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

# Hit Summary Sheet
**SW-846**

**SDG No.:** Q2826

**Client:** G Environmental

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|

**Client ID:**

0

**Total Voc :**

**Total Concentration:**

# SAMPLE DATA

Raw Data: **VY023099.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 08/11/25 |
| Project: | Ave B | Date Received: | 08/11/25 |
| Client Sample ID: | WC1 | SDG No.: | Q2826 |
| Lab Sample ID: | Q2826-01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 88.1 |
| Sample Wt/Vol: | 5.12 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VY023099.D | 1 | 08/14/25 16:44 | VY081425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 1.30 | U | 1.30 | 5.50 | ug/Kg |
| 74-87-3 | Chloromethane | 1.30 | U | 1.30 | 5.50 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 0.88 | U | 0.88 | 5.50 | ug/Kg |
| 74-83-9 | Bromomethane | 1.20 | U | 1.20 | 5.50 | ug/Kg |
| 75-00-3 | Chloroethane | 1.40 | U | 1.40 | 5.50 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 1.30 | U | 1.30 | 5.50 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 1.20 | U | 1.20 | 5.50 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 1.10 | U | 1.10 | 5.50 | ug/Kg |
| 67-64-1 | Acetone | 5.30 | U | 5.30 | 27.7 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 1.20 | U | 1.20 | 5.50 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.81 | U | 0.81 | 5.50 | ug/Kg |
| 79-20-9 | Methyl Acetate | 1.70 | U | 1.70 | 5.50 | ug/Kg |
| 75-09-2 | Methylene Chloride | 3.90 | U | 3.90 | 11.1 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.95 | U | 0.95 | 5.50 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.89 | U | 0.89 | 5.50 | ug/Kg |
| 110-82-7 | Cyclohexane | 0.88 | U | 0.88 | 5.50 | ug/Kg |
| 78-93-3 | 2-Butanone | 7.20 | U | 7.20 | 27.7 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 1.10 | U | 1.10 | 5.50 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.83 | U | 0.83 | 5.50 | ug/Kg |
| 74-97-5 | Bromochloromethane | 1.30 | U | 1.30 | 5.50 | ug/Kg |
| 67-66-3 | Chloroform | 0.93 | U | 0.93 | 5.50 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 1.00 | U | 1.00 | 5.50 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 1.00 | U | 1.00 | 5.50 | ug/Kg |
| 71-43-2 | Benzene | 0.88 | U | 0.88 | 5.50 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.88 | U | 0.88 | 5.50 | ug/Kg |
| 79-01-6 | Trichloroethene | 0.90 | U | 0.90 | 5.50 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 1.00 | U | 1.00 | 5.50 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 0.86 | U | 0.86 | 5.50 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 4.00 | U | 4.00 | 27.7 | ug/Kg |
| 108-88-3 | Toluene | 0.86 | U | 0.86 | 5.50 | ug/Kg |

Raw Data: **VY023099.D**

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 08/11/25 |
| Project: | Ave B | Date Received: | 08/11/25 |
| Client Sample ID: | WC1 | SDG No.: | Q2826 |
| Lab Sample ID: | Q2826-01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 88.1 |
| Sample Wt/Vol: | 5.12 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VY023099.D | 1 | 08/14/25 16:44 | VY081425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.72 | U | 0.72 | 5.50 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.69 | U | 0.69 | 5.50 | ug/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 1.00 | U | 1.00 | 5.50 | ug/Kg |
| 591-78-6 | 2-Hexanone | 4.10 | U | 4.10 | 27.7 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 0.96 | U | 0.96 | 5.50 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.98 | U | 0.98 | 5.50 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 1.20 | U | 1.20 | 5.50 | ug/Kg |
| 108-90-7 | Chlorobenzene | 1.00 | U | 1.00 | 5.50 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 0.74 | U | 0.74 | 5.50 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 1.40 | U | 1.40 | 11.1 | ug/Kg |
| 95-47-6 | o-Xylene | 0.91 | U | 0.91 | 5.50 | ug/Kg |
| 100-42-5 | Styrene | 0.79 | U | 0.79 | 5.50 | ug/Kg |
| 75-25-2 | Bromoform | 0.95 | U | 0.95 | 5.50 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 0.86 | U | 0.86 | 5.50 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 1.30 | U | 1.30 | 5.50 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 1.90 | U | 1.90 | 5.50 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 1.70 | U | 1.70 | 5.50 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 1.60 | U | 1.60 | 5.50 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 2.00 | U | 2.00 | 5.50 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 3.30 | U | 3.30 | 5.50 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 3.50 | U | 3.50 | 5.50 | ug/Kg |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 55.3 | