 7:50:48 AM | mohammad | 6/30/2025 9:33:27 | Peak Integrated by Software |
| Q2429-02 | FE054617.D | ortho-Terphenyl (SURR) | yogesh | 6/30/2025 7:50:50 AM | mohammad | 6/30/2025 9:33:27 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE054624.D | n-Hexacosane (C26) | yogesh | 6/30/2025 7:50:52 AM | mohammad | 6/30/2025 9:33:27 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE054624.D | n-Tetracontane (C40) | yogesh | 6/30/2025 7:50:52 AM | mohammad | 6/30/2025 9:33:27 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | FE070725AL | Instrument | FID_e |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| 20 PPM ALIPHATIC HC | FE054697.D | n-Hexatriacontane (C36) | yogesh | 7/7/2025 11:32:52 AM | mohammad | 7/8/2025 9:14:49 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE054697.D | n-Tetracosane (C24) | yogesh | 7/7/2025 11:32:52 AM | mohammad | 7/8/2025 9:14:49 | Peak Integrated by Software |
| Q2491-02DL | FE054702.D | ortho-Terphenyl (SURR) | yogesh | 7/8/2025 7:43:15 AM | mohammad | 7/8/2025 9:14:49 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE054704.D | n-Hexatriacontane (C36) | yogesh | 7/8/2025 7:43:13 AM | mohammad | 7/8/2025 9:14:49 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE054704.D | n-Octatriacontane (C38) | yogesh | 7/8/2025 7:43:13 AM | mohammad | 7/8/2025 9:14:49 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE054704.D | n-Tetracontane (C40) | yogesh | 7/8/2025 7:43:13 AM | mohammad | 7/8/2025 9:14:49 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE054704.D | n-Tetracosane (C24) | yogesh | 7/8/2025 7:43:13 AM | mohammad | 7/8/2025 9:14:49 | Peak Integrated by Software |
| Q2487-14 | FE054710.D | 1-chlorooctadecane (SURR) | yogesh | 7/8/2025 7:43:17 AM | mohammad | 7/8/2025 9:14:49 | Peak Integrated by Software |
| Q2487-16 | FE054712.D | 1-chlorooctadecane (SURR) | yogesh | 7/8/2025 7:43:19 AM | mohammad | 7/8/2025 9:14:49 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE054714.D | n-Dotriacontane (C32) | yogesh | 7/8/2025 7:43:20 AM | mohammad | 7/8/2025 9:14:49 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE054714.D | n-Hexatriacontane (C36) | yogesh | 7/8/2025 7:43:20 AM | mohammad | 7/8/2025 9:14:49 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE054714.D | n-Tetratriacontane (C34) | yogesh | 7/8/2025 7:43:20 AM | mohammad | 7/8/2025 9:14:49 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE054714.D | n-Tricontane (C30) | yogesh | 7/8/2025 7:43:20 AM | mohammad | 7/8/2025 9:14:49 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | FE070725AL | Instrument | FID_e |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| Q2507-01 | FE054717.D | ortho-Terphenyl (SURR) | yogesh | 7/8/2025 7:43:22 AM | mohammad | 7/8/2025 9:14:49 | Peak Integrated by Software |
| Q2507-02 | FE054718.D | ortho-Terphenyl (SURR) | yogesh | 7/8/2025 7:43:24 AM | mohammad | 7/8/2025 9:14:49 | Peak Integrated by Software |
| Q2513-01 | FE054719.D | 1-chlorooctadecane (SURR) | yogesh | 7/8/2025 7:43:26 AM | mohammad | 7/8/2025 9:14:49 | Peak Integrated by Software |
| Q2513-01 | FE054719.D | ortho-Terphenyl (SURR) | yogesh | 7/8/2025 7:43:26 AM | mohammad | 7/8/2025 9:14:49 | Peak Integrated by Software |
| Q2513-02 | FE054720.D | 1-chlorooctadecane (SURR) | yogesh | 7/8/2025 7:43:27 AM | mohammad | 7/8/2025 9:14:49 | Peak Integrated by Software |
| Q2513-02 | FE054720.D | ortho-Terphenyl (SURR) | yogesh | 7/8/2025 7:43:27 AM | mohammad | 7/8/2025 9:14:49 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE054724.D | n-Docosane (C22) | yogesh | 7/8/2025 7:43:40 AM | mohammad | 7/8/2025 9:14:49 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE054724.D | n-Hexatriacontane (C36) | yogesh | 7/8/2025 7:43:40 AM | mohammad | 7/8/2025 9:14:49 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE054724.D | n-Octatriacontane (C38) | yogesh | 7/8/2025 7:43:40 AM | mohammad | 7/8/2025 9:14:49 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE054724.D | n-Tetracosane (C24) | yogesh | 7/8/2025 7:43:40 AM | mohammad | 7/8/2025 9:14:49 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | FG061325AL | 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: | FG070725AL | Instrument | FID_g |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| 20 PPM ALIPHATIC HC | FG016226.D | n-Hexatriacontane (C36) | yogesh | 7/8/2025 8:03:13 AM | mohammad | 7/9/2025 1:51:09 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FG016226.D | n-Tetracontane (C40) | yogesh | 7/8/2025 8:03:13 AM | mohammad | 7/9/2025 1:51:09 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FG016226.D | n-Tetratriacontane (C34) | yogesh | 7/8/2025 8:03:13 AM | mohammad | 7/9/2025 1:51:09 | Peak Integrated by Software |
| PB168738BS | FG016228.D | n-Hexatriacontane (C36) | yogesh | 7/8/2025 8:03:15 AM | mohammad | 7/9/2025 1:51:09 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | FG070825AL | Instrument | FID_g |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| 20 PPM ALIPHATIC HC | FG016238.D | n-Hexatriacontane (C36) | yogesh | 7/9/2025 7:24:32 AM | mohammad | 7/10/2025 2:03:56 | Peak Integrated by Software |

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**Instrument ID: FID_E**

## Daily Analysis Runlog For Sequence/QCBatch ID # FE062725AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 6/27/2025 12:30:13 PM | | |
| Supervise By | mohammad | Supervise On | 6/30/2025 9:33:27 AM | | |
| SubDirectory | FE062725AL | HP Acquire Method | | HP Processing Method | FE062725AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24170,PP24175,PP24176,PP24177,PP24178 |
| CCC | PP24176 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24174,PP24179 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | MECL2 | FE054606.D | 27 Jun 2025 11:53 | YP\AJ | Ok |
| 2 | I.BLK | FE054607.D | 27 Jun 2025 12:23 | YP\AJ | Ok |
| 3 | 100 PPM ALIPHATIC HC STD1 | FE054608.D | 27 Jun 2025 12:53 | YP\AJ | Ok |
| 4 | 50 PPM ALIPHATIC HC STD2 | FE054609.D | 27 Jun 2025 13:23 | YP\AJ | Ok,M |
| 5 | 20 PPM ALIPHATIC HC STD3 | FE054610.D | 27 Jun 2025 13:53 | YP\AJ | Ok |
| 6 | 10 PPM ALIPHATIC HC STD4 | FE054611.D | 27 Jun 2025 14:23 | YP\AJ | Ok |
| 7 | 5 PPM ALIPHATIC HC STD5 | FE054612.D | 27 Jun 2025 14:54 | YP\AJ | Ok |
| 8 | 20 PPM ALIPHATIC HC STD ICV | FE054613.D | 27 Jun 2025 15:24 | YP\AJ | Ok |
| 9 | I.BLK | FE054614.D | 27 Jun 2025 15:54 | YP\AJ | Ok |
| 10 | 20 PPM ALIPHATIC HC STD | FE054615.D | 27 Jun 2025 16:24 | YP\AJ | Ok |
| 11 | Q2429-01 | FE054616.D | 27 Jun 2025 16:54 | YP\AJ | Ok |
| 12 | Q2429-02 | FE054617.D | 27 Jun 2025 17:25 | YP\AJ | Ok,M |
| 13 | Q2431-01 | FE054618.D | 27 Jun 2025 17:55 | YP\AJ | Ok |
| 14 | Q2431-02 | FE054619.D | 27 Jun 2025 18:25 | YP\AJ | Not Ok |
| 15 | Q2431-03 | FE054620.D | 27 Jun 2025 18:55 | YP\AJ | Ok |
| 16 | Q2431-04 | FE054621.D | 27 Jun 2025 19:25 | YP\AJ | Ok |
| 17 | Q2431-05 | FE054622.D | 27 Jun 2025 19:56 | YP\AJ | Not Ok |
| 18 | I.BLK | FE054623.D | 27 Jun 2025 20:56 | YP\AJ | Ok |
| 19 | 20 PPM ALIPHATIC HC STD | FE054624.D | 27 Jun 2025 22:57 | YP\AJ | Ok,M |

M : Manual Integration

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**Instrument ID: FID_E**

## Daily Analysis Runlog For Sequence/QCBatch ID # FE070725AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 7/7/2025 11:20:48 AM | | |
| Supervise By | mohammad | Supervise On | 7/8/2025 9:14:49 AM | | |
| SubDirectory | FE070725AL | HP Acquire Method | | HP Processing Method | FE062725AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24170,PP24175,PP24176,PP24177,PP24178 |
| CCC | PP24176 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24174,PP24179 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | MECL2 | FE054695.D | 07 Jul 2025 08:46 | YP\AJ | Ok |
| 2 | I.BLK | FE054696.D | 07 Jul 2025 09:17 | YP\AJ | Ok |
| 3 | 20 PPM ALIPHATIC HC STD | FE054697.D | 07 Jul 2025 09:47 | YP\AJ | Ok,M |
| 4 | Q2480-05DL | FE054698.D | 07 Jul 2025 10:24 | YP\AJ | Ok |
| 5 | Q2491-01 | FE054699.D | 07 Jul 2025 10:55 | YP\AJ | Dilution |
| 6 | Q2491-02 | FE054700.D | 07 Jul 2025 11:25 | YP\AJ | Dilution |
| 7 | Q2491-01DL | FE054701.D | 07 Jul 2025 11:56 | YP\AJ | Ok |
| 8 | Q2491-02DL | FE054702.D | 07 Jul 2025 12:26 | YP\AJ | Ok,M |
| 9 | I.BLK | FE054703.D | 07 Jul 2025 13:27 | YP\AJ | Ok |
| 10 | 20 PPM ALIPHATIC HC STD | FE054704.D | 07 Jul 2025 13:58 | YP\AJ | Ok,M |
| 11 | Q2487-09 | FE054705.D | 07 Jul 2025 14:59 | YP\AJ | Ok |
| 12 | Q2487-10 | FE054706.D | 07 Jul 2025 15:29 | YP\AJ | Ok |
| 13 | Q2487-11 | FE054707.D | 07 Jul 2025 16:00 | YP\AJ | Dilution |
| 14 | Q2487-12 | FE054708.D | 07 Jul 2025 16:30 | YP\AJ | Ok |
| 15 | Q2487-13 | FE054709.D | 07 Jul 2025 17:01 | YP\AJ | Dilution |
| 16 | Q2487-14 | FE054710.D | 07 Jul 2025 17:32 | YP\AJ | Dilution |
| 17 | Q2487-15 | FE054711.D | 07 Jul 2025 18:02 | YP\AJ | Dilution |
| 18 | Q2487-16 | FE054712.D | 07 Jul 2025 18:33 | YP\AJ | Dilution |
| 19 | I.BLK | FE054713.D | 07 Jul 2025 19:34 | YP\AJ | Ok |
| 20 | 20 PPM ALIPHATIC HC STD | FE054714.D | 07 Jul 2025 20:35 | YP\AJ | Ok,M |
| 21 | Q2503-03 | FE054715.D | 07 Jul 2025 21:05 | YP\AJ | Ok |

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**Instrument ID: FID_E**

## Daily Analysis Runlog For Sequence/QCBatch ID # FE070725AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 7/7/2025 11:20:48 AM | | |
| Supervise By | mohammad | Supervise On | 7/8/2025 9:14:49 AM | | |
| SubDirectory | FE070725AL | HP Acquire Method | | HP Processing Method | FE062725AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24170,PP24175,PP24176,PP24177,PP24178 |
| CCC | PP24176 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24174,PP24179 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q2503-04 | FE054716.D | 07 Jul 2025 21:36 | YP\AJ | Ok |
| 23 | Q2507-01 | FE054717.D | 07 Jul 2025 22:06 | YP\AJ | Dilution |
| 24 | Q2507-02 | FE054718.D | 07 Jul 2025 22:36 | YP\AJ | Dilution |
| 25 | Q2513-01 | FE054719.D | 07 Jul 2025 23:07 | YP\AJ | Dilution |
| 26 | Q2513-02 | FE054720.D | 07 Jul 2025 23:37 | YP\AJ | Dilution |
| 27 | Q2513-03 | FE054721.D | 08 Jul 2025 00:08 | YP\AJ | Dilution |
| 28 | Q2513-04 | FE054722.D | 08 Jul 2025 00:38 | YP\AJ | Not Ok |
| 29 | I.BLK | FE054723.D | 08 Jul 2025 01:39 | YP\AJ | Ok |
| 30 | 20 PPM ALIPHATIC HC STD | FE054724.D | 08 Jul 2025 02:09 | YP\AJ | Ok,M |

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**Instrument ID: FID_G**

## Daily Analysis Runlog For Sequence/QCBatch ID # FG061325AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 6/13/2025 12:52:17 PM | | |
| Supervise By | mohammad | Supervise On | 6/17/2025 3:40:36 AM | | |
| SubDirectory | FG061325AL | HP Acquire Method | | HP Processing Method | FG061325AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24170,PP24175,PP24176,PP24177,PP24178 |
| CCC | PP24176 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24174,PP24179 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | MECL2 | FG016069.D | 13 Jun 2025 13:06 | YP\AJ | Ok |
| 2 | I.BLK | FG016070.D | 13 Jun 2025 13:35 | YP\AJ | Ok |
| 3 | 100 PPM ALIPHATIC HC STD1 | FG016071.D | 13 Jun 2025 14:05 | YP\AJ | Ok |
| 4 | 50 PPM ALIPHATIC HC STD2 | FG016072.D | 13 Jun 2025 14:34 | YP\AJ | Ok |
| 5 | 20 PPM ALIPHATIC HC STD3 | FG016073.D | 13 Jun 2025 15:03 | YP\AJ | Ok |
| 6 | 10 PPM ALIPHATIC HC STD4 | FG016074.D | 13 Jun 2025 15:33 | YP\AJ | Ok |
| 7 | 5 PPM ALIPHATIC HC STD5 | FG016075.D | 13 Jun 2025 16:02 | YP\AJ | Ok |
| 8 | 20 PPM ALIPHATIC HC STD ICV | FG016076.D | 13 Jun 2025 16:31 | YP\AJ | Ok |
| 9 | I.BLK | FG016077.D | 13 Jun 2025 17:30 | YP\AJ | Ok |
| 10 | 20 PPM ALIPHATIC HC STD | FG016078.D | 13 Jun 2025 18:00 | YP\AJ | Ok |

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**Instrument ID: FID_G**

## Daily Analysis Runlog For Sequence/QCBatch ID # FG070725AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 7/7/2025 12:23:40 PM | | |
| Supervise By | mohammad | Supervise On | 7/9/2025 1:51:09 AM | | |
| SubDirectory | FG070725AL | HP Acquire Method | | HP Processing Method | FG061325AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24170,PP24175,PP24176,PP24177,PP24178 |
| CCC | PP24176 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24174,PP24179 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | MECL2 | FG016224.D | 07 Jul 2025 09:19 | YP\AJ | Ok |
| 2 | I.BLK | FG016225.D | 07 Jul 2025 09:49 | YP\AJ | Ok |
| 3 | 20 PPM ALIPHATIC HC STD | FG016226.D | 07 Jul 2025 10:55 | YP\AJ | Ok,M |
| 4 | PB168738BL | FG016227.D | 07 Jul 2025 15:02 | YP\AJ | Ok |
| 5 | PB168738BS | FG016228.D | 07 Jul 2025 15:32 | YP\AJ | Not Ok |
| 6 | PB168738BSD | FG016229.D | 07 Jul 2025 16:02 | YP\AJ | Not Ok |
| 7 | Q2515-01 | FG016230.D | 07 Jul 2025 16:32 | YP\AJ | Ok |
| 8 | Q2515-01D | FG016231.D | 07 Jul 2025 17:01 | YP\AJ | Ok |
| 9 | Q2515-01MS | FG016232.D | 07 Jul 2025 17:31 | YP\AJ | Ok |
| 10 | Q2515-01MSD | FG016233.D | 07 Jul 2025 18:01 | YP\AJ | Ok |
| 11 | I.BLK | FG016234.D | 07 Jul 2025 19:01 | YP\AJ | Ok |
| 12 | 20 PPM ALIPHATIC HC STD | FG016235.D | 07 Jul 2025 19:30 | YP\AJ | Ok |

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**Instrument ID: FID_G**

## Daily Analysis Runlog For Sequence/QCBatch ID # FG070825AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 7/8/2025 1:12:39 PM | | |
| Supervise By | mohammad | Supervise On | 7/10/2025 2:03:56 AM | | |
| SubDirectory | FG070825AL | HP Acquire Method | | HP Processing Method | FG061325AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24170,PP24175,PP24176,PP24177,PP24178 |
| CCC | PP24176 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24174,PP24179 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | MECL2 | FG016236.D | 08 Jul 2025 09:18 | YP\AJ | Ok |
| 2 | I.BLK | FG016237.D | 08 Jul 2025 09:48 | YP\AJ | Ok |
| 3 | 20 PPM ALIPHATIC HC STD | FG016238.D | 08 Jul 2025 10:17 | YP\AJ | Ok,M |
| 4 | PB168738BS | FG016239.D | 08 Jul 2025 10:54 | YP\AJ | Ok |
| 5 | PB168738BSD | FG016240.D | 08 Jul 2025 11:25 | YP\AJ | Ok |
| 6 | I.BLK | FG016241.D | 08 Jul 2025 11:55 | YP\AJ | Ok |
| 7 | 20 PPM ALIPHATIC HC STD | FG016242.D | 08 Jul 2025 12:54 | YP\AJ | Ok |

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**Instrument ID:** FID_E

## Daily Analysis Runlog For Sequence/QCBatch ID # FE062725AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 6/27/2025 12:30:13 PM | | |
| Supervise By | mohammad | Supervise On | 6/30/2025 9:33:27 AM | | |
| SubDirectory | FE062725AL | HP Acquire Method | | HP Processing Method | FE062725AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24170,PP24175,PP24176,PP24177,PP24178 |
| CCC | PP24176 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24174,PP24179 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | MECL2 | MECL2 | FE054606.D | 27 Jun 2025 11:53 | | YP\AJ | Ok |
| 2 | I.BLK | I.BLK | FE054607.D | 27 Jun 2025 12:23 | | YP\AJ | Ok |
| 3 | 100 PPM ALIPHATIC H | 100 PPM ALIPHATIC H | FE054608.D | 27 Jun 2025 12:53 | | YP\AJ | Ok |
| 4 | 50 PPM ALIPHATIC HC | 50 PPM ALIPHATIC HC | FE054609.D | 27 Jun 2025 13:23 | | YP\AJ | Ok,M |
| 5 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE054610.D | 27 Jun 2025 13:53 | | YP\AJ | Ok |
| 6 | 10 PPM ALIPHATIC HC | 10 PPM ALIPHATIC HC | FE054611.D | 27 Jun 2025 14:23 | | YP\AJ | Ok |
| 7 | 5 PPM ALIPHATIC HC | 5 PPM ALIPHATIC HC | FE054612.D | 27 Jun 2025 14:54 | | YP\AJ | Ok |
| 8 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE054613.D | 27 Jun 2025 15:24 | | YP\AJ | Ok |
| 9 | I.BLK | I.BLK | FE054614.D | 27 Jun 2025 15:54 | | YP\AJ | Ok |
| 10 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE054615.D | 27 Jun 2025 16:24 | | YP\AJ | Ok |
| 11 | Q2429-01 | TP-4 | FE054616.D | 27 Jun 2025 16:54 | | YP\AJ | Ok |
| 12 | Q2429-02 | TP-4-EPH | FE054617.D | 27 Jun 2025 17:25 | | YP\AJ | Ok,M |
| 13 | Q2431-01 | S-1 | FE054618.D | 27 Jun 2025 17:55 | | YP\AJ | Ok |
| 14 | Q2431-02 | Q2431-02 | FE054619.D | 27 Jun 2025 18:25 | Need to run again | YP\AJ | Not Ok |
| 15 | Q2431-03 | S-3 | FE054620.D | 27 Jun 2025 18:55 | | YP\AJ | Ok |
| 16 | Q2431-04 | S-4 | FE054621.D | 27 Jun 2025 19:25 | | YP\AJ | Ok |
| 17 | Q2431-05 | Q2431-05 | FE054622.D | 27 Jun 2025 19:56 | Need to run again | YP\AJ | Not Ok |
| 18 | I.BLK | I.BLK | FE054623.D | 27 Jun 2025 20:56 | | YP\AJ | Ok |

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**Instrument ID:** FID_E

## Daily Analysis Runlog For Sequence/QCBatch ID # FE062725AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 6/27/2025 12:30:13 PM | | |
| Supervise By | mohammad | Supervise On | 6/30/2025 9:33:27 AM | | |
| SubDirectory | FE062725AL | HP Acquire Method | | HP Processing Method | FE062725AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24170,PP24175,PP24176,PP24177,PP24178 |
| CCC | PP24176 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24174,PP24179 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE054624.D | 27 Jun 2025 22:57 | | YP\AJ | Ok,M |

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**Instrument ID:** FID_E

## Daily Analysis Runlog For Sequence/QCBatch ID # FE070725AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 7/7/2025 11:20:48 AM | | |
| Supervise By | mohammad | Supervise On | 7/8/2025 9:14:49 AM | | |
| SubDirectory | FE070725AL | HP Acquire Method | | HP Processing Method | FE062725AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24170,PP24175,PP24176,PP24177,PP24178 |
| CCC | PP24176 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24174,PP24179 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | MECL2 | MECL2 | FE054695.D | 07 Jul 2025 08:46 | | YP\AJ | Ok |
| 2 | I.BLK | I.BLK | FE054696.D | 07 Jul 2025 09:17 | | YP\AJ | Ok |
| 3 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE054697.D | 07 Jul 2025 09:47 | | YP\AJ | Ok,M |
| 4 | Q2480-05DL | GPX5DL | FE054698.D | 07 Jul 2025 10:24 | | YP\AJ | Ok |
| 5 | Q2491-01 | EO-1-070225 | FE054699.D | 07 Jul 2025 10:55 | Need 10x | YP\AJ | Dilution |
| 6 | Q2491-02 | EO-1-070225-E2 | FE054700.D | 07 Jul 2025 11:25 | Need 10x | YP\AJ | Dilution |
| 7 | Q2491-01DL | EO-1-070225DL | FE054701.D | 07 Jul 2025 11:56 | | YP\AJ | Ok |
| 8 | Q2491-02DL | EO-1-070225-E2DL | FE054702.D | 07 Jul 2025 12:26 | | YP\AJ | Ok,M |
| 9 | I.BLK | I.BLK | FE054703.D | 07 Jul 2025 13:27 | | YP\AJ | Ok |
| 10 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE054704.D | 07 Jul 2025 13:58 | | YP\AJ | Ok,M |
| 11 | Q2487-09 | G4(0-6) | FE054705.D | 07 Jul 2025 14:59 | | YP\AJ | Ok |
| 12 | Q2487-10 | G4(6-12) | FE054706.D | 07 Jul 2025 15:29 | | YP\AJ | Ok |
| 13 | Q2487-11 | G3(0-6) | FE054707.D | 07 Jul 2025 16:00 | need 5x dilution | YP\AJ | Dilution |
| 14 | Q2487-12 | G3(6-12) | FE054708.D | 07 Jul 2025 16:30 | | YP\AJ | Ok |
| 15 | Q2487-13 | G2(0-6) | FE054709.D | 07 Jul 2025 17:01 | need 2x dilution | YP\AJ | Dilution |
| 16 | Q2487-14 | G2(6-12) | FE054710.D | 07 Jul 2025 17:32 | need 5x dilution | YP\AJ | Dilution |
| 17 | Q2487-15 | G1(0-6) | FE054711.D | 07 Jul 2025 18:02 | need 5x dilution | YP\AJ | Dilution |
| 18 | Q2487-16 | G1(6-12) | FE054712.D | 07 Jul 2025 18:33 | need 5x dilution | YP\AJ | Dilution |

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**Instrument ID:** FID_E

## Daily Analysis Runlog For Sequence/QCBatch ID # FE070725AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 7/7/2025 11:20:48 AM | | |
| Supervise By | mohammad | Supervise On | 7/8/2025 9:14:49 AM | | |
| SubDirectory | FE070725AL | HP Acquire Method | | HP Processing Method | FE062725AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24170,PP24175,PP24176,PP24177,PP24178 |
| CCC | PP24176 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24174,PP24179 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | I.BLK | I.BLK | FE054713.D | 07 Jul 2025 19:34 | | YP\AJ | Ok |
| 20 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE054714.D | 07 Jul 2025 20:35 | | YP\AJ | Ok,M |
| 21 | Q2503-03 | GCAP2 | FE054715.D | 07 Jul 2025 21:05 | | YP\AJ | Ok |
| 22 | Q2503-04 | GCAP3 | FE054716.D | 07 Jul 2025 21:36 | | YP\AJ | Ok |
| 23 | Q2507-01 | SU-04-07032025 | FE054717.D | 07 Jul 2025 22:06 | need 5x dilution | YP\AJ | Dilution |
| 24 | Q2507-02 | SU-04-07032025-EPH | FE054718.D | 07 Jul 2025 22:36 | need 2x dilution | YP\AJ | Dilution |
| 25 | Q2513-01 | HR-2-070325 | FE054719.D | 07 Jul 2025 23:07 | need 10x dilution | YP\AJ | Dilution |
| 26 | Q2513-02 | HR-2-070325-E2 | FE054720.D | 07 Jul 2025 23:37 | need 10x dilution | YP\AJ | Dilution |
| 27 | Q2513-03 | HR-3-070325 | FE054721.D | 08 Jul 2025 00:08 | need 2x dilution | YP\AJ | Dilution |
| 28 | Q2513-04 | HR-3-070325-E2 | FE054722.D | 08 Jul 2025 00:38 | need 2x dilution | YP\AJ | Not Ok |
| 29 | I.BLK | I.BLK | FE054723.D | 08 Jul 2025 01:39 | | YP\AJ | Ok |
| 30 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE054724.D | 08 Jul 2025 02:09 | | YP\AJ | Ok,M |

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**Instrument ID:** FID_G

## Daily Analysis Runlog For Sequence/QCBatch ID # FG061325AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 6/13/2025 12:52:17 PM | | |
| Supervise By | mohammad | Supervise On | 6/17/2025 3:40:36 AM | | |
| SubDirectory | FG061325AL | HP Acquire Method | | HP Processing Method | FG061325AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24170,PP24175,PP24176,PP24177,PP24178 |
| CCC | PP24176 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24174,PP24179 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | MECL2 | MECL2 | FG016069.D | 13 Jun 2025 13:06 | | YP\AJ | Ok |
| 2 | I.BLK | I.BLK | FG016070.D | 13 Jun 2025 13:35 | | YP\AJ | Ok |
| 3 | 100 PPM ALIPHATIC H | 100 PPM ALIPHATIC H | FG016071.D | 13 Jun 2025 14:05 | | YP\AJ | Ok |
| 4 | 50 PPM ALIPHATIC HC | 50 PPM ALIPHATIC HC | FG016072.D | 13 Jun 2025 14:34 | | YP\AJ | Ok |
| 5 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FG016073.D | 13 Jun 2025 15:03 | | YP\AJ | Ok |
| 6 | 10 PPM ALIPHATIC HC | 10 PPM ALIPHATIC HC | FG016074.D | 13 Jun 2025 15:33 | | YP\AJ | Ok |
| 7 | 5 PPM ALIPHATIC HC | 5 PPM ALIPHATIC HC | FG016075.D | 13 Jun 2025 16:02 | | YP\AJ | Ok |
| 8 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FG016076.D | 13 Jun 2025 16:31 | | YP\AJ | Ok |
| 9 | I.BLK | I.BLK | FG016077.D | 13 Jun 2025 17:30 | | YP\AJ | Ok |
| 10 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FG016078.D | 13 Jun 2025 18:00 | | YP\AJ | Ok |

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Fax : 908 789 8922



**Instrument ID:** FID_G

## Daily Analysis Runlog For Sequence/QCBatch ID # FG070725AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 7/7/2025 12:23:40 PM | | |
| Supervise By | mohammad | Supervise On | 7/9/2025 1:51:09 AM | | |
| SubDirectory | FG070725AL | HP Acquire Method | | HP Processing Method | FG061325AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24170,PP24175,PP24176,PP24177,PP24178 |
| CCC | PP24176 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24174,PP24179 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | MECL2 | MECL2 | FG016224.D | 07 Jul 2025 09:19 | | YP\AJ | Ok |
| 2 | I.BLK | I.BLK | FG016225.D | 07 Jul 2025 09:49 | | YP\AJ | Ok |
| 3 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FG016226.D | 07 Jul 2025 10:55 | | YP\AJ | Ok,M |
| 4 | PB168738BL | PB168738BL | FG016227.D | 07 Jul 2025 15:02 | | YP\AJ | Ok |
| 5 | PB168738BS | PB168738BS | FG016228.D | 07 Jul 2025 15:32 | Recovery fail | YP\AJ | Not Ok |
| 6 | PB168738BSD | PB168738BSD | FG016229.D | 07 Jul 2025 16:02 | Recovery fail | YP\AJ | Not Ok |
| 7 | Q2515-01 | WC-1 | FG016230.D | 07 Jul 2025 16:32 | | YP\AJ | Ok |
| 8 | Q2515-01D | Q2515-01D | FG016231.D | 07 Jul 2025 17:01 | | YP\AJ | Ok |
| 9 | Q2515-01MS | WC-1MS | FG016232.D | 07 Jul 2025 17:31 | FG016230.D | YP\AJ | Ok |
| 10 | Q2515-01MSD | WC-1MSD | FG016233.D | 07 Jul 2025 18:01 | FG016230.D!FG016232.D | YP\AJ | Ok |
| 11 | I.BLK | I.BLK | FG016234.D | 07 Jul 2025 19:01 | | YP\AJ | Ok |
| 12 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FG016235.D | 07 Jul 2025 19:30 | | YP\AJ | Ok |

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Fax : 908 789 8922



**Instrument ID:** FID_G

## Daily Analysis Runlog For Sequence/QCBatch ID # FG070825AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 7/8/2025 1:12:39 PM | | |
| Supervise By | mohammad | Supervise On | 7/10/2025 2:03:56 AM | | |
| SubDirectory | FG070825AL | HP Acquire Method | | HP Processing Method | FG061325AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24170,PP24175,PP24176,PP24177,PP24178 |
| CCC | PP24176 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24174,PP24179 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | MECL2 | MECL2 | FG016236.D | 08 Jul 2025 09:18 | | YP\AJ | Ok |
| 2 | I.BLK | I.BLK | FG016237.D | 08 Jul 2025 09:48 | | YP\AJ | Ok |
| 3 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FG016238.D | 08 Jul 2025 10:17 | | YP\AJ | Ok,M |
| 4 | PB168738BS | PB168738BS | FG016239.D | 08 Jul 2025 10:54 | | YP\AJ | Ok |
| 5 | PB168738BSD | PB168738BSD | FG016240.D | 08 Jul 2025 11:25 | | YP\AJ | Ok |
| 6 | I.BLK | I.BLK | FG016241.D | 08 Jul 2025 11:55 | | YP\AJ | Ok |
| 7 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FG016242.D | 08 Jul 2025 12:54 | | YP\AJ | Ok |

M : Manual Integration

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**EXTRACTION LOGPAGE**

PB168738

| | | | | | |
|---|---|---|---|---|---|
| **SOP ID:** | MNJDEP-EPH-8 | | | | |
| **Clean Up SOP #:** | N/A | | | **Extraction Start Date :** | 07/07/2025 |
| **Matrix :** | Solid | | | **Extraction Start Time :** | 09:30 |
| **Weigh By:** | EH | **Extraction By:** | RJ | **Extraction End Date :** | 07/07/2025 |
| **Balance check:** | RJ | **Filter By:** | RJ | **Extraction End Time :** | 13:45 |
| **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 | PP24625 |
| Surrogate | 1.0ML | 100 PPM | PP24652 |
| Fractionation Surrogate | 1.0ML | 100 PPM | PP24673 |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| MeCl2/Acetone/1:1 | N/A | EP2612 |
| Baked Na2SO4 | N/A | EP2624 |
| Hexane | N/A | E3947 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

**Extraction Conformance/Non-Conformance Comments:**

N/A

| | | | |
|---|---|---|---|
| **KD Bath ID:** | N/A | **Envap ID:** | NEVAP-02 |
| **KD Bath Temperature:** | N/A | **Envap Temperature:** | 40 °C |

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 7/7/25 | RJ (EDL-Lobby) | Y-P-PE)HFCB, |
| 13:50 | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB168738**

**Analytical Method:** MNJDEP-EPH-8

**Concentration Date:** 07/07/2025

| Sample ID | Client Sample ID | Test | g / mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB168738BL | PB168738BL | EPH_NF | 30.02 | N/A | ritesh | Evelyn | 2 | | | U1-1 |
| PB168738BS | PB168738BS | EPH_NF | 30.03 | N/A | ritesh | Evelyn | 2 | | | 2 |
| PB168738BSD | PB168738BSD | EPH_NF | 30.01 | N/A | ritesh | Evelyn | 2 | | | 3 |
| Q2503-03 | GCAP2 | EPH_NF | 30.06 | N/A | ritesh | Evelyn | 2 | E | | 4 |
| Q2503-04 | GCAP3 | EPH_NF | 30.08 | N/A | ritesh | Evelyn | 2 | E | | 5 |
| Q2507-01 | SU-04-7.3-2025 | EPH_NF | 30.03 | N/A | ritesh | Evelyn | 2 | B | | 6 |
| Q2507-02 | SU-04-7.3-2025-EPH | EPH_NF | 30.07 | N/A | ritesh | Evelyn | 2 | | | U2-1 |
| Q2513-01 | HR-2-070325 | EPH_NF | 30.06 | N/A | ritesh | Evelyn | 2 | E | | 2 |
| Q2513-02 | HR-2-070325-E2 | EPH_NF | 30.02 | N/A | ritesh | Evelyn | 2 | | | 3 |
| Q2513-03 | HR-3-070325 | EPH_NF | 30.01 | N/A | ritesh | Evelyn | 2 | E | | 4 |
| Q2513-04 | HR-3-070325-E2 | EPH_NF | 30.04 | N/A | ritesh | Evelyn | 2 | | | 5 |
| Q2515-01 | WC-1 | EPH_NF | 30.06 | N/A | ritesh | Evelyn | 2 | E | | 6 |
| Q2515-01DUP | WC-1DUP | EPH_NF | 30.07 | N/A | ritesh | Evelyn | 2 | E | | U3-1 |
| Q2515-01MS | WC-1MS | EPH_NF | 30.05 | N/A | ritesh | Evelyn | 2 | E | | 2 |
| Q2515-01MSD | WC-1MSD | EPH_NF | 30.02 | N/A | ritesh | Evelyn | 2 | E | | 3 |

* **Extracts relinguished on the same date as received.**

168735
9:30

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** Q2515 **WorkList ID :** 190568 **Department :** Extraction **Date :** 07-07-2025 09:21:55

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q2503-03 | GCAP2 | Solid | EPH_NF | Cool 4 deg C | GENV01 | O11 | 07/02/2025 | NJEPH |
| Q2503-04 | GCAP3 | Solid | EPH_NF | Cool 4 deg C | GENV01 | O11 | 07/02/2025 | NJEPH |
| Q2507-01 | SU-04-7.3-2025 | Solid | EPH_NF | Cool 4 deg C | PSEG03 | O12 | 07/04/2025 | NJEPH |
| Q2507-02 | SU-04-7.3-2025-EPH | Solid | EPH_NF | Cool 4 deg C | PSEG03 | O12 | 07/04/2025 | NJEPH |
| Q2513-01 | HR-2-070325 | Solid | EPH_NF | Cool 4 deg C | PSEG05 | O21 | 07/03/2025 | NJEPH |
| Q2513-02 | HR-2-070325-E2 | Solid | EPH_NF | Cool 4 deg C | PSEG05 | O21 | 07/03/2025 | NJEPH |
| Q2513-03 | HR-3-070325 | Solid | EPH_NF | Cool 4 deg C | PSEG05 | O21 | 07/03/2025 | NJEPH |
| Q2513-04 | HR-3-070325-E2 | Solid | EPH_NF | Cool 4 deg C | PSEG05 | O21 | 07/03/2025 | NJEPH |
| Q2515-01 | wc-1 | Solid | EPH_NF | Cool 4 deg C | ENVO01 | O23 | 07/03/2025 | NJEPH |

**Date/Time** 07/07/25 9:25
**Raw Sample Received by:** RJ (CEXA-KEB)
**Raw Sample Relinquished by:** JT (SM)

**Date/Time** 07/07/25 9:40
**Raw Sample Received by:** JT (SM)
**Raw Sample Relinquished by:** RJ (CEXA-KEB)

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q2503 | **OrderDate:** | 7/3/2025 11:38:00 AM |
| **Client:** | G Environmental | **Project:** | Capra |
| **Contact:** | Gary Landis | **Location:** | O11,VOA Lab |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q2503-03** | **GCAP2** | **Solid** | | | **07/02/25** | | | **07/03/25** |
| | | | EPH_NF | NJEPH | | 07/07/25 | 07/07/25 | |
| **Q2503-04** | **GCAP3** | **Solid** | | | **07/02/25** | | | **07/03/25** |
| | | | EPH_NF | NJEPH | | 07/07/25 | 07/07/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q2503 **Order ID:** Q2503

**Client:** G Environmental **Project ID:** Capra

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID : GCAP2W** | | | | | | | | |
| Q2503-01 | GCAP2W | Water | Aluminum | 112000 | D | 28.4 | 250 | ug/L |
| Q2503-01 | GCAP2W | Water | Antimony | 41.0 | JD | 16.9 | 125 | ug/L |
| Q2503-01 | GCAP2W | Water | Arsenic | 157 | D | 12.8 | 50.0 | ug/L |
| Q2503-01 | GCAP2W | Water | Barium | 4570 | D | 36.4 | 250 | ug/L |
| Q2503-01 | GCAP2W | Water | Beryllium | 12.2 | JD | 1.40 | 15.0 | ug/L |
| Q2503-01 | GCAP2W | Water | Cadmium | 11.0 | JD | 1.25 | 15.0 | ug/L |
| Q2503-01 | GCAP2W | Water | Calcium | 230000 | D | 585 | 5000 | ug/L |
| Q2503-01 | GCAP2W | Water | Chromium | 253 | D | 5.30 | 25.0 | ug/L |
| Q2503-01 | GCAP2W | Water | Cobalt | 166 | D | 5.65 | 75.0 | ug/L |
| Q2503-01 | GCAP2W | Water | Copper | 3480 | D | 11.5 | 50.0 | ug/L |
| Q2503-01 | GCAP2W | Water | Iron | 217000 | D | 58.5 | 250 | ug/L |
| Q2503-01 | GCAP2W | Water | Lead | 12900 | D | 5.75 | 30.0 | ug/L |
| Q2503-01 | GCAP2W | Water | Magnesium | 18700 | D | 610 | 5000 | ug/L |
| Q2503-01 | GCAP2W | Water | Manganese | 3580 | D | 14.9 | 50.0 | ug/L |
| Q2503-01 | GCAP2W | Water | Mercury | 72.5 | D | 1.90 | 5.00 | ug/L |
| Q2503-01 | GCAP2W | Water | Nickel | 551 | D | 7.65 | 100 | ug/L |
| Q2503-01 | GCAP2W | Water | Potassium | 16900 | D | 2300 | 5000 | ug/L |
| Q2503-01 | GCAP2W | Water | Selenium | 46.2 | JD | 24.1 | 50.0 | ug/L |
| Q2503-01 | GCAP2W | Water | Silver | 24.8 | JD | 4.05 | 25.0 | ug/L |
| Q2503-01 | GCAP2W | Water | Sodium | 20700 | D | 2170 | 5000 | ug/L |
| Q2503-01 | GCAP2W | Water | Thallium | 19.5 | JD | 10.9 | 100 | ug/L |
| Q2503-01 | GCAP2W | Water | Vanadium | 499 | D | 15.7 | 100 | ug/L |
| Q2503-01 | GCAP2W | Water | Zinc | 11700 | D | 8.75 | 100 | ug/L |
| **Client ID : GCAP2A** | | | | | | | | |
| Q2503-05 | GCAP2A | SOIL | Aluminum | 3240 | | 0.95 | 5.65 | mg/Kg |
| Q2503-05 | GCAP2A | SOIL | Antimony | 2.74 | J | 0.25 | 2.82 | mg/Kg |
| Q2503-05 | GCAP2A | SOIL | Arsenic | 14.4 | | 0.22 | 1.13 | mg/Kg |
| Q2503-05 | GCAP2A | SOIL | Barium | 192 | | 0.82 | 5.65 | mg/Kg |
| Q2503-05 | GCAP2A | SOIL | Beryllium | 0.50 | | 0.028 | 0.34 | mg/Kg |
| Q2503-05 | GCAP2A | SOIL | Cadmium | 0.43 | | 0.027 | 0.34 | mg/Kg |
| Q2503-05 | GCAP2A | SOIL | Calcium | 7890 | | 12.5 | 113 | mg/Kg |
| Q2503-05 | GCAP2A | SOIL | Chromium | 12.3 | | 0.053 | 0.56 | mg/Kg |
| Q2503-05 | GCAP2A | SOIL | Cobalt | 7.54 | | 0.11 | 1.69 | mg/Kg |
| Q2503-05 | GCAP2A | SOIL | Copper | 2670 | | 0.25 | 1.13 | mg/Kg |
| Q2503-05 | GCAP2A | SOIL | Iron | 13100 | | 4.51 | 5.65 | mg/Kg |
| Q2503-05 | GCAP2A | SOIL | Lead | 387 | | 0.15 | 0.68 | mg/Kg |
| Q2503-05 | GCAP2A | SOIL | Magnesium | 468 | | 13.6 | 113 | mg/Kg |

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# Hit Summary Sheet
**SW-846**

| | | | |
|---|---|---|---|
| **SDG No.:** | Q2503 | **Order ID:** | Q2503 |
| **Client:** | G Environmental | **Project ID:** | Capra |

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| Q2503-05 | GCAP2A | SOIL | Manganese | 142 | | 0.16 | 1.13 | mg/Kg |
| Q2503-05 | GCAP2A | SOIL | Mercury | 4.69 | D | 0.090 | 0.16 | mg/Kg |
| Q2503-05 | GCAP2A | SOIL | Nickel | 18.7 | | 0.15 | 2.26 | mg/Kg |
| Q2503-05 | GCAP2A | SOIL | Potassium | 400 | | 31.3 | 113 | mg/Kg |
| Q2503-05 | GCAP2A | SOIL | Selenium | 3.46 | | 0.29 | 1.13 | mg/Kg |
| Q2503-05 | GCAP2A | SOIL | Silver | 23.8 | | 0.14 | 0.56 | mg/Kg |
| Q2503-05 | GCAP2A | SOIL | Sodium | 195 | | 20.1 | 113 | mg/Kg |
| Q2503-05 | GCAP2A | SOIL | Vanadium | 32.5 | | 0.28 | 2.26 | mg/Kg |
| Q2503-05 | GCAP2A | SOIL | Zinc | 610 | | 0.12 | 2.26 | mg/Kg |

# SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 07/02/25 |
| Project: | Capra | Date Received: | 07/03/25 |
| Client Sample ID: | GCAP2W | SDG No.: | Q2503 |
| Lab Sample ID: | Q2503-01 | Matrix: | Water |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 112000 | D | 5 | 28.4 | 250 | ug/L | 07/07/25 10:15 | 07/09/25 19:08 | 6010D | SW3010 |
| 7440-36-0 | Antimony | 41.0 | JD | 5 | 16.9 | 125 | ug/L | 07/07/25 10:15 | 07/09/25 19:08 | 6010D | SW3010 |
| 7440-38-2 | Arsenic | 157 | D | 5 | 12.8 | 50.0 | ug/L | 07/07/25 10:15 | 07/09/25 19:08 | 6010D | SW3010 |
| 7440-39-3 | Barium | 4570 | D | 5 | 36.4 | 250 | ug/L | 07/07/25 10:15 | 07/09/25 19:08 | 6010D | SW3010 |
| 7440-41-7 | Beryllium | 12.2 | JD | 5 | 1.40 | 15.0 | ug/L | 07/07/25 10:15 | 07/09/25 19:08 | 6010D | SW3010 |
| 7440-43-9 | Cadmium | 11.0 | JD | 5 | 1.25 | 15.0 | ug/L | 07/07/25 10:15 | 07/09/25 19:08 | 6010D | SW3010 |
| 7440-70-2 | Calcium | 230000 | D | 5 | 585 | 5000 | ug/L | 07/07/25 10:15 | 07/09/25 19:08 | 6010D | SW3010 |
| 7440-47-3 | Chromium | 253 | D | 5 | 5.30 | 25.0 | ug/L | 07/07/25 10:15 | 07/09/25 19:08 | 6010D | SW3010 |
| 7440-48-4 | Cobalt | 166 | D | 5 | 5.65 | 75.0 | ug/L | 07/07/25 10:15 | 07/09/25 19:08 | 6010D | SW3010 |
| 7440-50-8 | Copper | 3480 | D | 5 | 11.5 | 50.0 | ug/L | 07/07/25 10:15 | 07/09/25 19:08 | 6010D | SW3010 |
| 7439-89-6 | Iron | 217000 | D | 5 | 58.5 | 250 | ug/L | 07/07/25 10:15 | 07/09/25 19:08 | 6010D | SW3010 |
| 7439-92-1 | Lead | 12900 | D | 5 | 5.75 | 30.0 | ug/L | 07/07/25 10:15 | 07/09/25 19:08 | 6010D | SW3010 |
| 7439-95-4 | Magnesium | 18700 | D | 5 | 610 | 5000 | ug/L | 07/07/25 10:15 | 07/09/25 19:08 | 6010D | SW3010 |
| 7439-96-5 | Manganese | 3580 | DN | 5 | 14.9 | 50.0 | ug/L | 07/07/25 10:15 | 07/09/25 19:08 | 6010D | SW3010 |
| 7439-97-6 | Mercury | 72.5 | DN | 25 | 1.90 | 5.00 | ug/L | 07/08/25 08:10 | 07/09/25 13:28 | 7470A | |
| 7440-02-0 | Nickel | 551 | D | 5 | 7.65 | 100 | ug/L | 07/07/25 10:15 | 07/09/25 19:08 | 6010D | SW3010 |
| 7440-09-7 | Potassium | 16900 | D | 5 | 2300 | 5000 | ug/L | 07/07/25 10:15 | 07/09/25 19:08 | 6010D | SW3010 |
| 7782-49-2 | Selenium | 46.2 | JD | 5 | 24.1 | 50.0 | ug/L | 07/07/25 10:15 | 07/09/25 19:08 | 6010D | SW3010 |
| 7440-22-4 | Silver | 24.8 | JD | 5 | 4.05 | 25.0 | ug/L | 07/07/25 10:15 | 07/09/25 19:08 | 6010D | SW3010 |
| 7440-23-5 | Sodium | 20700 | D | 5 | 2170 | 5000 | ug/L | 07/07/25 10:15 | 07/09/25 19:08 | 6010D | SW3010 |
| 7440-28-0 | Thallium | 19.5 | JD | 5 | 10.9 | 100 | ug/L | 07/07/25 10:15 | 07/09/25 19:08 | 6010D | SW3010 |
| 7440-62-2 | Vanadium | 499 | D | 5 | 15.7 | 100 | ug/L | 07/07/25 10:15 | 07/09/25 19:08 | 6010D | SW3010 |
| 7440-66-6 | Zinc | 11700 | D | 5 | 8.75 | 100 | ug/L | 07/07/25 10:15 | 07/09/25 19:08 | 6010D | SW3010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Brown | Clarity Before: | Cloudy | Texture: | |
| Color After: | Colorless | Clarity After: | Clear | Artifacts: | |
| Comments: | Mercury | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 07/02/25 |
| Project: | Capra | Date Received: | 07/03/25 |
| Client Sample ID: | GCAP2A | SDG No.: | Q2503 |
| Lab Sample ID: | Q2503-05 | Matrix: | SOIL |
| Level (low/med): | low | % Solid: | 77 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units(Dry Weight) | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 3240 | | 1 | 0.95 | 5.65 | mg/Kg | 07/07/25 10:05 | 07/09/25 19:21 | 6010D | SW3050 |
| 7440-36-0 | Antimony | 2.74 | JN | 1 | 0.25 | 2.82 | mg/Kg | 07/07/25 10:05 | 07/09/25 19:21 | 6010D | SW3050 |
| 7440-38-2 | Arsenic | 14.4 | | 1 | 0.22 | 1.13 | mg/Kg | 07/07/25 10:05 | 07/09/25 19:21 | 6010D | SW3050 |
| 7440-39-3 | Barium | 192 | | 1 | 0.82 | 5.65 | mg/Kg | 07/07/25 10:05 | 07/09/25 19:21 | 6010D | SW3050 |
| 7440-41-7 | Beryllium | 0.50 | N | 1 | 0.028 | 0.34 | mg/Kg | 07/07/25 10:05 | 07/09/25 19:21 | 6010D | SW3050 |
| 7440-43-9 | Cadmium | 0.43 | | 1 | 0.027 | 0.34 | mg/Kg | 07/07/25 10:05 | 07/09/25 19:21 | 6010D | SW3050 |
| 7440-70-2 | Calcium | 7890 | | 1 | 12.5 | 113 | mg/Kg | 07/07/25 10:05 | 07/09/25 19:21 | 6010D | SW3050 |
| 7440-47-3 | Chromium | 12.3 | | 1 | 0.053 | 0.56 | mg/Kg | 07/07/25 10:05 | 07/09/25 19:21 | 6010D | SW3050 |
| 7440-48-4 | Cobalt | 7.54 | N | 1 | 0.11 | 1.69 | mg/Kg | 07/07/25 10:05 | 07/09/25 19:21 | 6010D | SW3050 |
| 7440-50-8 | Copper | 2670 | N | 1 | 0.25 | 1.13 | mg/Kg | 07/07/25 10:05 | 07/09/25 19:21 | 6010D | SW3050 |
| 7439-89-6 | Iron | 13100 | | 1 | 4.51 | 5.65 | mg/Kg | 07/07/25 10:05 | 07/09/25 19:21 | 6010D | SW3050 |
| 7439-92-1 | Lead | 387 | * | 1 | 0.15 | 0.68 | mg/Kg | 07/07/25 10:05 | 07/09/25 19:21 | 6010D | SW3050 |
| 7439-95-4 | Magnesium | 468 | | 1 | 13.6 | 113 | mg/Kg | 07/07/25 10:05 | 07/09/25 19:21 | 6010D | SW3050 |
| 7439-96-5 | Manganese | 142 | * | 1 | 0.16 | 1.13 | mg/Kg | 07/07/25 10:05 | 07/09/25 19:21 | 6010D | SW3050 |
| 7439-97-6 | Mercury | 4.69 | D | 10 | 0.090 | 0.16 | mg/Kg | 07/07/25 08:30 | 07/07/25 12:55 | 7471B | |
| 7440-02-0 | Nickel | 18.7 | | 1 | 0.15 | 2.26 | mg/Kg | 07/07/25 10:05 | 07/09/25 19:21 | 6010D | SW3050 |
| 7440-09-7 | Potassium | 400 | | 1 | 31.3 | 113 | mg/Kg | 07/07/25 10:05 | 07/09/25 19:21 | 6010D | SW3050 |
| 7782-49-2 | Selenium | 3.46 | N | 1 | 0.29 | 1.13 | mg/Kg | 07/07/25 10:05 | 07/09/25 19:21 | 6010D | SW3050 |
| 7440-22-4 | Silver | 23.8 | N | 1 | 0.14 | 0.56 | mg/Kg | 07/07/25 10:05 | 07/09/25 19:21 | 6010D | SW3050 |
| 7440-23-5 | Sodium | 195 | N | 1 | 20.1 | 113 | mg/Kg | 07/07/25 10:05 | 07/09/25 19:21 | 6010D | SW3050 |
| 7440-28-0 | Thallium | 0.26 | U | 1 | 0.26 | 2.26 | mg/Kg | 07/07/25 10:05 | 07/09/25 19:21 | 6010D | SW3050 |
| 7440-62-2 | Vanadium | 32.5 | N* | 1 | 0.28 | 2.26 | mg/Kg | 07/07/25 10:05 | 07/09/25 19:21 | 6010D | SW3050 |
| 7440-66-6 | Zinc | 610 | | 1 | 0.12 | 2.26 | mg/Kg | 07/07/25 10:05 | 07/09/25 19:21 | 6010D | SW3050 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Brown | Clarity Before: | | Texture: | Medium |
| Color After: | Yellow | Clarity After: | | Artifacts: | |
| Comments: | Mercury | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **ICB17** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 07/07/2025 | 11:56 | LB136380 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB54** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 07/07/2025 | 12:00 | LB136380 |
| **CCB55** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 07/07/2025 | 12:36 | LB136380 |
| **CCB56** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 07/07/2025 | 13:00 | LB136380 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **ICB22** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 07/09/2025 | 11:46 | LB136403 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB70** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 07/09/2025 | 11:50 | LB136403 |
| **CCB71** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 07/09/2025 | 12:20 | LB136403 |
| **CCB72** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 07/09/2025 | 12:58 | LB136403 |
| **CCB73** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 07/09/2025 | 13:33 | LB136403 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| ICB01 | Aluminum | 31.1 | +/-50 | J | 100 | P | 07/09/2025 | 10:22 | LB136407 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/09/2025 | 10:22 | LB136407 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/09/2025 | 10:22 | LB136407 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/09/2025 | 10:22 | LB136407 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/09/2025 | 10:22 | LB136407 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/09/2025 | 10:22 | LB136407 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/09/2025 | 10:22 | LB136407 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/09/2025 | 10:22 | LB136407 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/09/2025 | 10:22 | LB136407 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/09/2025 | 10:22 | LB136407 |
| | Iron | 25.4 | +/-50 | J | 100 | P | 07/09/2025 | 10:22 | LB136407 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/09/2025 | 10:22 | LB136407 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/09/2025 | 10:22 | LB136407 |
| | Manganese | 7.46 | +/-10 | J | 20.0 | P | 07/09/2025 | 10:22 | LB136407 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/09/2025 | 10:22 | LB136407 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/09/2025 | 10:22 | LB136407 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/09/2025 | 10:22 | LB136407 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 07/09/2025 | 10:22 | LB136407 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/09/2025 | 10:22 | LB136407 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/09/2025 | 10:22 | LB136407 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/09/2025 | 10:22 | LB136407 |
| | Zinc | 4.21 | +/-20 | J | 40.0 | P | 07/09/2025 | 10:22 | LB136407 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 07/09/2025 | 10:57 | LB136407 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/09/2025 | 10:57 | LB136407 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/09/2025 | 10:57 | LB136407 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/09/2025 | 10:57 | LB136407 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/09/2025 | 10:57 | LB136407 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/09/2025 | 10:57 | LB136407 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/09/2025 | 10:57 | LB136407 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/09/2025 | 10:57 | LB136407 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/09/2025 | 10:57 | LB136407 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/09/2025 | 10:57 | LB136407 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/09/2025 | 10:57 | LB136407 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/09/2025 | 10:57 | LB136407 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/09/2025 | 10:57 | LB136407 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/09/2025 | 10:57 | LB136407 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/09/2025 | 10:57 | LB136407 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/09/2025 | 10:57 | LB136407 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/09/2025 | 10:57 | LB136407 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 07/09/2025 | 10:57 | LB136407 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/09/2025 | 10:57 | LB136407 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/09/2025 | 10:57 | LB136407 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/09/2025 | 10:57 | LB136407 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/09/2025 | 10:57 | LB136407 |
| **CCB02** | Aluminum | 27.5 | +/-50 | J | 100 | P | 07/09/2025 | 11:56 | LB136407 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/09/2025 | 11:56 | LB136407 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/09/2025 | 11:56 | LB136407 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/09/2025 | 11:56 | LB136407 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/09/2025 | 11:56 | LB136407 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/09/2025 | 11:56 | LB136407 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/09/2025 | 11:56 | LB136407 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/09/2025 | 11:56 | LB136407 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/09/2025 | 11:56 | LB136407 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/09/2025 | 11:56 | LB136407 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/09/2025 | 11:56 | LB136407 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/09/2025 | 11:56 | LB136407 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/09/2025 | 11:56 | LB136407 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/09/2025 | 11:56 | LB136407 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/09/2025 | 11:56 | LB136407 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/09/2025 | 11:56 | LB136407 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/09/2025 | 11:56 | LB136407 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 07/09/2025 | 11:56 | LB136407 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/09/2025 | 11:56 | LB136407 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/09/2025 | 11:56 | LB136407 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/09/2025 | 11:56 | LB136407 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/09/2025 | 11:56 | LB136407 |
| **CCB03** | Aluminum | 65.9 | +/-50 | J* | 100 | P | 07/09/2025 | 12:58 | LB136407 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/09/2025 | 12:58 | LB136407 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/09/2025 | 12:58 | LB136407 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/09/2025 | 12:58 | LB136407 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/09/2025 | 12:58 | LB136407 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/09/2025 | 12:58 | LB136407 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/09/2025 | 12:58 | LB136407 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/09/2025 | 12:58 | LB136407 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/09/2025 | 12:58 | LB136407 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/09/2025 | 12:58 | LB136407 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/09/2025 | 12:58 | LB136407 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/09/2025 | 12:58 | LB136407 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/09/2025 | 12:58 | LB136407 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/09/2025 | 12:58 | LB136407 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/09/2025 | 12:58 | LB136407 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/09/2025 | 12:58 | LB136407 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/09/2025 | 12:58 | LB136407 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 07/09/2025 | 12:58 | LB136407 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/09/2025 | 12:58 | LB136407 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/09/2025 | 12:58 | LB136407 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/09/2025 | 12:58 | LB136407 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/09/2025 | 12:58 | LB136407 |
| **CCB04** | Aluminum | 47.3 | +/-50 | J | 100 | P | 07/09/2025 | 14:28 | LB136407 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/09/2025 | 14:28 | LB136407 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/09/2025 | 14:28 | LB136407 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/09/2025 | 14:28 | LB136407 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/09/2025 | 14:28 | LB136407 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/09/2025 | 14:28 | LB136407 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/09/2025 | 14:28 | LB136407 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/09/2025 | 14:28 | LB136407 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/09/2025 | 14:28 | LB136407 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/09/2025 | 14:28 | LB136407 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/09/2025 | 14:28 | LB136407 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/09/2025 | 14:28 | LB136407 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 07/09/2025 | 14:28 | LB136407 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/09/2025 | 14:28 | LB136407 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/09/2025 | 14:28 | LB136407 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/09/2025 | 14:28 | LB136407 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/09/2025 | 14:28 | LB136407 |
| | Silver | 7.86 | +/-5 | J* | 10.0 | P | 07/09/2025 | 14:28 | LB136407 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/09/2025 | 14:28 | LB136407 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/09/2025 | 14:28 | LB136407 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/09/2025 | 14:28 | LB136407 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/09/2025 | 14:28 | LB136407 |
| **CCB05** | Aluminum | 26.6 | +/-50 | J | 100 | P | 07/09/2025 | 15:33 | LB136407 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/09/2025 | 15:33 | LB136407 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/09/2025 | 15:33 | LB136407 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/09/2025 | 15:33 | LB136407 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/09/2025 | 15:33 | LB136407 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/09/2025 | 15:33 | LB136407 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/09/2025 | 15:33 | LB136407 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/09/2025 | 15:33 | LB136407 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/09/2025 | 15:33 | LB136407 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/09/2025 | 15:33 | LB136407 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/09/2025 | 15:33 | LB136407 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/09/2025 | 15:33 | LB136407 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/09/2025 | 15:33 | LB136407 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/09/2025 | 15:33 | LB136407 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/09/2025 | 15:33 | LB136407 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/09/2025 | 15:33 | LB136407 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/09/2025 | 15:33 | LB136407 |
| | Silver | 6.92 | +/-5 | J* | 10.0 | P | 07/09/2025 | 15:33 | LB136407 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/09/2025 | 15:33 | LB136407 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/09/2025 | 15:33 | LB136407 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/09/2025 | 15:33 | LB136407 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/09/2025 | 15:33 | LB136407 |
| **CCB06** | Aluminum | 18.8 | +/-50 | J | 100 | P | 07/09/2025 | 16:43 | LB136407 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/09/2025 | 16:43 | LB136407 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/09/2025 | 16:43 | LB136407 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/09/2025 | 16:43 | LB136407 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/09/2025 | 16:43 | LB136407 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/09/2025 | 16:43 | LB136407 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/09/2025 | 16:43 | LB136407 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 07/09/2025 | 16:43 | LB136407 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/09/2025 | 16:43 | LB136407 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/09/2025 | 16:43 | LB136407 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/09/2025 | 16:43 | LB136407 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/09/2025 | 16:43 | LB136407 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/09/2025 | 16:43 | LB136407 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/09/2025 | 16:43 | LB136407 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/09/2025 | 16:43 | LB136407 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/09/2025 | 16:43 | LB136407 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/09/2025 | 16:43 | LB136407 |
| | Silver | 3.51 | +/-5 | J | 10.0 | P | 07/09/2025 | 16:43 | LB136407 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/09/2025 | 16:43 | LB136407 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/09/2025 | 16:43 | LB136407 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/09/2025 | 16:43 | LB136407 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/09/2025 | 16:43 | LB136407 |
| **CCB07** | Aluminum | 11.3 | +/-50 | U | 100 | P | 07/09/2025 | 17:54 | LB136407 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/09/2025 | 17:54 | LB136407 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/09/2025 | 17:54 | LB136407 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/09/2025 | 17:54 | LB136407 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/09/2025 | 17:54 | LB136407 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/09/2025 | 17:54 | LB136407 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/09/2025 | 17:54 | LB136407 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/09/2025 | 17:54 | LB136407 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/09/2025 | 17:54 | LB136407 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/09/2025 | 17:54 | LB136407 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/09/2025 | 17:54 | LB136407 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/09/2025 | 17:54 | LB136407 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/09/2025 | 17:54 | LB136407 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/09/2025 | 17:54 | LB136407 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/09/2025 | 17:54 | LB136407 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/09/2025 | 17:54 | LB136407 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/09/2025 | 17:54 | LB136407 |
| | Silver | 2.23 | +/-5 | J | 10.0 | P | 07/09/2025 | 17:54 | LB136407 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/09/2025 | 17:54 | LB136407 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/09/2025 | 17:54 | LB136407 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/09/2025 | 17:54 | LB136407 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/09/2025 | 17:54 | LB136407 |
| **CCB08** | Aluminum | 44.5 | +/-50 | J | 100 | P | 07/09/2025 | 18:58 | LB136407 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/09/2025 | 18:58 | LB136407 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 07/09/2025 | 18:58 | LB136407 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/09/2025 | 18:58 | LB136407 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/09/2025 | 18:58 | LB136407 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/09/2025 | 18:58 | LB136407 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/09/2025 | 18:58 | LB136407 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/09/2025 | 18:58 | LB136407 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/09/2025 | 18:58 | LB136407 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/09/2025 | 18:58 | LB136407 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/09/2025 | 18:58 | LB136407 |
| | Lead | 3.36 | +/-6 | J | 12.0 | P | 07/09/2025 | 18:58 | LB136407 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/09/2025 | 18:58 | LB136407 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/09/2025 | 18:58 | LB136407 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/09/2025 | 18:58 | LB136407 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/09/2025 | 18:58 | LB136407 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/09/2025 | 18:58 | LB136407 |
| | Silver | 2.96 | +/-5 | J | 10.0 | P | 07/09/2025 | 18:58 | LB136407 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/09/2025 | 18:58 | LB136407 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/09/2025 | 18:58 | LB136407 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/09/2025 | 18:58 | LB136407 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/09/2025 | 18:58 | LB136407 |
| **CCB09** | Aluminum | 11.3 | +/-50 | U | 100 | P | 07/09/2025 | 19:52 | LB136407 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/09/2025 | 19:52 | LB136407 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/09/2025 | 19:52 | LB136407 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/09/2025 | 19:52 | LB136407 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/09/2025 | 19:52 | LB136407 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/09/2025 | 19:52 | LB136407 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/09/2025 | 19:52 | LB136407 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/09/2025 | 19:52 | LB136407 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/09/2025 | 19:52 | LB136407 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/09/2025 | 19:52 | LB136407 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/09/2025 | 19:52 | LB136407 |
| | Lead | 2.75 | +/-6 | J | 12.0 | P | 07/09/2025 | 19:52 | LB136407 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/09/2025 | 19:52 | LB136407 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/09/2025 | 19:52 | LB136407 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/09/2025 | 19:52 | LB136407 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/09/2025 | 19:52 | LB136407 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/09/2025 | 19:52 | LB136407 |
| | Silver | 2.59 | +/-5 | J | 10.0 | P | 07/09/2025 | 19:52 | LB136407 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/09/2025 | 19:52 | LB136407 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 07/09/2025 | 19:52 | LB136407 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/09/2025 | 19:52 | LB136407 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/09/2025 | 19:52 | LB136407 |
| **CCB10** | Aluminum | 11.3 | +/-50 | U | 100 | P | 07/09/2025 | 20:45 | LB136407 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/09/2025 | 20:45 | LB136407 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/09/2025 | 20:45 | LB136407 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/09/2025 | 20:45 | LB136407 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/09/2025 | 20:45 | LB136407 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/09/2025 | 20:45 | LB136407 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/09/2025 | 20:45 | LB136407 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/09/2025 | 20:45 | LB136407 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/09/2025 | 20:45 | LB136407 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/09/2025 | 20:45 | LB136407 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/09/2025 | 20:45 | LB136407 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/09/2025 | 20:45 | LB136407 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/09/2025 | 20:45 | LB136407 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/09/2025 | 20:45 | LB136407 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/09/2025 | 20:45 | LB136407 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/09/2025 | 20:45 | LB136407 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/09/2025 | 20:45 | LB136407 |
| | Silver | 1.92 | +/-5 | J | 10.0 | P | 07/09/2025 | 20:45 | LB136407 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/09/2025 | 20:45 | LB136407 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/09/2025 | 20:45 | LB136407 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/09/2025 | 20:45 | LB136407 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/09/2025 | 20:45 | LB136407 |
| **CCB11** | Aluminum | 23.1 | +/-50 | J | 100 | P | 07/09/2025 | 21:16 | LB136407 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/09/2025 | 21:16 | LB136407 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/09/2025 | 21:16 | LB136407 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/09/2025 | 21:16 | LB136407 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/09/2025 | 21:16 | LB136407 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/09/2025 | 21:16 | LB136407 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/09/2025 | 21:16 | LB136407 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/09/2025 | 21:16 | LB136407 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/09/2025 | 21:16 | LB136407 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/09/2025 | 21:16 | LB136407 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/09/2025 | 21:16 | LB136407 |
| | Lead | 4.79 | +/-6 | J | 12.0 | P | 07/09/2025 | 21:16 | LB136407 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/09/2025 | 21:16 | LB136407 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/09/2025 | 21:16 | LB136407 |

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# Metals

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## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 07/09/2025 | 21:16 | LB136407 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/09/2025 | 21:16 | LB136407 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/09/2025 | 21:16 | LB136407 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 07/09/2025 | 21:16 | LB136407 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/09/2025 | 21:16 | LB136407 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/09/2025 | 21:16 | LB136407 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/09/2025 | 21:16 | LB136407 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/09/2025 | 21:16 | LB136407 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 07/10/2025 | 18:55 | LB136434 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/10/2025 | 18:55 | LB136434 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/10/2025 | 18:55 | LB136434 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/10/2025 | 18:55 | LB136434 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/10/2025 | 18:55 | LB136434 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/10/2025 | 18:55 | LB136434 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/10/2025 | 18:55 | LB136434 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/10/2025 | 18:55 | LB136434 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/10/2025 | 18:55 | LB136434 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/10/2025 | 18:55 | LB136434 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/10/2025 | 18:55 | LB136434 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/10/2025 | 18:55 | LB136434 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/10/2025 | 18:55 | LB136434 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/10/2025 | 18:55 | LB136434 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/10/2025 | 18:55 | LB136434 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/10/2025 | 18:55 | LB136434 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/10/2025 | 18:55 | LB136434 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 07/10/2025 | 18:55 | LB136434 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/10/2025 | 18:55 | LB136434 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/10/2025 | 18:55 | LB136434 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/10/2025 | 18:55 | LB136434 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/10/2025 | 18:55 | LB136434 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 07/10/2025 | 19:54 | LB136434 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/10/2025 | 19:54 | LB136434 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/10/2025 | 19:54 | LB136434 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/10/2025 | 19:54 | LB136434 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/10/2025 | 19:54 | LB136434 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/10/2025 | 19:54 | LB136434 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/10/2025 | 19:54 | LB136434 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/10/2025 | 19:54 | LB136434 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/10/2025 | 19:54 | LB136434 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/10/2025 | 19:54 | LB136434 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/10/2025 | 19:54 | LB136434 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/10/2025 | 19:54 | LB136434 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/10/2025 | 19:54 | LB136434 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/10/2025 | 19:54 | LB136434 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/10/2025 | 19:54 | LB136434 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/10/2025 | 19:54 | LB136434 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/10/2025 | 19:54 | LB136434 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 07/10/2025 | 19:54 | LB136434 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/10/2025 | 19:54 | LB136434 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/10/2025 | 19:54 | LB136434 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/10/2025 | 19:54 | LB136434 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/10/2025 | 19:54 | LB136434 |
| **CCB02** | Aluminum | 11.3 | +/-50 | U | 100 | P | 07/10/2025 | 21:04 | LB136434 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/10/2025 | 21:04 | LB136434 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/10/2025 | 21:04 | LB136434 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/10/2025 | 21:04 | LB136434 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/10/2025 | 21:04 | LB136434 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/10/2025 | 21:04 | LB136434 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/10/2025 | 21:04 | LB136434 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/10/2025 | 21:04 | LB136434 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/10/2025 | 21:04 | LB136434 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/10/2025 | 21:04 | LB136434 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/10/2025 | 21:04 | LB136434 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/10/2025 | 21:04 | LB136434 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/10/2025 | 21:04 | LB136434 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/10/2025 | 21:04 | LB136434 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/10/2025 | 21:04 | LB136434 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/10/2025 | 21:04 | LB136434 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/10/2025 | 21:04 | LB136434 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 07/10/2025 | 21:04 | LB136434 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/10/2025 | 21:04 | LB136434 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/10/2025 | 21:04 | LB136434 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/10/2025 | 21:04 | LB136434 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/10/2025 | 21:04 | LB136434 |
| **CCB03** | Aluminum | 11.3 | +/-50 | U | 100 | P | 07/10/2025 | 22:36 | LB136434 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/10/2025 | 22:36 | LB136434 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/10/2025 | 22:36 | LB136434 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/10/2025 | 22:36 | LB136434 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/10/2025 | 22:36 | LB136434 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/10/2025 | 22:36 | LB136434 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/10/2025 | 22:36 | LB136434 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/10/2025 | 22:36 | LB136434 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/10/2025 | 22:36 | LB136434 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/10/2025 | 22:36 | LB136434 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/10/2025 | 22:36 | LB136434 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/10/2025 | 22:36 | LB136434 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/10/2025 | 22:36 | LB136434 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/10/2025 | 22:36 | LB136434 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/10/2025 | 22:36 | LB136434 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/10/2025 | 22:36 | LB136434 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/10/2025 | 22:36 | LB136434 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 07/10/2025 | 22:36 | LB136434 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/10/2025 | 22:36 | LB136434 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/10/2025 | 22:36 | LB136434 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/10/2025 | 22:36 | LB136434 |
| | Zinc | 3.50 | +/-20 | J | 40.0 | P | 07/10/2025 | 22:36 | LB136434 |
| **CCB04** | Aluminum | 11.3 | +/-50 | U | 100 | P | 07/10/2025 | 23:53 | LB136434 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/10/2025 | 23:53 | LB136434 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/10/2025 | 23:53 | LB136434 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/10/2025 | 23:53 | LB136434 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/10/2025 | 23:53 | LB136434 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/10/2025 | 23:53 | LB136434 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/10/2025 | 23:53 | LB136434 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/10/2025 | 23:53 | LB136434 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/10/2025 | 23:53 | LB136434 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/10/2025 | 23:53 | LB136434 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/10/2025 | 23:53 | LB136434 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/10/2025 | 23:53 | LB136434 |

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Fax : 908 789 8922



# Metals

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## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 07/10/2025 | 23:53 | LB136434 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/10/2025 | 23:53 | LB136434 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/10/2025 | 23:53 | LB136434 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/10/2025 | 23:53 | LB136434 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/10/2025 | 23:53 | LB136434 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 07/10/2025 | 23:53 | LB136434 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/10/2025 | 23:53 | LB136434 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/10/2025 | 23:53 | LB136434 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/10/2025 | 23:53 | LB136434 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/10/2025 | 23:53 | LB136434 |
| **CCB05** | Aluminum | 11.3 | +/-50 | U | 100 | P | 07/11/2025 | 00:51 | LB136434 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/11/2025 | 00:51 | LB136434 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/11/2025 | 00:51 | LB136434 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/11/2025 | 00:51 | LB136434 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/11/2025 | 00:51 | LB136434 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/11/2025 | 00:51 | LB136434 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/11/2025 | 00:51 | LB136434 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/11/2025 | 00:51 | LB136434 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/11/2025 | 00:51 | LB136434 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/11/2025 | 00:51 | LB136434 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/11/2025 | 00:51 | LB136434 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/11/2025 | 00:51 | LB136434 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/11/2025 | 00:51 | LB136434 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/11/2025 | 00:51 | LB136434 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/11/2025 | 00:51 | LB136434 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/11/2025 | 00:51 | LB136434 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/11/2025 | 00:51 | LB136434 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 07/11/2025 | 00:51 | LB136434 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/11/2025 | 00:51 | LB136434 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/11/2025 | 00:51 | LB136434 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/11/2025 | 00:51 | LB136434 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/11/2025 | 00:51 | LB136434 |
| **CCB06** | Aluminum | 11.3 | +/-50 | U | 100 | P | 07/11/2025 | 02:23 | LB136434 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/11/2025 | 02:23 | LB136434 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/11/2025 | 02:23 | LB136434 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/11/2025 | 02:23 | LB136434 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/11/2025 | 02:23 | LB136434 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/11/2025 | 02:23 | LB136434 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/11/2025 | 02:23 | LB136434 |

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# Metals

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## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 07/11/2025 | 02:23 | LB136434 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/11/2025 | 02:23 | LB136434 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/11/2025 | 02:23 | LB136434 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/11/2025 | 02:23 | LB136434 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/11/2025 | 02:23 | LB136434 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/11/2025 | 02:23 | LB136434 |
| | Manganese | 8.75 | +/-10 | J | 20.0 | P | 07/11/2025 | 02:23 | LB136434 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/11/2025 | 02:23 | LB136434 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/11/2025 | 02:23 | LB136434 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/11/2025 | 02:23 | LB136434 |
| | Silver | 4.87 | +/-5 | J | 10.0 | P | 07/11/2025 | 02:23 | LB136434 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/11/2025 | 02:23 | LB136434 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/11/2025 | 02:23 | LB136434 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/11/2025 | 02:23 | LB136434 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/11/2025 | 02:23 | LB136434 |
| **CCB07** | Aluminum | 11.3 | +/-50 | U | 100 | P | 07/11/2025 | 03:26 | LB136434 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/11/2025 | 03:26 | LB136434 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/11/2025 | 03:26 | LB136434 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/11/2025 | 03:26 | LB136434 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/11/2025 | 03:26 | LB136434 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/11/2025 | 03:26 | LB136434 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/11/2025 | 03:26 | LB136434 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/11/2025 | 03:26 | LB136434 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/11/2025 | 03:26 | LB136434 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/11/2025 | 03:26 | LB136434 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/11/2025 | 03:26 | LB136434 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/11/2025 | 03:26 | LB136434 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/11/2025 | 03:26 | LB136434 |
| | Manganese | 9.63 | +/-10 | J | 20.0 | P | 07/11/2025 | 03:26 | LB136434 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/11/2025 | 03:26 | LB136434 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/11/2025 | 03:26 | LB136434 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/11/2025 | 03:26 | LB136434 |
| | Silver | 4.57 | +/-5 | J | 10.0 | P | 07/11/2025 | 03:26 | LB136434 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/11/2025 | 03:26 | LB136434 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/11/2025 | 03:26 | LB136434 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/11/2025 | 03:26 | LB136434 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/11/2025 | 03:26 | LB136434 |
| **CCB08** | Aluminum | 11.3 | +/-50 | U | 100 | P | 07/11/2025 | 04:27 | LB136434 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/11/2025 | 04:27 | LB136434 |

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# Metals

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## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 07/11/2025 | 04:27 | LB136434 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/11/2025 | 04:27 | LB136434 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/11/2025 | 04:27 | LB136434 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/11/2025 | 04:27 | LB136434 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/11/2025 | 04:27 | LB136434 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/11/2025 | 04:27 | LB136434 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/11/2025 | 04:27 | LB136434 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/11/2025 | 04:27 | LB136434 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/11/2025 | 04:27 | LB136434 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/11/2025 | 04:27 | LB136434 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/11/2025 | 04:27 | LB136434 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/11/2025 | 04:27 | LB136434 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/11/2025 | 04:27 | LB136434 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/11/2025 | 04:27 | LB136434 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/11/2025 | 04:27 | LB136434 |
| | Silver | 6.06 | +/-5 | J* | 10.0 | P | 07/11/2025 | 04:27 | LB136434 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/11/2025 | 04:27 | LB136434 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/11/2025 | 04:27 | LB136434 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/11/2025 | 04:27 | LB136434 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/11/2025 | 04:27 | LB136434 |
| **CCB09** | Aluminum | 11.3 | +/-50 | U | 100 | P | 07/11/2025 | 05:24 | LB136434 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/11/2025 | 05:24 | LB136434 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/11/2025 | 05:24 | LB136434 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/11/2025 | 05:24 | LB136434 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/11/2025 | 05:24 | LB136434 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/11/2025 | 05:24 | LB136434 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/11/2025 | 05:24 | LB136434 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/11/2025 | 05:24 | LB136434 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/11/2025 | 05:24 | LB136434 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/11/2025 | 05:24 | LB136434 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/11/2025 | 05:24 | LB136434 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/11/2025 | 05:24 | LB136434 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/11/2025 | 05:24 | LB136434 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/11/2025 | 05:24 | LB136434 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/11/2025 | 05:24 | LB136434 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/11/2025 | 05:24 | LB136434 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/11/2025 | 05:24 | LB136434 |
| | Silver | 2.97 | +/-5 | J | 10.0 | P | 07/11/2025 | 05:24 | LB136434 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/11/2025 | 05:24 | LB136434 |

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# Metals

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## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 07/11/2025 | 05:24 | LB136434 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/11/2025 | 05:24 | LB136434 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/11/2025 | 05:24 | LB136434 |
| **CCB10** | Aluminum | 11.3 | +/-50 | U | 100 | P | 07/11/2025 | 06:21 | LB136434 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/11/2025 | 06:21 | LB136434 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/11/2025 | 06:21 | LB136434 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/11/2025 | 06:21 | LB136434 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/11/2025 | 06:21 | LB136434 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/11/2025 | 06:21 | LB136434 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/11/2025 | 06:21 | LB136434 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/11/2025 | 06:21 | LB136434 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/11/2025 | 06:21 | LB136434 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/11/2025 | 06:21 | LB136434 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/11/2025 | 06:21 | LB136434 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/11/2025 | 06:21 | LB136434 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/11/2025 | 06:21 | LB136434 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/11/2025 | 06:21 | LB136434 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/11/2025 | 06:21 | LB136434 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/11/2025 | 06:21 | LB136434 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/11/2025 | 06:21 | LB136434 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 07/11/2025 | 06:21 | LB136434 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/11/2025 | 06:21 | LB136434 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/11/2025 | 06:21 | LB136434 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/11/2025 | 06:21 | LB136434 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/11/2025 | 06:21 | LB136434 |
| **CCB11** | Aluminum | 11.3 | +/-50 | U | 100 | P | 07/11/2025 | 06:47 | LB136434 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/11/2025 | 06:47 | LB136434 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/11/2025 | 06:47 | LB136434 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/11/2025 | 06:47 | LB136434 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/11/2025 | 06:47 | LB136434 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/11/2025 | 06:47 | LB136434 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/11/2025 | 06:47 | LB136434 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/11/2025 | 06:47 | LB136434 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/11/2025 | 06:47 | LB136434 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/11/2025 | 06:47 | LB136434 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/11/2025 | 06:47 | LB136434 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/11/2025 | 06:47 | LB136434 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/11/2025 | 06:47 | LB136434 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/11/2025 | 06:47 | LB136434 |

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# Metals

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## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 07/11/2025 | 06:47 | LB136434 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/11/2025 | 06:47 | LB136434 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/11/2025 | 06:47 | LB136434 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 07/11/2025 | 06:47 | LB136434 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/11/2025 | 06:47 | LB136434 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/11/2025 | 06:47 | LB136434 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/11/2025 | 06:47 | LB136434 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/11/2025 | 06:47 | LB136434 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| ICB01 | Aluminum | 44.1 | +/-50 | J | 100 | P | 07/17/2025 | 14:29 | LB136534 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/17/2025 | 14:29 | LB136534 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/17/2025 | 14:29 | LB136534 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/17/2025 | 14:29 | LB136534 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/17/2025 | 14:29 | LB136534 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/17/2025 | 14:29 | LB136534 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/17/2025 | 14:29 | LB136534 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/17/2025 | 14:29 | LB136534 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/17/2025 | 14:29 | LB136534 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/17/2025 | 14:29 | LB136534 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/17/2025 | 14:29 | LB136534 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/17/2025 | 14:29 | LB136534 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/17/2025 | 14:29 | LB136534 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/17/2025 | 14:29 | LB136534 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/17/2025 | 14:29 | LB136534 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/17/2025 | 14:29 | LB136534 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/17/2025 | 14:29 | LB136534 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 07/17/2025 | 14:29 | LB136534 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/17/2025 | 14:29 | LB136534 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/17/2025 | 14:29 | LB136534 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/17/2025 | 14:29 | LB136534 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/17/2025 | 14:29 | LB136534 |

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# Metals

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## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB01** | Aluminum | 34.3 | +/-50 | J | 100 | P | 07/17/2025 | 15:01 | LB136534 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/17/2025 | 15:01 | LB136534 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/17/2025 | 15:01 | LB136534 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/17/2025 | 15:01 | LB136534 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/17/2025 | 15:01 | LB136534 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/17/2025 | 15:01 | LB136534 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/17/2025 | 15:01 | LB136534 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/17/2025 | 15:01 | LB136534 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/17/2025 | 15:01 | LB136534 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/17/2025 | 15:01 | LB136534 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/17/2025 | 15:01 | LB136534 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/17/2025 | 15:01 | LB136534 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/17/2025 | 15:01 | LB136534 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/17/2025 | 15:01 | LB136534 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/17/2025 | 15:01 | LB136534 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/17/2025 | 15:01 | LB136534 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/17/2025 | 15:01 | LB136534 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 07/17/2025 | 15:01 | LB136534 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/17/2025 | 15:01 | LB136534 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/17/2025 | 15:01 | LB136534 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/17/2025 | 15:01 | LB136534 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/17/2025 | 15:01 | LB136534 |
| **CCB02** | Aluminum | 20.6 | +/-50 | J | 100 | P | 07/17/2025 | 15:49 | LB136534 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/17/2025 | 15:49 | LB136534 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/17/2025 | 15:49 | LB136534 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/17/2025 | 15:49 | LB136534 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/17/2025 | 15:49 | LB136534 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/17/2025 | 15:49 | LB136534 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/17/2025 | 15:49 | LB136534 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/17/2025 | 15:49 | LB136534 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/17/2025 | 15:49 | LB136534 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/17/2025 | 15:49 | LB136534 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/17/2025 | 15:49 | LB136534 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/17/2025 | 15:49 | LB136534 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/17/2025 | 15:49 | LB136534 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/17/2025 | 15:49 | LB136534 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/17/2025 | 15:49 | LB136534 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/17/2025 | 15:49 | LB136534 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/17/2025 | 15:49 | LB136534 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 07/17/2025 | 15:49 | LB136534 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/17/2025 | 15:49 | LB136534 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/17/2025 | 15:49 | LB136534 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/17/2025 | 15:49 | LB136534 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/17/2025 | 15:49 | LB136534 |
| **CCB03** | Aluminum | 30.1 | +/-50 | J | 100 | P | 07/17/2025 | 17:36 | LB136534 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/17/2025 | 17:36 | LB136534 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/17/2025 | 17:36 | LB136534 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/17/2025 | 17:36 | LB136534 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/17/2025 | 17:36 | LB136534 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/17/2025 | 17:36 | LB136534 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/17/2025 | 17:36 | LB136534 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/17/2025 | 17:36 | LB136534 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/17/2025 | 17:36 | LB136534 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/17/2025 | 17:36 | LB136534 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/17/2025 | 17:36 | LB136534 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/17/2025 | 17:36 | LB136534 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/17/2025 | 17:36 | LB136534 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/17/2025 | 17:36 | LB136534 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/17/2025 | 17:36 | LB136534 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/17/2025 | 17:36 | LB136534 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/17/2025 | 17:36 | LB136534 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 07/17/2025 | 17:36 | LB136534 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/17/2025 | 17:36 | LB136534 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/17/2025 | 17:36 | LB136534 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/17/2025 | 17:36 | LB136534 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/17/2025 | 17:36 | LB136534 |
| **CCB04** | Aluminum | 27.5 | +/-50 | J | 100 | P | 07/17/2025 | 18:50 | LB136534 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/17/2025 | 18:50 | LB136534 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/17/2025 | 18:50 | LB136534 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/17/2025 | 18:50 | LB136534 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/17/2025 | 18:50 | LB136534 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/17/2025 | 18:50 | LB136534 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/17/2025 | 18:50 | LB136534 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/17/2025 | 18:50 | LB136534 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/17/2025 | 18:50 | LB136534 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/17/2025 | 18:50 | LB136534 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/17/2025 | 18:50 | LB136534 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/17/2025 | 18:50 | LB136534 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 07/17/2025 | 18:50 | LB136534 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/17/2025 | 18:50 | LB136534 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/17/2025 | 18:50 | LB136534 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/17/2025 | 18:50 | LB136534 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/17/2025 | 18:50 | LB136534 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 07/17/2025 | 18:50 | LB136534 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/17/2025 | 18:50 | LB136534 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/17/2025 | 18:50 | LB136534 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/17/2025 | 18:50 | LB136534 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/17/2025 | 18:50 | LB136534 |
| **CCB05** | Aluminum | 19.5 | +/-50 | J | 100 | P | 07/17/2025 | 20:16 | LB136534 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/17/2025 | 20:16 | LB136534 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/17/2025 | 20:16 | LB136534 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/17/2025 | 20:16 | LB136534 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/17/2025 | 20:16 | LB136534 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/17/2025 | 20:16 | LB136534 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/17/2025 | 20:16 | LB136534 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 07/17/2025 | 20:16 | LB136534 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/17/2025 | 20:16 | LB136534 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/17/2025 | 20:16 | LB136534 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/17/2025 | 20:16 | LB136534 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/17/2025 | 20:16 | LB136534 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/17/2025 | 20:16 | LB136534 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/17/2025 | 20:16 | LB136534 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/17/2025 | 20:16 | LB136534 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/17/2025 | 20:16 | LB136534 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/17/2025 | 20:16 | LB136534 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 07/17/2025 | 20:16 | LB136534 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/17/2025 | 20:16 | LB136534 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/17/2025 | 20:16 | LB136534 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/17/2025 | 20:16 | LB136534 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/17/2025 | 20:16 | LB136534 |
| **CCB06** | Aluminum | 12.5 | +/-50 | J | 100 | P | 07/17/2025 | 20:51 | LB136534 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 07/17/2025 | 20:51 | LB136534 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 07/17/2025 | 20:51 | LB136534 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 07/17/2025 | 20:51 | LB136534 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 07/17/2025 | 20:51 | LB136534 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 07/17/2025 | 20:51 | LB136534 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 07/17/2025 | 20:51 | LB136534 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 07/17/2025 | 20:51 | LB136534 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 07/17/2025 | 20:51 | LB136534 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 07/17/2025 | 20:51 | LB136534 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 07/17/2025 | 20:51 | LB136534 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 07/17/2025 | 20:51 | LB136534 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 07/17/2025 | 20:51 | LB136534 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 07/17/2025 | 20:51 | LB136534 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 07/17/2025 | 20:51 | LB136534 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 07/17/2025 | 20:51 | LB136534 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 07/17/2025 | 20:51 | LB136534 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 07/17/2025 | 20:51 | LB136534 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 07/17/2025 | 20:51 | LB136534 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 07/17/2025 | 20:51 | LB136534 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 07/17/2025 | 20:51 | LB136534 |
| | Zinc | 3.50 | +/-20 | U | 40.0 | P | 07/17/2025 | 20:51 | LB136534 |

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# Metals
## - 3b -
## PREPARATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Instrument:** CV1

| Sample ID | Analyte | Result (mg/Kg) | Acceptance Limit | Conc Qual | CRQL mg/Kg | M | Analysis Date | Analysis Time | Run |
|---|---|---|---|---|---|---|---|---|---|
| **PB168743BL** | | **SOLID** | | **Batch Number:** | **PB168743** | | **Prep Date:** | **07/07/2025** | |
| | Mercury | 0.0070 | <0.013 | U | 0.013 | CV | 07/07/2025 | 12:09 | LB136380 |

| Sample ID | Analyte | Result (ug/L) | Acceptance Limit | Conc Qual | CRQL ug/L | M | Analysis Date | Analysis Time | Run |
|---|---|---|---|---|---|---|---|---|---|
| **PB168766BL** | | **WATER** | | **Batch Number:** | **PB168766** | | **Prep Date:** | **07/08/2025** | |
| | Mercury | 0.076 | <0.2 | U | 0.20 | CV | 07/09/2025 | 12:37 | LB136403 |

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# Metals
## - 3b -
## PREPARATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Instrument:** P5

| Sample ID | Analyte | Result (ug/L) | Acceptance Limit | Conc Qual | CRQL ug/L | M | Analysis Date | Analysis Time | Run |
|---|---|---|---|---|---|---|---|---|---|
| **PB168739BL** | | **WATER** | | **Batch Number:** | **PB168739** | | **Prep Date:** | **07/07/2025** | |
| | Aluminum | 5.67 | <25 | U | 50.0 | P | 07/11/2025 | 00:56 | LB136434 |
| | Antimony | 3.38 | <12.5 | U | 25.0 | P | 07/11/2025 | 00:56 | LB136434 |
| | Arsenic | 2.56 | <5 | U | 10.0 | P | 07/11/2025 | 00:56 | LB136434 |
| | Barium | 7.28 | <25 | U | 50.0 | P | 07/11/2025 | 00:56 | LB136434 |
| | Beryllium | 0.28 | <1.5 | U | 3.00 | P | 07/11/2025 | 00:56 | LB136434 |
| | Cadmium | 0.25 | <1.5 | U | 3.00 | P | 07/11/2025 | 00:56 | LB136434 |
| | Calcium | 117 | <500 | U | 1000 | P | 07/11/2025 | 00:56 | LB136434 |
| | Chromium | 1.06 | <2.5 | U | 5.00 | P | 07/11/2025 | 00:56 | LB136434 |
| | Cobalt | 1.13 | <7.5 | U | 15.0 | P | 07/11/2025 | 00:56 | LB136434 |
| | Copper | 2.30 | <5 | U | 10.0 | P | 07/11/2025 | 00:56 | LB136434 |
| | Iron | 11.7 | <25 | U | 50.0 | P | 07/11/2025 | 00:56 | LB136434 |
| | Lead | 1.15 | <3 | U | 6.00 | P | 07/11/2025 | 00:56 | LB136434 |
| | Magnesium | 122 | <500 | U | 1000 | P | 07/11/2025 | 00:56 | LB136434 |
| | Manganese | 2.97 | <5 | U | 10.0 | P | 07/11/2025 | 00:56 | LB136434 |
| | Nickel | 1.53 | <10 | U | 20.0 | P | 07/11/2025 | 00:56 | LB136434 |
| | Potassium | 459 | <500 | U | 1000 | P | 07/11/2025 | 00:56 | LB136434 |
| | Selenium | 4.82 | <5 | U | 10.0 | P | 07/11/2025 | 00:56 | LB136434 |
| | Silver | 0.81 | <2.5 | U | 5.00 | P | 07/11/2025 | 00:56 | LB136434 |
| | Sodium | 434 | <500 | U | 1000 | P | 07/11/2025 | 00:56 | LB136434 |
| | Thallium | 2.19 | <10 | U | 20.0 | P | 07/11/2025 | 00:56 | LB136434 |
| | Vanadium | 3.13 | <10 | U | 20.0 | P | 07/11/2025 | 00:56 | LB136434 |
| | Zinc | 1.75 | <10 | U | 20.0 | P | 07/11/2025 | 00:56 | LB136434 |

| Sample ID | Analyte | Result (mg/Kg) | Acceptance Limit | Conc Qual | CRQL mg/Kg | M | Analysis Date | Analysis Time | Run |
|---|---|---|---|---|---|---|---|---|---|
| **PB168740BL** | | **SOLID** | | **Batch Number:** | **PB168740** | | **Prep Date:** | **07/07/2025** | |
| | Aluminum | 0.84 | <2.5 | U | 5.00 | P | 07/11/2025 | 00:34 | LB136434 |
| | Antimony | 0.22 | <1.25 | U | 2.50 | P | 07/11/2025 | 00:34 | LB136434 |
| | Arsenic | 0.19 | <0.5 | U | 1.00 | P | 07/11/2025 | 00:34 | LB136434 |
| | Barium | 0.73 | <2.5 | U | 5.00 | P | 07/11/2025 | 00:34 | LB136434 |
| | Beryllium | 0.025 | <0.15 | U | 0.30 | P | 07/11/2025 | 00:34 | LB136434 |
| | Cadmium | 0.024 | <0.15 | U | 0.30 | P | 07/11/2025 | 00:34 | LB136434 |
| | Calcium | 11.1 | <50 | U | 100 | P | 07/11/2025 | 00:34 | LB136434 |
| | Chromium | 0.047 | <0.25 | U | 0.50 | P | 07/11/2025 | 00:34 | LB136434 |
| | Cobalt | 0.10 | <0.75 | U | 1.50 | P | 07/11/2025 | 00:34 | LB136434 |
| | Copper | 0.22 | <0.5 | U | 1.00 | P | 07/11/2025 | 00:34 | LB136434 |
| | Iron | 3.99 | <2.5 | U | 5.00 | P | 07/11/2025 | 00:34 | LB136434 |
| | Lead | 0.13 | <0.3 | U | 0.60 | P | 07/11/2025 | 00:34 | LB136434 |
| | Magnesium | 12.0 | <50 | U | 100 | P | 07/11/2025 | 00:34 | LB136434 |
| | Manganese | 0.14 | <0.5 | U | 1.00 | P | 07/11/2025 | 00:34 | LB136434 |
| | Nickel | 0.13 | <1 | U | 2.00 | P | 07/11/2025 | 00:34 | LB136434 |

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**Metals**
**- 3b -**
**PREPARATION BLANK SUMMARY**

**Client:** G Environmental **SDG No.:** Q2503

**Instrument:** P5

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Potassium | 27.7 | <50 | U | 100 | P | 07/11/2025 | 00:34 | LB136434 |
| Selenium | 0.26 | <0.5 | U | 1.00 | P | 07/11/2025 | 00:34 | LB136434 |
| Silver | 0.12 | <0.25 | U | 0.50 | P | 07/11/2025 | 00:34 | LB136434 |
| Sodium | 17.8 | <50 | U | 100 | P | 07/11/2025 | 00:34 | LB136434 |
| Thallium | 0.23 | <1 | U | 2.00 | P | 07/11/2025 | 00:34 | LB136434 |
| Vanadium | 0.25 | <1 | U | 2.00 | P | 07/11/2025 | 00:34 | LB136434 |
| Zinc | 0.11 | <1 | U | 2.00 | P | 07/11/2025 | 00:34 | LB136434 |

# METAL CALIBRATION DATA

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 |
|---|---|---|---|---|---|---|---|---|---|
| ICV17 | Mercury | 3.77 | 4.0 | 94 | 90 - 110 | CV | 07/07/2025 | 11:53 | LB136380 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental
**SDG No.:** Q2503
**Contract:** GENV01
**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 |
|---|---|---|---|---|---|---|---|---|---|
| CCV54 | Mercury | 5.06 | 5.0 | 101 | 90 - 110 | CV | 07/07/2025 | 11:58 | LB136380 |
| CCV55 | Mercury | 5.12 | 5.0 | 102 | 90 - 110 | CV | 07/07/2025 | 12:34 | LB136380 |
| CCV56 | Mercury | 5.01 | 5.0 | 100 | 90 - 110 | CV | 07/07/2025 | 12:58 | LB136380 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 |
|---|---|---|---|---|---|---|---|---|---|
| ICV22 | Mercury | 4.06 | 4.0 | 102 | 90 - 110 | CV | 07/09/2025 | 11:43 | LB136403 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 |
|---|---|---|---|---|---|---|---|---|---|
| CCV70 | Mercury | 5.09 | 5.0 | 102 | 90 - 110 | CV | 07/09/2025 | 11:48 | LB136403 |
| CCV71 | Mercury | 4.91 | 5.0 | 98 | 90 - 110 | CV | 07/09/2025 | 12:18 | LB136403 |
| CCV72 | Mercury | 5.02 | 5.0 | 100 | 90 - 110 | CV | 07/09/2025 | 12:56 | LB136403 |
| CCV73 | Mercury | 4.90 | 5.0 | 98 | 90 - 110 | CV | 07/09/2025 | 13:31 | LB136403 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 7590 | 8000 | 95 | 90 - 110 | P | 07/09/2025 | 10:05 | LB136407 |
| | Antimony | 3910 | 4000 | 98 | 90 - 110 | P | 07/09/2025 | 10:05 | LB136407 |
| | Arsenic | 3660 | 4000 | 92 | 90 - 110 | P | 07/09/2025 | 10:05 | LB136407 |
| | Barium | 7770 | 8000 | 97 | 90 - 110 | P | 07/09/2025 | 10:05 | LB136407 |
| | Beryllium | 194 | 200 | 97 | 90 - 110 | P | 07/09/2025 | 10:05 | LB136407 |
| | Cadmium | 1860 | 2000 | 93 | 90 - 110 | P | 07/09/2025 | 10:05 | LB136407 |
| | Calcium | 19100 | 20000 | 95 | 90 - 110 | P | 07/09/2025 | 10:05 | LB136407 |
| | Chromium | 784 | 800 | 98 | 90 - 110 | P | 07/09/2025 | 10:05 | LB136407 |
| | Cobalt | 1910 | 2000 | 96 | 90 - 110 | P | 07/09/2025 | 10:05 | LB136407 |
| | Copper | 1000 | 1000 | 100 | 90 - 110 | P | 07/09/2025 | 10:05 | LB136407 |
| | Iron | 3730 | 4000 | 93 | 90 - 110 | P | 07/09/2025 | 10:05 | LB136407 |
| | Lead | 3700 | 4000 | 92 | 90 - 110 | P | 07/09/2025 | 10:05 | LB136407 |
| | Magnesium | 19100 | 20000 | 95 | 90 - 110 | P | 07/09/2025 | 10:05 | LB136407 |
| | Manganese | 1920 | 2000 | 96 | 90 - 110 | P | 07/09/2025 | 10:05 | LB136407 |
| | Nickel | 1890 | 2000 | 94 | 90 - 110 | P | 07/09/2025 | 10:05 | LB136407 |
| | Potassium | 18500 | 20000 | 93 | 90 - 110 | P | 07/09/2025 | 10:05 | LB136407 |
| | Selenium | 3760 | 4000 | 94 | 90 - 110 | P | 07/09/2025 | 10:05 | LB136407 |
| | Silver | 1000 | 1000 | 100 | 90 - 110 | P | 07/09/2025 | 10:05 | LB136407 |
| | Sodium | 19300 | 20000 | 96 | 90 - 110 | P | 07/09/2025 | 10:05 | LB136407 |
| | Thallium | 3680 | 4000 | 92 | 90 - 110 | P | 07/09/2025 | 10:05 | LB136407 |
| | Vanadium | 1940 | 2000 | 97 | 90 - 110 | P | 07/09/2025 | 10:05 | LB136407 |
| | Zinc | 1950 | 2000 | 97 | 90 - 110 | P | 07/09/2025 | 10:05 | LB136407 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 96.1 | 100 | 96 | 80 - 120 | P | 07/09/2025 | 10:17 | LB136407 |
| | Antimony | 49.5 | 50.0 | 99 | 80 - 120 | P | 07/09/2025 | 10:17 | LB136407 |
| | Arsenic | 20.8 | 20.0 | 104 | 80 - 120 | P | 07/09/2025 | 10:17 | LB136407 |
| | Barium | 101 | 100 | 101 | 80 - 120 | P | 07/09/2025 | 10:17 | LB136407 |
| | Beryllium | 6.07 | 6.0 | 101 | 80 - 120 | P | 07/09/2025 | 10:17 | LB136407 |
| | Cadmium | 5.40 | 6.0 | 90 | 80 - 120 | P | 07/09/2025 | 10:17 | LB136407 |
| | Calcium | 1940 | 2000 | 97 | 80 - 120 | P | 07/09/2025 | 10:17 | LB136407 |
| | Chromium | 10.3 | 10.0 | 103 | 80 - 120 | P | 07/09/2025 | 10:17 | LB136407 |
| | Cobalt | 28.4 | 30.0 | 95 | 80 - 120 | P | 07/09/2025 | 10:17 | LB136407 |
| | Copper | 22.7 | 20.0 | 114 | 80 - 120 | P | 07/09/2025 | 10:17 | LB136407 |
| | Iron | 117 | 100 | 117 | 80 - 120 | P | 07/09/2025 | 10:17 | LB136407 |
| | Lead | 11.2 | 12.0 | 94 | 80 - 120 | P | 07/09/2025 | 10:17 | LB136407 |
| | Magnesium | 2100 | 2000 | 105 | 80 - 120 | P | 07/09/2025 | 10:17 | LB136407 |
| | Manganese | 23.0 | 20.0 | 115 | 80 - 120 | P | 07/09/2025 | 10:17 | LB136407 |
| | Nickel | 37.8 | 40.0 | 95 | 80 - 120 | P | 07/09/2025 | 10:17 | LB136407 |
| | Potassium | 1760 | 2000 | 88 | 80 - 120 | P | 07/09/2025 | 10:17 | LB136407 |
| | Selenium | 21.3 | 20.0 | 107 | 80 - 120 | P | 07/09/2025 | 10:17 | LB136407 |
| | Silver | 9.46 | 10.0 | 95 | 80 - 120 | P | 07/09/2025 | 10:17 | LB136407 |
| | Sodium | 1770 | 2000 | 88 | 80 - 120 | P | 07/09/2025 | 10:17 | LB136407 |
| | Thallium | 37.7 | 40.0 | 94 | 80 - 120 | P | 07/09/2025 | 10:17 | LB136407 |
| | Vanadium | 37.7 | 40.0 | 94 | 80 - 120 | P | 07/09/2025 | 10:17 | LB136407 |
| | Zinc | 42.1 | 40.0 | 105 | 80 - 120 | P | 07/09/2025 | 10:17 | LB136407 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 102 | 90 - 110 | P | 07/09/2025 | 10:48 | LB136407 |
| | Antimony | 5070 | 5000 | 101 | 90 - 110 | P | 07/09/2025 | 10:48 | LB136407 |
| | Arsenic | 4990 | 5000 | 100 | 90 - 110 | P | 07/09/2025 | 10:48 | LB136407 |
| | Barium | 10700 | 10000 | 107 | 90 - 110 | P | 07/09/2025 | 10:48 | LB136407 |
| | Beryllium | 259 | 250 | 104 | 90 - 110 | P | 07/09/2025 | 10:48 | LB136407 |
| | Cadmium | 2520 | 2500 | 101 | 90 - 110 | P | 07/09/2025 | 10:48 | LB136407 |
| | Calcium | 25400 | 25000 | 102 | 90 - 110 | P | 07/09/2025 | 10:48 | LB136407 |
| | Chromium | 1030 | 1000 | 103 | 90 - 110 | P | 07/09/2025 | 10:48 | LB136407 |
| | Cobalt | 2480 | 2500 | 99 | 90 - 110 | P | 07/09/2025 | 10:48 | LB136407 |
| | Copper | 1290 | 1250 | 104 | 90 - 110 | P | 07/09/2025 | 10:48 | LB136407 |
| | Iron | 5010 | 5000 | 100 | 90 - 110 | P | 07/09/2025 | 10:48 | LB136407 |
| | Lead | 5040 | 5000 | 101 | 90 - 110 | P | 07/09/2025 | 10:48 | LB136407 |
| | Magnesium | 24700 | 25000 | 99 | 90 - 110 | P | 07/09/2025 | 10:48 | LB136407 |
| | Manganese | 2620 | 2500 | 105 | 90 - 110 | P | 07/09/2025 | 10:48 | LB136407 |
| | Nickel | 2470 | 2500 | 99 | 90 - 110 | P | 07/09/2025 | 10:48 | LB136407 |
| | Potassium | 25800 | 25000 | 103 | 90 - 110 | P | 07/09/2025 | 10:48 | LB136407 |
| | Selenium | 5080 | 5000 | 102 | 90 - 110 | P | 07/09/2025 | 10:48 | LB136407 |
| | Silver | 1260 | 1250 | 101 | 90 - 110 | P | 07/09/2025 | 10:48 | LB136407 |
| | Sodium | 26500 | 25000 | 106 | 90 - 110 | P | 07/09/2025 | 10:48 | LB136407 |
| | Thallium | 5100 | 5000 | 102 | 90 - 110 | P | 07/09/2025 | 10:48 | LB136407 |
| | Vanadium | 2630 | 2500 | 105 | 90 - 110 | P | 07/09/2025 | 10:48 | LB136407 |
| | Zinc | 2630 | 2500 | 105 | 90 - 110 | P | 07/09/2025 | 10:48 | LB136407 |
| CCV02 | Aluminum | 9890 | 10000 | 99 | 90 - 110 | P | 07/09/2025 | 11:47 | LB136407 |
| | Antimony | 5010 | 5000 | 100 | 90 - 110 | P | 07/09/2025 | 11:47 | LB136407 |
| | Arsenic | 4800 | 5000 | 96 | 90 - 110 | P | 07/09/2025 | 11:47 | LB136407 |
| | Barium | 10700 | 10000 | 107 | 90 - 110 | P | 07/09/2025 | 11:47 | LB136407 |
| | Beryllium | 254 | 250 | 102 | 90 - 110 | P | 07/09/2025 | 11:47 | LB136407 |
| | Cadmium | 2430 | 2500 | 97 | 90 - 110 | P | 07/09/2025 | 11:47 | LB136407 |
| | Calcium | 25200 | 25000 | 101 | 90 - 110 | P | 07/09/2025 | 11:47 | LB136407 |
| | Chromium | 997 | 1000 | 100 | 90 - 110 | P | 07/09/2025 | 11:47 | LB136407 |
| | Cobalt | 2400 | 2500 | 96 | 90 - 110 | P | 07/09/2025 | 11:47 | LB136407 |
| | Copper | 1260 | 1250 | 101 | 90 - 110 | P | 07/09/2025 | 11:47 | LB136407 |
| | Iron | 4860 | 5000 | 97 | 90 - 110 | P | 07/09/2025 | 11:47 | LB136407 |
| | Lead | 4860 | 5000 | 97 | 90 - 110 | P | 07/09/2025 | 11:47 | LB136407 |

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# Metals

## - 2a -
## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 24200 | 25000 | 97 | 90 - 110 | P | 07/09/2025 | 11:47 | LB136407 |
| | Manganese | 2580 | 2500 | 103 | 90 - 110 | P | 07/09/2025 | 11:47 | LB136407 |
| | Nickel | 2400 | 2500 | 96 | 90 - 110 | P | 07/09/2025 | 11:47 | LB136407 |
| | Potassium | 24100 | 25000 | 96 | 90 - 110 | P | 07/09/2025 | 11:47 | LB136407 |
| | Selenium | 4960 | 5000 | 99 | 90 - 110 | P | 07/09/2025 | 11:47 | LB136407 |
| | Silver | 1240 | 1250 | 99 | 90 - 110 | P | 07/09/2025 | 11:47 | LB136407 |
| | Sodium | 24500 | 25000 | 98 | 90 - 110 | P | 07/09/2025 | 11:47 | LB136407 |
| | Thallium | 4990 | 5000 | 100 | 90 - 110 | P | 07/09/2025 | 11:47 | LB136407 |
| | Vanadium | 2600 | 2500 | 104 | 90 - 110 | P | 07/09/2025 | 11:47 | LB136407 |
| | Zinc | 2590 | 2500 | 104 | 90 - 110 | P | 07/09/2025 | 11:47 | LB136407 |
| CCV03 | Aluminum | 10000 | 10000 | 100 | 90 - 110 | P | 07/09/2025 | 12:54 | LB136407 |
| | Antimony | 5020 | 5000 | 100 | 90 - 110 | P | 07/09/2025 | 12:54 | LB136407 |
| | Arsenic | 4830 | 5000 | 96 | 90 - 110 | P | 07/09/2025 | 12:54 | LB136407 |
| | Barium | 10800 | 10000 | 108 | 90 - 110 | P | 07/09/2025 | 12:54 | LB136407 |
| | Beryllium | 257 | 250 | 103 | 90 - 110 | P | 07/09/2025 | 12:54 | LB136407 |
| | Cadmium | 2440 | 2500 | 98 | 90 - 110 | P | 07/09/2025 | 12:54 | LB136407 |
| | Calcium | 25500 | 25000 | 102 | 90 - 110 | P | 07/09/2025 | 12:54 | LB136407 |
| | Chromium | 1000 | 1000 | 100 | 90 - 110 | P | 07/09/2025 | 12:54 | LB136407 |
| | Cobalt | 2410 | 2500 | 97 | 90 - 110 | P | 07/09/2025 | 12:54 | LB136407 |
| | Copper | 1270 | 1250 | 102 | 90 - 110 | P | 07/09/2025 | 12:54 | LB136407 |
| | Iron | 4930 | 5000 | 99 | 90 - 110 | P | 07/09/2025 | 12:54 | LB136407 |
| | Lead | 4890 | 5000 | 98 | 90 - 110 | P | 07/09/2025 | 12:54 | LB136407 |
| | Magnesium | 24500 | 25000 | 98 | 90 - 110 | P | 07/09/2025 | 12:54 | LB136407 |
| | Manganese | 2590 | 2500 | 103 | 90 - 110 | P | 07/09/2025 | 12:54 | LB136407 |
| | Nickel | 2410 | 2500 | 96 | 90 - 110 | P | 07/09/2025 | 12:54 | LB136407 |
| | Potassium | 24700 | 25000 | 99 | 90 - 110 | P | 07/09/2025 | 12:54 | LB136407 |
| | Selenium | 5010 | 5000 | 100 | 90 - 110 | P | 07/09/2025 | 12:54 | LB136407 |
| | Silver | 1240 | 1250 | 99 | 90 - 110 | P | 07/09/2025 | 12:54 | LB136407 |
| | Sodium | 25000 | 25000 | 100 | 90 - 110 | P | 07/09/2025 | 12:54 | LB136407 |
| | Thallium | 5030 | 5000 | 101 | 90 - 110 | P | 07/09/2025 | 12:54 | LB136407 |
| | Vanadium | 2590 | 2500 | 104 | 90 - 110 | P | 07/09/2025 | 12:54 | LB136407 |
| | Zinc | 2600 | 2500 | 104 | 90 - 110 | P | 07/09/2025 | 12:54 | LB136407 |
| CCV04 | Aluminum | 10100 | 10000 | 101 | 90 - 110 | P | 07/09/2025 | 14:05 | LB136407 |
| | Antimony | 5010 | 5000 | 100 | 90 - 110 | P | 07/09/2025 | 14:05 | LB136407 |

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# Metals

## - 2a -
## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 4860 | 5000 | 97 | 90 - 110 | P | 07/09/2025 | 14:05 | LB136407 |
| | Barium | 10700 | 10000 | 107 | 90 - 110 | P | 07/09/2025 | 14:05 | LB136407 |
| | Beryllium | 259 | 250 | 104 | 90 - 110 | P | 07/09/2025 | 14:05 | LB136407 |
| | Cadmium | 2460 | 2500 | 98 | 90 - 110 | P | 07/09/2025 | 14:05 | LB136407 |
| | Calcium | 25700 | 25000 | 103 | 90 - 110 | P | 07/09/2025 | 14:05 | LB136407 |
| | Chromium | 1000 | 1000 | 100 | 90 - 110 | P | 07/09/2025 | 14:05 | LB136407 |
| | Cobalt | 2410 | 2500 | 96 | 90 - 110 | P | 07/09/2025 | 14:05 | LB136407 |
| | Copper | 1280 | 1250 | 102 | 90 - 110 | P | 07/09/2025 | 14:05 | LB136407 |
| | Iron | 5000 | 5000 | 100 | 90 - 110 | P | 07/09/2025 | 14:05 | LB136407 |
| | Lead | 4930 | 5000 | 99 | 90 - 110 | P | 07/09/2025 | 14:05 | LB136407 |
| | Magnesium | 24500 | 25000 | 98 | 90 - 110 | P | 07/09/2025 | 14:05 | LB136407 |
| | Manganese | 2590 | 2500 | 104 | 90 - 110 | P | 07/09/2025 | 14:05 | LB136407 |
| | Nickel | 2420 | 2500 | 97 | 90 - 110 | P | 07/09/2025 | 14:05 | LB136407 |
| | Potassium | 25300 | 25000 | 101 | 90 - 110 | P | 07/09/2025 | 14:05 | LB136407 |
| | Selenium | 5050 | 5000 | 101 | 90 - 110 | P | 07/09/2025 | 14:05 | LB136407 |
| | Silver | 1260 | 1250 | 101 | 90 - 110 | P | 07/09/2025 | 14:05 | LB136407 |
| | Sodium | 25800 | 25000 | 103 | 90 - 110 | P | 07/09/2025 | 14:05 | LB136407 |
| | Thallium | 5080 | 5000 | 102 | 90 - 110 | P | 07/09/2025 | 14:05 | LB136407 |
| | Vanadium | 2580 | 2500 | 103 | 90 - 110 | P | 07/09/2025 | 14:05 | LB136407 |
| | Zinc | 2580 | 2500 | 103 | 90 - 110 | P | 07/09/2025 | 14:05 | LB136407 |
| CCV05 | Aluminum | 10200 | 10000 | 102 | 90 - 110 | P | 07/09/2025 | 15:27 | LB136407 |
| | Antimony | 5170 | 5000 | 103 | 90 - 110 | P | 07/09/2025 | 15:27 | LB136407 |
| | Arsenic | 5070 | 5000 | 101 | 90 - 110 | P | 07/09/2025 | 15:27 | LB136407 |
| | Barium | 10800 | 10000 | 108 | 90 - 110 | P | 07/09/2025 | 15:27 | LB136407 |
| | Beryllium | 272 | 250 | 109 | 90 - 110 | P | 07/09/2025 | 15:27 | LB136407 |
| | Cadmium | 2560 | 2500 | 103 | 90 - 110 | P | 07/09/2025 | 15:27 | LB136407 |
| | Calcium | 26100 | 25000 | 104 | 90 - 110 | P | 07/09/2025 | 15:27 | LB136407 |
| | Chromium | 1030 | 1000 | 103 | 90 - 110 | P | 07/09/2025 | 15:27 | LB136407 |
| | Cobalt | 2500 | 2500 | 100 | 90 - 110 | P | 07/09/2025 | 15:27 | LB136407 |
| | Copper | 1340 | 1250 | 107 | 90 - 110 | P | 07/09/2025 | 15:27 | LB136407 |
| | Iron | 5360 | 5000 | 107 | 90 - 110 | P | 07/09/2025 | 15:27 | LB136407 |
| | Lead | 5130 | 5000 | 103 | 90 - 110 | P | 07/09/2025 | 15:27 | LB136407 |
| | Magnesium | 25100 | 25000 | 100 | 90 - 110 | P | 07/09/2025 | 15:27 | LB136407 |
| | Manganese | 2600 | 2500 | 104 | 90 - 110 | P | 07/09/2025 | 15:27 | LB136407 |

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# Metals

## - 2a -
## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 2510 | 2500 | 100 | 90 - 110 | P | 07/09/2025 | 15:27 | LB136407 |
| | Potassium | 26800 | 25000 | 107 | 90 - 110 | P | 07/09/2025 | 15:27 | LB136407 |
| | Selenium | 5260 | 5000 | 105 | 90 - 110 | P | 07/09/2025 | 15:27 | LB136407 |
| | Silver | 1280 | 1250 | 102 | 90 - 110 | P | 07/09/2025 | 15:27 | LB136407 |
| | Sodium | 27100 | 25000 | 108 | 90 - 110 | P | 07/09/2025 | 15:27 | LB136407 |
| | Thallium | 5270 | 5000 | 106 | 90 - 110 | P | 07/09/2025 | 15:27 | LB136407 |
| | Vanadium | 2600 | 2500 | 104 | 90 - 110 | P | 07/09/2025 | 15:27 | LB136407 |
| | Zinc | 2620 | 2500 | 105 | 90 - 110 | P | 07/09/2025 | 15:27 | LB136407 |
| CCV06 | Aluminum | 10100 | 10000 | 101 | 90 - 110 | P | 07/09/2025 | 16:39 | LB136407 |
| | Antimony | 5040 | 5000 | 101 | 90 - 110 | P | 07/09/2025 | 16:39 | LB136407 |
| | Arsenic | 4880 | 5000 | 98 | 90 - 110 | P | 07/09/2025 | 16:39 | LB136407 |
| | Barium | 10600 | 10000 | 106 | 90 - 110 | P | 07/09/2025 | 16:39 | LB136407 |
| | Beryllium | 260 | 250 | 104 | 90 - 110 | P | 07/09/2025 | 16:39 | LB136407 |
| | Cadmium | 2470 | 2500 | 99 | 90 - 110 | P | 07/09/2025 | 16:39 | LB136407 |
| | Calcium | 25600 | 25000 | 102 | 90 - 110 | P | 07/09/2025 | 16:39 | LB136407 |
| | Chromium | 1000 | 1000 | 100 | 90 - 110 | P | 07/09/2025 | 16:39 | LB136407 |
| | Cobalt | 2430 | 2500 | 97 | 90 - 110 | P | 07/09/2025 | 16:39 | LB136407 |
| | Copper | 1280 | 1250 | 103 | 90 - 110 | P | 07/09/2025 | 16:39 | LB136407 |
| | Iron | 5080 | 5000 | 102 | 90 - 110 | P | 07/09/2025 | 16:39 | LB136407 |
| | Lead | 4940 | 5000 | 99 | 90 - 110 | P | 07/09/2025 | 16:39 | LB136407 |
| | Magnesium | 24700 | 25000 | 99 | 90 - 110 | P | 07/09/2025 | 16:39 | LB136407 |
| | Manganese | 2580 | 2500 | 103 | 90 - 110 | P | 07/09/2025 | 16:39 | LB136407 |
| | Nickel | 2430 | 2500 | 97 | 90 - 110 | P | 07/09/2025 | 16:39 | LB136407 |
| | Potassium | 25300 | 25000 | 101 | 90 - 110 | P | 07/09/2025 | 16:39 | LB136407 |
| | Selenium | 5090 | 5000 | 102 | 90 - 110 | P | 07/09/2025 | 16:39 | LB136407 |
| | Silver | 1250 | 1250 | 100 | 90 - 110 | P | 07/09/2025 | 16:39 | LB136407 |
| | Sodium | 25300 | 25000 | 101 | 90 - 110 | P | 07/09/2025 | 16:39 | LB136407 |
| | Thallium | 5110 | 5000 | 102 | 90 - 110 | P | 07/09/2025 | 16:39 | LB136407 |
| | Vanadium | 2570 | 2500 | 103 | 90 - 110 | P | 07/09/2025 | 16:39 | LB136407 |
| | Zinc | 2560 | 2500 | 102 | 90 - 110 | P | 07/09/2025 | 16:39 | LB136407 |
| CCV07 | Aluminum | 10000 | 10000 | 100 | 90 - 110 | P | 07/09/2025 | 17:50 | LB136407 |
| | Antimony | 4980 | 5000 | 100 | 90 - 110 | P | 07/09/2025 | 17:50 | LB136407 |
| | Arsenic | 4770 | 5000 | 95 | 90 - 110 | P | 07/09/2025 | 17:50 | LB136407 |
| | Barium | 10500 | 10000 | 105 | 90 - 110 | P | 07/09/2025 | 17:50 | LB136407 |

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# Metals

## - 2a -
## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 258 | 250 | 103 | 90 - 110 | P | 07/09/2025 | 17:50 | LB136407 |
| | Cadmium | 2420 | 2500 | 97 | 90 - 110 | P | 07/09/2025 | 17:50 | LB136407 |
| | Calcium | 25500 | 25000 | 102 | 90 - 110 | P | 07/09/2025 | 17:50 | LB136407 |
| | Chromium | 982 | 1000 | 98 | 90 - 110 | P | 07/09/2025 | 17:50 | LB136407 |
| | Cobalt | 2380 | 2500 | 95 | 90 - 110 | P | 07/09/2025 | 17:50 | LB136407 |
| | Copper | 1270 | 1250 | 102 | 90 - 110 | P | 07/09/2025 | 17:50 | LB136407 |
| | Iron | 5070 | 5000 | 101 | 90 - 110 | P | 07/09/2025 | 17:50 | LB136407 |
| | Lead | 4830 | 5000 | 97 | 90 - 110 | P | 07/09/2025 | 17:50 | LB136407 |
| | Magnesium | 24700 | 25000 | 99 | 90 - 110 | P | 07/09/2025 | 17:50 | LB136407 |
| | Manganese | 2570 | 2500 | 103 | 90 - 110 | P | 07/09/2025 | 17:50 | LB136407 |
| | Nickel | 2390 | 2500 | 96 | 90 - 110 | P | 07/09/2025 | 17:50 | LB136407 |
| | Potassium | 23900 | 25000 | 96 | 90 - 110 | P | 07/09/2025 | 17:50 | LB136407 |
| | Selenium | 5010 | 5000 | 100 | 90 - 110 | P | 07/09/2025 | 17:50 | LB136407 |
| | Silver | 1240 | 1250 | 99 | 90 - 110 | P | 07/09/2025 | 17:50 | LB136407 |
| | Sodium | 24000 | 25000 | 96 | 90 - 110 | P | 07/09/2025 | 17:50 | LB136407 |
| | Thallium | 5040 | 5000 | 101 | 90 - 110 | P | 07/09/2025 | 17:50 | LB136407 |
| | Vanadium | 2540 | 2500 | 102 | 90 - 110 | P | 07/09/2025 | 17:50 | LB136407 |
| | Zinc | 2520 | 2500 | 101 | 90 - 110 | P | 07/09/2025 | 17:50 | LB136407 |
| CCV08 | Aluminum | 9890 | 10000 | 99 | 90 - 110 | P | 07/09/2025 | 18:54 | LB136407 |
| | Antimony | 4930 | 5000 | 99 | 90 - 110 | P | 07/09/2025 | 18:54 | LB136407 |
| | Arsenic | 4700 | 5000 | 94 | 90 - 110 | P | 07/09/2025 | 18:54 | LB136407 |
| | Barium | 10400 | 10000 | 104 | 90 - 110 | P | 07/09/2025 | 18:54 | LB136407 |
| | Beryllium | 255 | 250 | 102 | 90 - 110 | P | 07/09/2025 | 18:54 | LB136407 |
| | Cadmium | 2400 | 2500 | 96 | 90 - 110 | P | 07/09/2025 | 18:54 | LB136407 |
| | Calcium | 25100 | 25000 | 100 | 90 - 110 | P | 07/09/2025 | 18:54 | LB136407 |
| | Chromium | 966 | 1000 | 97 | 90 - 110 | P | 07/09/2025 | 18:54 | LB136407 |
| | Cobalt | 2340 | 2500 | 94 | 90 - 110 | P | 07/09/2025 | 18:54 | LB136407 |
| | Copper | 1250 | 1250 | 100 | 90 - 110 | P | 07/09/2025 | 18:54 | LB136407 |
| | Iron | 5020 | 5000 | 100 | 90 - 110 | P | 07/09/2025 | 18:54 | LB136407 |
| | Lead | 4780 | 5000 | 96 | 90 - 110 | P | 07/09/2025 | 18:54 | LB136407 |
| | Magnesium | 24300 | 25000 | 97 | 90 - 110 | P | 07/09/2025 | 18:54 | LB136407 |
| | Manganese | 2520 | 2500 | 101 | 90 - 110 | P | 07/09/2025 | 18:54 | LB136407 |
| | Nickel | 2370 | 2500 | 95 | 90 - 110 | P | 07/09/2025 | 18:54 | LB136407 |
| | Potassium | 23500 | 25000 | 94 | 90 - 110 | P | 07/09/2025 | 18:54 | LB136407 |

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# Metals

## - 2a -
## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 4970 | 5000 | 99 | 90 - 110 | P | 07/09/2025 | 18:54 | LB136407 |
| | Silver | 1220 | 1250 | 98 | 90 - 110 | P | 07/09/2025 | 18:54 | LB136407 |
| | Sodium | 23600 | 25000 | 94 | 90 - 110 | P | 07/09/2025 | 18:54 | LB136407 |
| | Thallium | 5010 | 5000 | 100 | 90 - 110 | P | 07/09/2025 | 18:54 | LB136407 |
| | Vanadium | 2510 | 2500 | 101 | 90 - 110 | P | 07/09/2025 | 18:54 | LB136407 |
| | Zinc | 2490 | 2500 | 100 | 90 - 110 | P | 07/09/2025 | 18:54 | LB136407 |
| CCV09 | Aluminum | 9970 | 10000 | 100 | 90 - 110 | P | 07/09/2025 | 19:48 | LB136407 |
| | Antimony | 5030 | 5000 | 101 | 90 - 110 | P | 07/09/2025 | 19:48 | LB136407 |
| | Arsenic | 4800 | 5000 | 96 | 90 - 110 | P | 07/09/2025 | 19:48 | LB136407 |
| | Barium | 10400 | 10000 | 104 | 90 - 110 | P | 07/09/2025 | 19:48 | LB136407 |
| | Beryllium | 255 | 250 | 102 | 90 - 110 | P | 07/09/2025 | 19:48 | LB136407 |
| | Cadmium | 2450 | 2500 | 98 | 90 - 110 | P | 07/09/2025 | 19:48 | LB136407 |
| | Calcium | 25400 | 25000 | 102 | 90 - 110 | P | 07/09/2025 | 19:48 | LB136407 |
| | Chromium | 983 | 1000 | 98 | 90 - 110 | P | 07/09/2025 | 19:48 | LB136407 |
| | Cobalt | 2390 | 2500 | 96 | 90 - 110 | P | 07/09/2025 | 19:48 | LB136407 |
| | Copper | 1260 | 1250 | 101 | 90 - 110 | P | 07/09/2025 | 19:48 | LB136407 |
| | Iron | 5050 | 5000 | 101 | 90 - 110 | P | 07/09/2025 | 19:48 | LB136407 |
| | Lead | 4870 | 5000 | 97 | 90 - 110 | P | 07/09/2025 | 19:48 | LB136407 |
| | Magnesium | 24400 | 25000 | 98 | 90 - 110 | P | 07/09/2025 | 19:48 | LB136407 |
| | Manganese | 2550 | 2500 | 102 | 90 - 110 | P | 07/09/2025 | 19:48 | LB136407 |
| | Nickel | 2410 | 2500 | 97 | 90 - 110 | P | 07/09/2025 | 19:48 | LB136407 |
| | Potassium | 23800 | 25000 | 95 | 90 - 110 | P | 07/09/2025 | 19:48 | LB136407 |
| | Selenium | 5080 | 5000 | 102 | 90 - 110 | P | 07/09/2025 | 19:48 | LB136407 |
| | Silver | 1250 | 1250 | 100 | 90 - 110 | P | 07/09/2025 | 19:48 | LB136407 |
| | Sodium | 23700 | 25000 | 95 | 90 - 110 | P | 07/09/2025 | 19:48 | LB136407 |
| | Thallium | 5120 | 5000 | 102 | 90 - 110 | P | 07/09/2025 | 19:48 | LB136407 |
| | Vanadium | 2540 | 2500 | 102 | 90 - 110 | P | 07/09/2025 | 19:48 | LB136407 |
| | Zinc | 2540 | 2500 | 101 | 90 - 110 | P | 07/09/2025 | 19:48 | LB136407 |
| CCV10 | Aluminum | 10100 | 10000 | 101 | 90 - 110 | P | 07/09/2025 | 20:41 | LB136407 |
| | Antimony | 5140 | 5000 | 103 | 90 - 110 | P | 07/09/2025 | 20:41 | LB136407 |
| | Arsenic | 4910 | 5000 | 98 | 90 - 110 | P | 07/09/2025 | 20:41 | LB136407 |
| | Barium | 10600 | 10000 | 106 | 90 - 110 | P | 07/09/2025 | 20:41 | LB136407 |
| | Beryllium | 260 | 250 | 104 | 90 - 110 | P | 07/09/2025 | 20:41 | LB136407 |
| | Cadmium | 2510 | 2500 | 100 | 90 - 110 | P | 07/09/2025 | 20:41 | LB136407 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 25900 | 25000 | 103 | 90 - 110 | P | 07/09/2025 | 20:41 | LB136407 |
| | Chromium | 1010 | 1000 | 101 | 90 - 110 | P | 07/09/2025 | 20:41 | LB136407 |
| | Cobalt | 2440 | 2500 | 98 | 90 - 110 | P | 07/09/2025 | 20:41 | LB136407 |
| | Copper | 1280 | 1250 | 102 | 90 - 110 | P | 07/09/2025 | 20:41 | LB136407 |
| | Iron | 5110 | 5000 | 102 | 90 - 110 | P | 07/09/2025 | 20:41 | LB136407 |
| | Lead | 4990 | 5000 | 100 | 90 - 110 | P | 07/09/2025 | 20:41 | LB136407 |
| | Magnesium | 24800 | 25000 | 99 | 90 - 110 | P | 07/09/2025 | 20:41 | LB136407 |
| | Manganese | 2610 | 2500 | 104 | 90 - 110 | P | 07/09/2025 | 20:41 | LB136407 |
| | Nickel | 2470 | 2500 | 99 | 90 - 110 | P | 07/09/2025 | 20:41 | LB136407 |
| | Potassium | 24600 | 25000 | 98 | 90 - 110 | P | 07/09/2025 | 20:41 | LB136407 |
| | Selenium | 5200 | 5000 | 104 | 90 - 110 | P | 07/09/2025 | 20:41 | LB136407 |
| | Silver | 1270 | 1250 | 102 | 90 - 110 | P | 07/09/2025 | 20:41 | LB136407 |
| | Sodium | 24200 | 25000 | 97 | 90 - 110 | P | 07/09/2025 | 20:41 | LB136407 |
| | Thallium | 5230 | 5000 | 105 | 90 - 110 | P | 07/09/2025 | 20:41 | LB136407 |
| | Vanadium | 2590 | 2500 | 104 | 90 - 110 | P | 07/09/2025 | 20:41 | LB136407 |
| | Zinc | 2610 | 2500 | 104 | 90 - 110 | P | 07/09/2025 | 20:41 | LB136407 |
| CCV11 | Aluminum | 10000 | 10000 | 100 | 90 - 110 | P | 07/09/2025 | 21:12 | LB136407 |
| | Antimony | 4990 | 5000 | 100 | 90 - 110 | P | 07/09/2025 | 21:12 | LB136407 |
| | Arsenic | 4740 | 5000 | 95 | 90 - 110 | P | 07/09/2025 | 21:12 | LB136407 |
| | Barium | 10400 | 10000 | 104 | 90 - 110 | P | 07/09/2025 | 21:12 | LB136407 |
| | Beryllium | 257 | 250 | 103 | 90 - 110 | P | 07/09/2025 | 21:12 | LB136407 |
| | Cadmium | 2420 | 2500 | 97 | 90 - 110 | P | 07/09/2025 | 21:12 | LB136407 |
| | Calcium | 25300 | 25000 | 101 | 90 - 110 | P | 07/09/2025 | 21:12 | LB136407 |
| | Chromium | 975 | 1000 | 98 | 90 - 110 | P | 07/09/2025 | 21:12 | LB136407 |
| | Cobalt | 2360 | 2500 | 95 | 90 - 110 | P | 07/09/2025 | 21:12 | LB136407 |
| | Copper | 1260 | 1250 | 101 | 90 - 110 | P | 07/09/2025 | 21:12 | LB136407 |
| | Iron | 5070 | 5000 | 101 | 90 - 110 | P | 07/09/2025 | 21:12 | LB136407 |
| | Lead | 4820 | 5000 | 96 | 90 - 110 | P | 07/09/2025 | 21:12 | LB136407 |
| | Magnesium | 24400 | 25000 | 98 | 90 - 110 | P | 07/09/2025 | 21:12 | LB136407 |
| | Manganese | 2560 | 2500 | 102 | 90 - 110 | P | 07/09/2025 | 21:12 | LB136407 |
| | Nickel | 2390 | 2500 | 96 | 90 - 110 | P | 07/09/2025 | 21:12 | LB136407 |
| | Potassium | 23900 | 25000 | 96 | 90 - 110 | P | 07/09/2025 | 21:12 | LB136407 |
| | Selenium | 5050 | 5000 | 101 | 90 - 110 | P | 07/09/2025 | 21:12 | LB136407 |
| | Silver | 1240 | 1250 | 99 | 90 - 110 | P | 07/09/2025 | 21:12 | LB136407 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 23800 | 25000 | 95 | 90 - 110 | P | 07/09/2025 | 21:12 | LB136407 |
| | Thallium | 5060 | 5000 | 101 | 90 - 110 | P | 07/09/2025 | 21:12 | LB136407 |
| | Vanadium | 2550 | 2500 | 102 | 90 - 110 | P | 07/09/2025 | 21:12 | LB136407 |
| | Zinc | 2540 | 2500 | 102 | 90 - 110 | P | 07/09/2025 | 21:12 | LB136407 |

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# Metals

## - 2a -
## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 7800 | 8000 | 98 | 90 - 110 | P | 07/10/2025 | 18:39 | LB136434 |
| | Antimony | 4020 | 4000 | 100 | 90 - 110 | P | 07/10/2025 | 18:39 | LB136434 |
| | Arsenic | 3950 | 4000 | 99 | 90 - 110 | P | 07/10/2025 | 18:39 | LB136434 |
| | Barium | 7860 | 8000 | 98 | 90 - 110 | P | 07/10/2025 | 18:39 | LB136434 |
| | Beryllium | 209 | 200 | 105 | 90 - 110 | P | 07/10/2025 | 18:39 | LB136434 |
| | Cadmium | 2050 | 2000 | 103 | 90 - 110 | P | 07/10/2025 | 18:39 | LB136434 |
| | Calcium | 19800 | 20000 | 99 | 90 - 110 | P | 07/10/2025 | 18:39 | LB136434 |
| | Chromium | 800 | 800 | 100 | 90 - 110 | P | 07/10/2025 | 18:39 | LB136434 |
| | Cobalt | 1910 | 2000 | 96 | 90 - 110 | P | 07/10/2025 | 18:39 | LB136434 |
| | Copper | 1040 | 1000 | 104 | 90 - 110 | P | 07/10/2025 | 18:39 | LB136434 |
| | Iron | 4100 | 4000 | 103 | 90 - 110 | P | 07/10/2025 | 18:39 | LB136434 |
| | Lead | 4060 | 4000 | 101 | 90 - 110 | P | 07/10/2025 | 18:39 | LB136434 |
| | Magnesium | 20300 | 20000 | 102 | 90 - 110 | P | 07/10/2025 | 18:39 | LB136434 |
| | Manganese | 1980 | 2000 | 99 | 90 - 110 | P | 07/10/2025 | 18:39 | LB136434 |
| | Nickel | 1990 | 2000 | 99 | 90 - 110 | P | 07/10/2025 | 18:39 | LB136434 |
| | Potassium | 18600 | 20000 | 93 | 90 - 110 | P | 07/10/2025 | 18:39 | LB136434 |
| | Selenium | 4190 | 4000 | 105 | 90 - 110 | P | 07/10/2025 | 18:39 | LB136434 |
| | Silver | 911 | 1000 | 91 | 90 - 110 | P | 07/10/2025 | 18:39 | LB136434 |
| | Sodium | 19200 | 20000 | 96 | 90 - 110 | P | 07/10/2025 | 18:39 | LB136434 |
| | Thallium | 4110 | 4000 | 103 | 90 - 110 | P | 07/10/2025 | 18:39 | LB136434 |
| | Vanadium | 2000 | 2000 | 100 | 90 - 110 | P | 07/10/2025 | 18:39 | LB136434 |
| | Zinc | 1990 | 2000 | 100 | 90 - 110 | P | 07/10/2025 | 18:39 | LB136434 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 97.2 | 100 | 97 | 80 - 120 | P | 07/10/2025 | 18:51 | LB136434 |
| | Antimony | 54.4 | 50.0 | 109 | 80 - 120 | P | 07/10/2025 | 18:51 | LB136434 |
| | Arsenic | 21.2 | 20.0 | 106 | 80 - 120 | P | 07/10/2025 | 18:51 | LB136434 |
| | Barium | 98.6 | 100 | 99 | 80 - 120 | P | 07/10/2025 | 18:51 | LB136434 |
| | Beryllium | 6.44 | 6.0 | 107 | 80 - 120 | P | 07/10/2025 | 18:51 | LB136434 |
| | Cadmium | 5.61 | 6.0 | 93 | 80 - 120 | P | 07/10/2025 | 18:51 | LB136434 |
| | Calcium | 2140 | 2000 | 107 | 80 - 120 | P | 07/10/2025 | 18:51 | LB136434 |
| | Chromium | 10.5 | 10.0 | 105 | 80 - 120 | P | 07/10/2025 | 18:51 | LB136434 |
| | Cobalt | 29.4 | 30.0 | 98 | 80 - 120 | P | 07/10/2025 | 18:51 | LB136434 |
| | Copper | 21.6 | 20.0 | 108 | 80 - 120 | P | 07/10/2025 | 18:51 | LB136434 |
| | Iron | 118 | 100 | 118 | 80 - 120 | P | 07/10/2025 | 18:51 | LB136434 |
| | Lead | 13.2 | 12.0 | 110 | 80 - 120 | P | 07/10/2025 | 18:51 | LB136434 |
| | Magnesium | 2260 | 2000 | 113 | 80 - 120 | P | 07/10/2025 | 18:51 | LB136434 |
| | Manganese | 22.9 | 20.0 | 114 | 80 - 120 | P | 07/10/2025 | 18:51 | LB136434 |
| | Nickel | 39.6 | 40.0 | 99 | 80 - 120 | P | 07/10/2025 | 18:51 | LB136434 |
| | Potassium | 1810 | 2000 | 91 | 80 - 120 | P | 07/10/2025 | 18:51 | LB136434 |
| | Selenium | 20.6 | 20.0 | 103 | 80 - 120 | P | 07/10/2025 | 18:51 | LB136434 |
| | Silver | 10.9 | 10.0 | 110 | 80 - 120 | P | 07/10/2025 | 18:51 | LB136434 |
| | Sodium | 1810 | 2000 | 90 | 80 - 120 | P | 07/10/2025 | 18:51 | LB136434 |
| | Thallium | 40.2 | 40.0 | 100 | 80 - 120 | P | 07/10/2025 | 18:51 | LB136434 |
| | Vanadium | 38.1 | 40.0 | 95 | 80 - 120 | P | 07/10/2025 | 18:51 | LB136434 |
| | Zinc | 46.1 | 40.0 | 115 | 80 - 120 | P | 07/10/2025 | 18:51 | LB136434 |

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# Metals

## - 2a -
## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 9940 | 10000 | 99 | 90 - 110 | P | 07/10/2025 | 19:43 | LB136434 |
| | Antimony | 5010 | 5000 | 100 | 90 - 110 | P | 07/10/2025 | 19:43 | LB136434 |
| | Arsenic | 4910 | 5000 | 98 | 90 - 110 | P | 07/10/2025 | 19:43 | LB136434 |
| | Barium | 10200 | 10000 | 102 | 90 - 110 | P | 07/10/2025 | 19:43 | LB136434 |
| | Beryllium | 257 | 250 | 103 | 90 - 110 | P | 07/10/2025 | 19:43 | LB136434 |
| | Cadmium | 2510 | 2500 | 100 | 90 - 110 | P | 07/10/2025 | 19:43 | LB136434 |
| | Calcium | 25500 | 25000 | 102 | 90 - 110 | P | 07/10/2025 | 19:43 | LB136434 |
| | Chromium | 1010 | 1000 | 101 | 90 - 110 | P | 07/10/2025 | 19:43 | LB136434 |
| | Cobalt | 2470 | 2500 | 99 | 90 - 110 | P | 07/10/2025 | 19:43 | LB136434 |
| | Copper | 1270 | 1250 | 102 | 90 - 110 | P | 07/10/2025 | 19:43 | LB136434 |
| | Iron | 5140 | 5000 | 103 | 90 - 110 | P | 07/10/2025 | 19:43 | LB136434 |
| | Lead | 4980 | 5000 | 100 | 90 - 110 | P | 07/10/2025 | 19:43 | LB136434 |
| | Magnesium | 25400 | 25000 | 102 | 90 - 110 | P | 07/10/2025 | 19:43 | LB136434 |
| | Manganese | 2550 | 2500 | 102 | 90 - 110 | P | 07/10/2025 | 19:43 | LB136434 |
| | Nickel | 2490 | 2500 | 100 | 90 - 110 | P | 07/10/2025 | 19:43 | LB136434 |
| | Potassium | 25600 | 25000 | 103 | 90 - 110 | P | 07/10/2025 | 19:43 | LB136434 |
| | Selenium | 5060 | 5000 | 101 | 90 - 110 | P | 07/10/2025 | 19:43 | LB136434 |
| | Silver | 1280 | 1250 | 103 | 90 - 110 | P | 07/10/2025 | 19:43 | LB136434 |
| | Sodium | 25000 | 25000 | 100 | 90 - 110 | P | 07/10/2025 | 19:43 | LB136434 |
| | Thallium | 5090 | 5000 | 102 | 90 - 110 | P | 07/10/2025 | 19:43 | LB136434 |
| | Vanadium | 2540 | 2500 | 102 | 90 - 110 | P | 07/10/2025 | 19:43 | LB136434 |
| | Zinc | 2500 | 2500 | 100 | 90 - 110 | P | 07/10/2025 | 19:43 | LB136434 |
| CCV02 | Aluminum | 9360 | 10000 | 94 | 90 - 110 | P | 07/10/2025 | 20:59 | LB136434 |
| | Antimony | 4760 | 5000 | 95 | 90 - 110 | P | 07/10/2025 | 20:59 | LB136434 |
| | Arsenic | 4640 | 5000 | 93 | 90 - 110 | P | 07/10/2025 | 20:59 | LB136434 |
| | Barium | 9760 | 10000 | 98 | 90 - 110 | P | 07/10/2025 | 20:59 | LB136434 |
| | Beryllium | 251 | 250 | 100 | 90 - 110 | P | 07/10/2025 | 20:59 | LB136434 |
| | Cadmium | 2380 | 2500 | 95 | 90 - 110 | P | 07/10/2025 | 20:59 | LB136434 |
| | Calcium | 24300 | 25000 | 97 | 90 - 110 | P | 07/10/2025 | 20:59 | LB136434 |
| | Chromium | 962 | 1000 | 96 | 90 - 110 | P | 07/10/2025 | 20:59 | LB136434 |
| | Cobalt | 2320 | 2500 | 93 | 90 - 110 | P | 07/10/2025 | 20:59 | LB136434 |
| | Copper | 1230 | 1250 | 99 | 90 - 110 | P | 07/10/2025 | 20:59 | LB136434 |
| | Iron | 5010 | 5000 | 100 | 90 - 110 | P | 07/10/2025 | 20:59 | LB136434 |
| | Lead | 4710 | 5000 | 94 | 90 - 110 | P | 07/10/2025 | 20:59 | LB136434 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 24300 | 25000 | 97 | 90 - 110 | P | 07/10/2025 | 20:59 | LB136434 |
| | Manganese | 2440 | 2500 | 98 | 90 - 110 | P | 07/10/2025 | 20:59 | LB136434 |
| | Nickel | 2350 | 2500 | 94 | 90 - 110 | P | 07/10/2025 | 20:59 | LB136434 |
| | Potassium | 25900 | 25000 | 104 | 90 - 110 | P | 07/10/2025 | 20:59 | LB136434 |
| | Selenium | 4800 | 5000 | 96 | 90 - 110 | P | 07/10/2025 | 20:59 | LB136434 |
| | Silver | 1220 | 1250 | 97 | 90 - 110 | P | 07/10/2025 | 20:59 | LB136434 |
| | Sodium | 25000 | 25000 | 100 | 90 - 110 | P | 07/10/2025 | 20:59 | LB136434 |
| | Thallium | 4840 | 5000 | 97 | 90 - 110 | P | 07/10/2025 | 20:59 | LB136434 |
| | Vanadium | 2430 | 2500 | 97 | 90 - 110 | P | 07/10/2025 | 20:59 | LB136434 |
| | Zinc | 2370 | 2500 | 95 | 90 - 110 | P | 07/10/2025 | 20:59 | LB136434 |
| CCV03 | Aluminum | 9640 | 10000 | 96 | 90 - 110 | P | 07/10/2025 | 22:32 | LB136434 |
| | Antimony | 4880 | 5000 | 98 | 90 - 110 | P | 07/10/2025 | 22:32 | LB136434 |
| | Arsenic | 4830 | 5000 | 96 | 90 - 110 | P | 07/10/2025 | 22:32 | LB136434 |
| | Barium | 10000 | 10000 | 100 | 90 - 110 | P | 07/10/2025 | 22:32 | LB136434 |
| | Beryllium | 255 | 250 | 102 | 90 - 110 | P | 07/10/2025 | 22:32 | LB136434 |
| | Cadmium | 2480 | 2500 | 99 | 90 - 110 | P | 07/10/2025 | 22:32 | LB136434 |
| | Calcium | 24900 | 25000 | 100 | 90 - 110 | P | 07/10/2025 | 22:32 | LB136434 |
| | Chromium | 997 | 1000 | 100 | 90 - 110 | P | 07/10/2025 | 22:32 | LB136434 |
| | Cobalt | 2410 | 2500 | 96 | 90 - 110 | P | 07/10/2025 | 22:32 | LB136434 |
| | Copper | 1270 | 1250 | 102 | 90 - 110 | P | 07/10/2025 | 22:32 | LB136434 |
| | Iron | 5140 | 5000 | 103 | 90 - 110 | P | 07/10/2025 | 22:32 | LB136434 |
| | Lead | 4930 | 5000 | 99 | 90 - 110 | P | 07/10/2025 | 22:32 | LB136434 |
| | Magnesium | 24800 | 25000 | 99 | 90 - 110 | P | 07/10/2025 | 22:32 | LB136434 |
| | Manganese | 2510 | 2500 | 100 | 90 - 110 | P | 07/10/2025 | 22:32 | LB136434 |
| | Nickel | 2440 | 2500 | 97 | 90 - 110 | P | 07/10/2025 | 22:32 | LB136434 |
| | Potassium | 26900 | 25000 | 108 | 90 - 110 | P | 07/10/2025 | 22:32 | LB136434 |
| | Selenium | 4940 | 5000 | 99 | 90 - 110 | P | 07/10/2025 | 22:32 | LB136434 |
| | Silver | 1250 | 1250 | 100 | 90 - 110 | P | 07/10/2025 | 22:32 | LB136434 |
| | Sodium | 26500 | 25000 | 106 | 90 - 110 | P | 07/10/2025 | 22:32 | LB136434 |
| | Thallium | 4990 | 5000 | 100 | 90 - 110 | P | 07/10/2025 | 22:32 | LB136434 |
| | Vanadium | 2490 | 2500 | 100 | 90 - 110 | P | 07/10/2025 | 22:32 | LB136434 |
| | Zinc | 2450 | 2500 | 98 | 90 - 110 | P | 07/10/2025 | 22:32 | LB136434 |
| CCV04 | Aluminum | 9350 | 10000 | 94 | 90 - 110 | P | 07/10/2025 | 23:29 | LB136434 |
| | Antimony | 4640 | 5000 | 93 | 90 - 110 | P | 07/10/2025 | 23:29 | LB136434 |

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# Metals

## - 2a -
## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 4600 | 5000 | 92 | 90 - 110 | P | 07/10/2025 | 23:29 | LB136434 |
| | Barium | 9570 | 10000 | 96 | 90 - 110 | P | 07/10/2025 | 23:29 | LB136434 |
| | Beryllium | 246 | 250 | 98 | 90 - 110 | P | 07/10/2025 | 23:29 | LB136434 |
| | Cadmium | 2350 | 2500 | 94 | 90 - 110 | P | 07/10/2025 | 23:29 | LB136434 |
| | Calcium | 23900 | 25000 | 96 | 90 - 110 | P | 07/10/2025 | 23:29 | LB136434 |
| | Chromium | 957 | 1000 | 96 | 90 - 110 | P | 07/10/2025 | 23:29 | LB136434 |
| | Cobalt | 2290 | 2500 | 92 | 90 - 110 | P | 07/10/2025 | 23:29 | LB136434 |
| | Copper | 1220 | 1250 | 97 | 90 - 110 | P | 07/10/2025 | 23:29 | LB136434 |
| | Iron | 4890 | 5000 | 98 | 90 - 110 | P | 07/10/2025 | 23:29 | LB136434 |
| | Lead | 4690 | 5000 | 94 | 90 - 110 | P | 07/10/2025 | 23:29 | LB136434 |
| | Magnesium | 23900 | 25000 | 96 | 90 - 110 | P | 07/10/2025 | 23:29 | LB136434 |
| | Manganese | 2400 | 2500 | 96 | 90 - 110 | P | 07/10/2025 | 23:29 | LB136434 |
| | Nickel | 2310 | 2500 | 92 | 90 - 110 | P | 07/10/2025 | 23:29 | LB136434 |
| | Potassium | 25900 | 25000 | 104 | 90 - 110 | P | 07/10/2025 | 23:29 | LB136434 |
| | Selenium | 4700 | 5000 | 94 | 90 - 110 | P | 07/10/2025 | 23:29 | LB136434 |
| | Silver | 1200 | 1250 | 96 | 90 - 110 | P | 07/10/2025 | 23:29 | LB136434 |
| | Sodium | 25600 | 25000 | 102 | 90 - 110 | P | 07/10/2025 | 23:29 | LB136434 |
| | Thallium | 4730 | 5000 | 95 | 90 - 110 | P | 07/10/2025 | 23:29 | LB136434 |
| | Vanadium | 2410 | 2500 | 96 | 90 - 110 | P | 07/10/2025 | 23:29 | LB136434 |
| | Zinc | 2340 | 2500 | 94 | 90 - 110 | P | 07/10/2025 | 23:29 | LB136434 |
| CCV05 | Aluminum | 9510 | 10000 | 95 | 90 - 110 | P | 07/11/2025 | 00:47 | LB136434 |
| | Antimony | 4770 | 5000 | 95 | 90 - 110 | P | 07/11/2025 | 00:47 | LB136434 |
| | Arsenic | 4750 | 5000 | 95 | 90 - 110 | P | 07/11/2025 | 00:47 | LB136434 |
| | Barium | 9800 | 10000 | 98 | 90 - 110 | P | 07/11/2025 | 00:47 | LB136434 |
| | Beryllium | 250 | 250 | 100 | 90 - 110 | P | 07/11/2025 | 00:47 | LB136434 |
| | Cadmium | 2410 | 2500 | 96 | 90 - 110 | P | 07/11/2025 | 00:47 | LB136434 |
| | Calcium | 24200 | 25000 | 97 | 90 - 110 | P | 07/11/2025 | 00:47 | LB136434 |
| | Chromium | 978 | 1000 | 98 | 90 - 110 | P | 07/11/2025 | 00:47 | LB136434 |
| | Cobalt | 2370 | 2500 | 95 | 90 - 110 | P | 07/11/2025 | 00:47 | LB136434 |
| | Copper | 1240 | 1250 | 100 | 90 - 110 | P | 07/11/2025 | 00:47 | LB136434 |
| | Iron | 4950 | 5000 | 99 | 90 - 110 | P | 07/11/2025 | 00:47 | LB136434 |
| | Lead | 4820 | 5000 | 96 | 90 - 110 | P | 07/11/2025 | 00:47 | LB136434 |
| | Magnesium | 24100 | 25000 | 96 | 90 - 110 | P | 07/11/2025 | 00:47 | LB136434 |
| | Manganese | 2460 | 2500 | 98 | 90 - 110 | P | 07/11/2025 | 00:47 | LB136434 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 2370 | 2500 | 95 | 90 - 110 | P | 07/11/2025 | 00:47 | LB136434 |
| | Potassium | 27100 | 25000 | 108 | 90 - 110 | P | 07/11/2025 | 00:47 | LB136434 |
| | Selenium | 4790 | 5000 | 96 | 90 - 110 | P | 07/11/2025 | 00:47 | LB136434 |
| | Silver | 1220 | 1250 | 97 | 90 - 110 | P | 07/11/2025 | 00:47 | LB136434 |
| | Sodium | 26600 | 25000 | 106 | 90 - 110 | P | 07/11/2025 | 00:47 | LB136434 |
| | Thallium | 4840 | 5000 | 97 | 90 - 110 | P | 07/11/2025 | 00:47 | LB136434 |
| | Vanadium | 2470 | 2500 | 99 | 90 - 110 | P | 07/11/2025 | 00:47 | LB136434 |
| | Zinc | 2430 | 2500 | 97 | 90 - 110 | P | 07/11/2025 | 00:47 | LB136434 |
| CCV06 | Aluminum | 9520 | 10000 | 95 | 90 - 110 | P | 07/11/2025 | 01:47 | LB136434 |
| | Antimony | 4790 | 5000 | 96 | 90 - 110 | P | 07/11/2025 | 01:47 | LB136434 |
| | Arsenic | 4780 | 5000 | 96 | 90 - 110 | P | 07/11/2025 | 01:47 | LB136434 |
| | Barium | 9810 | 10000 | 98 | 90 - 110 | P | 07/11/2025 | 01:47 | LB136434 |
| | Beryllium | 248 | 250 | 99 | 90 - 110 | P | 07/11/2025 | 01:47 | LB136434 |
| | Cadmium | 2410 | 2500 | 96 | 90 - 110 | P | 07/11/2025 | 01:47 | LB136434 |
| | Calcium | 24100 | 25000 | 97 | 90 - 110 | P | 07/11/2025 | 01:47 | LB136434 |
| | Chromium | 978 | 1000 | 98 | 90 - 110 | P | 07/11/2025 | 01:47 | LB136434 |
| | Cobalt | 2370 | 2500 | 95 | 90 - 110 | P | 07/11/2025 | 01:47 | LB136434 |
| | Copper | 1240 | 1250 | 99 | 90 - 110 | P | 07/11/2025 | 01:47 | LB136434 |
| | Iron | 4890 | 5000 | 98 | 90 - 110 | P | 07/11/2025 | 01:47 | LB136434 |
| | Lead | 4820 | 5000 | 96 | 90 - 110 | P | 07/11/2025 | 01:47 | LB136434 |
| | Magnesium | 24200 | 25000 | 97 | 90 - 110 | P | 07/11/2025 | 01:47 | LB136434 |
| | Manganese | 2440 | 2500 | 98 | 90 - 110 | P | 07/11/2025 | 01:47 | LB136434 |
| | Nickel | 2370 | 2500 | 95 | 90 - 110 | P | 07/11/2025 | 01:47 | LB136434 |
| | Potassium | 26200 | 25000 | 105 | 90 - 110 | P | 07/11/2025 | 01:47 | LB136434 |
| | Selenium | 4810 | 5000 | 96 | 90 - 110 | P | 07/11/2025 | 01:47 | LB136434 |
| | Silver | 1220 | 1250 | 97 | 90 - 110 | P | 07/11/2025 | 01:47 | LB136434 |
| | Sodium | 26400 | 25000 | 106 | 90 - 110 | P | 07/11/2025 | 01:47 | LB136434 |
| | Thallium | 4840 | 5000 | 97 | 90 - 110 | P | 07/11/2025 | 01:47 | LB136434 |
| | Vanadium | 2470 | 2500 | 99 | 90 - 110 | P | 07/11/2025 | 01:47 | LB136434 |
| | Zinc | 2440 | 2500 | 98 | 90 - 110 | P | 07/11/2025 | 01:47 | LB136434 |
| CCV07 | Aluminum | 9390 | 10000 | 94 | 90 - 110 | P | 07/11/2025 | 03:17 | LB136434 |
| | Antimony | 4710 | 5000 | 94 | 90 - 110 | P | 07/11/2025 | 03:17 | LB136434 |
| | Arsenic | 4640 | 5000 | 93 | 90 - 110 | P | 07/11/2025 | 03:17 | LB136434 |
| | Barium | 9540 | 10000 | 95 | 90 - 110 | P | 07/11/2025 | 03:17 | LB136434 |

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# Metals

## - 2a -
## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 236 | 250 | 95 | 90 - 110 | P | 07/11/2025 | 03:17 | LB136434 |
| | Cadmium | 2330 | 2500 | 93 | 90 - 110 | P | 07/11/2025 | 03:17 | LB136434 |
| | Calcium | 23700 | 25000 | 95 | 90 - 110 | P | 07/11/2025 | 03:17 | LB136434 |
| | Chromium | 961 | 1000 | 96 | 90 - 110 | P | 07/11/2025 | 03:17 | LB136434 |
| | Cobalt | 2330 | 2500 | 93 | 90 - 110 | P | 07/11/2025 | 03:17 | LB136434 |
| | Copper | 1180 | 1250 | 94 | 90 - 110 | P | 07/11/2025 | 03:17 | LB136434 |
| | Iron | 4630 | 5000 | 93 | 90 - 110 | P | 07/11/2025 | 03:17 | LB136434 |
| | Lead | 4670 | 5000 | 93 | 90 - 110 | P | 07/11/2025 | 03:17 | LB136434 |
| | Magnesium | 23600 | 25000 | 94 | 90 - 110 | P | 07/11/2025 | 03:17 | LB136434 |
| | Manganese | 2400 | 2500 | 96 | 90 - 110 | P | 07/11/2025 | 03:17 | LB136434 |
| | Nickel | 2320 | 2500 | 93 | 90 - 110 | P | 07/11/2025 | 03:17 | LB136434 |
| | Potassium | 23800 | 25000 | 95 | 90 - 110 | P | 07/11/2025 | 03:17 | LB136434 |
| | Selenium | 4670 | 5000 | 94 | 90 - 110 | P | 07/11/2025 | 03:17 | LB136434 |
| | Silver | 1200 | 1250 | 96 | 90 - 110 | P | 07/11/2025 | 03:17 | LB136434 |
| | Sodium | 24200 | 25000 | 97 | 90 - 110 | P | 07/11/2025 | 03:17 | LB136434 |
| | Thallium | 4710 | 5000 | 94 | 90 - 110 | P | 07/11/2025 | 03:17 | LB136434 |
| | Vanadium | 2420 | 2500 | 97 | 90 - 110 | P | 07/11/2025 | 03:17 | LB136434 |
| | Zinc | 2380 | 2500 | 95 | 90 - 110 | P | 07/11/2025 | 03:17 | LB136434 |
| CCV08 | Aluminum | 9520 | 10000 | 95 | 90 - 110 | P | 07/11/2025 | 04:18 | LB136434 |
| | Antimony | 4760 | 5000 | 95 | 90 - 110 | P | 07/11/2025 | 04:18 | LB136434 |
| | Arsenic | 4790 | 5000 | 96 | 90 - 110 | P | 07/11/2025 | 04:18 | LB136434 |
| | Barium | 9730 | 10000 | 97 | 90 - 110 | P | 07/11/2025 | 04:18 | LB136434 |
| | Beryllium | 244 | 250 | 98 | 90 - 110 | P | 07/11/2025 | 04:18 | LB136434 |
| | Cadmium | 2400 | 2500 | 96 | 90 - 110 | P | 07/11/2025 | 04:18 | LB136434 |
| | Calcium | 23800 | 25000 | 95 | 90 - 110 | P | 07/11/2025 | 04:18 | LB136434 |
| | Chromium | 987 | 1000 | 99 | 90 - 110 | P | 07/11/2025 | 04:18 | LB136434 |
| | Cobalt | 2390 | 2500 | 96 | 90 - 110 | P | 07/11/2025 | 04:18 | LB136434 |
| | Copper | 1220 | 1250 | 98 | 90 - 110 | P | 07/11/2025 | 04:18 | LB136434 |
| | Iron | 4780 | 5000 | 96 | 90 - 110 | P | 07/11/2025 | 04:18 | LB136434 |
| | Lead | 4820 | 5000 | 96 | 90 - 110 | P | 07/11/2025 | 04:18 | LB136434 |
| | Magnesium | 23700 | 25000 | 95 | 90 - 110 | P | 07/11/2025 | 04:18 | LB136434 |
| | Manganese | 2430 | 2500 | 97 | 90 - 110 | P | 07/11/2025 | 04:18 | LB136434 |
| | Nickel | 2370 | 2500 | 95 | 90 - 110 | P | 07/11/2025 | 04:18 | LB136434 |
| | Potassium | 26600 | 25000 | 106 | 90 - 110 | P | 07/11/2025 | 04:18 | LB136434 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 4720 | 5000 | 94 | 90 - 110 | P | 07/11/2025 | 04:18 | LB136434 |
| | Silver | 1220 | 1250 | 98 | 90 - 110 | P | 07/11/2025 | 04:18 | LB136434 |
| | Sodium | 26800 | 25000 | 107 | 90 - 110 | P | 07/11/2025 | 04:18 | LB136434 |
| | Thallium | 4790 | 5000 | 96 | 90 - 110 | P | 07/11/2025 | 04:18 | LB136434 |
| | Vanadium | 2470 | 2500 | 99 | 90 - 110 | P | 07/11/2025 | 04:18 | LB136434 |
| | Zinc | 2440 | 2500 | 98 | 90 - 110 | P | 07/11/2025 | 04:18 | LB136434 |
| CCV09 | Aluminum | 9800 | 10000 | 98 | 90 - 110 | P | 07/11/2025 | 05:19 | LB136434 |
| | Antimony | 4830 | 5000 | 96 | 90 - 110 | P | 07/11/2025 | 05:19 | LB136434 |
| | Arsenic | 4770 | 5000 | 96 | 90 - 110 | P | 07/11/2025 | 05:19 | LB136434 |
| | Barium | 9960 | 10000 | 100 | 90 - 110 | P | 07/11/2025 | 05:19 | LB136434 |
| | Beryllium | 246 | 250 | 99 | 90 - 110 | P | 07/11/2025 | 05:19 | LB136434 |
| | Cadmium | 2380 | 2500 | 95 | 90 - 110 | P | 07/11/2025 | 05:19 | LB136434 |
| | Calcium | 24400 | 25000 | 97 | 90 - 110 | P | 07/11/2025 | 05:19 | LB136434 |
| | Chromium | 1000 | 1000 | 100 | 90 - 110 | P | 07/11/2025 | 05:19 | LB136434 |
| | Cobalt | 2400 | 2500 | 96 | 90 - 110 | P | 07/11/2025 | 05:19 | LB136434 |
| | Copper | 1250 | 1250 | 100 | 90 - 110 | P | 07/11/2025 | 05:19 | LB136434 |
| | Iron | 4810 | 5000 | 96 | 90 - 110 | P | 07/11/2025 | 05:19 | LB136434 |
| | Lead | 4770 | 5000 | 96 | 90 - 110 | P | 07/11/2025 | 05:19 | LB136434 |
| | Magnesium | 24200 | 25000 | 97 | 90 - 110 | P | 07/11/2025 | 05:19 | LB136434 |
| | Manganese | 2490 | 2500 | 100 | 90 - 110 | P | 07/11/2025 | 05:19 | LB136434 |
| | Nickel | 2370 | 2500 | 95 | 90 - 110 | P | 07/11/2025 | 05:19 | LB136434 |
| | Potassium | 25600 | 25000 | 102 | 90 - 110 | P | 07/11/2025 | 05:19 | LB136434 |
| | Selenium | 4720 | 5000 | 94 | 90 - 110 | P | 07/11/2025 | 05:19 | LB136434 |
| | Silver | 1240 | 1250 | 99 | 90 - 110 | P | 07/11/2025 | 05:19 | LB136434 |
| | Sodium | 26100 | 25000 | 104 | 90 - 110 | P | 07/11/2025 | 05:19 | LB136434 |
| | Thallium | 4770 | 5000 | 96 | 90 - 110 | P | 07/11/2025 | 05:19 | LB136434 |
| | Vanadium | 2540 | 2500 | 102 | 90 - 110 | P | 07/11/2025 | 05:19 | LB136434 |
| | Zinc | 2500 | 2500 | 100 | 90 - 110 | P | 07/11/2025 | 05:19 | LB136434 |
| CCV10 | Aluminum | 9570 | 10000 | 96 | 90 - 110 | P | 07/11/2025 | 06:16 | LB136434 |
| | Antimony | 4770 | 5000 | 95 | 90 - 110 | P | 07/11/2025 | 06:16 | LB136434 |
| | Arsenic | 4790 | 5000 | 96 | 90 - 110 | P | 07/11/2025 | 06:16 | LB136434 |
| | Barium | 9830 | 10000 | 98 | 90 - 110 | P | 07/11/2025 | 06:16 | LB136434 |
| | Beryllium | 242 | 250 | 97 | 90 - 110 | P | 07/11/2025 | 06:16 | LB136434 |
| | Cadmium | 2390 | 2500 | 96 | 90 - 110 | P | 07/11/2025 | 06:16 | LB136434 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 23700 | 25000 | 95 | 90 - 110 | P | 07/11/2025 | 06:16 | LB136434 |
| | Chromium | 988 | 1000 | 99 | 90 - 110 | P | 07/11/2025 | 06:16 | LB136434 |
| | Cobalt | 2390 | 2500 | 96 | 90 - 110 | P | 07/11/2025 | 06:16 | LB136434 |
| | Copper | 1220 | 1250 | 98 | 90 - 110 | P | 07/11/2025 | 06:16 | LB136434 |
| | Iron | 4700 | 5000 | 94 | 90 - 110 | P | 07/11/2025 | 06:16 | LB136434 |
| | Lead | 4800 | 5000 | 96 | 90 - 110 | P | 07/11/2025 | 06:16 | LB136434 |
| | Magnesium | 23600 | 25000 | 94 | 90 - 110 | P | 07/11/2025 | 06:16 | LB136434 |
| | Manganese | 2440 | 2500 | 98 | 90 - 110 | P | 07/11/2025 | 06:16 | LB136434 |
| | Nickel | 2360 | 2500 | 94 | 90 - 110 | P | 07/11/2025 | 06:16 | LB136434 |
| | Potassium | 26000 | 25000 | 104 | 90 - 110 | P | 07/11/2025 | 06:16 | LB136434 |
| | Selenium | 4710 | 5000 | 94 | 90 - 110 | P | 07/11/2025 | 06:16 | LB136434 |
| | Silver | 1210 | 1250 | 97 | 90 - 110 | P | 07/11/2025 | 06:16 | LB136434 |
| | Sodium | 26700 | 25000 | 107 | 90 - 110 | P | 07/11/2025 | 06:16 | LB136434 |
| | Thallium | 4770 | 5000 | 95 | 90 - 110 | P | 07/11/2025 | 06:16 | LB136434 |
| | Vanadium | 2490 | 2500 | 100 | 90 - 110 | P | 07/11/2025 | 06:16 | LB136434 |
| | Zinc | 2470 | 2500 | 99 | 90 - 110 | P | 07/11/2025 | 06:16 | LB136434 |
| CCV11 | Aluminum | 9570 | 10000 | 96 | 90 - 110 | P | 07/11/2025 | 06:43 | LB136434 |
| | Antimony | 4730 | 5000 | 95 | 90 - 110 | P | 07/11/2025 | 06:43 | LB136434 |
| | Arsenic | 4750 | 5000 | 95 | 90 - 110 | P | 07/11/2025 | 06:43 | LB136434 |
| | Barium | 9790 | 10000 | 98 | 90 - 110 | P | 07/11/2025 | 06:43 | LB136434 |
| | Beryllium | 241 | 250 | 96 | 90 - 110 | P | 07/11/2025 | 06:43 | LB136434 |
| | Cadmium | 2370 | 2500 | 95 | 90 - 110 | P | 07/11/2025 | 06:43 | LB136434 |
| | Calcium | 23900 | 25000 | 95 | 90 - 110 | P | 07/11/2025 | 06:43 | LB136434 |
| | Chromium | 982 | 1000 | 98 | 90 - 110 | P | 07/11/2025 | 06:43 | LB136434 |
| | Cobalt | 2370 | 2500 | 95 | 90 - 110 | P | 07/11/2025 | 06:43 | LB136434 |
| | Copper | 1210 | 1250 | 97 | 90 - 110 | P | 07/11/2025 | 06:43 | LB136434 |
| | Iron | 4700 | 5000 | 94 | 90 - 110 | P | 07/11/2025 | 06:43 | LB136434 |
| | Lead | 4770 | 5000 | 95 | 90 - 110 | P | 07/11/2025 | 06:43 | LB136434 |
| | Magnesium | 23700 | 25000 | 95 | 90 - 110 | P | 07/11/2025 | 06:43 | LB136434 |
| | Manganese | 2440 | 2500 | 98 | 90 - 110 | P | 07/11/2025 | 06:43 | LB136434 |
| | Nickel | 2340 | 2500 | 94 | 90 - 110 | P | 07/11/2025 | 06:43 | LB136434 |
| | Potassium | 25900 | 25000 | 103 | 90 - 110 | P | 07/11/2025 | 06:43 | LB136434 |
| | Selenium | 4660 | 5000 | 93 | 90 - 110 | P | 07/11/2025 | 06:43 | LB136434 |
| | Silver | 1210 | 1250 | 97 | 90 - 110 | P | 07/11/2025 | 06:43 | LB136434 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 26400 | 25000 | 106 | 90 - 110 | P | 07/11/2025 | 06:43 | LB136434 |
| | Thallium | 4710 | 5000 | 94 | 90 - 110 | P | 07/11/2025 | 06:43 | LB136434 |
| | Vanadium | 2460 | 2500 | 98 | 90 - 110 | P | 07/11/2025 | 06:43 | LB136434 |
| | Zinc | 2440 | 2500 | 98 | 90 - 110 | P | 07/11/2025 | 06:43 | LB136434 |

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Fax : 908 789 8922



# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 7880 | 8000 | 98 | 90 - 110 | P | 07/17/2025 | 14:14 | LB136534 |
| | Antimony | 4110 | 4000 | 103 | 90 - 110 | P | 07/17/2025 | 14:14 | LB136534 |
| | Arsenic | 3840 | 4000 | 96 | 90 - 110 | P | 07/17/2025 | 14:14 | LB136534 |
| | Barium | 8020 | 8000 | 100 | 90 - 110 | P | 07/17/2025 | 14:14 | LB136534 |
| | Beryllium | 200 | 200 | 100 | 90 - 110 | P | 07/17/2025 | 14:14 | LB136534 |
| | Cadmium | 1950 | 2000 | 97 | 90 - 110 | P | 07/17/2025 | 14:14 | LB136534 |
| | Calcium | 19900 | 20000 | 99 | 90 - 110 | P | 07/17/2025 | 14:14 | LB136534 |
| | Chromium | 791 | 800 | 99 | 90 - 110 | P | 07/17/2025 | 14:14 | LB136534 |
| | Cobalt | 2000 | 2000 | 100 | 90 - 110 | P | 07/17/2025 | 14:14 | LB136534 |
| | Copper | 1020 | 1000 | 102 | 90 - 110 | P | 07/17/2025 | 14:14 | LB136534 |
| | Iron | 3850 | 4000 | 96 | 90 - 110 | P | 07/17/2025 | 14:14 | LB136534 |
| | Lead | 3860 | 4000 | 96 | 90 - 110 | P | 07/17/2025 | 14:14 | LB136534 |
| | Magnesium | 20100 | 20000 | 101 | 90 - 110 | P | 07/17/2025 | 14:14 | LB136534 |
| | Manganese | 2000 | 2000 | 100 | 90 - 110 | P | 07/17/2025 | 14:14 | LB136534 |
| | Nickel | 1990 | 2000 | 99 | 90 - 110 | P | 07/17/2025 | 14:14 | LB136534 |
| | Potassium | 18100 | 20000 | 91 | 90 - 110 | P | 07/17/2025 | 14:14 | LB136534 |
| | Selenium | 3940 | 4000 | 98 | 90 - 110 | P | 07/17/2025 | 14:14 | LB136534 |
| | Silver | 936 | 1000 | 94 | 90 - 110 | P | 07/17/2025 | 14:14 | LB136534 |
| | Sodium | 18700 | 20000 | 94 | 90 - 110 | P | 07/17/2025 | 14:14 | LB136534 |
| | Thallium | 3850 | 4000 | 96 | 90 - 110 | P | 07/17/2025 | 14:14 | LB136534 |
| | Vanadium | 2000 | 2000 | 100 | 90 - 110 | P | 07/17/2025 | 14:14 | LB136534 |
| | Zinc | 2010 | 2000 | 100 | 90 - 110 | P | 07/17/2025 | 14:14 | LB136534 |

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# Metals

## - 2a -
## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 119 | 100 | 119 | 80 - 120 | P | 07/17/2025 | 14:24 | LB136534 |
| | Antimony | 52.4 | 50.0 | 105 | 80 - 120 | P | 07/17/2025 | 14:24 | LB136534 |
| | Arsenic | 16.9 | 20.0 | 84 | 80 - 120 | P | 07/17/2025 | 14:24 | LB136534 |
| | Barium | 102 | 100 | 102 | 80 - 120 | P | 07/17/2025 | 14:24 | LB136534 |
| | Beryllium | 6.21 | 6.0 | 104 | 80 - 120 | P | 07/17/2025 | 14:24 | LB136534 |
| | Cadmium | 5.65 | 6.0 | 94 | 80 - 120 | P | 07/17/2025 | 14:24 | LB136534 |
| | Calcium | 2050 | 2000 | 103 | 80 - 120 | P | 07/17/2025 | 14:24 | LB136534 |
| | Chromium | 10.2 | 10.0 | 102 | 80 - 120 | P | 07/17/2025 | 14:24 | LB136534 |
| | Cobalt | 30.3 | 30.0 | 101 | 80 - 120 | P | 07/17/2025 | 14:24 | LB136534 |
| | Copper | 21.3 | 20.0 | 107 | 80 - 120 | P | 07/17/2025 | 14:24 | LB136534 |
| | Iron | 110 | 100 | 110 | 80 - 120 | P | 07/17/2025 | 14:24 | LB136534 |
| | Lead | 10.9 | 12.0 | 91 | 80 - 120 | P | 07/17/2025 | 14:24 | LB136534 |
| | Magnesium | 2220 | 2000 | 111 | 80 - 120 | P | 07/17/2025 | 14:24 | LB136534 |
| | Manganese | 21.1 | 20.0 | 106 | 80 - 120 | P | 07/17/2025 | 14:24 | LB136534 |
| | Nickel | 39.7 | 40.0 | 99 | 80 - 120 | P | 07/17/2025 | 14:24 | LB136534 |
| | Potassium | 1740 | 2000 | 87 | 80 - 120 | P | 07/17/2025 | 14:24 | LB136534 |
| | Selenium | 17.6 | 20.0 | 88 | 80 - 120 | P | 07/17/2025 | 14:24 | LB136534 |
| | Silver | 10.5 | 10.0 | 105 | 80 - 120 | P | 07/17/2025 | 14:24 | LB136534 |
| | Sodium | 1750 | 2000 | 87 | 80 - 120 | P | 07/17/2025 | 14:24 | LB136534 |
| | Thallium | 41.1 | 40.0 | 103 | 80 - 120 | P | 07/17/2025 | 14:24 | LB136534 |
| | Vanadium | 40.0 | 40.0 | 100 | 80 - 120 | P | 07/17/2025 | 14:24 | LB136534 |
| | Zinc | 42.6 | 40.0 | 106 | 80 - 120 | P | 07/17/2025 | 14:24 | LB136534 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 9950 | 10000 | 100 | 90 - 110 | P | 07/17/2025 | 14:56 | LB136534 |
| | Antimony | 5020 | 5000 | 100 | 90 - 110 | P | 07/17/2025 | 14:56 | LB136534 |
| | Arsenic | 4950 | 5000 | 99 | 90 - 110 | P | 07/17/2025 | 14:56 | LB136534 |
| | Barium | 10100 | 10000 | 101 | 90 - 110 | P | 07/17/2025 | 14:56 | LB136534 |
| | Beryllium | 254 | 250 | 102 | 90 - 110 | P | 07/17/2025 | 14:56 | LB136534 |
| | Cadmium | 2500 | 2500 | 100 | 90 - 110 | P | 07/17/2025 | 14:56 | LB136534 |
| | Calcium | 25100 | 25000 | 101 | 90 - 110 | P | 07/17/2025 | 14:56 | LB136534 |
| | Chromium | 1020 | 1000 | 102 | 90 - 110 | P | 07/17/2025 | 14:56 | LB136534 |
| | Cobalt | 2500 | 2500 | 100 | 90 - 110 | P | 07/17/2025 | 14:56 | LB136534 |
| | Copper | 1260 | 1250 | 101 | 90 - 110 | P | 07/17/2025 | 14:56 | LB136534 |
| | Iron | 5020 | 5000 | 100 | 90 - 110 | P | 07/17/2025 | 14:56 | LB136534 |
| | Lead | 4990 | 5000 | 100 | 90 - 110 | P | 07/17/2025 | 14:56 | LB136534 |
| | Magnesium | 25100 | 25000 | 100 | 90 - 110 | P | 07/17/2025 | 14:56 | LB136534 |
| | Manganese | 2510 | 2500 | 100 | 90 - 110 | P | 07/17/2025 | 14:56 | LB136534 |
| | Nickel | 2500 | 2500 | 100 | 90 - 110 | P | 07/17/2025 | 14:56 | LB136534 |
| | Potassium | 25400 | 25000 | 102 | 90 - 110 | P | 07/17/2025 | 14:56 | LB136534 |
| | Selenium | 5010 | 5000 | 100 | 90 - 110 | P | 07/17/2025 | 14:56 | LB136534 |
| | Silver | 1270 | 1250 | 102 | 90 - 110 | P | 07/17/2025 | 14:56 | LB136534 |
| | Sodium | 25400 | 25000 | 102 | 90 - 110 | P | 07/17/2025 | 14:56 | LB136534 |
| | Thallium | 5050 | 5000 | 101 | 90 - 110 | P | 07/17/2025 | 14:56 | LB136534 |
| | Vanadium | 2510 | 2500 | 100 | 90 - 110 | P | 07/17/2025 | 14:56 | LB136534 |
| | Zinc | 2520 | 2500 | 101 | 90 - 110 | P | 07/17/2025 | 14:56 | LB136534 |
| CCV02 | Aluminum | 9800 | 10000 | 98 | 90 - 110 | P | 07/17/2025 | 15:44 | LB136534 |
| | Antimony | 4760 | 5000 | 95 | 90 - 110 | P | 07/17/2025 | 15:44 | LB136534 |
| | Arsenic | 4730 | 5000 | 95 | 90 - 110 | P | 07/17/2025 | 15:44 | LB136534 |
| | Barium | 9920 | 10000 | 99 | 90 - 110 | P | 07/17/2025 | 15:44 | LB136534 |
| | Beryllium | 250 | 250 | 100 | 90 - 110 | P | 07/17/2025 | 15:44 | LB136534 |
| | Cadmium | 2410 | 2500 | 96 | 90 - 110 | P | 07/17/2025 | 15:44 | LB136534 |
| | Calcium | 24700 | 25000 | 99 | 90 - 110 | P | 07/17/2025 | 15:44 | LB136534 |
| | Chromium | 986 | 1000 | 99 | 90 - 110 | P | 07/17/2025 | 15:44 | LB136534 |
| | Cobalt | 2390 | 2500 | 96 | 90 - 110 | P | 07/17/2025 | 15:44 | LB136534 |
| | Copper | 1240 | 1250 | 100 | 90 - 110 | P | 07/17/2025 | 15:44 | LB136534 |
| | Iron | 4950 | 5000 | 99 | 90 - 110 | P | 07/17/2025 | 15:44 | LB136534 |
| | Lead | 4810 | 5000 | 96 | 90 - 110 | P | 07/17/2025 | 15:44 | LB136534 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 24500 | 25000 | 98 | 90 - 110 | P | 07/17/2025 | 15:44 | LB136534 |
| | Manganese | 2470 | 2500 | 99 | 90 - 110 | P | 07/17/2025 | 15:44 | LB136534 |
| | Nickel | 2400 | 2500 | 96 | 90 - 110 | P | 07/17/2025 | 15:44 | LB136534 |
| | Potassium | 24700 | 25000 | 99 | 90 - 110 | P | 07/17/2025 | 15:44 | LB136534 |
| | Selenium | 4770 | 5000 | 95 | 90 - 110 | P | 07/17/2025 | 15:44 | LB136534 |
| | Silver | 1230 | 1250 | 98 | 90 - 110 | P | 07/17/2025 | 15:44 | LB136534 |
| | Sodium | 24900 | 25000 | 100 | 90 - 110 | P | 07/17/2025 | 15:44 | LB136534 |
| | Thallium | 4820 | 5000 | 96 | 90 - 110 | P | 07/17/2025 | 15:44 | LB136534 |
| | Vanadium | 2450 | 2500 | 98 | 90 - 110 | P | 07/17/2025 | 15:44 | LB136534 |
| | Zinc | 2440 | 2500 | 98 | 90 - 110 | P | 07/17/2025 | 15:44 | LB136534 |
| CCV03 | Aluminum | 10100 | 10000 | 101 | 90 - 110 | P | 07/17/2025 | 17:18 | LB136534 |
| | Antimony | 4980 | 5000 | 100 | 90 - 110 | P | 07/17/2025 | 17:18 | LB136534 |
| | Arsenic | 4960 | 5000 | 99 | 90 - 110 | P | 07/17/2025 | 17:18 | LB136534 |
| | Barium | 10100 | 10000 | 101 | 90 - 110 | P | 07/17/2025 | 17:18 | LB136534 |
| | Beryllium | 258 | 250 | 103 | 90 - 110 | P | 07/17/2025 | 17:18 | LB136534 |
| | Cadmium | 2520 | 2500 | 101 | 90 - 110 | P | 07/17/2025 | 17:18 | LB136534 |
| | Calcium | 25300 | 25000 | 101 | 90 - 110 | P | 07/17/2025 | 17:18 | LB136534 |
| | Chromium | 1020 | 1000 | 102 | 90 - 110 | P | 07/17/2025 | 17:18 | LB136534 |
| | Cobalt | 2510 | 2500 | 100 | 90 - 110 | P | 07/17/2025 | 17:18 | LB136534 |
| | Copper | 1280 | 1250 | 103 | 90 - 110 | P | 07/17/2025 | 17:18 | LB136534 |
| | Iron | 5110 | 5000 | 102 | 90 - 110 | P | 07/17/2025 | 17:18 | LB136534 |
| | Lead | 5040 | 5000 | 101 | 90 - 110 | P | 07/17/2025 | 17:18 | LB136534 |
| | Magnesium | 25000 | 25000 | 100 | 90 - 110 | P | 07/17/2025 | 17:18 | LB136534 |
| | Manganese | 2510 | 2500 | 100 | 90 - 110 | P | 07/17/2025 | 17:18 | LB136534 |
| | Nickel | 2510 | 2500 | 100 | 90 - 110 | P | 07/17/2025 | 17:18 | LB136534 |
| | Potassium | 25600 | 25000 | 102 | 90 - 110 | P | 07/17/2025 | 17:18 | LB136534 |
| | Selenium | 4980 | 5000 | 100 | 90 - 110 | P | 07/17/2025 | 17:18 | LB136534 |
| | Silver | 1270 | 1250 | 101 | 90 - 110 | P | 07/17/2025 | 17:18 | LB136534 |
| | Sodium | 25800 | 25000 | 103 | 90 - 110 | P | 07/17/2025 | 17:18 | LB136534 |
| | Thallium | 5050 | 5000 | 101 | 90 - 110 | P | 07/17/2025 | 17:18 | LB136534 |
| | Vanadium | 2510 | 2500 | 100 | 90 - 110 | P | 07/17/2025 | 17:18 | LB136534 |
| | Zinc | 2500 | 2500 | 100 | 90 - 110 | P | 07/17/2025 | 17:18 | LB136534 |
| CCV04 | Aluminum | 10000 | 10000 | 100 | 90 - 110 | P | 07/17/2025 | 18:45 | LB136534 |
| | Antimony | 4990 | 5000 | 100 | 90 - 110 | P | 07/17/2025 | 18:45 | LB136534 |

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# Metals

## - 2a -
## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 4880 | 5000 | 98 | 90 - 110 | P | 07/17/2025 | 18:45 | LB136534 |
| | Barium | 10200 | 10000 | 102 | 90 - 110 | P | 07/17/2025 | 18:45 | LB136534 |
| | Beryllium | 246 | 250 | 98 | 90 - 110 | P | 07/17/2025 | 18:45 | LB136534 |
| | Cadmium | 2470 | 2500 | 99 | 90 - 110 | P | 07/17/2025 | 18:45 | LB136534 |
| | Calcium | 25000 | 25000 | 100 | 90 - 110 | P | 07/17/2025 | 18:45 | LB136534 |
| | Chromium | 1010 | 1000 | 101 | 90 - 110 | P | 07/17/2025 | 18:45 | LB136534 |
| | Cobalt | 2480 | 2500 | 99 | 90 - 110 | P | 07/17/2025 | 18:45 | LB136534 |
| | Copper | 1240 | 1250 | 99 | 90 - 110 | P | 07/17/2025 | 18:45 | LB136534 |
| | Iron | 4990 | 5000 | 100 | 90 - 110 | P | 07/17/2025 | 18:45 | LB136534 |
| | Lead | 4940 | 5000 | 99 | 90 - 110 | P | 07/17/2025 | 18:45 | LB136534 |
| | Magnesium | 24600 | 25000 | 98 | 90 - 110 | P | 07/17/2025 | 18:45 | LB136534 |
| | Manganese | 2450 | 2500 | 98 | 90 - 110 | P | 07/17/2025 | 18:45 | LB136534 |
| | Nickel | 2490 | 2500 | 100 | 90 - 110 | P | 07/17/2025 | 18:45 | LB136534 |
| | Potassium | 23500 | 25000 | 94 | 90 - 110 | P | 07/17/2025 | 18:45 | LB136534 |
| | Selenium | 4950 | 5000 | 99 | 90 - 110 | P | 07/17/2025 | 18:45 | LB136534 |
| | Silver | 1240 | 1250 | 99 | 90 - 110 | P | 07/17/2025 | 18:45 | LB136534 |
| | Sodium | 24000 | 25000 | 96 | 90 - 110 | P | 07/17/2025 | 18:45 | LB136534 |
| | Thallium | 4990 | 5000 | 100 | 90 - 110 | P | 07/17/2025 | 18:45 | LB136534 |
| | Vanadium | 2470 | 2500 | 99 | 90 - 110 | P | 07/17/2025 | 18:45 | LB136534 |
| | Zinc | 2490 | 2500 | 100 | 90 - 110 | P | 07/17/2025 | 18:45 | LB136534 |
| CCV05 | Aluminum | 10100 | 10000 | 101 | 90 - 110 | P | 07/17/2025 | 20:11 | LB136534 |
| | Antimony | 4990 | 5000 | 100 | 90 - 110 | P | 07/17/2025 | 20:11 | LB136534 |
| | Arsenic | 5000 | 5000 | 100 | 90 - 110 | P | 07/17/2025 | 20:11 | LB136534 |
| | Barium | 10300 | 10000 | 103 | 90 - 110 | P | 07/17/2025 | 20:11 | LB136534 |
| | Beryllium | 247 | 250 | 99 | 90 - 110 | P | 07/17/2025 | 20:11 | LB136534 |
| | Cadmium | 2550 | 2500 | 102 | 90 - 110 | P | 07/17/2025 | 20:11 | LB136534 |
| | Calcium | 25200 | 25000 | 101 | 90 - 110 | P | 07/17/2025 | 20:11 | LB136534 |
| | Chromium | 1010 | 1000 | 101 | 90 - 110 | P | 07/17/2025 | 20:11 | LB136534 |
| | Cobalt | 2510 | 2500 | 100 | 90 - 110 | P | 07/17/2025 | 20:11 | LB136534 |
| | Copper | 1240 | 1250 | 99 | 90 - 110 | P | 07/17/2025 | 20:11 | LB136534 |
| | Iron | 5000 | 5000 | 100 | 90 - 110 | P | 07/17/2025 | 20:11 | LB136534 |
| | Lead | 5070 | 5000 | 101 | 90 - 110 | P | 07/17/2025 | 20:11 | LB136534 |
| | Magnesium | 24600 | 25000 | 99 | 90 - 110 | P | 07/17/2025 | 20:11 | LB136534 |
| | Manganese | 2470 | 2500 | 99 | 90 - 110 | P | 07/17/2025 | 20:11 | LB136534 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | 2520 | 2500 | 101 | 90 - 110 | P | 07/17/2025 | 20:11 | LB136534 |
| | Potassium | 25100 | 25000 | 100 | 90 - 110 | P | 07/17/2025 | 20:11 | LB136534 |
| | Selenium | 5040 | 5000 | 101 | 90 - 110 | P | 07/17/2025 | 20:11 | LB136534 |
| | Silver | 1250 | 1250 | 100 | 90 - 110 | P | 07/17/2025 | 20:11 | LB136534 |
| | Sodium | 25500 | 25000 | 102 | 90 - 110 | P | 07/17/2025 | 20:11 | LB136534 |
| | Thallium | 5070 | 5000 | 101 | 90 - 110 | P | 07/17/2025 | 20:11 | LB136534 |
| | Vanadium | 2490 | 2500 | 100 | 90 - 110 | P | 07/17/2025 | 20:11 | LB136534 |
| | Zinc | 2500 | 2500 | 100 | 90 - 110 | P | 07/17/2025 | 20:11 | LB136534 |
| CCV06 | Aluminum | 10300 | 10000 | 103 | 90 - 110 | P | 07/17/2025 | 20:46 | LB136534 |
| | Antimony | 4990 | 5000 | 100 | 90 - 110 | P | 07/17/2025 | 20:46 | LB136534 |
| | Arsenic | 4910 | 5000 | 98 | 90 - 110 | P | 07/17/2025 | 20:46 | LB136534 |
| | Barium | 10400 | 10000 | 104 | 90 - 110 | P | 07/17/2025 | 20:46 | LB136534 |
| | Beryllium | 252 | 250 | 101 | 90 - 110 | P | 07/17/2025 | 20:46 | LB136534 |
| | Cadmium | 2500 | 2500 | 100 | 90 - 110 | P | 07/17/2025 | 20:46 | LB136534 |
| | Calcium | 25300 | 25000 | 101 | 90 - 110 | P | 07/17/2025 | 20:46 | LB136534 |
| | Chromium | 1000 | 1000 | 100 | 90 - 110 | P | 07/17/2025 | 20:46 | LB136534 |
| | Cobalt | 2480 | 2500 | 99 | 90 - 110 | P | 07/17/2025 | 20:46 | LB136534 |
| | Copper | 1260 | 1250 | 101 | 90 - 110 | P | 07/17/2025 | 20:46 | LB136534 |
| | Iron | 5150 | 5000 | 103 | 90 - 110 | P | 07/17/2025 | 20:46 | LB136534 |
| | Lead | 4960 | 5000 | 99 | 90 - 110 | P | 07/17/2025 | 20:46 | LB136534 |
| | Magnesium | 24900 | 25000 | 100 | 90 - 110 | P | 07/17/2025 | 20:46 | LB136534 |
| | Manganese | 2490 | 2500 | 99 | 90 - 110 | P | 07/17/2025 | 20:46 | LB136534 |
| | Nickel | 2490 | 2500 | 100 | 90 - 110 | P | 07/17/2025 | 20:46 | LB136534 |
| | Potassium | 26800 | 25000 | 107 | 90 - 110 | P | 07/17/2025 | 20:46 | LB136534 |
| | Selenium | 4960 | 5000 | 99 | 90 - 110 | P | 07/17/2025 | 20:46 | LB136534 |
| | Silver | 1240 | 1250 | 99 | 90 - 110 | P | 07/17/2025 | 20:46 | LB136534 |
| | Sodium | 25900 | 25000 | 104 | 90 - 110 | P | 07/17/2025 | 20:46 | LB136534 |
| | Thallium | 5020 | 5000 | 100 | 90 - 110 | P | 07/17/2025 | 20:46 | LB136534 |
| | Vanadium | 2530 | 2500 | 101 | 90 - 110 | P | 07/17/2025 | 20:46 | LB136534 |
| | Zinc | 2510 | 2500 | 100 | 90 - 110 | P | 07/17/2025 | 20:46 | LB136534 |

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# Metals

## - 2b -
## CRDL STANDARD FOR AA & ICP

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

**Initial Calibration Source:**

**Continuing Calibration Source:**

| Sample ID | Analyte | Result ug/L | True Value ug/L | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| CRA | Mercury | 0.20 | 0.2 | 101 | 70 - 130 | CV | 07/07/2025 | 12:02 | LB136380 |
| CRI01 | Aluminum | 114 | 100 | 114 | 65 - 135 | P | 07/09/2025 | 10:26 | LB136407 |
| | Antimony | 53.6 | 50.0 | 107 | 65 - 135 | P | 07/09/2025 | 10:26 | LB136407 |
| | Arsenic | 14.2 | 20.0 | 71 | 65 - 135 | P | 07/09/2025 | 10:26 | LB136407 |
| | Barium | 104 | 100 | 104 | 65 - 135 | P | 07/09/2025 | 10:26 | LB136407 |
| | Beryllium | 6.33 | 6.0 | 105 | 65 - 135 | P | 07/09/2025 | 10:26 | LB136407 |
| | Cadmium | 5.51 | 6.0 | 92 | 65 - 135 | P | 07/09/2025 | 10:26 | LB136407 |
| | Calcium | 1930 | 2000 | 96 | 65 - 135 | P | 07/09/2025 | 10:26 | LB136407 |
| | Chromium | 10.7 | 10.0 | 107 | 65 - 135 | P | 07/09/2025 | 10:26 | LB136407 |
| | Cobalt | 29.1 | 30.0 | 97 | 65 - 135 | P | 07/09/2025 | 10:26 | LB136407 |
| | Copper | 24.1 | 20.0 | 120 | 65 - 135 | P | 07/09/2025 | 10:26 | LB136407 |
| | Iron | 119 | 100 | 119 | 65 - 135 | P | 07/09/2025 | 10:26 | LB136407 |
| | Lead | 11.5 | 12.0 | 96 | 65 - 135 | P | 07/09/2025 | 10:26 | LB136407 |
| | Magnesium | 2060 | 2000 | 103 | 65 - 135 | P | 07/09/2025 | 10:26 | LB136407 |
| | Manganese | 22.6 | 20.0 | 113 | 65 - 135 | P | 07/09/2025 | 10:26 | LB136407 |
| | Nickel | 38.2 | 40.0 | 96 | 65 - 135 | P | 07/09/2025 | 10:26 | LB136407 |
| | Potassium | 1710 | 2000 | 86 | 65 - 135 | P | 07/09/2025 | 10:26 | LB136407 |
| | Selenium | 22.8 | 20.0 | 114 | 65 - 135 | P | 07/09/2025 | 10:26 | LB136407 |
| | Silver | 11.6 | 10.0 | 116 | 65 - 135 | P | 07/09/2025 | 10:26 | LB136407 |
| | Sodium | 1830 | 2000 | 92 | 65 - 135 | P | 07/09/2025 | 10:26 | LB136407 |
| | Thallium | 38.4 | 40.0 | 96 | 65 - 135 | P | 07/09/2025 | 10:26 | LB136407 |
| | Vanadium | 32.0 | 40.0 | 80 | 65 - 135 | P | 07/09/2025 | 10:26 | LB136407 |
| | Zinc | 43.1 | 40.0 | 108 | 65 - 135 | P | 07/09/2025 | 10:26 | LB136407 |
| CRA | Mercury | 0.18 | 0.2 | 90 | 70 - 130 | CV | 07/09/2025 | 11:53 | LB136403 |
| CRI01 | Aluminum | 85.6 | 100 | 86 | 65 - 135 | P | 07/10/2025 | 19:01 | LB136434 |
| | Antimony | 51.2 | 50.0 | 102 | 65 - 135 | P | 07/10/2025 | 19:01 | LB136434 |
| | Arsenic | 20.6 | 20.0 | 103 | 65 - 135 | P | 07/10/2025 | 19:01 | LB136434 |
| | Barium | 96.3 | 100 | 96 | 65 - 135 | P | 07/10/2025 | 19:01 | LB136434 |
| | Beryllium | 6.31 | 6.0 | 105 | 65 - 135 | P | 07/10/2025 | 19:01 | LB136434 |
| | Cadmium | 5.33 | 6.0 | 89 | 65 - 135 | P | 07/10/2025 | 19:01 | LB136434 |
| | Calcium | 2070 | 2000 | 104 | 65 - 135 | P | 07/10/2025 | 19:01 | LB136434 |
| | Chromium | 10.5 | 10.0 | 105 | 65 - 135 | P | 07/10/2025 | 19:01 | LB136434 |
| | Cobalt | 28.4 | 30.0 | 94 | 65 - 135 | P | 07/10/2025 | 19:01 | LB136434 |
| | Copper | 20.6 | 20.0 | 103 | 65 - 135 | P | 07/10/2025 | 19:01 | LB136434 |
| | Iron | 116 | 100 | 116 | 65 - 135 | P | 07/10/2025 | 19:01 | LB136434 |

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# Metals

## - 2b -
## CRDL STANDARD FOR AA & ICP

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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 | Lead | 12.4 | 12.0 | 103 | 65 - 135 | P | 07/10/2025 | 19:01 | LB136434 |
| | Magnesium | 2140 | 2000 | 107 | 65 - 135 | P | 07/10/2025 | 19:01 | LB136434 |
| | Manganese | 21.9 | 20.0 | 110 | 65 - 135 | P | 07/10/2025 | 19:01 | LB136434 |
| | Nickel | 37.1 | 40.0 | 93 | 65 - 135 | P | 07/10/2025 | 19:01 | LB136434 |
| | Potassium | 1770 | 2000 | 89 | 65 - 135 | P | 07/10/2025 | 19:01 | LB136434 |
| | Selenium | 16.7 | 20.0 | 84 | 65 - 135 | P | 07/10/2025 | 19:01 | LB136434 |
| | Silver | 10.5 | 10.0 | 105 | 65 - 135 | P | 07/10/2025 | 19:01 | LB136434 |
| | Sodium | 1780 | 2000 | 89 | 65 - 135 | P | 07/10/2025 | 19:01 | LB136434 |
| | Thallium | 37.7 | 40.0 | 94 | 65 - 135 | P | 07/10/2025 | 19:01 | LB136434 |
| | Vanadium | 28.3 | 40.0 | 71 | 65 - 135 | P | 07/10/2025 | 19:01 | LB136434 |
| | Zinc | 44.6 | 40.0 | 112 | 65 - 135 | P | 07/10/2025 | 19:01 | LB136434 |
| CRI01 | Aluminum | 101 | 100 | 101 | 65 - 135 | P | 07/17/2025 | 14:39 | LB136534 |
| | Antimony | 54.0 | 50.0 | 108 | 65 - 135 | P | 07/17/2025 | 14:39 | LB136534 |
| | Arsenic | 15.4 | 20.0 | 77 | 65 - 135 | P | 07/17/2025 | 14:39 | LB136534 |
| | Barium | 101 | 100 | 102 | 65 - 135 | P | 07/17/2025 | 14:39 | LB136534 |
| | Beryllium | 6.31 | 6.0 | 105 | 65 - 135 | P | 07/17/2025 | 14:39 | LB136534 |
| | Cadmium | 5.72 | 6.0 | 95 | 65 - 135 | P | 07/17/2025 | 14:39 | LB136534 |
| | Calcium | 2060 | 2000 | 103 | 65 - 135 | P | 07/17/2025 | 14:39 | LB136534 |
| | Chromium | 10.2 | 10.0 | 102 | 65 - 135 | P | 07/17/2025 | 14:39 | LB136534 |
| | Cobalt | 30.4 | 30.0 | 101 | 65 - 135 | P | 07/17/2025 | 14:39 | LB136534 |
| | Copper | 22.2 | 20.0 | 111 | 65 - 135 | P | 07/17/2025 | 14:39 | LB136534 |
| | Iron | 110 | 100 | 110 | 65 - 135 | P | 07/17/2025 | 14:39 | LB136534 |
| | Lead | 11.9 | 12.0 | 99 | 65 - 135 | P | 07/17/2025 | 14:39 | LB136534 |
| | Magnesium | 2300 | 2000 | 115 | 65 - 135 | P | 07/17/2025 | 14:39 | LB136534 |
| | Manganese | 21.5 | 20.0 | 108 | 65 - 135 | P | 07/17/2025 | 14:39 | LB136534 |
| | Nickel | 39.6 | 40.0 | 99 | 65 - 135 | P | 07/17/2025 | 14:39 | LB136534 |
| | Potassium | 1760 | 2000 | 88 | 65 - 135 | P | 07/17/2025 | 14:39 | LB136534 |
| | Selenium | 19.6 | 20.0 | 98 | 65 - 135 | P | 07/17/2025 | 14:39 | LB136534 |
| | Silver | 9.57 | 10.0 | 96 | 65 - 135 | P | 07/17/2025 | 14:39 | LB136534 |
| | Sodium | 1770 | 2000 | 88 | 65 - 135 | P | 07/17/2025 | 14:39 | LB136534 |
| | Thallium | 40.3 | 40.0 | 101 | 65 - 135 | P | 07/17/2025 | 14:39 | LB136534 |
| | Vanadium | 38.6 | 40.0 | 96 | 65 - 135 | P | 07/17/2025 | 14:39 | LB136534 |
| | Zinc | 43.0 | 40.0 | 108 | 65 - 135 | P | 07/17/2025 | 14:39 | LB136534 |

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# Metals
## - 4 -
## INTERFERENCE CHECK SAMPLE

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

**ICS Source:** EPA **Instrument ID:** P5

| 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 | 245000 | 250000 | 98 | 216000 | 294000 | 07/09/2025 | 10:31 | LB136407 |
| | Antimony | 23.3 | | | -50 | 50 | 07/09/2025 | 10:31 | LB136407 |
| | Arsenic | 5.46 | | | -20 | 20 | 07/09/2025 | 10:31 | LB136407 |
| | Barium | 8.02 | 6.0 | 134 | -94 | 106 | 07/09/2025 | 10:31 | LB136407 |
| | Beryllium | 1.50 | | | -6 | 6 | 07/09/2025 | 10:31 | LB136407 |
| | Cadmium | -0.43 | 1.0 | 43 | -5 | 7 | 07/09/2025 | 10:31 | LB136407 |
| | Calcium | 242000 | 240000 | 101 | 208000 | 282000 | 07/09/2025 | 10:31 | LB136407 |
| | Chromium | 52.2 | 52.0 | 100 | 42 | 62 | 07/09/2025 | 10:31 | LB136407 |
| | Cobalt | 27.0 | | | -30 | 30 | 07/09/2025 | 10:31 | LB136407 |
| | Copper | -4.74 | 2.0 | 237 | -18 | 22 | 07/09/2025 | 10:31 | LB136407 |
| | Iron | 96800 | 100000 | 97 | 85600 | 116500 | 07/09/2025 | 10:31 | LB136407 |
| | Lead | -5.64 | | | -12 | 12 | 07/09/2025 | 10:31 | LB136407 |
| | Magnesium | 242000 | 260000 | 93 | 216000 | 294000 | 07/09/2025 | 10:31 | LB136407 |
| | Manganese | 3.37 | 7.0 | 48 | -13 | 27 | 07/09/2025 | 10:31 | LB136407 |
| | Nickel | 13.5 | 2.0 | 675 | -38 | 42 | 07/09/2025 | 10:31 | LB136407 |
| | Potassium | 10.6 | | | 0 | 0 | 07/09/2025 | 10:31 | LB136407 |
| | Selenium | -11.2 | | | -20 | 20 | 07/09/2025 | 10:31 | LB136407 |
| | Silver | -2.41 | | | -10 | 10 | 07/09/2025 | 10:31 | LB136407 |
| | Sodium | 119 | | | 0 | 0 | 07/09/2025 | 10:31 | LB136407 |
| | Thallium | 16.7 | | | -40 | 40 | 07/09/2025 | 10:31 | LB136407 |
| | Vanadium | 1.75 | | | -40 | 40 | 07/09/2025 | 10:31 | LB136407 |
| | Zinc | 10.9 | | | -40 | 40 | 07/09/2025 | 10:31 | LB136407 |
| ICSAB01 | Aluminum | 245000 | 250000 | 98 | 209000 | 285000 | 07/09/2025 | 10:35 | LB136407 |
| | Antimony | 621 | 620 | 100 | 525 | 711 | 07/09/2025 | 10:35 | LB136407 |
| | Arsenic | 98.6 | 100 | 99 | 88.4 | 120 | 07/09/2025 | 10:35 | LB136407 |
| | Barium | 529 | 540 | 98 | 437 | 637 | 07/09/2025 | 10:35 | LB136407 |
| | Beryllium | 514 | 500 | 103 | 420 | 570 | 07/09/2025 | 10:35 | LB136407 |
| | Cadmium | 984 | 970 | 101 | 826 | 1120 | 07/09/2025 | 10:35 | LB136407 |
| | Calcium | 241000 | 230000 | 105 | 199000 | 271000 | 07/09/2025 | 10:35 | LB136407 |
| | Chromium | 555 | 540 | 103 | 460 | 624 | 07/09/2025 | 10:35 | LB136407 |
| | Cobalt | 506 | 480 | 105 | 404 | 548 | 07/09/2025 | 10:35 | LB136407 |
| | Copper | 479 | 510 | 94 | 434 | 588 | 07/09/2025 | 10:35 | LB136407 |
| | Iron | 98200 | 99000 | 99 | 84400 | 114500 | 07/09/2025 | 10:35 | LB136407 |
| | Lead | 38.6 | 49.0 | 79 | 37 | 61 | 07/09/2025 | 10:35 | LB136407 |
| | Magnesium | 243000 | 250000 | 97 | 210000 | 286000 | 07/09/2025 | 10:35 | LB136407 |
| | Manganese | 498 | 510 | 98 | 430 | 584 | 07/09/2025 | 10:35 | LB136407 |
| | Nickel | 966 | 950 | 102 | 810 | 1100 | 07/09/2025 | 10:35 | LB136407 |
| | Potassium | 9.40 | | | 0 | 0 | 07/09/2025 | 10:35 | LB136407 |
| | Selenium | 40.2 | 46.0 | 87 | 26 | 66 | 07/09/2025 | 10:35 | LB136407 |
| | Silver | 209 | 200 | 104 | 170 | 232 | 07/09/2025 | 10:35 | LB136407 |
| | Sodium | 100 | | | 0 | 0 | 07/09/2025 | 10:35 | LB136407 |
| | Thallium | 101 | 110 | 92 | 68 | 148 | 07/09/2025 | 10:35 | LB136407 |

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# Metals
## - 4 -
## INTERFERENCE CHECK SAMPLE

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

**ICS Source:** EPA **Instrument ID:** P5

| 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 | 489 | 490 | 100 | 417 | 565 | 07/09/2025 | 10:35 | LB136407 |
| | Zinc | 1030 | 950 | 108 | 809 | 1095 | 07/09/2025 | 10:35 | LB136407 |
| **ICSA01** | Aluminum | 247000 | 250000 | 99 | 216000 | 294000 | 07/10/2025 | 19:11 | LB136434 |
| | Antimony | 21.5 | | | -50 | 50 | 07/10/2025 | 19:11 | LB136434 |
| | Arsenic | 2.10 | | | -20 | 20 | 07/10/2025 | 19:11 | LB136434 |
| | Barium | 5.81 | 6.0 | 97 | -94 | 106 | 07/10/2025 | 19:11 | LB136434 |
| | Beryllium | 1.15 | | | -6 | 6 | 07/10/2025 | 19:11 | LB136434 |
| | Cadmium | -0.49 | 1.0 | 49 | -5 | 7 | 07/10/2025 | 19:11 | LB136434 |
| | Calcium | 242000 | 240000 | 101 | 208000 | 282000 | 07/10/2025 | 19:11 | LB136434 |
| | Chromium | 48.9 | 52.0 | 94 | 42 | 62 | 07/10/2025 | 19:11 | LB136434 |
| | Cobalt | 25.0 | | | -30 | 30 | 07/10/2025 | 19:11 | LB136434 |
| | Copper | -9.61 | 2.0 | 480 | -18 | 22 | 07/10/2025 | 19:11 | LB136434 |
| | Iron | 104000 | 100000 | 104 | 85600 | 116500 | 07/10/2025 | 19:11 | LB136434 |
| | Lead | 0.44 | | | -12 | 12 | 07/10/2025 | 19:11 | LB136434 |
| | Magnesium | 252000 | 260000 | 97 | 216000 | 294000 | 07/10/2025 | 19:11 | LB136434 |
| | Manganese | 2.89 | 7.0 | 41 | -13 | 27 | 07/10/2025 | 19:11 | LB136434 |
| | Nickel | 16.4 | 2.0 | 820 | -38 | 42 | 07/10/2025 | 19:11 | LB136434 |
| | Potassium | 5.28 | | | 0 | 0 | 07/10/2025 | 19:11 | LB136434 |
| | Selenium | 4.66 | | | -20 | 20 | 07/10/2025 | 19:11 | LB136434 |
| | Silver | -1.13 | | | -10 | 10 | 07/10/2025 | 19:11 | LB136434 |
| | Sodium | 100 | | | 0 | 0 | 07/10/2025 | 19:11 | LB136434 |
| | Thallium | 17.8 | | | -40 | 40 | 07/10/2025 | 19:11 | LB136434 |
| | Vanadium | 4.92 | | | -40 | 40 | 07/10/2025 | 19:11 | LB136434 |
| | Zinc | 11.0 | | | -40 | 40 | 07/10/2025 | 19:11 | LB136434 |
| **ICSAB01** | Aluminum | 244000 | 250000 | 98 | 209000 | 285000 | 07/10/2025 | 19:15 | LB136434 |
| | Antimony | 612 | 620 | 99 | 525 | 711 | 07/10/2025 | 19:15 | LB136434 |
| | Arsenic | 92.1 | 100 | 92 | 88.4 | 120 | 07/10/2025 | 19:15 | LB136434 |
| | Barium | 505 | 540 | 94 | 437 | 637 | 07/10/2025 | 19:15 | LB136434 |
| | Beryllium | 505 | 500 | 101 | 420 | 570 | 07/10/2025 | 19:15 | LB136434 |
| | Cadmium | 972 | 970 | 100 | 826 | 1120 | 07/10/2025 | 19:15 | LB136434 |
| | Calcium | 239000 | 230000 | 104 | 199000 | 271000 | 07/10/2025 | 19:15 | LB136434 |
| | Chromium | 548 | 540 | 102 | 460 | 624 | 07/10/2025 | 19:15 | LB136434 |
| | Cobalt | 497 | 480 | 104 | 404 | 548 | 07/10/2025 | 19:15 | LB136434 |
| | Copper | 468 | 510 | 92 | 434 | 588 | 07/10/2025 | 19:15 | LB136434 |
| | Iron | 98700 | 99000 | 100 | 84400 | 114500 | 07/10/2025 | 19:15 | LB136434 |
| | Lead | 43.4 | 49.0 | 89 | 37 | 61 | 07/10/2025 | 19:15 | LB136434 |
| | Magnesium | 249000 | 250000 | 100 | 210000 | 286000 | 07/10/2025 | 19:15 | LB136434 |
| | Manganese | 491 | 510 | 96 | 430 | 584 | 07/10/2025 | 19:15 | LB136434 |
| | Nickel | 971 | 950 | 102 | 810 | 1100 | 07/10/2025 | 19:15 | LB136434 |
| | Potassium | 0.96 | | | 0 | 0 | 07/10/2025 | 19:15 | LB136434 |
| | Selenium | 52.3 | 46.0 | 114 | 26 | 66 | 07/10/2025 | 19:15 | LB136434 |
| | Silver | 217 | 200 | 108 | 170 | 232 | 07/10/2025 | 19:15 | LB136434 |

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# Metals
## - 4 -
## INTERFERENCE CHECK SAMPLE

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

**ICS Source:** EPA **Instrument ID:** P5

| 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 | 88.1 | | | 0 | 0 | 07/10/2025 | 19:15 | LB136434 |
| | Thallium | 99.2 | 110 | 90 | 68 | 148 | 07/10/2025 | 19:15 | LB136434 |
| | Vanadium | 488 | 490 | 100 | 417 | 565 | 07/10/2025 | 19:15 | LB136434 |
| | Zinc | 983 | 950 | 104 | 809 | 1095 | 07/10/2025 | 19:15 | LB136434 |
| **ICSA01** | Aluminum | 243000 | 250000 | 97 | 216000 | 294000 | 07/17/2025 | 14:46 | LB136534 |
| | Antimony | 20.2 | | | -50 | 50 | 07/17/2025 | 14:46 | LB136534 |
| | Arsenic | -5.59 | | | -20 | 20 | 07/17/2025 | 14:46 | LB136534 |
| | Barium | 5.91 | 6.0 | 98 | -94 | 106 | 07/17/2025 | 14:46 | LB136534 |
| | Beryllium | 1.12 | | | -6 | 6 | 07/17/2025 | 14:46 | LB136534 |
| | Cadmium | -0.95 | 1.0 | 95 | -5 | 7 | 07/17/2025 | 14:46 | LB136534 |
| | Calcium | 232000 | 240000 | 97 | 208000 | 282000 | 07/17/2025 | 14:46 | LB136534 |
| | Chromium | 48.4 | 52.0 | 93 | 42 | 62 | 07/17/2025 | 14:46 | LB136534 |
| | Cobalt | 21.5 | | | -30 | 30 | 07/17/2025 | 14:46 | LB136534 |
| | Copper | -6.18 | 2.0 | 309 | -18 | 22 | 07/17/2025 | 14:46 | LB136534 |
| | Iron | 89400 | 100000 | 89 | 85600 | 116500 | 07/17/2025 | 14:46 | LB136534 |
| | Lead | 1.20 | | | -12 | 12 | 07/17/2025 | 14:46 | LB136534 |
| | Magnesium | 242000 | 260000 | 93 | 216000 | 294000 | 07/17/2025 | 14:46 | LB136534 |
| | Manganese | 3.52 | 7.0 | 50 | -13 | 27 | 07/17/2025 | 14:46 | LB136534 |
| | Nickel | 1.33 | 2.0 | 66 | -38 | 42 | 07/17/2025 | 14:46 | LB136534 |
| | Potassium | 3.55 | | | 0 | 0 | 07/17/2025 | 14:46 | LB136534 |
| | Selenium | -9.33 | | | -20 | 20 | 07/17/2025 | 14:46 | LB136534 |
| | Silver | -1.63 | | | -10 | 10 | 07/17/2025 | 14:46 | LB136534 |
| | Sodium | 127 | | | 0 | 0 | 07/17/2025 | 14:46 | LB136534 |
| | Thallium | 2.74 | | | -40 | 40 | 07/17/2025 | 14:46 | LB136534 |
| | Vanadium | 9.54 | | | -40 | 40 | 07/17/2025 | 14:46 | LB136534 |
| | Zinc | 11.6 | | | -40 | 40 | 07/17/2025 | 14:46 | LB136534 |
| **ICSAB01** | Aluminum | 243000 | 250000 | 97 | 209000 | 285000 | 07/17/2025 | 14:51 | LB136534 |
| | Antimony | 586 | 620 | 94 | 525 | 711 | 07/17/2025 | 14:51 | LB136534 |
| | Arsenic | 89.5 | 100 | 90 | 88.4 | 120 | 07/17/2025 | 14:51 | LB136534 |
| | Barium | 490 | 540 | 91 | 437 | 637 | 07/17/2025 | 14:51 | LB136534 |
| | Beryllium | 480 | 500 | 96 | 420 | 570 | 07/17/2025 | 14:51 | LB136534 |
| | Cadmium | 954 | 970 | 98 | 826 | 1120 | 07/17/2025 | 14:51 | LB136534 |
| | Calcium | 233000 | 230000 | 101 | 199000 | 271000 | 07/17/2025 | 14:51 | LB136534 |
| | Chromium | 528 | 540 | 98 | 460 | 624 | 07/17/2025 | 14:51 | LB136534 |
| | Cobalt | 493 | 480 | 103 | 404 | 548 | 07/17/2025 | 14:51 | LB136534 |
| | Copper | 455 | 510 | 89 | 434 | 588 | 07/17/2025 | 14:51 | LB136534 |
| | Iron | 90300 | 99000 | 91 | 84400 | 114500 | 07/17/2025 | 14:51 | LB136534 |
| | Lead | 46.7 | 49.0 | 95 | 37 | 61 | 07/17/2025 | 14:51 | LB136534 |
| | Magnesium | 242000 | 250000 | 97 | 210000 | 286000 | 07/17/2025 | 14:51 | LB136534 |
| | Manganese | 475 | 510 | 93 | 430 | 584 | 07/17/2025 | 14:51 | LB136534 |
| | Nickel | 941 | 950 | 99 | 810 | 1100 | 07/17/2025 | 14:51 | LB136534 |
| | Potassium | 3.18 | | | 0 | 0 | 07/17/2025 | 14:51 | LB136534 |

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# Metals
## - 4 -
## INTERFERENCE CHECK SAMPLE

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

**ICS Source:** EPA **Instrument ID:** P5

| 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 | Selenium | 42.8 | 46.0 | 93 | 26 | 66 | 07/17/2025 | 14:51 | LB136534 |
| | Silver | 204 | 200 | 102 | 170 | 232 | 07/17/2025 | 14:51 | LB136534 |
| | Sodium | 145 | | | 0 | 0 | 07/17/2025 | 14:51 | LB136534 |
| | Thallium | 91.9 | 110 | 84 | 68 | 148 | 07/17/2025 | 14:51 | LB136534 |
| | Vanadium | 470 | 490 | 96 | 417 | 565 | 07/17/2025 | 14:51 | LB136534 |
| | Zinc | 999 | 950 | 105 | 809 | 1095 | 07/17/2025 | 14:51 | LB136534 |

# METAL QC DATA

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# metals
## - 5a -
## MATRIX SPIKE SUMMARY

**client:** G Environmental **level:** low **sdg no.:** Q2503

**contract:** GENV01 **lab code:** ACE

**matrix:** Solid **sample id:** Q2491-01 **client id:** EO-1-070225MS

**Percent Solids for Sample:** 92.4 **Spiked ID:** Q2491-01MS **Percent Solids for Spike Sample:** 92.4

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | mg/Kg | 80 - 120 | 0.34 | | 0.033 | | 0.28 | 109 | | CV |

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# metals
## - 5a -
## MATRIX SPIKE DUPLICATE SUMMARY

**client:** G Environmental **level:** low **sdg no.:** Q2503

**contract:** GENV01 **lab code:** ACE

**matrix:** Solid **sample id:** Q2491-01 **client id:** EO-1-070225MSD

**Percent Solids for Sample:** 92.4 **Spiked ID:** Q2491-01MSD **Percent Solids for Spike Sample:** 92.4

| Analyte | Units | Acceptance Limit %R | MSD Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | mg/Kg | 80 - 120 | 0.32 | | 0.033 | | 0.28 | 103 | | CV |

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# metals
## - 5a -
## MATRIX SPIKE SUMMARY

**client:** G Environmental **level:** low **sdg no.:** Q2503

**contract:** GENV01 **lab code:** ACE

**matrix:** Water **sample id:** Q2509-01 **client id:** AUD-25-0110-0111MS

**Percent Solids for Sample:** NA **Spiked ID:** Q2509-01MS **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | ug/L | 75 - 125 | 2.50 | | 0.27 | | 4.0 | 56 | N | CV |

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# metals
## - 5a -
## MATRIX SPIKE DUPLICATE SUMMARY

**client:** G Environmental **level:** low **sdg no.:** Q2503

**contract:** GENV01 **lab code:** ACE

**matrix:** Water **sample id:** Q2509-01 **client id:** AUD-25-0110-0111MSD

**Percent Solids for Sample:** NA **Spiked ID:** Q2509-01MSD **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit %R | MSD Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | ug/L | 75 - 125 | 2.52 | | 0.27 | | 4.0 | 56 | N | CV |

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# metals
## - 5a -
## MATRIX SPIKE SUMMARY

**client:** G Environmental **level:** low **sdg no.:** Q2503

**contract:** GENV01 **lab code:** ACE

**matrix:** Water **sample id:** Q2512-01 **client id:** WATER TREATMENT DISCHARGEMS

**Percent Solids for Sample:** NA **Spiked ID:** Q2512-01MS **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ug/L | 75 - 125 | 11700 | | 11200 | | 1000 | 47 | | P |
| Antimony | ug/L | 75 - 125 | 395 | | 3.70 | J | 400 | 98 | | P |
| Arsenic | ug/L | 75 - 125 | 434 | | 10.0 | U | 400 | 108 | | P |
| Barium | ug/L | 75 - 125 | 98.6 | | 50.0 | U | 100 | 99 | | P |
| Beryllium | ug/L | 75 - 125 | 99.0 | | 3.00 | U | 100 | 99 | | P |
| Cadmium | ug/L | 75 - 125 | 109 | | 3.00 | U | 100 | 109 | | P |
| Calcium | ug/L | 75 - 125 | 6810 | | 6510 | | 500 | 59 | | P |
| Chromium | ug/L | 75 - 125 | 336 | | 138 | | 200 | 99 | | P |
| Cobalt | ug/L | 75 - 125 | 105 | | 3.66 | J | 100 | 101 | | P |
| Copper | ug/L | 75 - 125 | 142 | | 8.21 | J | 150 | 89 | | P |
| Iron | ug/L | 75 - 125 | 1720 | | 186 | | 1500 | 102 | | P |
| Lead | ug/L | 75 - 125 | 494 | | 6.00 | U | 500 | 99 | | P |
| Magnesium | ug/L | 75 - 125 | 2190 | | 1270 | | 1000 | 92 | | P |
| Manganese | ug/L | 75 - 125 | 147 | | 10.5 | | 100 | 136 | N | P |
| Nickel | ug/L | 75 - 125 | 298 | | 38.8 | | 250 | 104 | | P |
| Potassium | ug/L | 75 - 125 | 129000 | D | 123000 | D | 5000 | 131 | | P |
| Selenium | ug/L | 75 - 125 | 1020 | | 10.0 | U | 1000 | 102 | | P |
| Silver | ug/L | 75 - 125 | 34.3 | | 5.00 | U | 37.5 | 92 | | P |
| Sodium | ug/L | 75 - 125 | 693000 | | 736000 | | 1500 | -2827 | | P |
| Thallium | ug/L | 75 - 125 | 941 | | 20.0 | U | 1000 | 94 | | P |
| Vanadium | ug/L | 75 - 125 | 146 | | 20.0 | U | 150 | 97 | | P |
| Zinc | ug/L | 75 - 125 | 407 | | 319 | | 100 | 88 | | P |

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# metals
## - 5a -
## MATRIX SPIKE DUPLICATE SUMMARY

**client:** G Environmental **level:** low **sdg no.:** Q2503

**contract:** GENV01 **lab code:** ACE

**matrix:** Water **sample id:** Q2512-01 **client id:** WATER TREATMENT DISCHARGEMSD

**Percent Solids for Sample:** NA **Spiked ID:** Q2512-01MSD **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit %R | MSD Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ug/L | 75 - 125 | 11800 | | 11200 | | 1000 | 66 | | P |
| Antimony | ug/L | 75 - 125 | 400 | | 3.70 | J | 400 | 99 | | P |
| Arsenic | ug/L | 75 - 125 | 446 | | 10.0 | U | 400 | 112 | | P |
| Barium | ug/L | 75 - 125 | 101 | | 50.0 | U | 100 | 101 | | P |
| Beryllium | ug/L | 75 - 125 | 101 | | 3.00 | U | 100 | 101 | | P |
| Cadmium | ug/L | 75 - 125 | 112 | | 3.00 | U | 100 | 112 | | P |
| Calcium | ug/L | 75 - 125 | 6890 | | 6510 | | 500 | 76 | | P |
| Chromium | ug/L | 75 - 125 | 337 | | 138 | | 200 | 99 | | P |
| Cobalt | ug/L | 75 - 125 | 107 | | 3.66 | J | 100 | 103 | | P |
| Copper | ug/L | 75 - 125 | 145 | | 8.21 | J | 150 | 91 | | P |
| Iron | ug/L | 75 - 125 | 1760 | | 186 | | 1500 | 105 | | P |
| Lead | ug/L | 75 - 125 | 507 | | 6.00 | U | 500 | 101 | | P |
| Magnesium | ug/L | 75 - 125 | 2240 | | 1270 | | 1000 | 98 | | P |
| Manganese | ug/L | 75 - 125 | 159 | | 10.5 | | 100 | 148 | N | P |
| Nickel | ug/L | 75 - 125 | 304 | | 38.8 | | 250 | 106 | | P |
| Potassium | ug/L | 75 - 125 | 131000 | D | 123000 | D | 5000 | 168 | | P |
| Selenium | ug/L | 75 - 125 | 1040 | | 10.0 | U | 1000 | 104 | | P |
| Silver | ug/L | 75 - 125 | 35.0 | | 5.00 | U | 37.5 | 93 | | P |
| Sodium | ug/L | 75 - 125 | 714000 | | 736000 | | 1500 | -1450 | | P |
| Thallium | ug/L | 75 - 125 | 959 | | 20.0 | U | 1000 | 96 | | P |
| Vanadium | ug/L | 75 - 125 | 153 | | 20.0 | U | 150 | 102 | | P |
| Zinc | ug/L | 75 - 125 | 412 | | 319 | | 100 | 93 | | P |

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# metals
## - 5a -
## MATRIX SPIKE SUMMARY

**client:** G Environmental **level:** low **sdg no.:** Q2503

**contract:** GENV01 **lab code:** ACE

**matrix:** Solid **sample id:** Q2515-01 **client id:** WC-1MS

**Percent Solids for Sample:** 87.5 **Spiked ID:** Q2515-01MS **Percent Solids for Spike Sample:** 87.5

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/Kg | 75 - 125 | 10900 | | 10000 | | 100 | 856 | | P |
| Antimony | mg/Kg | 75 - 125 | 11.3 | | 1.79 | J | 41.2 | 23 | N | P |
| Arsenic | mg/Kg | 75 - 125 | 39.8 | | 1.42 | | 41.2 | 93 | | P |
| Barium | mg/Kg | 75 - 125 | 62.0 | | 46.6 | | 10.3 | 150 | | P |
| Beryllium | mg/Kg | 75 - 125 | 8.21 | | 0.55 | | 10.3 | 74 | N | P |
| Cadmium | mg/Kg | 75 - 125 | 10.2 | | 0.30 | U | 10.3 | 99 | | P |
| Calcium | mg/Kg | 75 - 125 | 1950 | | 2090 | | 51.5 | -272 | | P |
| Chromium | mg/Kg | 75 - 125 | 42.9 | | 27.0 | | 20.6 | 77 | | P |
| Cobalt | mg/Kg | 75 - 125 | 26.6 | | 20.1 | | 10.3 | 63 | N | P |
| Copper | mg/Kg | 75 - 125 | 28.0 | | 19.4 | | 15.4 | 56 | N | P |
| Iron | mg/Kg | 75 - 125 | 15800 | | 18900 | | 150 | -1957 | | P |
| Lead | mg/Kg | 75 - 125 | 57.2 | | 7.18 | | 51.5 | 97 | | P |
| Magnesium | mg/Kg | 75 - 125 | 3230 | | 3810 | | 100 | -560 | | P |
| Manganese | mg/Kg | 75 - 125 | 812 | | 693 | | 10.3 | 1156 | | P |
| Nickel | mg/Kg | 75 - 125 | 43.1 | | 21.0 | | 25.7 | 86 | | P |
| Potassium | mg/Kg | 75 - 125 | 657 | | 245 | | 510 | 80 | | P |
| Selenium | mg/Kg | 75 - 125 | 73.3 | | 4.97 | | 100 | 66 | N | P |
| Silver | mg/Kg | 75 - 125 | 2.39 | | 0.50 | U | 3.9 | 62 | N | P |
| Sodium | mg/Kg | 75 - 125 | 266 | | 203 | | 150 | 41 | N | P |
| Thallium | mg/Kg | 75 - 125 | 94.8 | | 2.01 | U | 100 | 92 | | P |
| Vanadium | mg/Kg | 75 - 125 | 51.6 | | 57.6 | | 15.4 | -39 | N | P |
| Zinc | mg/Kg | 75 - 125 | 40.8 | | 31.9 | | 10.3 | 87 | | P |

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# metals
## - 5a -
## MATRIX SPIKE DUPLICATE SUMMARY

**client:** G Environmental **level:** low **sdg no.:** Q2503

**contract:** GENV01 **lab code:** ACE

**matrix:** Solid **sample id:** Q2515-01 **client id:** WC-1MSD

**Percent Solids for Sample:** 87.5 **Spiked ID:** Q2515-01MSD **Percent Solids for Spike Sample:** 87.5

| Analyte | Units | Acceptance Limit %R | MSD Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/Kg | 75 - 125 | 10900 | | 10000 | | 110 | 818 | | P |
| Antimony | mg/Kg | 75 - 125 | 12.9 | | 1.79 | J | 42.5 | 26 | N | P |
| Arsenic | mg/Kg | 75 - 125 | 42.5 | | 1.42 | | 42.5 | 97 | | P |
| Barium | mg/Kg | 75 - 125 | 51.3 | | 46.6 | | 10.6 | 44 | | P |
| Beryllium | mg/Kg | 75 - 125 | 8.67 | | 0.55 | | 10.6 | 76 | | P |
| Cadmium | mg/Kg | 75 - 125 | 10.5 | | 0.30 | U | 10.6 | 99 | | P |
| Calcium | mg/Kg | 75 - 125 | 1920 | | 2090 | | 53.2 | -316 | | P |
| Chromium | mg/Kg | 75 - 125 | 44.6 | | 27.0 | | 21.3 | 83 | | P |
| Cobalt | mg/Kg | 75 - 125 | 27.6 | | 20.1 | | 10.6 | 70 | N | P |
| Copper | mg/Kg | 75 - 125 | 30.3 | | 19.4 | | 15.9 | 68 | N | P |
| Iron | mg/Kg | 75 - 125 | 18900 | | 18900 | | 160 | 53 | | P |
| Lead | mg/Kg | 75 - 125 | 60.7 | | 7.18 | | 53.2 | 101 | | P |
| Magnesium | mg/Kg | 75 - 125 | 3380 | | 3810 | | 110 | -398 | | P |
| Manganese | mg/Kg | 75 - 125 | 533 | | 693 | | 10.6 | -1507 | | P |
| Nickel | mg/Kg | 75 - 125 | 44.5 | | 21.0 | | 26.6 | 89 | | P |
| Potassium | mg/Kg | 75 - 125 | 674 | | 245 | | 530 | 81 | | P |
| Selenium | mg/Kg | 75 - 125 | 76.8 | | 4.97 | | 110 | 68 | N | P |
| Silver | mg/Kg | 75 - 125 | 1.99 | | 0.50 | U | 4.0 | 50 | N | P |
| Sodium | mg/Kg | 75 - 125 | 295 | | 203 | | 160 | 58 | N | P |
| Thallium | mg/Kg | 75 - 125 | 97.4 | | 2.01 | U | 110 | 92 | | P |
| Vanadium | mg/Kg | 75 - 125 | 67.0 | | 57.6 | | 15.9 | 59 | N | P |
| Zinc | mg/Kg | 75 - 125 | 42.1 | | 31.9 | | 10.6 | 96 | | P |

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# Metals
## - 5b -
## POST DIGEST SPIKE SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

**Matrix:** Water **Level:** LOW **Client ID:** AUD-25-0110-0111A

**Sample ID:** Q2509-01 **Spiked ID:** Q2509-01A

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | ug/L | 75 - 125 | 3.53 | | 0.27 | | 4.00 | 82 | | CV |

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# Metals
## - 5b -
## POST DIGEST SPIKE SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

**Matrix:** Water **Level:** LOW **Client ID:** WATER TREATMENT DISCHARGEA

**Sample ID:** Q2512-01 **Spiked ID:** Q2512-01A

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Manganese | ug/L | 75 - 125 | 112 | | 10.5 | | 100 | 102 | | P |

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# Metals
## - 5b -
## POST DIGEST SPIKE SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

**Matrix:** Solid **Level:** LOW **Client ID:** WC-1A

**Sample ID:** Q2515-01 **Spiked ID:** Q2515-01A

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | mg/Kg | 75 - 125 | 30.9 | | 1.79 | J | 40.1 | 73 | N | P |
| Beryllium | mg/Kg | 75 - 125 | 8.11 | | 0.55 | | 10.0 | 76 | | P |
| Cobalt | mg/Kg | 75 - 125 | 29.6 | | 20.1 | | 10.0 | 95 | | P |
| Copper | mg/Kg | 75 - 125 | 30.3 | | 19.4 | | 15.0 | 73 | N | P |
| Selenium | mg/Kg | 75 - 125 | 75.9 | | 4.97 | | 100 | 71 | N | P |
| Silver | mg/Kg | 75 - 125 | 1.61 | | 0.50 | U | 3.80 | 42 | N | P |
| Sodium | mg/Kg | 75 - 125 | 304 | | 203 | | 150 | 68 | N | P |
| Vanadium | mg/Kg | 75 - 125 | 67.4 | | 57.6 | | 15.0 | 65 | N | P |

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# Metals

## - 6 -
## DUPLICATE SAMPLE SUMMARY

**Client:** G Environmental **Level:** LOW **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

**Matrix:** Solid **Sample ID:** Q2491-01 **Client ID:** EO-1-070225DUP

**Percent Solids for Sample:** 92.4 **Duplicate ID** Q2491-01DUP **Percent Solids for Spike Sample:** 92.4

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | mg/Kg | 20 | 0.033 | | 0.033 | | 0 | | 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:** G Environmental **Level:** LOW **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

**Matrix:** Solid **Sample ID:** Q2491-01MS **Client ID:** EO-1-070225MSD

**Percent Solids for Sample:** 92.4 **Duplicate ID** Q2491-01MSD **Percent Solids for Spike Sample:** 92.4

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | mg/Kg | 20 | 0.34 | | 0.32 | | 5 | | 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:** G Environmental **Level:** LOW **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

**Matrix:** Water **Sample ID:** Q2509-01 **Client ID:** AUD-25-0110-0111DUP

**Percent Solids for Sample:** NA **Duplicate ID** Q2509-01DUP **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ug/L | 20 | 0.27 | | 0.26 | | 4 | | 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:** G Environmental **Level:** LOW **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

**Matrix:** Water **Sample ID:** Q2509-01MS **Client ID:** AUD-25-0110-0111MSD

**Percent Solids for Sample:** NA **Duplicate ID** Q2509-01MSD **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ug/L | 20 | 2.50 | | 2.52 | | 1 | | CV |

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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# Metals

## - 6 -
## DUPLICATE SAMPLE SUMMARY

**Client:** G Environmental **Level:** LOW **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

**Matrix:** Water **Sample ID:** Q2512-01 **Client ID:** WATER TREATMENT DISCHARGEDU

**Percent Solids for Sample:** NA **Duplicate ID** Q2512-01DUP **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ug/L | 20 | 11200 | | 10700 | | 5 | | P |
| Antimony | ug/L | 20 | 3.70 | J | 25.0 | U | 200.0 | | P |
| Arsenic | ug/L | 20 | 10.0 | U | 10.0 | U | | | P |
| Barium | ug/L | 20 | 50.0 | U | 50.0 | U | | | P |
| Beryllium | ug/L | 20 | 3.00 | U | 3.00 | U | | | P |
| Cadmium | ug/L | 20 | 3.00 | U | 3.00 | U | | | P |
| Calcium | ug/L | 20 | 6510 | | 6270 | | 4 | | P |
| Chromium | ug/L | 20 | 138 | | 134 | | 3 | | P |
| Cobalt | ug/L | 20 | 3.66 | J | 3.45 | J | 6 | | P |
| Copper | ug/L | 20 | 8.21 | J | 7.68 | J | 7 | | P |
| Iron | ug/L | 20 | 186 | | 177 | | 5 | | P |
| Lead | ug/L | 20 | 6.00 | U | 6.00 | U | | | P |
| Magnesium | ug/L | 20 | 1270 | | 1210 | | 5 | | P |
| Manganese | ug/L | 20 | 10.5 | | 9.94 | J | 6 | | P |
| Nickel | ug/L | 20 | 38.8 | | 37.4 | | 4 | | P |
| Potassium | ug/L | 20 | 123000 | D | 123000 | D | 0 | | P |
| Selenium | ug/L | 20 | 10.0 | U | 10.0 | U | | | P |
| Silver | ug/L | 20 | 5.00 | U | 5.00 | U | | | P |
| Sodium | ug/L | 20 | 736000 | | 693000 | | 6 | | P |
| Thallium | ug/L | 20 | 20.0 | U | 20.0 | U | | | P |
| Vanadium | ug/L | 20 | 20.0 | U | 20.0 | U | | | P |
| Zinc | ug/L | 20 | 319 | | 301 | | 6 | | P |

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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# Metals

## - 6 -
## DUPLICATE SAMPLE SUMMARY

**Client:** G Environmental **Level:** LOW **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

**Matrix:** Water **Sample ID:** Q2512-01MS **Client ID:** WATER TREATMENT DISCHARGEMS

**Percent Solids for Sample:** NA **Duplicate ID** Q2512-01MSD **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | ug/L | 20 | 11700 | | 11800 | | 1 | | P |
| Antimony | ug/L | 20 | 395 | | 400 | | 1 | | P |
| Arsenic | ug/L | 20 | 434 | | 446 | | 3 | | P |
| Barium | ug/L | 20 | 98.6 | | 101 | | 2 | | P |
| Beryllium | ug/L | 20 | 99.0 | | 101 | | 2 | | P |
| Cadmium | ug/L | 20 | 109 | | 112 | | 3 | | P |
| Calcium | ug/L | 20 | 6810 | | 6890 | | 1 | | P |
| Chromium | ug/L | 20 | 336 | | 337 | | 0 | | P |
| Cobalt | ug/L | 20 | 105 | | 107 | | 2 | | P |
| Copper | ug/L | 20 | 142 | | 145 | | 2 | | P |
| Iron | ug/L | 20 | 1720 | | 1760 | | 2 | | P |
| Lead | ug/L | 20 | 494 | | 507 | | 3 | | P |
| Magnesium | ug/L | 20 | 2190 | | 2240 | | 2 | | P |
| Manganese | ug/L | 20 | 147 | | 159 | | 8 | | P |
| Nickel | ug/L | 20 | 298 | | 304 | | 2 | | P |
| Potassium | ug/L | 20 | 129000 | D | 131000 | D | 2 | | P |
| Selenium | ug/L | 20 | 1020 | | 1040 | | 2 | | P |
| Silver | ug/L | 20 | 34.3 | | 35.0 | | 2 | | P |
| Sodium | ug/L | 20 | 693000 | | 714000 | | 3 | | P |
| Thallium | ug/L | 20 | 941 | | 959 | | 2 | | P |
| Vanadium | ug/L | 20 | 146 | | 153 | | 5 | | P |
| Zinc | ug/L | 20 | 407 | | 412 | | 1 | | P |

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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# Metals

## - 6 -
## DUPLICATE SAMPLE SUMMARY

**Client:** G Environmental **Level:** LOW **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

**Matrix:** Solid **Sample ID:** Q2515-01 **Client ID:** WC-1DUP

**Percent Solids for Sample:** 87.5 **Duplicate ID** Q2515-01DUP **Percent Solids for Spike Sample:** 87.5

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/Kg | 20 | 10000 | | 9470 | | 5 | | P |
| Antimony | mg/Kg | 20 | 1.79 | J | 1.71 | J | 5 | | P |
| Arsenic | mg/Kg | 20 | 1.42 | | 1.66 | | 16 | | P |
| Barium | mg/Kg | 20 | 46.6 | | 41.2 | | 12 | | P |
| Beryllium | mg/Kg | 20 | 0.55 | | 0.55 | | 1 | | P |
| Cadmium | mg/Kg | 20 | 0.30 | U | 0.29 | U | | | P |
| Calcium | mg/Kg | 20 | 2090 | | 2040 | | 2 | | P |
| Chromium | mg/Kg | 20 | 27.0 | | 26.6 | | 1 | | P |
| Cobalt | mg/Kg | 20 | 20.1 | | 19.6 | | 3 | | P |
| Copper | mg/Kg | 20 | 19.4 | | 18.8 | | 3 | | P |
| Iron | mg/Kg | 20 | 18900 | | 18800 | | 1 | | P |
| Lead | mg/Kg | 20 | 7.18 | | 10.0 | | 33 | * | P |
| Magnesium | mg/Kg | 20 | 3810 | | 3930 | | 3 | | P |
| Manganese | mg/Kg | 20 | 693 | | 600 | | 14 | | P |
| Nickel | mg/Kg | 20 | 21.0 | | 20.7 | | 1 | | P |
| Potassium | mg/Kg | 20 | 245 | | 230 | | 6 | | P |
| Selenium | mg/Kg | 20 | 4.97 | | 5.08 | | 2 | | P |
| Silver | mg/Kg | 20 | 0.50 | U | 0.48 | U | | | P |
| Sodium | mg/Kg | 20 | 203 | | 194 | | 5 | | P |
| Thallium | mg/Kg | 20 | 2.01 | U | 1.91 | U | | | P |
| Vanadium | mg/Kg | 20 | 57.6 | | 57.5 | | 0 | | P |
| Zinc | mg/Kg | 20 | 31.9 | | 32.3 | | 1 | | P |

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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# Metals

## - 6 -
## DUPLICATE SAMPLE SUMMARY

**Client:** G Environmental **Level:** LOW **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

**Matrix:** Solid **Sample ID:** Q2515-01MS **Client ID:** WC-1MSD

**Percent Solids for Sample:** 87.5 **Duplicate ID** Q2515-01MSD **Percent Solids for Spike Sample:** 87.5

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/Kg | 20 | 10900 | | 10900 | | 0 | | P |
| Antimony | mg/Kg | 20 | 11.3 | | 12.9 | | 13 | | P |
| Arsenic | mg/Kg | 20 | 39.8 | | 42.5 | | 7 | | P |
| Barium | mg/Kg | 20 | 62.0 | | 51.3 | | 19 | | P |
| Beryllium | mg/Kg | 20 | 8.21 | | 8.67 | | 5 | | P |
| Cadmium | mg/Kg | 20 | 10.2 | | 10.5 | | 4 | | P |
| Calcium | mg/Kg | 20 | 1950 | | 1920 | | 2 | | P |
| Chromium | mg/Kg | 20 | 42.9 | | 44.6 | | 4 | | P |
| Cobalt | mg/Kg | 20 | 26.6 | | 27.6 | | 4 | | P |
| Copper | mg/Kg | 20 | 28.0 | | 30.3 | | 8 | | P |
| Iron | mg/Kg | 20 | 15800 | | 18900 | | 18 | | P |
| Lead | mg/Kg | 20 | 57.2 | | 60.7 | | 6 | | P |
| Magnesium | mg/Kg | 20 | 3230 | | 3380 | | 5 | | P |
| Manganese | mg/Kg | 20 | 812 | | 533 | | 41 | * | P |
| Nickel | mg/Kg | 20 | 43.1 | | 44.5 | | 3 | | P |
| Potassium | mg/Kg | 20 | 657 | | 674 | | 3 | | P |
| Selenium | mg/Kg | 20 | 73.3 | | 76.8 | | 5 | | P |
| Silver | mg/Kg | 20 | 2.39 | | 1.99 | | 18 | | P |
| Sodium | mg/Kg | 20 | 266 | | 295 | | 10 | | P |
| Thallium | mg/Kg | 20 | 94.8 | | 97.4 | | 3 | | P |
| Vanadium | mg/Kg | 20 | 51.6 | | 67.0 | | 26 | * | P |
| Zinc | mg/Kg | 20 | 40.8 | | 42.1 | | 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



### LABORATORY CONTROL SAMPLE SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

| Analyte | Units | True Value | Result | C | % Recovery | Acceptance Limits | M |
|---|---|---|---|---|---|---|---|
| PB168739BS | | | | | | | |
| Aluminum | ug/L | 1000 | 954 | | 95 | 80 - 120 | P |
| Antimony | ug/L | 400 | 388 | | 97 | 80 - 120 | P |
| Arsenic | ug/L | 400 | 348 | | 87 | 80 - 120 | P |
| Barium | ug/L | 100 | 99.4 | | 99 | 80 - 120 | P |
| Beryllium | ug/L | 100 | 105 | | 105 | 80 - 120 | P |
| Cadmium | ug/L | 100 | 91.5 | | 92 | 80 - 120 | P |
| Calcium | ug/L | 500 | 497 | J | 99 | 80 - 120 | P |
| Chromium | ug/L | 200 | 198 | | 99 | 80 - 120 | P |
| Cobalt | ug/L | 100 | 92.4 | | 92 | 80 - 120 | P |
| Copper | ug/L | 150 | 162 | | 108 | 80 - 120 | P |
| Iron | ug/L | 1500 | 1680 | | 112 | 80 - 120 | P |
| Lead | ug/L | 500 | 459 | | 92 | 80 - 120 | P |
| Magnesium | ug/L | 1000 | 980 | J | 98 | 80 - 120 | P |
| Manganese | ug/L | 100 | 103 | | 103 | 80 - 120 | P |
| Nickel | ug/L | 250 | 233 | | 93 | 80 - 120 | P |
| Potassium | ug/L | 5000 | 4950 | | 99 | 80 - 120 | P |
| Selenium | ug/L | 1000 | 959 | | 96 | 80 - 120 | P |
| Silver | ug/L | 37.5 | 35.0 | | 93 | 80 - 120 | P |
| Sodium | ug/L | 1500 | 1570 | | 105 | 80 - 120 | P |
| Thallium | ug/L | 1000 | 971 | | 97 | 80 - 120 | P |
| Vanadium | ug/L | 150 | 150 | | 100 | 80 - 120 | P |
| Zinc | ug/L | 100 | 100 | | 100 | 80 - 120 | P |

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## Metals



### LABORATORY CONTROL SAMPLE SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

| Analyte | Units | True Value | Result | C | % Recovery | Acceptance Limits | M |
|---|---|---|---|---|---|---|---|
| PB168740BS | | | | | | | |
| Aluminum | mg/Kg | 100 | 98.9 | | 99 | 80 - 120 | P |
| Antimony | mg/Kg | 40.0 | 40.0 | | 100 | 80 - 120 | P |
| Arsenic | mg/Kg | 40.0 | 35.6 | | 89 | 80 - 120 | P |
| Barium | mg/Kg | 10.0 | 9.99 | | 100 | 80 - 120 | P |
| Beryllium | mg/Kg | 10.0 | 10.7 | | 107 | 80 - 120 | P |
| Cadmium | mg/Kg | 10.0 | 9.41 | | 94 | 80 - 120 | P |
| Calcium | mg/Kg | 50.0 | 51.1 | J | 102 | 80 - 120 | P |
| Chromium | mg/Kg | 20.0 | 20.3 | | 102 | 80 - 120 | P |
| Cobalt | mg/Kg | 10.0 | 9.53 | | 95 | 80 - 120 | P |
| Copper | mg/Kg | 15.0 | 16.3 | | 109 | 80 - 120 | P |
| Iron | mg/Kg | 150 | 170 | | 113 | 80 - 120 | P |
| Lead | mg/Kg | 50.0 | 47.1 | | 94 | 80 - 120 | P |
| Magnesium | mg/Kg | 100 | 101 | | 101 | 80 - 120 | P |
| Manganese | mg/Kg | 10.0 | 10.4 | | 104 | 80 - 120 | P |
| Nickel | mg/Kg | 25.0 | 24.0 | | 96 | 80 - 120 | P |
| Potassium | mg/Kg | 500 | 477 | | 95 | 80 - 120 | P |
| Selenium | mg/Kg | 100 | 98.5 | | 98 | 80 - 120 | P |
| Silver | mg/Kg | 3.8 | 3.56 | | 94 | 80 - 120 | P |
| Sodium | mg/Kg | 150 | 157 | | 105 | 80 - 120 | P |
| Thallium | mg/Kg | 100 | 99.9 | | 100 | 80 - 120 | P |
| Vanadium | mg/Kg | 15.0 | 14.8 | | 99 | 80 - 120 | P |
| Zinc | mg/Kg | 10.0 | 10.3 | | 103 | 80 - 120 | P |

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## Metals



### LABORATORY CONTROL SAMPLE SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

| Analyte | Units | True Value | Result | C | % Recovery | Acceptance Limits | M |
|---|---|---|---|---|---|---|---|
| PB168743BS | | | | | | | |
| Mercury | mg/Kg | 0.26 | 0.27 | | 102 | 80 - 120 | CV |

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## Metals



### LABORATORY CONTROL SAMPLE SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

| Analyte | Units | True Value | Result | C | % Recovery | Acceptance Limits | M |
|---|---|---|---|---|---|---|---|
| PB168766BS | | | | | | | |
| Mercury | ug/L | 4.0 | 4.30 | | 108 | 80 - 120 | CV |

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# Metals

## -9 -

## ICP SERIAL DILUTIONS

SAMPLE NO.

EO-1-070225L

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **Lb No.:** lb136380 **Lab Sample ID :** Q2491-01L **SDG No.:** Q2503

**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 | 0.033 | | 0.065 | U | 100.0 | | CV |

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# Metals

## -9 -

## ICP SERIAL DILUTIONS

SAMPLE NO.

AUD-25-0110-0111L

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **Lb No.:** lb136403 **Lab Sample ID :** Q2509-01L **SDG No.:** Q2503

**Matrix (soil/water):** Water **Level (low/med):** LOW

**Concentration Units:** ug/L

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | M |
|---|---|---|---|---|---|---|---|
| Mercury | 0.27 | | 0.44 | J | 60 | | CV |

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# Metals

## -9 -

## ICP SERIAL DILUTIONS

SAMPLE NO.

WATER TREATMENT DISCHARGEL

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **Lb No.:** lb136434 **Lab Sample ID :** Q2512-01L **SDG No.:** Q2503

**Matrix (soil/water):** Water **Level (low/med):** LOW

**Concentration Units:** ug/L

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | M |
|---|---|---|---|---|---|---|---|
| Aluminum | 11200 | | 11100 | | 1 | | P |
| Antimony | 3.70 | J | 125 | U | 100.0 | | P |
| Arsenic | 10.0 | U | 50.0 | U | | | P |
| Barium | 50.0 | U | 250 | U | | | P |
| Beryllium | 3.00 | U | 15.0 | U | | | P |
| Cadmium | 3.00 | U | 15.0 | U | | | P |
| Calcium | 6510 | | 6570 | | 1 | | P |
| Chromium | 138 | | 136 | | 2 | | P |
| Cobalt | 3.66 | J | 75.0 | U | 100.0 | | P |
| Copper | 8.21 | J | 50.0 | U | 100.0 | | P |
| Iron | 186 | | 202 | J | 9 | | P |
| Lead | 6.00 | U | 30.0 | U | | | P |
| Magnesium | 1270 | | 1170 | J | 8 | | P |
| Manganese | 10.5 | | 50.0 | U | 100.0 | | P |
| Nickel | 38.8 | | 36.0 | J | 7 | | P |
| Potassium | 1000 | U | 132000 | | 100.0 | | P |
| Selenium | 10.0 | U | 50.0 | U | | | P |
| Silver | 5.00 | U | 25.0 | U | | | P |
| Sodium | 736000 | | 1110000 | | 50 | | P |
| Thallium | 20.0 | U | 100 | U | | | P |
| Vanadium | 20.0 | U | 100 | U | | | P |
| Zinc | 319 | | 300 | | 6 | | P |

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# Metals

## -9 -

## ICP SERIAL DILUTIONS

SAMPLE NO.

WC-1L

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **Lb No.:** lb136534 **Lab Sample ID :** Q2515-01L **SDG No.:** Q2503

**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 | 10000 | | 11800 | | 17 | | P |
| Antimony | 1.79 | J | 1.98 | J | 11 | | P |
| Arsenic | 1.42 | | 3.05 | J | 115 | | P |
| Barium | 46.6 | | 55.3 | | 19 | | P |
| Beryllium | 0.55 | | 0.64 | J | 17 | | P |
| Cadmium | 0.30 | U | 1.50 | U | | | P |
| Calcium | 2090 | | 2520 | | 20 | | P |
| Chromium | 27.0 | | 31.6 | | 17 | | P |
| Cobalt | 20.1 | | 19.2 | | 5 | | P |
| Copper | 19.4 | | 24.6 | | 27 | | P |
| Iron | 18900 | | 27800 | | 47 | | P |
| Lead | 7.18 | | 8.07 | | 12 | | P |
| Magnesium | 3810 | | 4610 | | 21 | | P |
| Manganese | 693 | | 842 | | 21 | | P |
| Nickel | 21.0 | | 19.6 | | 6 | | P |
| Potassium | 245 | | 241 | J | 2 | | P |
| Selenium | 4.97 | | 7.51 | | 51 | | P |
| Silver | 0.50 | U | 2.51 | U | | | P |
| Sodium | 203 | | 248 | J | 22 | | P |
| Thallium | 2.01 | U | 10.0 | U | | | P |
| Vanadium | 57.6 | | 66.0 | | 14 | | P |
| Zinc | 31.9 | | 38.8 | | 22 | | P |

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**metals**
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**ANALYSIS RUN LOG**

**Client:** G Environmental **Contract:** GENV01

**Lab code:** ACE **Sdg no.:** Q2503

**Instrument id number:** **Method:** **Run number:** LB136380

**Start date:** 07/07/2025 **End date:** 07/07/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| S0 | S0 | 1 | 1135 | HG |
| S0.2 | S0.2 | 1 | 1137 | HG |
| S2.5 | S2.5 | 1 | 1140 | HG |
| S5 | S5 | 1 | 1142 | HG |
| S7.5 | S7.5 | 1 | 1144 | HG |
| S10 | S10 | 1 | 1149 | HG |
| ICV17 | ICV17 | 1 | 1153 | HG |
| ICB17 | ICB17 | 1 | 1156 | HG |
| CCV54 | CCV54 | 1 | 1158 | HG |
| CCB54 | CCB54 | 1 | 1200 | HG |
| CRA | CRA | 1 | 1202 | HG |
| PB168743BL | PB168743BL | 1 | 1209 | HG |
| PB168743BS | PB168743BS | 1 | 1212 | HG |
| Q2491-01DUP | EO-1-070225DUP | 1 | 1224 | HG |
| Q2491-01MS | EO-1-070225MS | 1 | 1226 | HG |
| Q2491-01MSD | EO-1-070225MSD | 1 | 1229 | HG |
| CCV55 | CCV55 | 1 | 1234 | HG |
| CCB55 | CCB55 | 1 | 1236 | HG |
| Q2491-01L | EO-1-070225L | 5 | 1251 | HG |
| Q2503-05 | GCAP2A | 10 | 1255 | HG |
| CCV56 | CCV56 | 1 | 1258 | HG |
| CCB56 | CCB56 | 1 | 1300 | HG |

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**metals**
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**ANALYSIS RUN LOG**

**Client:** G Environmental **Contract:** GENV01

**Lab code:** ACE **Sdg no.:** Q2503

**Instrument id number:** **Method:** **Run number:** LB136403

**Start date:** 07/09/2025 **End date:** 07/09/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| S0 | S0 | 1 | 1126 | HG |
| S0.2 | S0.2 | 1 | 1128 | HG |
| S2.5 | S2.5 | 1 | 1131 | HG |
| S5 | S5 | 1 | 1133 | HG |
| S7.5 | S7.5 | 1 | 1136 | HG |
| S10 | S10 | 1 | 1138 | HG |
| ICV22 | ICV22 | 1 | 1143 | HG |
| ICB22 | ICB22 | 1 | 1146 | HG |
| CCV70 | CCV70 | 1 | 1148 | HG |
| CCB70 | CCB70 | 1 | 1150 | HG |
| CRA | CRA | 1 | 1153 | HG |
| CCV71 | CCV71 | 1 | 1218 | HG |
| CCB71 | CCB71 | 1 | 1220 | HG |
| PB168766BL | PB168766BL | 1 | 1237 | HG |
| PB168766BS | PB168766BS | 1 | 1239 | HG |
| CCV72 | CCV72 | 1 | 1256 | HG |
| CCB72 | CCB72 | 1 | 1258 | HG |
| Q2509-01DUP | AUD-25-0110-0111DUP | 1 | 1301 | HG |
| Q2509-01MS | AUD-25-0110-0111MS | 1 | 1307 | HG |
| Q2509-01MSD | AUD-25-0110-0111MSD | 1 | 1309 | HG |
| Q2509-01L | AUD-25-0110-0111L | 5 | 1318 | HG |
| Q2509-01A | AUD-25-0110-0111A | 1 | 1321 | HG |
| Q2503-01 | GCAP2W | 25 | 1328 | HG |
| CCV73 | CCV73 | 1 | 1331 | HG |
| CCB73 | CCB73 | 1 | 1333 | HG |

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**metals**
**- 14 -**
**ANALYSIS RUN LOG**

**Client:** G Environmental **Contract:** GENV01

**Lab code:** ACE **Sdg no.:** Q2503

**Instrument id number:** **Method:** **Run number:** LB136407

**Start date:** 07/09/2025 **End date:** 07/09/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| S0 | S0 | 1 | 0939 | 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 | 0944 | 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 | 0948 | 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 | 0952 | 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 | 0957 | 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 | 1001 | 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 | 1005 | 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 | 1017 | 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 | 1022 | 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 | 1026 | 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 | 1031 | 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 | 1035 | 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 | 1048 | 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 | 1057 | 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 | 1147 | 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 | 1156 | 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 | 1254 | 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 | 1258 | 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 | 1405 | 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 | 1428 | 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 | 1527 | 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 | 1533 | 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 | 1639 | 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 | 1643 | 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 | 1750 | 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 | 1754 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV08 | CCV08 | 1 | 1854 | 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 | 1858 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2503-01 | GCAP2W | 5 | 1908 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2503-05 | GCAP2A | 1 | 1921 | 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 | 1948 | 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 | 1952 | 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 | 2041 | 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 | 2045 | 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 | 2112 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB11 | CCB11 | 1 | 2116 | 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:** G Environmental **Contract:** GENV01

**Lab code:** ACE **Sdg no.:** Q2503

**Instrument id number:** **Method:** **Run number:** LB136434

**Start date:** 07/10/2025 **End date:** 07/11/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| S0 | S0 | 1 | 1646 | 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 | 1650 | 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 | 1655 | 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 | 1659 | 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 | 1703 | 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 | 1707 | 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 | 1839 | 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 | 1851 | 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 | 1855 | 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 | 1901 | 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 | 1911 | 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 | 1915 | 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 | 1943 | 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 | 1954 | 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 | 2059 | 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 | 2104 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2512-01DUP | WATER TREATMENT DISCHA | 1 | 2127 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2512-01L | WATER TREATMENT DISCHA | 5 | 2136 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2512-01MS | WATER TREATMENT DISCHA | 1 | 2150 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2512-01MSD | WATER TREATMENT DISCHA | 1 | 2159 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2512-01A | WATER TREATMENT DISCHA | 1 | 2203 | Mn |
| CCV03 | CCV03 | 1 | 2232 | 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 | 2236 | 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 | 2329 | 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 | 2353 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2512-01DUP | WATER TREATMENT DISCHA | 5 | 0002 | K |
| Q2512-01MS | WATER TREATMENT DISCHA | 5 | 0011 | K |
| Q2512-01MSD | WATER TREATMENT DISCHA | 5 | 0016 | K |
| PB168740BL | PB168740BL | 1 | 0034 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB168740BS | PB168740BS | 1 | 0038 | 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 | 0047 | 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 | 0051 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB168739BL | PB168739BL | 1 | 0056 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB168739BS | PB168739BS | 1 | 0100 | 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 | 0147 | 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 | 0223 | 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 | 0317 | 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 | 0326 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV08 | CCV08 | 1 | 0418 | 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 | 0427 | 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 | 0519 | 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:** G Environmental **Contract:** GENV01

**Lab code:** ACE **Sdg no.:** Q2503

**Instrument id number:** **Method:** **Run number:** LB136434

**Start date:** 07/10/2025 **End date:** 07/11/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| CCB09 | CCB09 | 1 | 0524 | 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 | 0616 | 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 | 0621 | 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 | 0643 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB11 | CCB11 | 1 | 0647 | 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:** G Environmental **Contract:** GENV01

**Lab code:** ACE **Sdg no.:** Q2503

**Instrument id number:** **Method:** **Run number:** LB136534

**Start date:** 07/17/2025 **End date:** 07/17/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| S0 | S0 | 1 | 1323 | 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 | 1328 | 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 | 1333 | 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 | 1338 | 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 | 1343 | 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 | 1348 | 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 | 1414 | 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 | 1424 | 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 | 1429 | 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 | 1439 | 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 | 1446 | 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 | 1451 | 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 | 1456 | 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 | 1501 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2515-01DUP | WC-1DUP | 1 | 1514 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2515-01MS | WC-1MS | 1 | 1524 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2515-01MSD | WC-1MSD | 1 | 1529 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2515-01A | WC-1A | 1 | 1534 | Ag,Be,Co,Cu,Na,Sb,Se,V |
| Q2515-01L | WC-1L | 5 | 1539 | 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 | 1544 | 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 | 1549 | 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 | 1718 | 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 | 1736 | 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 | 1845 | 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 | 1850 | 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 | 2011 | 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 | 2016 | 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 | 2046 | 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 | 2051 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |

# METAL PREPARATION & INSTRUMENT DATA

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

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE

**Instrument ID:** **Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte | Wave-Length (nm) | ICP Interelement Correction Factors For: Sn | Ti | Tl | V | Zn |
|---|---|---|---|---|---|---|
| Aluminum | 396.100 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.833 | -0.0035600 | -0.0007970 | 0.0000000 | -0.0018900 | 0.0000000 |
| Arsenic | 193.759 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 234.861 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000630 | 0.0001280 | 0.0000000 | 0.0000000 |
| Calcium | 373.690 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001110 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0018800 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 224.700 | 0.0000000 | 0.0003840 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 240.488 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | -0.0003610 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.490 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.090 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | -0.0007420 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 589.592 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.856 | 0.0000000 | -0.0039700 | 0.0000000 | -0.0115600 | 0.0000000 |
| Vanadium | 292.402 | 0.0000000 | 0.0005320 | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc | 213.800 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q2503 | **OrderDate:** | 7/3/2025 11:38:00 AM |
| **Client:** | G Environmental | **Project:** | Capra |
| **Contact:** | Gary Landis | **Location:** | --Select--,O11,VOA Lab |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q2503-01** | **GCAP2W** | **Water** | | | **07/02/25** | | | **07/03/25** |
| | | | Mercury | 7470A | | 07/08/25 | 07/09/25 | |
| | | | Metals ICP-TAL | 6010D | | 07/07/25 | 07/09/25 | |
| **Q2503-05** | **GCAP2A** | **SOIL** | | | **07/02/25** | | | **07/03/25** |
| | | | Mercury | 7471B | | 07/07/25 | 07/07/25 | |
| | | | Metals ICP-TAL | 6010D | | 07/07/25 | 07/09/25 | |

# METAL PREPARATION & ANALYICAL SUMMARY

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# Metals
## - 13 -
## SAMPLE PREPARATION SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE **Method:**

| Sample ID | Client ID | Sample Type | Matrix | Prep Date | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|---|---|---|---|---|---|---|---|
| **Batch Number:** | **PB168739** | | | | | | |
| PB168739BL | PB168739BL | MB | WATER | 07/07/2025 | 50.0 | 25.0 | |
| PB168739BS | PB168739BS | LCS | WATER | 07/07/2025 | 50.0 | 25.0 | |
| Q2503-01 | GCAP2W | SAM | WATER | 07/07/2025 | 50.0 | 25.0 | |
| Q2512-01DUP | WATER TREATMENT DISCHARGEDUP | DUP | WATER | 07/07/2025 | 50.0 | 25.0 | |
| Q2512-01MS | WATER TREATMENT DISCHARGEMS | MS | WATER | 07/07/2025 | 50.0 | 25.0 | |
| Q2512-01MSD | WATER TREATMENT DISCHARGEMSD | MSD | WATER | 07/07/2025 | 50.0 | 25.0 | |

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# Metals
## - 13 -
## SAMPLE PREPARATION SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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:** | **PB168740** | | | | | | |
| PB168740BL | PB168740BL | MB | SOLID | 07/07/2025 | 2.00 | 100.0 | 100.00 |
| PB168740BS | PB168740BS | LCS | SOLID | 07/07/2025 | 2.00 | 100.0 | 100.00 |
| Q2503-05 | GCAP2A | SAM | SOLID | 07/07/2025 | 2.30 | 100.0 | 77.00 |
| Q2515-01DUP | WC-1DUP | DUP | SOLID | 07/07/2025 | 2.39 | 100.0 | 87.50 |
| Q2515-01MS | WC-1MS | MS | SOLID | 07/07/2025 | 2.22 | 100.0 | 87.50 |
| Q2515-01MSD | WC-1MSD | MSD | SOLID | 07/07/2025 | 2.15 | 100.0 | 87.50 |

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# Metals
## - 13 -
## SAMPLE PREPARATION SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **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:** | **PB168743** | | | | | | |
| PB168743BL | PB168743BL | MB | SOLID | 07/07/2025 | 0.55 | 35.0 | 100.00 |
| PB168743BS | PB168743BS | LCS | SOLID | 07/07/2025 | 0.53 | 35.0 | 100.00 |
| Q2491-01DUP | EO-1-070225DUP | DUP | SOLID | 07/07/2025 | 0.55 | 35.0 | 92.40 |
| Q2491-01MS | EO-1-070225MS | MS | SOLID | 07/07/2025 | 0.54 | 35.0 | 92.40 |
| Q2491-01MSD | EO-1-070225MSD | MSD | SOLID | 07/07/2025 | 0.55 | 35.0 | 92.40 |
| Q2503-05 | GCAP2A | SAM | SOLID | 07/07/2025 | 0.56 | 35.0 | 77.00 |

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# Metals
## - 13 -
## SAMPLE PREPARATION SUMMARY

**Client:** G Environmental **SDG No.:** Q2503

**Contract:** GENV01 **Lab Code:** ACE **Method:**

| Sample ID | Client ID | Sample Type | Matrix | Prep Date | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|---|---|---|---|---|---|---|---|
| **Batch Number:** | **PB168766** | | | | | | |
| PB168766BL | PB168766BL | MB | WATER | 07/08/2025 | 30.0 | 30.0 | |
| PB168766BS | PB168766BS | LCS | WATER | 07/08/2025 | 30.0 | 30.0 | |
| Q2503-01 | GCAP2W | SAM | WATER | 07/08/2025 | 30.0 | 30.0 | |
| Q2509-01DUP | AUD-25-0110-0111DUP | DUP | WATER | 07/08/2025 | 30.0 | 30.0 | |
| Q2509-01MS | AUD-25-0110-0111MS | MS | WATER | 07/08/2025 | 30.0 | 30.0 | |
| Q2509-01MSD | AUD-25-0110-0111MSD | MSD | WATER | 07/08/2025 | 30.0 | 30.0 | |

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**Instrument ID:** CV1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136380

| | | | |
|---|---|---|---|
| Review By | jaswal | Review On | 7/7/2025 11:30:36 PM |
| Supervise By | MOHAN | Supervise On | 7/9/2025 10:31:49 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86288,MP86289,MP86290,MP86291,MP86292,MP86293 |
| ICV Standard | MP86294 |
| CCV Standard | MP86296 |
| ICSA Standard | |
| CRI Standard | MP86298 |
| LCS Standard | |
| Chk Standard | MP86295,MP86297,MP8699,MP86301 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | S0 | S0 | CAL1 | 07/07/25 11:35 | | MOHAN | OK |
| 2 | S0.2 | S0.2 | CAL2 | 07/07/25 11:37 | | MOHAN | OK |
| 3 | S2.5 | S2.5 | CAL3 | 07/07/25 11:40 | | MOHAN | OK |
| 4 | S5 | S5 | CAL4 | 07/07/25 11:42 | | MOHAN | OK |
| 5 | S7.5 | S7.5 | CAL5 | 07/07/25 11:44 | | MOHAN | OK |
| 6 | S10 | S10 | CAL6 | 07/07/25 11:49 | | MOHAN | OK |
| 7 | ICV17 | ICV17 | ICV | 07/07/25 11:53 | | MOHAN | OK |
| 8 | ICB17 | ICB17 | ICB | 07/07/25 11:56 | | MOHAN | OK |
| 9 | CCV54 | CCV54 | CCV | 07/07/25 11:58 | | MOHAN | OK |
| 10 | CCB54 | CCB54 | CCB | 07/07/25 12:00 | | MOHAN | OK |
| 11 | CRA | CRA | CRDL | 07/07/25 12:02 | | MOHAN | OK |
| 12 | HighStd | HighStd | HIGH STD | 07/07/25 12:05 | | MOHAN | OK |
| 13 | ChkStd | ChkStd | SAM | 07/07/25 12:07 | | MOHAN | OK |
| 14 | PB168743BL | PB168743BL | MB | 07/07/25 12:09 | | MOHAN | OK |
| 15 | PB168743BS | PB168743BS | LCS | 07/07/25 12:12 | | MOHAN | OK |
| 16 | Q2491-01 | EO-1-070225 | SAM | 07/07/25 12:19 | | MOHAN | OK |
| 17 | Q2491-01DUP | EO-1-070225DUP | DUP | 07/07/25 12:24 | | MOHAN | OK |
| 18 | Q2491-01MS | EO-1-070225MS | MS | 07/07/25 12:26 | | MOHAN | OK |

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**Instrument ID:** CV1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136380

| | | | |
|---|---|---|---|
| Review By | jaswal | Review On | 7/7/2025 11:30:36 PM |
| Supervise By | MOHAN | Supervise On | 7/9/2025 10:31:49 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86288,MP86289,MP86290,MP86291,MP86292,MP86293 |
| ICV Standard | MP86294 |
| CCV Standard | MP86296 |
| ICSA Standard | |
| CRI Standard | MP86298 |
| LCS Standard | |
| Chk Standard | MP86295,MP86297,MP8699,MP86301 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q2491-01MSD | EO-1-070225MSD | MSD | 07/07/25 12:29 | | MOHAN | OK |
| 20 | Q2493-01 | WC-11 | SAM | 07/07/25 12:31 | | MOHAN | OK |
| 21 | CCV55 | CCV55 | CCV | 07/07/25 12:34 | | MOHAN | OK |
| 22 | CCB55 | CCB55 | CCB | 07/07/25 12:36 | | MOHAN | OK |
| 23 | Q2503-05 | GCAP2A | SAM | 07/07/25 12:38 | Hg high | MOHAN | Dilution |
| 24 | Q2507-01 | SU-04-7.3-2025 | SAM | 07/07/25 12:41 | | MOHAN | OK |
| 25 | Q2513-01 | HR-2-070325 | SAM | 07/07/25 12:44 | | MOHAN | OK |
| 26 | Q2513-03 | HR-3-070325 | SAM | 07/07/25 12:46 | | MOHAN | OK |
| 27 | Q2515-01 | WC-1 | SAM | 07/07/25 12:48 | | MOHAN | OK |
| 28 | Q2491-01L | EO-1-070225L | SD | 07/07/25 12:51 | | MOHAN | OK |
| 29 | Q2491-01A | EO-1-070225A | PS | 07/07/25 12:53 | | MOHAN | OK |
| 30 | Q2503-05DL | GCAP2ADL | SAM | 07/07/25 12:55 | 10X For Hg | MOHAN | Confirms |
| 31 | CCV56 | CCV56 | CCV | 07/07/25 12:58 | | MOHAN | OK |
| 32 | CCB56 | CCB56 | CCB | 07/07/25 13:00 | | MOHAN | OK |

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**Instrument ID:** CV1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136403

| | | | |
|---|---|---|---|
| Review By | MOHAN | Review On | 7/10/2025 9:48:52 AM |
| Supervise By | jaswal | Supervise On | 7/10/2025 11:31:40 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86306,MP86307,MP86308,MP86309,MP86310,MP86311 |
| ICV Standard | MP86312 |
| CCV Standard | MP86314 |
| ICSA Standard | |
| CRI Standard | MP86316 |
| LCS Standard | |
| Chk Standard | MP86313,MP86315,MP86317,MP86335 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | S0 | S0 | CAL1 | 07/09/25 11:26 | | MOHAN | OK |
| 2 | S0.2 | S0.2 | CAL2 | 07/09/25 11:28 | | MOHAN | OK |
| 3 | S2.5 | S2.5 | CAL3 | 07/09/25 11:31 | | MOHAN | OK |
| 4 | S5 | S5 | CAL4 | 07/09/25 11:33 | | MOHAN | OK |
| 5 | S7.5 | S7.5 | CAL5 | 07/09/25 11:36 | | MOHAN | OK |
| 6 | S10 | S10 | CAL6 | 07/09/25 11:38 | | MOHAN | OK |
| 7 | ICV22 | ICV22 | ICV | 07/09/25 11:43 | | MOHAN | OK |
| 8 | ICB22 | ICB22 | ICB | 07/09/25 11:46 | | MOHAN | OK |
| 9 | CCV70 | CCV70 | CCV | 07/09/25 11:48 | | MOHAN | OK |
| 10 | CCB70 | CCB70 | CCB | 07/09/25 11:50 | | MOHAN | OK |
| 11 | CRA | CRA | CRDL | 07/09/25 11:53 | | MOHAN | OK |
| 12 | HighStd | HighStd | HIGH STD | 07/09/25 11:55 | | MOHAN | OK |
| 13 | ChkStd | ChkStd | SAM | 07/09/25 11:57 | | MOHAN | OK |
| 14 | PB168760BL | PB168760BL | MB | 07/09/25 12:00 | | MOHAN | OK |
| 15 | PB168760BS | PB168760BS | LCS | 07/09/25 12:02 | | MOHAN | OK |
| 16 | Q2489-01 | G4(0-6) | SAM | 07/09/25 12:04 | | MOHAN | OK |
| 17 | Q2489-02 | G4(6-12) | SAM | 07/09/25 12:06 | | MOHAN | OK |
| 18 | Q2489-03 | G3(0-6) | SAM | 07/09/25 12:09 | | MOHAN | OK |

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**Instrument ID:** CV1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136403

| | | | |
|---|---|---|---|
| Review By | MOHAN | Review On | 7/10/2025 9:48:52 AM |
| Supervise By | jaswal | Supervise On | 7/10/2025 11:31:40 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86306,MP86307,MP86308,MP86309,MP86310,MP86311 |
| ICV Standard | MP86312 |
| CCV Standard | MP86314 |
| ICSA Standard | |
| CRI Standard | MP86316 |
| LCS Standard | |
| Chk Standard | MP86313,MP86315,MP86317,MP86335 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q2489-04 | G3(6-12) | SAM | 07/09/25 12:14 | | MOHAN | OK |
| 20 | Q2489-05 | G2(0-6) | SAM | 07/09/25 12:16 | | MOHAN | OK |
| 21 | CCV71 | CCV71 | CCV | 07/09/25 12:18 | | MOHAN | OK |
| 22 | CCB71 | CCB71 | CCB | 07/09/25 12:20 | | MOHAN | OK |
| 23 | Q2489-06 | G2(6-12) | SAM | 07/09/25 12:23 | | MOHAN | OK |
| 24 | Q2489-07 | G1(0-6) | SAM | 07/09/25 12:25 | | MOHAN | OK |
| 25 | Q2489-08 | G1(6-12) | SAM | 07/09/25 12:27 | | MOHAN | OK |
| 26 | Q2489-08DUP | G1(6-12)DUP | DUP | 07/09/25 12:30 | | MOHAN | OK |
| 27 | Q2489-08MS | G1(6-12)MS | MS | 07/09/25 12:32 | | MOHAN | OK |
| 28 | Q2489-08MSD | G1(6-12)MSD | MSD | 07/09/25 12:34 | | MOHAN | OK |
| 29 | PB168766BL | PB168766BL | MB | 07/09/25 12:37 | | MOHAN | OK |
| 30 | PB168766BS | PB168766BS | LCS | 07/09/25 12:39 | | MOHAN | OK |
| 31 | Q2503-01 | GCAP2W | SAM | 07/09/25 12:41 | Hg is high | MOHAN | Dilution |
| 32 | Q2509-01 | AUD-25-0110-0111 | SAM | 07/09/25 12:48 | | MOHAN | OK |
| 33 | CCV72 | CCV72 | CCV | 07/09/25 12:56 | | MOHAN | OK |
| 34 | CCB72 | CCB72 | CCB | 07/09/25 12:58 | | MOHAN | OK |
| 35 | Q2509-01DUP | AUD-25-0110-0111DU | DUP | 07/09/25 13:01 | | MOHAN | OK |
| 36 | Q2509-01MS | AUD-25-0110-0111MS | MS | 07/09/25 13:07 | | MOHAN | OK |
| 37 | Q2509-01MSD | AUD-25-0110-0111MS | MSD | 07/09/25 13:09 | | MOHAN | OK |
| 38 | PB168728TB | PB168728TB | MB | 07/09/25 13:12 | | MOHAN | OK |

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**Instrument ID:** CV1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136403

| | | | |
|---|---|---|---|
| Review By | MOHAN | Review On | 7/10/2025 9:48:52 AM |
| Supervise By | jaswal | Supervise On | 7/10/2025 11:31:40 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86306,MP86307,MP86308,MP86309,MP86310,MP86311 |
| ICV Standard | MP86312 |
| CCV Standard | MP86314 |
| ICSA Standard | |
| CRI Standard | MP86316 |
| LCS Standard | |
| Chk Standard | MP86313,MP86315,MP86317,MP86335 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 39 | Q2489-08L | G1(6-12)L | SD | 07/09/25 13:14 | | MOHAN | OK |
| 40 | Q2489-08A | G1(6-12)A | PS | 07/09/25 13:16 | | MOHAN | OK |
| 41 | Q2509-01L | AUD-25-0110-0111L | SD | 07/09/25 13:18 | | MOHAN | OK |
| 42 | Q2509-01A | AUD-25-0110-0111A | PS | 07/09/25 13:21 | | MOHAN | OK |
| 43 | Q2503-01DL | GCAP2WDL | SAM | 07/09/25 13:28 | 25X for Hg | MOHAN | Confirms |
| 44 | CCV73 | CCV73 | CCV | 07/09/25 13:31 | | MOHAN | OK |
| 45 | CCB73 | CCB73 | CCB | 07/09/25 13:33 | | MOHAN | OK |

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**Instrument ID:** P5

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136407

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 7/10/2025 7:19:58 PM |
| Supervise By | jaswal | Supervise On | 7/10/2025 11:33:47 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86192,MP86193,MP86194,MP86195,MP86196,MP86212 |
| ICV Standard | MP86219 |
| CCV Standard | MP86216 |
| ICSA Standard | MP86214,MP86220 |
| CRI Standard | MP86212 |
| LCS Standard | |
| Chk Standard | MP86217,MP86218 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | S0 | S0 | CAL1 | 07/09/25 09:39 | | Janvi | OK |
| 2 | S1 | S1 | CAL2 | 07/09/25 09:44 | | Janvi | OK |
| 3 | S2 | S2 | CAL3 | 07/09/25 09:48 | | Janvi | OK |
| 4 | S3 | S3 | CAL4 | 07/09/25 09:52 | | Janvi | OK |
| 5 | S4 | S4 | CAL5 | 07/09/25 09:57 | | Janvi | OK |
| 6 | S5 | S5 | CAL6 | 07/09/25 10:01 | | Janvi | OK |
| 7 | ICV01 | ICV01 | ICV | 07/09/25 10:05 | | Janvi | OK |
| 8 | LLICV01 | LLICV01 | LLICV | 07/09/25 10:17 | | Janvi | OK |
| 9 | ICB01 | ICB01 | ICB | 07/09/25 10:22 | | Janvi | OK |
| 10 | CRI01 | CRI01 | CRDL | 07/09/25 10:26 | | Janvi | OK |
| 11 | ICSA01 | ICSA01 | ICSA | 07/09/25 10:31 | | Janvi | OK |
| 12 | ICSAB01 | ICSAB01 | ICSAB | 07/09/25 10:35 | | Janvi | OK |
| 13 | ICSADL | ICSADL | ICSA | 07/09/25 10:39 | | Janvi | OK |
| 14 | ICSABDL | ICSABDL | ICSAB | 07/09/25 10:44 | | Janvi | OK |
| 15 | CCV01 | CCV01 | CCV | 07/09/25 10:48 | | Janvi | OK |
| 16 | CCB01 | CCB01 | CCB | 07/09/25 10:57 | | Janvi | OK |
| 17 | Q2425-01 | COMP-1 | SAM | 07/09/25 11:02 | | Janvi | OK |
| 18 | Q2425-02 | COMP-2 | SAM | 07/09/25 11:06 | | Janvi | OK |

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**Instrument ID:** P5

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136407

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 7/10/2025 7:19:58 PM |
| Supervise By | jaswal | Supervise On | 7/10/2025 11:33:47 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86192,MP86193,MP86194,MP86195,MP86196,MP86212 |
| ICV Standard | MP86219 |
| CCV Standard | MP86216 |
| ICSA Standard | MP86214,MP86220 |
| CRI Standard | MP86212 |
| LCS Standard | |
| Chk Standard | MP86217,MP86218 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q2425-03 | COMP-3 | SAM | 07/09/25 11:11 | | Janvi | OK |
| 20 | Q2425-03DUP | COMP-3DUP | DUP | 07/09/25 11:15 | | Janvi | OK |
| 21 | Q2425-03L | COMP-3L | SD | 07/09/25 11:20 | | Janvi | OK |
| 22 | Q2425-03MS | COMP-3MS | MS | 07/09/25 11:24 | | Janvi | OK |
| 23 | Q2425-03MSD | COMP-3MSD | MSD | 07/09/25 11:29 | | Janvi | OK |
| 24 | Q2425-03A | COMP-3A | PS | 07/09/25 11:33 | 0.1ML OF M6004 AND M6013 IN 10ML SAMPLE. | Janvi | OK |
| 25 | PB168628BL | PB168628BL | MB | 07/09/25 11:38 | | Janvi | OK |
| 26 | PB168628BS | PB168628BS | LCS | 07/09/25 11:42 | | Janvi | OK |
| 27 | CCV02 | CCV02 | CCV | 07/09/25 11:47 | | Janvi | OK |
| 28 | CCB02 | CCB02 | CCB | 07/09/25 11:56 | | Janvi | OK |
| 29 | Q2477-01 | 50728 | SAM | 07/09/25 12:10 | CCB Fail for Al | Janvi | Not Ok |
| 30 | Q2477-01DUP | 50728DUP | DUP | 07/09/25 12:14 | CCB Fail for Al | Janvi | Not Ok |
| 31 | Q2477-01L | 50728L | SD | 07/09/25 12:18 | CCB Fail for Al | Janvi | Not Ok |
| 32 | Q2477-01MS | 50728MS | MS | 07/09/25 12:23 | CCB Fail for Al | Janvi | Not Ok |
| 33 | Q2477-01MSD | 50728MSD | MSD | 07/09/25 12:27 | CCB Fail for Al | Janvi | Not Ok |
| 34 | Q2477-01A | 50728A | PS | 07/09/25 12:31 | CCB Fail for Al | Janvi | Not Ok |
| 35 | Q2473-07 | PIT#3 | SAM | 07/09/25 12:36 | NOT USE | Janvi | Not Ok |
| 36 | Q2473-08 | PIT#4 | SAM | 07/09/25 12:40 | NOT USE | Janvi | Not Ok |
| 37 | PB168748BL | PB168748BL | MB | 07/09/25 12:45 | CCB Fail for Al | Janvi | Not Ok |

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**Instrument ID:** P5

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136407

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 7/10/2025 7:19:58 PM |
| Supervise By | jaswal | Supervise On | 7/10/2025 11:33:47 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86192,MP86193,MP86194,MP86195,MP86196,MP86212 |
| ICV Standard | MP86219 |
| CCV Standard | MP86216 |
| ICSA Standard | MP86214,MP86220 |
| CRI Standard | MP86212 |
| LCS Standard | |
| Chk Standard | MP86217,MP86218 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 38 | PB168748BS | PB168748BS | LCS | 07/09/25 12:49 | CCB Fail for Al | Janvi | Not Ok |
| 39 | CCV03 | CCV03 | CCV | 07/09/25 12:54 | | Janvi | OK |
| 40 | CCB03 | CCB03 | CCB | 07/09/25 12:58 | CCB Fail for Al | Janvi | OK |
| 41 | Q2481-01DL | CC0627-ALDL | SAM | 07/09/25 13:06 | CCB Fail for Ag, Straight 10x Dilution for all elements | Janvi | Not Ok |
| 42 | Q2481-01DUPDL | CC0627-ALDUPDL | DUP | 07/09/25 13:11 | CCB Fail for Ag, Straight 10x Dilution for all elements | Janvi | Not Ok |
| 43 | Q2481-011DL | CC0627-AL | SAM | 07/09/25 13:16 | CCB Fail for Ag, Straight 10x Dilution for all elements | Janvi | Not Ok |
| 44 | Q2481-01MSDL | CC0627-ALMSDL | MS | 07/09/25 13:20 | CCB Fail for Ag, Straight 10x Dilution for all elements | Janvi | Not Ok |
| 45 | Q2481-01MSDDL | CC0627-ALMSDDL | MSD | 07/09/25 13:25 | CCB Fail for Ag, Straight 10x Dilution for all elements | Janvi | Not Ok |
| 46 | Q2481-01ADL | CC0627-ALADL | PS | 07/09/25 13:30 | CCB Fail for Ag, Straight 10x Dilution for all elements | Janvi | Not Ok |
| 47 | Q2481-02DL | CC0627-CLOXPLDL | SAM | 07/09/25 13:35 | CCB Fail for Ag, Straight 10x Dilution for all elements | Janvi | Not Ok |
| 48 | Q2481-03DL | CC0625-OXBLDL | SAM | 07/09/25 13:40 | CCB Fail for Ag, Straight 10x Dilution for all elements | Janvi | Not Ok |
| 49 | Q2481-03DL2 | CC0625-OXBLDL2 | SAM | 07/09/25 13:44 | CCB Fail for Ag, Straight 10x Dilution for all elements | Janvi | Not Ok |
| 50 | Q2481-04DL | CC0627-AOXLDL | SAM | 07/09/25 13:49 | CCB Fail for Ag, Straight 10x Dilution for all elements | Janvi | Not Ok |
| 51 | CCV04 | CCV04 | CCV | 07/09/25 14:05 | | Janvi | OK |
| 52 | CCB04 | CCB04 | CCB | 07/09/25 14:28 | CCB Fail for Ag | Janvi | OK |
| 53 | Q2481-06DL | CC0267-OXPLDL | SAM | 07/09/25 14:33 | CCB Fail for Ag, Straight 5x Dilution for all elements | Janvi | Not Ok |

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**Instrument ID:** P5

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136407

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 7/10/2025 7:19:58 PM |
| Supervise By | jaswal | Supervise On | 7/10/2025 11:33:47 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86192,MP86193,MP86194,MP86195,MP86196,MP86212 |
| ICV Standard | MP86219 |
| CCV Standard | MP86216 |
| ICSA Standard | MP86214,MP86220 |
| CRI Standard | MP86212 |
| LCS Standard | |
| Chk Standard | MP86217,MP86218 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Q2481-07DL | CC0627-OXLDL | SAM | 07/09/25 14:37 | CCB Fail for Ag, Straight 5x Dilution for all elements | Janvi | Not Ok |
| 55 | Q2481-08 | CC0627-CLOXAL | SAM | 07/09/25 14:42 | CCB Fail for Ag | Janvi | Not Ok |
| 56 | Q2481-09DL | CC0627-BLDL | SAM | 07/09/25 14:46 | CCB Fail for Ag, Straight 5x Dilution for all elements | Janvi | Not Ok |
| 57 | Q2481-10DL | CC0627-SFBLDL | SAM | 07/09/25 14:51 | CCB Fail for Ag, Straight 5x Dilution for all elements | Janvi | Not Ok |
| 58 | Q2481-05DL | CC0625-NLDL | SAM | 07/09/25 14:56 | CCB Fail for Ag, Straight 5x Dilution for all elements | Janvi | Not Ok |
| 59 | Q2509-01 | AUD-25-0110-0111 | SAM | 07/09/25 15:00 | CCB Fail for Ag | Janvi | Not Ok |
| 60 | Q2512-01 | WATER TREATMENT | SAM | 07/09/25 15:05 | CCB Fail for Ag | Janvi | Not Ok |
| 61 | Q2488-01 | RW8-SP100-2025070 | SAM | 07/09/25 15:10 | | Janvi | OK |
| 62 | PB168705TB | PB168705TB | MB | 07/09/25 15:14 | CCB Fail for Ag | Janvi | Not Ok |
| 63 | CCV05 | CCV05 | CCV | 07/09/25 15:27 | | Janvi | OK |
| 64 | CCB05 | CCB05 | CCB | 07/09/25 15:33 | CCB Fail for Ag | Janvi | OK |
| 65 | Q2503-01 | GCAP2W | SAM | 07/09/25 15:37 | CCB Fail for Ag | Janvi | Not Ok |
| 66 | Q2512-01DUP | WATER TREATMENT | DUP | 07/09/25 15:43 | CCB Fail for Ag | Janvi | Not Ok |
| 67 | Q2512-01L | WATER TREATMENT | SD | 07/09/25 15:47 | CCB Fail for Ag | Janvi | Not Ok |
| 68 | Q2512-01MS | WATER TREATMENT | MS | 07/09/25 15:52 | CCB Fail for Ag | Janvi | Not Ok |
| 69 | Q2512-01MSD | WATER TREATMENT | MSD | 07/09/25 15:56 | CCB Fail for Ag | Janvi | Not Ok |
| 70 | Q2512-01A | WATER TREATMENT | PS | 07/09/25 16:01 | CCB Fail for Ag | Janvi | Not Ok |
| 71 | PB168712BL | PB168712BL | MB | 07/09/25 16:05 | CCB Fail for Ag | Janvi | Not Ok |
| 72 | PB168712BS | PB168712BS | LCS | 07/09/25 16:09 | CCB Fail for Ag | Janvi | Not Ok |

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**Instrument ID:** P5

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136407

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 7/10/2025 7:19:58 PM |
| Supervise By | jaswal | Supervise On | 7/10/2025 11:33:47 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86192,MP86193,MP86194,MP86195,MP86196,MP86212 |
| ICV Standard | MP86219 |
| CCV Standard | MP86216 |
| ICSA Standard | MP86214,MP86220 |
| CRI Standard | MP86212 |
| LCS Standard | |
| Chk Standard | MP86217,MP86218 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 73 | CCV06 | CCV06 | CCV | 07/09/25 16:39 | | Janvi | OK |
| 74 | CCB06 | CCB06 | CCB | 07/09/25 16:43 | | Janvi | OK |
| 75 | Q2488-02 | RW8-SP303-2025070 | SAM | 07/09/25 16:52 | | Janvi | OK |
| 76 | Q2487-15 | G1(0-6) | SAM | 07/09/25 17:14 | Al,Ba,Ca,Pb,Zn High | Janvi | Dilution |
| 77 | Q2484-02 | TP-57 | SAM | 07/09/25 17:19 | | Janvi | OK |
| 78 | Q2484-03 | TP-64 | SAM | 07/09/25 17:23 | | Janvi | OK |
| 79 | Q2484-04 | TP-107 | SAM | 07/09/25 17:28 | | Janvi | OK |
| 80 | Q2484-05 | TP-106 | SAM | 07/09/25 17:32 | | Janvi | OK |
| 81 | Q2484-06 | TP-104 | SAM | 07/09/25 17:37 | NOT USE | Janvi | Not Ok |
| 82 | Q2484-06DUP | TP-104DUP | DUP | 07/09/25 17:41 | NOT USE | Janvi | Not Ok |
| 83 | Q2484-06L | TP-104L | SD | 07/09/25 17:46 | NOT USE | Janvi | Not Ok |
| 84 | CCV07 | CCV07 | CCV | 07/09/25 17:50 | | Janvi | OK |
| 85 | CCB07 | CCB07 | CCB | 07/09/25 17:54 | | Janvi | OK |
| 86 | Q2484-06MS | TP-104MS | MS | 07/09/25 17:59 | Bad injection | Janvi | Not Ok |
| 87 | Q2484-06MSD | TP-104MSD | MSD | 07/09/25 18:03 | Bad injection | Janvi | Not Ok |
| 88 | Q2484-06A | TP-104A | PS | 07/09/25 18:08 | NOT USE | Janvi | Not Ok |
| 89 | Q2487-09 | G4(0-6) | SAM | 07/09/25 18:12 | | Janvi | OK |
| 90 | Q2487-10 | G4(6-12) | SAM | 07/09/25 18:17 | | Janvi | OK |
| 91 | Q2487-11 | G3(0-6) | SAM | 07/09/25 18:21 | Zn high | Janvi | Dilution |
| 92 | Q2487-12 | G3(6-12) | SAM | 07/09/25 18:26 | | Janvi | OK |

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**Instrument ID:** P5

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136407

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 7/10/2025 7:19:58 PM |
| Supervise By | jaswal | Supervise On | 7/10/2025 11:33:47 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86192,MP86193,MP86194,MP86195,MP86196,MP86212 |
| ICV Standard | MP86219 |
| CCV Standard | MP86216 |
| ICSA Standard | MP86214,MP86220 |
| CRI Standard | MP86212 |
| LCS Standard | |
| Chk Standard | MP86217,MP86218 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 93 | Q2487-13 | G2(0-6) | SAM | 07/09/25 18:31 | | Janvi | OK |
| 94 | PB168689TB | PB168689TB | MB | 07/09/25 18:35 | | Janvi | OK |
| 95 | Q2473-02 | PIT#2 | SAM | 07/09/25 18:40 | | Janvi | OK |
| 96 | CCV08 | CCV08 | CCV | 07/09/25 18:54 | | Janvi | OK |
| 97 | CCB08 | CCB08 | CCB | 07/09/25 18:58 | | Janvi | OK |
| 98 | Q2487-16 | G1(6-12) | SAM | 07/09/25 19:03 | Zn high | Janvi | Dilution |
| 99 | Q2503-01DL | GCAP2WDL | SAM | 07/09/25 19:08 | Straight 5x Dilution for all elements | Janvi | OK |
| 100 | PB168740BL | PB168740BL | MB | 07/09/25 19:12 | Not Use | Janvi | Not Ok |
| 101 | PB168740BS | PB168740BS | LCS | 07/09/25 19:16 | Not Use | Janvi | Not Ok |
| 102 | Q2503-05 | GCAP2A | SAM | 07/09/25 19:21 | | Janvi | OK |
| 103 | Q2513-01 | HR-2-070325 | SAM | 07/09/25 19:25 | | Janvi | OK |
| 104 | Q2513-03 | HR-3-070325 | SAM | 07/09/25 19:30 | | Janvi | OK |
| 105 | Q2514-01 | TP-92 | SAM | 07/09/25 19:34 | | Janvi | OK |
| 106 | Q2514-02 | TP-93 | SAM | 07/09/25 19:39 | | Janvi | OK |
| 107 | Q2514-03 | TP-94 | SAM | 07/09/25 19:43 | | Janvi | OK |
| 108 | CCV09 | CCV09 | CCV | 07/09/25 19:48 | | Janvi | OK |
| 109 | CCB09 | CCB09 | CCB | 07/09/25 19:52 | | Janvi | OK |
| 110 | Q2514-04 | TP-96 | SAM | 07/09/25 19:56 | | Janvi | OK |
| 111 | Q2514-05 | TP-97 | SAM | 07/09/25 20:01 | | Janvi | OK |

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**Instrument ID:** P5

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136407

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 7/10/2025 7:19:58 PM |
| Supervise By | jaswal | Supervise On | 7/10/2025 11:33:47 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86192,MP86193,MP86194,MP86195,MP86196,MP86212 |
| ICV Standard | MP86219 |
| CCV Standard | MP86216 |
| ICSA Standard | MP86214,MP86220 |
| CRI Standard | MP86212 |
| LCS Standard | |
| Chk Standard | MP86217,MP86218 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 112 | Q2514-06 | TP-103 | SAM | 07/09/25 20:05 | | Janvi | OK |
| 113 | Q2514-07 | TP-36 | SAM | 07/09/25 20:10 | | Janvi | OK |
| 114 | Q2514-08 | TP-78 | SAM | 07/09/25 20:14 | | Janvi | OK |
| 115 | Q2514-09 | TP-81 | SAM | 07/09/25 20:19 | | Janvi | OK |
| 116 | Q2514-10 | TP-90 | SAM | 07/09/25 20:23 | | Janvi | OK |
| 117 | Q2515-01 | WC-1 | SAM | 07/09/25 20:28 | NOT USE | Janvi | Not Ok |
| 118 | Q2515-01DUP | WC-1DUP | DUP | 07/09/25 20:32 | NOT USE | Janvi | Not Ok |
| 119 | Q2515-01L | WC-1L | SD | 07/09/25 20:37 | NOT USE | Janvi | Not Ok |
| 120 | CCV10 | CCV10 | CCV | 07/09/25 20:41 | | Janvi | OK |
| 121 | CCB10 | CCB10 | CCB | 07/09/25 20:45 | | Janvi | OK |
| 122 | Q2515-01MS | WC-1MS | MS | 07/09/25 20:50 | Bad Injection | Janvi | Not Ok |
| 123 | Q2515-01MSD | WC-1MSD | MSD | 07/09/25 20:54 | NOT USE | Janvi | Not Ok |
| 124 | Q2515-01A | WC-1A | PS | 07/09/25 20:59 | NOT USE | Janvi | Not Ok |
| 125 | Q2487-14 | G2(6-12) | SAM | 07/09/25 21:03 | Zn high | Janvi | Dilution |
| 126 | Q2487-15DL | G1(0-6)DL | SAM | 07/09/25 21:08 | 5x for Dilution for Al,Ba,Ca,Pb,Zn | Janvi | Confirms |
| 127 | CCV11 | CCV11 | CCV | 07/09/25 21:12 | | Janvi | OK |
| 128 | CCB11 | CCB11 | CCB | 07/09/25 21:16 | | Janvi | OK |

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**Instrument ID:** P5

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136434

| | | | |
|---|---|---|---|
| Review By | jaswal | Review On | 7/12/2025 3:14:54 AM |
| Supervise By | MOHAN | Supervise On | 7/18/2025 9:42:17 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86192,MP86193,MP86194,MP86195,MP86196,MP86212 |
| ICV Standard | MP86219 |
| CCV Standard | MP86216 |
| ICSA Standard | MP86214,MP86220 |
| CRI Standard | MP86212 |
| LCS Standard | |
| Chk Standard | MP86217,MP86218 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | S0 | S0 | CAL1 | 07/10/25 16:46 | | Janvi | OK |
| 2 | S1 | S1 | CAL2 | 07/10/25 16:50 | | Janvi | OK |
| 3 | S2 | S2 | CAL3 | 07/10/25 16:55 | | Janvi | OK |
| 4 | S3 | S3 | CAL4 | 07/10/25 16:59 | | Janvi | OK |
| 5 | S4 | S4 | CAL5 | 07/10/25 17:03 | | Janvi | OK |
| 6 | S5 | S5 | CAL6 | 07/10/25 17:07 | | Janvi | OK |
| 7 | ICV01 | ICV01 | ICV | 07/10/25 18:39 | ICV fail for K,Ag (200.7) (95-105) | Janvi | OK |
| 8 | LLICV01 | LLICV01 | LLICV | 07/10/25 18:51 | | Janvi | OK |
| 9 | ICB01 | ICB01 | ICB | 07/10/25 18:55 | | Janvi | OK |
| 10 | CRI01 | CRI01 | CRDL | 07/10/25 19:01 | | Janvi | OK |
| 11 | ICSA01 | ICSA01 | ICSA | 07/10/25 19:11 | | Janvi | OK |
| 12 | ICSAB01 | ICSAB01 | ICSAB | 07/10/25 19:15 | | Janvi | OK |
| 13 | ICSADL | ICSADL | ICSA | 07/10/25 19:20 | | Janvi | OK |
| 14 | ICSABDL | ICSABDL | ICSAB | 07/10/25 19:24 | | Janvi | OK |
| 15 | CCV01 | CCV01 | CCV | 07/10/25 19:43 | | Janvi | OK |
| 16 | CCB01 | CCB01 | CCB | 07/10/25 19:54 | | Janvi | OK |
| 17 | Q2532-01 | 001-WILLETS-PT-BL | SAM | 07/10/25 19:58 | | Janvi | OK |
| 18 | Q2532-02 | 002-35th-AVE(MAY) | SAM | 07/10/25 20:03 | | Janvi | OK |

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**Instrument ID:** P5

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136434

| | | | |
|---|---|---|---|
| Review By | jaswal | Review On | 7/12/2025 3:14:54 AM |
| Supervise By | MOHAN | Supervise On | 7/18/2025 9:42:17 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86192,MP86193,MP86194,MP86195,MP86196,MP86212 |
| ICV Standard | MP86219 |
| CCV Standard | MP86216 |
| ICSA Standard | MP86214,MP86220 |
| CRI Standard | MP86212 |
| LCS Standard | |
| Chk Standard | MP86217,MP86218 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q2533-01 | 001 WILLETS PT BLV | SAM | 07/10/25 20:08 | | Janvi | OK |
| 20 | Q2533-02 | 002-35th-AVE(JUNE) | SAM | 07/10/25 20:12 | | Janvi | OK |
| 21 | Q2509-01 | AUD-25-0110-0111 | SAM | 07/10/25 20:17 | | Janvi | OK |
| 22 | Q2512-01 | WATER TREATMENT | SAM | 07/10/25 20:21 | K oversaturated | Janvi | Dilution |
| 23 | Q2520-24 | A-24 | SAM | 07/10/25 20:26 | | Janvi | OK |
| 24 | Q2520-24DUP | A-24DUP | DUP | 07/10/25 20:30 | | Janvi | OK |
| 25 | Q2520-24L | A-24L | SD | 07/10/25 20:35 | | Janvi | OK |
| 26 | Q2520-24MS | A-24MS | MS | 07/10/25 20:55 | | Janvi | OK |
| 27 | CCV02 | CCV02 | CCV | 07/10/25 20:59 | | Janvi | OK |
| 28 | CCB02 | CCB02 | CCB | 07/10/25 21:04 | | Janvi | OK |
| 29 | Q2520-24MSD | A-24MSD | MSD | 07/10/25 21:09 | | Janvi | OK |
| 30 | Q2520-24A | A-24A | PS | 07/10/25 21:14 | 0.1ml of M6004,M6013 in 10ml sample. | Janvi | OK |
| 31 | PB168772BL | PB168772BL | MB | 07/10/25 21:18 | Not use | Janvi | Not Ok |
| 32 | Q2512-01DUP | WATER TREATMENT | DUP | 07/10/25 21:27 | K oversaturated | Janvi | Dilution |
| 33 | PB168772BS | PB168772BS | LCS | 07/10/25 21:31 | Not use | Janvi | Not Ok |
| 34 | Q2512-01L | WATER TREATMENT | SD | 07/10/25 21:36 | | Janvi | OK |
| 35 | Q2512-01MS | WATER TREATMENT | MS | 07/10/25 21:50 | K oversaturated | Janvi | Dilution |
| 36 | Q2512-01MSD | WATER TREATMENT | MSD | 07/10/25 21:59 | K oversaturated | Janvi | Dilution |
| 37 | Q2512-01A | WATER TREATMENT | PS | 07/10/25 22:03 | K oversaturated, 0.1ml of M6004,M6013 in 10ml sample. | Janvi | Dilution |

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Fax : 908 789 8922

**Instrument ID:** P5

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136434

| | | | |
|---|---|---|---|
| Review By | jaswal | Review On | 7/12/2025 3:14:54 AM |
| Supervise By | MOHAN | Supervise On | 7/18/2025 9:42:17 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86192,MP86193,MP86194,MP86195,MP86196,MP86212 |
| ICV Standard | MP86219 |
| CCV Standard | MP86216 |
| ICSA Standard | MP86214,MP86220 |
| CRI Standard | MP86212 |
| LCS Standard | |
| Chk Standard | MP86217,MP86218 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 38 | PB168705TB | PB168705TB | MB | 07/10/25 22:07 | | Janvi | OK |
| 39 | CCV03 | CCV03 | CCV | 07/10/25 22:32 | | Janvi | OK |
| 40 | CCB03 | CCB03 | CCB | 07/10/25 22:36 | | Janvi | OK |
| 41 | Q2477-01 | 50728 | SAM | 07/10/25 22:41 | confirm wt/vol | Janvi | OK |
| 42 | Q2477-01DUP | 50728DUP | DUP | 07/10/25 22:45 | | Janvi | OK |
| 43 | Q2477-01L | 50728L | SD | 07/10/25 22:49 | | Janvi | OK |
| 44 | Q2477-01MS | 50728MS | MS | 07/10/25 22:54 | | Janvi | OK |
| 45 | Q2477-01MSD | 50728MSD | MSD | 07/10/25 22:58 | | Janvi | OK |
| 46 | Q2477-01A | 50728A | PS | 07/10/25 23:02 | 0.1ml of M6004,M6013 in 10ml sample. | Janvi | OK |
| 47 | Q2473-07 | PIT#3 | SAM | 07/10/25 23:07 | | Janvi | OK |
| 48 | Q2473-08 | PIT#4 | SAM | 07/10/25 23:11 | | Janvi | OK |
| 49 | PB168748BL | PB168748BL | MB | 07/10/25 23:16 | | Janvi | OK |
| 50 | PB168748BS | PB168748BS | LCS | 07/10/25 23:20 | | Janvi | OK |
| 51 | CCV04 | CCV04 | CCV | 07/10/25 23:29 | | Janvi | OK |
| 52 | CCB04 | CCB04 | CCB | 07/10/25 23:53 | | Janvi | OK |
| 53 | Q2512-01DL | WATER TREATMENT | SAM | 07/10/25 23:57 | 5x for K | Janvi | Confirms |
| 54 | Q2512-01DUPDL | WATER TREATMENT | DUP | 07/11/25 00:02 | 5x for K | Janvi | Confirms |
| 55 | Q2512-01LDL | WATER TREATMENT | SD | 07/11/25 00:07 | | Janvi | OK |
| 56 | Q2512-01MSDL | WATER TREATMENT | MS | 07/11/25 00:11 | 5x for K | Janvi | Confirms |

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**Instrument ID:** P5

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136434

| | | | |
|---|---|---|---|
| Review By | jaswal | Review On | 7/12/2025 3:14:54 AM |
| Supervise By | MOHAN | Supervise On | 7/18/2025 9:42:17 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86192,MP86193,MP86194,MP86195,MP86196,MP86212 |
| ICV Standard | MP86219 |
| CCV Standard | MP86216 |
| ICSA Standard | MP86214,MP86220 |
| CRI Standard | MP86212 |
| LCS Standard | |
| Chk Standard | MP86217,MP86218 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 57 | Q2512-01MSDDL | WATER TREATMENT | MSD | 07/11/25 00:16 | 5x for K | Janvi | Confirms |
| 58 | Q2512-01ADL | WATER TREATMENT | PS | 07/11/25 00:20 | 5x for K | Janvi | Confirms |
| 59 | PB168712BL | PB168712BL | MB | 07/11/25 00:25 | | Janvi | OK |
| 60 | PB168712BS | PB168712BS | LCS | 07/11/25 00:30 | | Janvi | OK |
| 61 | PB168740BL | PB168740BL | MB | 07/11/25 00:34 | | Janvi | OK |
| 62 | PB168740BS | PB168740BS | LCS | 07/11/25 00:38 | | Janvi | OK |
| 63 | CCV05 | CCV05 | CCV | 07/11/25 00:47 | | Janvi | OK |
| 64 | CCB05 | CCB05 | CCB | 07/11/25 00:51 | | Janvi | OK |
| 65 | PB168739BL | PB168739BL | MB | 07/11/25 00:56 | | Janvi | OK |
| 66 | PB168739BS | PB168739BS | LCS | 07/11/25 01:00 | | Janvi | OK |
| 67 | Q2481-01DL | CC0627-ALDL | SAM | 07/11/25 01:04 | Straight 10x for All elements | Janvi | OK |
| 68 | Q2481-01DUPDL | CC0627-ALDUPDL | DUP | 07/11/25 01:09 | Straight 10x for All elements | Janvi | OK |
| 69 | Q2481-01LDL | CC0627-ALLDL | SD | 07/11/25 01:14 | Straight 50x for All elements | Janvi | OK |
| 70 | Q2481-01MSDL | CC0627-ALMSDL | MS | 07/11/25 01:19 | Straight 10x for All elements | Janvi | OK |
| 71 | Q2481-01MSDDL | CC0627-ALMSDDL | MSD | 07/11/25 01:24 | Straight 10x for All elements | Janvi | OK |
| 72 | Q2481-01ADL | CC0627-ALADL | PS | 07/11/25 01:29 | Straight 10x for All elements, (0.1 ML of M6004,M6013 in 10 ml sample before dilution) | Janvi | OK |
| 73 | Q2481-02DL | CC0627-CLOXPLDL | SAM | 07/11/25 01:34 | Straight 10x for All elements | Janvi | OK |

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**Instrument ID:** P5

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136434

| | | | |
|---|---|---|---|
| Review By | jaswal | Review On | 7/12/2025 3:14:54 AM |
| Supervise By | MOHAN | Supervise On | 7/18/2025 9:42:17 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86192,MP86193,MP86194,MP86195,MP86196,MP86212 |
| ICV Standard | MP86219 |
| CCV Standard | MP86216 |
| ICSA Standard | MP86214,MP86220 |
| CRI Standard | MP86212 |
| LCS Standard | |
| Chk Standard | MP86217,MP86218 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 74 | Q2481-03DL | CC0625-OXBLDL | SAM | 07/11/25 01:39 | Straight 10x for All elements | Janvi | OK |
| 75 | CCV06 | CCV06 | CCV | 07/11/25 01:47 | | Janvi | OK |
| 76 | CCB06 | CCB06 | CCB | 07/11/25 02:23 | | Janvi | OK |
| 77 | Q2481-04DL | CC0627-AOXLDL | SAM | 07/11/25 02:27 | Straight 5x for All elements | Janvi | OK |
| 78 | Q2481-05DL | CC0625-NLDL | SAM | 07/11/25 02:32 | Straight 5x for All elements | Janvi | OK |
| 79 | Q2481-06DL | CC0267-OXPLDL | SAM | 07/11/25 02:36 | Straight 5x for All elements | Janvi | OK |
| 80 | Q2481-07DL | CC0627-OXLDL | SAM | 07/11/25 02:41 | Straight 5x for All elements | Janvi | OK |
| 81 | Q2481-08 | CC0627-CLOXAL | SAM | 07/11/25 02:45 | | Janvi | OK |
| 82 | Q2481-09DL | CC0627-BLDL | SAM | 07/11/25 02:50 | Straight 10x for All elements | Janvi | OK |
| 83 | Q2481-10DL | CC0627-SFBLDL | SAM | 07/11/25 02:55 | Straight 5x for All elements | Janvi | OK |
| 84 | Q2481-03DL2 | CC0625-OXBLDL2 | SAM | 07/11/25 02:59 | NOT USE | Janvi | Not Ok |
| 85 | Q2487-11DL | G3(0-6)DL | SAM | 07/11/25 03:04 | 5x for Zn, Still Zn high | Janvi | Dilution |
| 86 | Q2487-16DL | G1(6-12)DL | SAM | 07/11/25 03:08 | 5x for Zn, Still Zn high | Janvi | Dilution |
| 87 | CCV07 | CCV07 | CCV | 07/11/25 03:17 | | Janvi | OK |
| 88 | CCB07 | CCB07 | CCB | 07/11/25 03:26 | | Janvi | OK |
| 89 | Q2487-14DL | G2(6-12)DL | SAM | 07/11/25 03:30 | 5x for Zn, Still Zn high | Janvi | Confirms |
| 90 | Q2520-21 | A-21 | SAM | 07/11/25 03:34 | | Janvi | OK |
| 91 | Q2520-22 | A-22 | SAM | 07/11/25 03:39 | | Janvi | OK |
| 92 | Q2520-23 | A-23 | SAM | 07/11/25 03:43 | | Janvi | OK |

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**Instrument ID:** P5

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136434

| | | | |
|---|---|---|---|
| Review By | jaswal | Review On | 7/12/2025 3:14:54 AM |
| Supervise By | MOHAN | Supervise On | 7/18/2025 9:42:17 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86192,MP86193,MP86194,MP86195,MP86196,MP86212 |
| ICV Standard | MP86219 |
| CCV Standard | MP86216 |
| ICSA Standard | MP86214,MP86220 |
| CRI Standard | MP86212 |
| LCS Standard | |
| Chk Standard | MP86217,MP86218 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 93 | PB168771BL | PB168771BL | MB | 07/11/25 03:48 | | Janvi | OK |
| 94 | PB168771BS | PB168771BS | LCS | 07/11/25 03:52 | | Janvi | OK |
| 95 | Q2520-01 | A-1 | SAM | 07/11/25 03:56 | | Janvi | OK |
| 96 | Q2520-02 | A-2 | SAM | 07/11/25 04:01 | | Janvi | OK |
| 97 | Q2520-03 | A-3 | SAM | 07/11/25 04:05 | | Janvi | OK |
| 98 | Q2520-24RE | A-24RE | SAM | 07/11/25 04:10 | Not Use | Janvi | Not Ok |
| 99 | CCV08 | CCV08 | CCV | 07/11/25 04:18 | | Janvi | OK |
| 100 | CCB08 | CCB08 | CCB | 07/11/25 04:27 | CCB fail for Ag | Janvi | OK |
| 101 | Q2520-05 | A-5 | SAM | 07/11/25 04:31 | | Janvi | OK |
| 102 | Q2520-06 | A-6 | SAM | 07/11/25 04:36 | Bad injection | Janvi | Not Ok |
| 103 | Q2520-07 | A-7 | SAM | 07/11/25 04:40 | | Janvi | OK |
| 104 | Q2520-08 | A-8 | SAM | 07/11/25 04:44 | | Janvi | OK |
| 105 | Q2520-09 | A-9 | SAM | 07/11/25 04:49 | | Janvi | OK |
| 106 | Q2520-10 | A-10 | SAM | 07/11/25 04:53 | | Janvi | OK |
| 107 | Q2520-11 | A-11 | SAM | 07/11/25 04:58 | | Janvi | OK |
| 108 | Q2520-12 | A-12 | SAM | 07/11/25 05:02 | | Janvi | OK |
| 109 | Q2520-13 | A-13 | SAM | 07/11/25 05:06 | | Janvi | OK |
| 110 | Q2520-14 | A-14 | SAM | 07/11/25 05:11 | | Janvi | OK |
| 111 | CCV09 | CCV09 | CCV | 07/11/25 05:19 | | Janvi | OK |
| 112 | CCB09 | CCB09 | CCB | 07/11/25 05:24 | | Janvi | OK |

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**Instrument ID:** P5

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136434

| | | | |
|---|---|---|---|
| Review By | jaswal | Review On | 7/12/2025 3:14:54 AM |
| Supervise By | MOHAN | Supervise On | 7/18/2025 9:42:17 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86192,MP86193,MP86194,MP86195,MP86196,MP86212 |
| ICV Standard | MP86219 |
| CCV Standard | MP86216 |
| ICSA Standard | MP86214,MP86220 |
| CRI Standard | MP86212 |
| LCS Standard | |
| Chk Standard | MP86217,MP86218 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 113 | Q2520-15 | A-15 | SAM | 07/11/25 05:33 | | Janvi | OK |
| 114 | Q2520-16 | A-16 | SAM | 07/11/25 05:37 | | Janvi | OK |
| 115 | Q2520-17 | A-17 | SAM | 07/11/25 05:41 | | Janvi | OK |
| 116 | Q2520-18 | A-18 | SAM | 07/11/25 05:46 | | Janvi | OK |
| 117 | Q2520-19 | A-19 | SAM | 07/11/25 05:50 | | Janvi | OK |
| 118 | Q2520-20 | A-20 | SAM | 07/11/25 05:55 | | Janvi | OK |
| 119 | Q2520-20DUP | A-20DUP | DUP | 07/11/25 05:59 | | Janvi | OK |
| 120 | Q2520-20L | A-20L | SD | 07/11/25 06:03 | | Janvi | OK |
| 121 | Q2520-20MS | A-20MS | MS | 07/11/25 06:08 | | Janvi | OK |
| 122 | CCV10 | CCV10 | CCV | 07/11/25 06:16 | | Janvi | OK |
| 123 | CCB10 | CCB10 | CCB | 07/11/25 06:21 | | Janvi | OK |
| 124 | Q2520-20MSD | A-20MSD | MSD | 07/11/25 06:30 | | Janvi | OK |
| 125 | Q2520-20A | A-20A | PS | 07/11/25 06:34 | 0.1ml of M6004,M6013 in 10ml sample. | Janvi | OK |
| 126 | CCV11 | CCV11 | CCV | 07/11/25 06:43 | | Janvi | OK |
| 127 | CCB11 | CCB11 | CCB | 07/11/25 06:47 | | Janvi | OK |

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**Instrument ID:** P5

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136534

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 7/18/2025 9:36:01 AM |
| Supervise By | MOHAN | Supervise On | 7/18/2025 9:42:49 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86192,MP86193,MP86194,MP86195,MP86196,MP86212 |
| ICV Standard | MP86219 |
| CCV Standard | MP86216 |
| ICSA Standard | MP86214,MP86220 |
| CRI Standard | MP86212 |
| LCS Standard | |
| Chk Standard | MP86217,MP86218 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | S0 | S0 | CAL1 | 07/17/25 13:23 | | Janvi | OK |
| 2 | S1 | S1 | CAL2 | 07/17/25 13:28 | | Janvi | OK |
| 3 | S2 | S2 | CAL3 | 07/17/25 13:33 | | Janvi | OK |
| 4 | S3 | S3 | CAL4 | 07/17/25 13:38 | | Janvi | OK |
| 5 | S4 | S4 | CAL5 | 07/17/25 13:43 | | Janvi | OK |
| 6 | S5 | S5 | CAL6 | 07/17/25 13:48 | | Janvi | OK |
| 7 | ICV01 | ICV01 | ICV | 07/17/25 14:14 | | Janvi | OK |
| 8 | LLICV01 | LLICV01 | LLICV | 07/17/25 14:24 | | Janvi | OK |
| 9 | ICB01 | ICB01 | ICB | 07/17/25 14:29 | | Janvi | OK |
| 10 | CRI01 | CRI01 | CRDL | 07/17/25 14:39 | | Janvi | OK |
| 11 | ICSA01 | ICSA01 | ICSA | 07/17/25 14:46 | | Janvi | OK |
| 12 | ICSAB01 | ICSAB01 | ICSAB | 07/17/25 14:51 | | Janvi | OK |
| 13 | CCV01 | CCV01 | CCV | 07/17/25 14:56 | | Janvi | OK |
| 14 | CCB01 | CCB01 | CCB | 07/17/25 15:01 | | Janvi | OK |
| 15 | Q2515-01 | WC-1 | SAM | 07/17/25 15:09 | | Janvi | OK |
| 16 | Q2515-01DUP | WC-1DUP | DUP | 07/17/25 15:14 | | Janvi | OK |
| 17 | Q2515-01LRE | WC-1L | SD | 07/17/25 15:19 | NOT USE | Janvi | Not Ok |
| 18 | Q2515-01MS | WC-1MS | MS | 07/17/25 15:24 | | Janvi | OK |

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**Instrument ID:** P5

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136534

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 7/18/2025 9:36:01 AM |
| Supervise By | MOHAN | Supervise On | 7/18/2025 9:42:49 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86192,MP86193,MP86194,MP86195,MP86196,MP86212 |
| ICV Standard | MP86219 |
| CCV Standard | MP86216 |
| ICSA Standard | MP86214,MP86220 |
| CRI Standard | MP86212 |
| LCS Standard | |
| Chk Standard | MP86217,MP86218 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q2515-01MSD | WC-1MSD | MSD | 07/17/25 15:29 | | Janvi | OK |
| 20 | Q2515-01A | WC-1A | PS | 07/17/25 15:34 | | Janvi | OK |
| 21 | Q2515-01L | WC-1L | SD | 07/17/25 15:39 | 0.1ml of M6004,M6013 in 10ml sample. | Janvi | OK |
| 22 | CCV02 | CCV02 | CCV | 07/17/25 15:44 | | Janvi | OK |
| 23 | CCB02 | CCB02 | CCB | 07/17/25 15:49 | | Janvi | OK |
| 24 | Q2565-01 | MOO-25-0192-0193 | SAM | 07/17/25 16:27 | K Oversaturated | Janvi | Dilution |
| 25 | Q2598-01 | OK-01-071425 | SAM | 07/17/25 16:32 | | Janvi | OK |
| 26 | Q2600-01 | TRENCH | SAM | 07/17/25 16:37 | | Janvi | OK |
| 27 | Q2600-05 | STOCK-PILE | SAM | 07/17/25 16:42 | | Janvi | OK |
| 28 | Q2600-09 | END-OF-TRENCH | SAM | 07/17/25 16:47 | | Janvi | OK |
| 29 | Q2602-01 | FRAC-TANK-266380 | SAM | 07/17/25 16:52 | | Janvi | OK |
| 30 | Q2602-01DUP | FRAC-TANK-266380D | DUP | 07/17/25 16:57 | | Janvi | OK |
| 31 | Q2602-01L | FRAC-TANK-266380L | SD | 07/17/25 17:02 | | Janvi | OK |
| 32 | Q2602-01MS | FRAC-TANK-266380M | MS | 07/17/25 17:08 | | Janvi | OK |
| 33 | Q2602-01MSD | FRAC-TANK-266380M | MSD | 07/17/25 17:13 | | Janvi | OK |
| 34 | CCV03 | CCV03 | CCV | 07/17/25 17:18 | | Janvi | OK |
| 35 | CCB03 | CCB03 | CCB | 07/17/25 17:36 | | Janvi | OK |
| 36 | Q2602-01A | FRAC-TANK-266380A | PS | 07/17/25 17:41 | 0.1ml of M6004,M6013 in 10ml sample. | Janvi | OK |
| 37 | Q2586-01 | TP-16 | SAM | 07/17/25 17:46 | | Janvi | OK |

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**Instrument ID:** P5

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136534

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 7/18/2025 9:36:01 AM |
| Supervise By | MOHAN | Supervise On | 7/18/2025 9:42:49 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86192,MP86193,MP86194,MP86195,MP86196,MP86212 |
| ICV Standard | MP86219 |
| CCV Standard | MP86216 |
| ICSA Standard | MP86214,MP86220 |
| CRI Standard | MP86212 |
| LCS Standard | |
| Chk Standard | MP86217,MP86218 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 38 | Q2589-01 | AU-06-071125 | SAM | 07/17/25 17:51 | | Janvi | OK |
| 39 | Q2590-01RE | NB-07-071125RE | SAM | 07/17/25 18:01 | NOT USE | Janvi | Not Ok |
| 40 | Q2592-01 | WC-SOIL-20250711 | SAM | 07/17/25 18:06 | | Janvi | OK |
| 41 | Q2565-01DL | MOO-25-0192-0193D | SAM | 07/17/25 18:12 | NOT USE | Janvi | Not Ok |
| 42 | Q2565-01DL2 | MOO-25-0192-0193D | SAM | 07/17/25 18:19 | NOT USE | Janvi | Not Ok |
| 43 | Q2565-01DL3 | MOO-25-0192-0193D | SAM | 07/17/25 18:29 | NOT USE | Janvi | Not Ok |
| 44 | Q2565-01DL4 | MOO-25-0192-0193D | SAM | 07/17/25 18:35 | 40x for K | Janvi | Confirms |
| 45 | Q2590-01A | NB-07-071125A | PS | 07/17/25 18:40 | 0.1ml of M6004,M6013 in 10ml sample. | Janvi | OK |
| 46 | CCV04 | CCV04 | CCV | 07/17/25 18:45 | | Janvi | OK |
| 47 | CCB04 | CCB04 | CCB | 07/17/25 18:50 | | Janvi | OK |
| 48 | PB168846BL | PB168846BL | MB | 07/17/25 18:58 | | Janvi | OK |
| 49 | PB168846BS | PB168846BS | LCS | 07/17/25 19:16 | | Janvi | OK |
| 50 | PB168859BS | PB168859BS | LCS | 07/17/25 19:25 | | Janvi | OK |
| 51 | PB168859BL | PB168859BL | MB | 07/17/25 19:30 | | Janvi | OK |
| 52 | Q2590-01 | NB-07-071125 | SAM | 07/17/25 19:35 | | Janvi | OK |
| 53 | Q2590-01DUP | NB-07-071125DUP | DUP | 07/17/25 19:41 | | Janvi | OK |
| 54 | Q2590-01MS | NB-07-071125MS | MS | 07/17/25 19:51 | | Janvi | OK |
| 55 | Q2590-01MSD | NB-07-071125MSD | MSD | 07/17/25 19:56 | | Janvi | OK |
| 56 | Q2590-01L | NB-07-071125L | SD | 07/17/25 20:01 | | Janvi | OK |

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**Instrument ID:** P5

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136534

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 7/18/2025 9:36:01 AM |
| Supervise By | MOHAN | Supervise On | 7/18/2025 9:42:49 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86192,MP86193,MP86194,MP86195,MP86196,MP86212 |
| ICV Standard | MP86219 |
| CCV Standard | MP86216 |
| ICSA Standard | MP86214,MP86220 |
| CRI Standard | MP86212 |
| LCS Standard | |
| Chk Standard | MP86217,MP86218 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 57 | Q2557-02 | OILY WATER | SAM | 07/17/25 20:06 | MS/MSD fail for more than 50% parameters | Janvi | OK |
| 58 | CCV05 | CCV05 | CCV | 07/17/25 20:11 | | Janvi | OK |
| 59 | CCB05 | CCB05 | CCB | 07/17/25 20:16 | | Janvi | OK |
| 60 | Q2557-02DUP | OILY WATERDUP | DUP | 07/17/25 20:21 | MS/MSD fail for more than 50% parameters | Janvi | OK |
| 61 | Q2557-02L | OILY WATERL | SD | 07/17/25 20:26 | MS/MSD fail for more than 50% parameters | Janvi | OK |
| 62 | Q2557-02MS | OILY WATERMS | MS | 07/17/25 20:31 | MS/MSD fail for more than 50% parameters | Janvi | OK |
| 63 | Q2557-02MSD | OILY WATERMSD | MSD | 07/17/25 20:36 | MS/MSD fail for more than 50% parameters | Janvi | OK |
| 64 | Q2557-02A | OILY WATERA | PS | 07/17/25 20:41 | MS/MSD fail for more than 50% parameters | Janvi | OK |
| 65 | CCV06 | CCV06 | CCV | 07/17/25 20:46 | | Janvi | OK |
| 66 | CCB06 | CCB06 | CCB | 07/17/25 20:51 | | Janvi | OK |

Alliance TECHNICAL GROUP

**Water Metals Preparation Sheet**

PB168739

**SOP ID :** M3010A-Digestion-17

**SDG No :** N/A

**Matrix :** WATER

**Pippete ID:** ICP A

**Balance ID :** N/A

**Filter paper ID :** N/A

**pH Strip ID :** M6069

**Hood ID :** #3

**Block ID:** 1. HOT BLOCK #2 2. N/A

**Start Digest Date:** 07/07/2025 **Time :** 10:15 **Temp :** 96 °C

**End Digest Date:** 07/07/2025 **Time :** 13:20 **Temp :** 96 °C

**Digestion tube ID:** M5595

**Block thermometer ID:** MET-DIG. #1

**Dig Technician Signature:** SPB.

**Supervisor Signature:** JPP

**Temp :** 1. 96°C 2. N/A

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| LFS-1 | 0.25 | M6007 |
| LFS-2 | 0.25 | M6015 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| CONC: HNO3 | 3.00 | M6158 |
| 1:1 HCL | 5.00 | MP85156 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

**Extraction Conformance/Non-Conformance Comments:**

HOT BLOCK#1 CELL#50 96 C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 07/07/25 14:20 | SPB.met dig | JPP /Met lab |
| | Preparation Group | Analysis Group |

Alliance TECHNICAL GROUP

**Water Metals Preparation Sheet**

**PB168739**

| Lab Sample ID | Client Sample ID | pH | Initial Vol (ml) | Final Vol (ml) | Color Before | Color After | Clarity Before | Clarity After | Comment | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| PB168739BL | PBW739 | <2 | 50 | 25 | Colorless | Colorless | Clear | Clear | N/A | 1 |
| PB168739BS | LCS739 | <2 | 50 | 25 | Colorless | Colorless | Clear | Clear | M6005,M6016 | 2 |
| Q2488-01 | RW8-SP100-20250701 | <2 | 50 | 25 | Colorless | Colorless | Clear | Clear | N/A | 3 |
| Q2488-02 | RW8-SP303-20250701 | <2 | 50 | 25 | Colorless | Colorless | Clear | Clear | N/A | 4 |
| Q2503-01 | GCAP2W | <2 | 50 | 25 | Brown | Colorless | Cloudy | Clear | N/A | 5 |
| Q2509-01 | AUD-25-0110-0111 | <2 | 50 | 25 | Brown | Colorless | Cloudy | Clear | N/A | 6 |
| Q2512-01 | WATER-TREATMENT DISCHARGE | <2 | 50 | 25 | Colorless | Colorless | Clear | Clear | N/A | 7 |
| Q2512-01MS | WATER-TREATMENT DISCHARGEMS | <2 | 50 | 25 | Colorless | Colorless | Clear | Clear | M6005,M6016 | 9 |
| Q2512-01MSD | WATER-TREATMENT DISCHARGEMSD | <2 | 50 | 25 | Colorless | Colorless | Clear | Clear | M6005,M6016 | 10 |
| Q2512-01DUP | WATER-TREATMENT DISCHARGEDUP | <2 | 50 | 25 | Colorless | Colorless | Clear | Clear | N/A | 8 |

Alliance TECHNICAL GROUP

**Soil/Sludge Metals Preparation Sheet**

PB168740

**SOP ID :** M3050B-Digestion-20

**SDG No :** N/A

**Matrix :** SOIL

**Pippete ID:** ICP A

**Balance ID :** M SC-2

**Filter paper ID :** N/A

**pH Strip ID :** N/A

**Hood ID :** #3

**Block ID:** 1. HOT BLOCK #3 2. N/A

**Start Digest Date:** 07/07/2025 **Time :** 10:05 **Temp :** 96 °C

**End Digest Date:** 07/07/2025 **Time :** 12:15 **Temp :** 96 °C

**Digestion tube ID:** M6054

**Block thermometer ID:** MET-DIG. #3

**Dig Technician Signature:** SKG.

**Supervisor Signature:** JPP

**Temp :** 1. 96°C 2. N/A

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| LFS-1 | 1.00 | M6007 |
| LFS-2 | 1.00 | M6015 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| Conc. HNO3 | 5.00 | M6158 |
| 1:1 HNO3 | 10.00 | MP84041 |
| 30% H2O2 | 3.00 | 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 #3 CELL#35 96 C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 07/07/25 13:15 | SKG. met. dig | JPP / Met lab |
| | Preparation Group | Analysis Group |

Alliance TECHNICAL GROUP

**Soil/Sludge Metals Preparation Sheet**

**PB168740**

| Lab Sample ID | Client Sample ID | pH | Initial Weight (g) | Final Vol (ml) | Color Before | Color After | Texture | Artifact | Comment | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| PB168740BL | PBS740 | N/A | 2.00 | 100 | Colorless | Colorless | Fine | N/A | N/A | 1 |
| PB168740BS | LCS740 | N/A | 2.00 | 100 | Colorless | Colorless | Fine | N/A | M6005,M6016 | 2 |
| Q2503-05 | GCAP2A | N/A | 2.30 | 100 | Brown | Yellow | Medium | N/A | N/A | 3 |
| Q2507-01 | SU-04-7.3-2025 | N/A | 2.25 | 100 | Brown | Yellow | Medium | N/A | N/A | 4 |
| Q2513-01 | HR-2-070325 | N/A | 2.28 | 100 | Brown | Yellow | Medium | N/A | N/A | 5 |
| Q2513-03 | HR-3-070325 | N/A | 2.39 | 100 | Brown | Yellow | Medium | N/A | N/A | 6 |
| Q2514-01 | TP-92 | N/A | 2.29 | 100 | Brown | Yellow | Medium | N/A | N/A | 7 |
| Q2514-02 | TP-93 | N/A | 2.27 | 100 | Brown | Yellow | Medium | N/A | N/A | 8 |
| Q2514-03 | TP-94 | N/A | 2.37 | 100 | Brown | Yellow | Medium | N/A | N/A | 9 |
| Q2514-04 | TP-96 | N/A | 2.36 | 100 | Brown | Yellow | Medium | N/A | N/A | 10 |
| Q2514-05 | TP-97 | N/A | 2.45 | 100 | Brown | Yellow | Medium | N/A | N/A | 11 |
| Q2514-06 | TP-103 | N/A | 2.18 | 100 | Brown | Yellow | Medium | N/A | N/A | 12 |
| Q2514-07 | TP-36 | N/A | 2.37 | 100 | Brown | Yellow | Medium | N/A | N/A | 13 |
| Q2514-08 | TP-78 | N/A | 2.42 | 100 | Brown | Yellow | Medium | N/A | N/A | 14 |
| Q2514-09 | TP-81 | N/A | 2.17 | 100 | Brown | Yellow | Medium | N/A | N/A | 15 |
| Q2514-10 | TP-90 | N/A | 2.21 | 100 | Brown | Yellow | Medium | N/A | N/A | 16 |
| Q2515-01 | WC-1 | N/A | 2.28 | 100 | Brown | Yellow | Medium | N/A | N/A | 17 |
| Q2515-01MS | WC-1MS | N/A | 2.22 | 100 | Brown | Yellow | Medium | N/A | M6005,M6016 | 19 |
| Q2515-01MSD | WC-1MSD | N/A | 2.15 | 100 | Brown | Yellow | Medium | N/A | M6005,M6016 | 20 |
| Q2515-01DUP | WC-1DUP | N/A | 2.39 | 100 | Brown | Yellow | Medium | N/A | N/A | 18 |

Alliance TECHNICAL GROUP

**Soil/Sludge Mercury Preparation Sheet**

PB168743

**SOP ID :** M7471B-Mercury-18

**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:** 07/07/2025 **Time :** 08:30 **Temp :** 94 °C

**End Digest Date:** 07/07/2025 **Time :** 09:05 **Temp :** 94 °C

**Digestion tube ID:** M5595

**Block thermometer ID:** HG-DIG#3

**Dig Technician Signature:**

**Supervisor Signature:**

**Temp :** 1. 94°C 2. N/A

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| ICV | 30mL | MP86294 |
| CCV | 30mL | MP86296 |
| CRA | 30mL | MP86298 |
| Blank Spike | 0.48mL | MP86287 |
| Matrix Spike | 0.48mL | MP86287 |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| AQUA REGIA | 1.5mL | MP86300 |
| KMnO4 (5%) | 4.5mL | MP85893 |
| Hydroxylamine HCL (12%) | 2.0mL | MP85894 |
| PTFE Boiling Stones | ---------- | M5582 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

| LAB SAMPLE ID | CLIENT SAMPLE ID | Wt(g)/Vol(ml) | Comment |
|---|---|---|---|
| 0.0 ppb | S0 | 30mL | MP86288 |
| 0.05 ppb | S0.05 | N/A | N/A |
| 0.2 ppb | S0.2 | 30mL | MP86289 |
| 2.5 ppb | S2.5 | 30mL | MP86290 |
| 5.0 ppb | S5.0 | 30mL | MP86291 |
| 7.5 ppb | S7.5 | 30mL | MP86292 |
| 10.0 ppb | S10.0 | 30mL | MP86293 |
| ICV | ICV | 30mL | MP86294 |
| ICB | ICB | 30mL | MP86295 |
| CCV | CCV | 30mL | MP86296 |
| CCB | CCB | 30mL | MP86297 |
| CRI | CRI | 30mL | MP86298 |
| CHK STD | CHK STD | 30mL | MP86299 |

**Extraction Conformance/Non-Conformance Comments:**

N/A

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 7/7/2025 9:35 | | |
| | Preparation Group | Analysis Group |

Alliance TECHNICAL GROUP

## Soil/Sludge Mercury Preparation Sheet

## PB168743

| Lab Sample ID | Client Sample ID | Initial Weight (g) | Final Vol (ml) | pH | Comment | Prep Pos |
|---|---|---|---|---|---|---|
| PB168743BL | PBS743 | 0.55 | 35 | NA | N/A | 3-1 |
| PB168743BS | LCS743 | 0.53 | 35 | NA | MP86287 | 2 |
| Q2491-01DUP | EO-1-070225DUP | 0.55 | 35 | NA | N/A | 4 |
| Q2491-01MS | EO-1-070225MS | 0.54 | 35 | NA | MP86287 | 5 |
| Q2491-01MSD | EO-1-070225MSD | 0.55 | 35 | NA | MP86287 | 6 |
| Q2491-01 | EO-1-070225 | 0.58 | 35 | NA | N/A | 3 |
| Q2493-01 | WC-11 | 0.58 | 35 | NA | N/A | 7 |
| Q2503-05 | GCAP2A | 0.56 | 35 | NA | N/A | 8 |
| Q2507-01 | SU-04-7.3-2025 | 0.55 | 35 | NA | N/A | 9 |
| Q2513-01 | HR-2-070325 | 0.50 | 35 | NA | N/A | 10 |
| Q2513-03 | HR-3-070325 | 0.52 | 35 | NA | N/A | 11 |
| Q2515-01 | WC-1 | 0.60 | 35 | NA | N/A | 12 |

Alliance TECHNICAL GROUP

# Water Mercury Preparation Sheet

PB168766

**SOP ID :** M7470A-Mercury-20

**SDG No :** NA

**Matrix :** WATER

**Pippete ID:** HG A

**Balance ID :** N/A

**Filter paper ID :** NA

**pH Strip ID :** M6069

**Hood ID :** #1

**Block ID:** 1. HG HOT BLOCK#3 2. N/A

**Start Digest Date:** 07/08/2025 **Time :** 08:10 **Temp :** 94 °C

**End Digest Date:** 07/08/2025 **Time :** 10:10 **Temp :** 94 °C

**Digestion tube ID:** M5595

**Block thermometer ID:** HG-DIG#3

**Dig Technician Signature:** MB

**Supervisor Signature:**

**Temp :** 1. 94°C 2. N/A

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| ICV | 30mL | MP86312 |
| CCV | 30mL | MP86314 |
| CRA | 30mL | MP86316 |
| Blank Spike | 0.48mL | MP86305 |
| Matrix Spike | 0.48mL | MP86305 |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| HNO3/H2SO4(1:2) | 2.25mL | MP85892 |
| KMnO4 (5%) | 4.5mL | MP85893 |
| K2S2O8 (5%) | 2.4mL | MP85894 |
| Hydroxylamine HCL (12%) | 1.8mL | MP85895 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| 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 | MP86306 |
| 0.05 ppb | S0.05 | N/A | N/A |
| 0.2 ppb | S0.2 | 30mL | MP86307 |
| 2.5 ppb | S2.5 | 30mL | MP86308 |
| 5.0 ppb | S5.0 | 30mL | MP86309 |
| 7.5 ppb | S7.5 | 30mL | MP86310 |
| 10.0 ppb | S10.0 | 30mL | MP86311 |
| ICV | ICV | 30mL | MP86312 |
| ICB | ICB | 30mL | MP86313 |
| CCV | CCV | 30mL | MP86314 |
| CCB | CCB | 30mL | MP86315 |
| CRI | CRI | 30mL | MP86316 |
| CHK STD | CHK STD | 30mL | MP86317 |

**Extraction Conformance/Non-Conformance Comments:**

N/A

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 7/8/25 @ 10:40 | MB - DIG | MB - Mercury Lab |
| | Preparation Group | Analysis Group |

Alliance TECHNICAL GROUP

## Water Mercury Preparation Sheet

**PB168766**

| Lab Sample ID | Client Sample ID | Initial Vol (ml) | Final Vol (ml) | pH | Comment | Prep Pos |
|---|---|---|---|---|---|---|
| PB168766BL | PBW766 | 30 | 30 | <2 | N/A | 3-15 |
| PB168766BS | LCS766 | 30 | 30 | <2 | MP86305 | 16 |
| Q2503-01 | GCAP2W | 30 | 30 | <2 | N/A | 17 |
| Q2509-01 | AUD-25-0110-0111 | 30 | 30 | <2 | N/A | 18 |
| Q2509-01DUP | AUD-25-0110-0111DUP | 30 | 30 | <2 | N/A | 19 |
| Q2509-01MS | AUD-25-0110-0111MS | 30 | 30 | <2 | MP86305 | 20 |
| Q2509-01MSD | AUD-25-0110-0111MSD | 30 | 30 | <2 | MP86305 | 21 |

# SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2503
COC Number 2047511

8
8.1

**CLIENT INFORMATION** (REPORT TO BE SENT TO:)

COMPANY: GECP INC
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP:
ATTENTION:
PHONE: FAX:

**CLIENT PROJECT INFORMATION**

PROJECT NAME: CAPRA
PROJECT NO.: LOCATION:
PROJECT MANAGER: GL
e-mail:
PHONE: FAX:

**CLIENT BILLING INFORMATION**

BILL TO: GECP INC PO#:
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP:
ATTENTION: PHONE:

**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 + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other
X EDD FORMAT hazsite NJDEP SRP excel pdf

**ANALYSIS**

1: TCL VOA's
2: TCL VOA's
3: GW TAL metals
4: TAL metals
5:
6: EPH Cat 2
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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | HCl | Refrig | Ice | | | | | | |
| 1. | GCAP2 | Soil | | X | 7/2/25 | 1602 | 4 | X | | | | | X | | | |
| 2. | GCAP3 | Soil | | | | 1645 | 4 | X | | | | | X | | | |
| 3. | GCAP2W | GW | | | | 1800 | 3 | * | X | X | | | | | | |
| 4. | GCAP3W | GW | | X | 7/2/25 | 1830 | 2 | * | X | | | | | | | |
| 5. | GCAP2A | Soil | | X | 7/2/25 | 1730 | 1 | | | | X | | | | | |
| 6. | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | |

**COMMENTS**

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

**SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY**

| RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY: |
|---|---|---|
| 1. | 7/3/25 1055 | 1. |
| 2. | | 2. |
| 3. | | 3. |

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.3 °C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# Laboratory Certification

| Certified By | License No. |
|---|---|
| | |
| CAS EPA CLP Contract | 68HERH20D0011 |
| | |
| Connecticut | PH-0830 |
| | |
| DOD ELAP (ANAB) | L2219 |
| | |
| Maine | 2024021 |
| | |
| Maryland | 296 |
| | |
| New Hampshire | 255424 Rev 1 |
| | |
| New Jersey | 20012 |
| | |
| New York | 11376 |
| | |
| Pennsylvania | 68-00548 |
| | |
| Soil Permit | 525-24-234-08441 |
| | |
| Texas | T104704488 |

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

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** Q2503 GENV01
**Client Name :** G Environmental
**Client Contact :** Gary Landis
**Invoice Name :** G Environmental
**Invoice Contact :** Gary Landis

**Order Date :** 7/3/2025 11:38:00 AM
**Project Name :** ~~Lexington~~ Capra
**Receive DateTime :** 7/3/2025 10:55:00 AM
**Purchase Order :**

**Project Mgr :**
**Report Type :** ~~Level 1~~ NJ Reduced
**EDD Type :** Excel NJ Regular
**Hard Copy Date :**
**Date Signoff :**

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|
| Q2503-01 | GCAP2W | Water | 07/02/2025 | 18:00 | VOC-TCLVOA-10 | | 8260D | | 10 Bus. Days |
| Q2503-02 | GCAP3W | Water | 07/02/2025 | 18:30 | VOC-TCLVOA-10 | | 8260D | | 10 Bus. Days |
| Q2503-03 | GCAP2 | Solid | 07/02/2025 | 16:02 | VOC-TCLVOA-10<br>~~VOC-PP~~ | VOC-PP VOA + 15 | 8260D<br>~~8260C~~ | | 10 Bus. Days |
| Q2503-04 | GCAP3 | Solid | 07/02/2025 | 16:45 | VOC-TCLVOA-10<br>~~VOC-PP~~ | VOC-PP VOA + 15 | 8260D<br>~~8260C~~ | | 10 Bus. Days |

DP 07/15/2025

**Relinguished By :**
**Date / Time :** 7/3/25 1152

**Received By :** Sam
**Date / Time :** 07/03/25 11:52
**Storage Area :** VOA Refridgerator Room

Rg #6
Rg 2
Rg #5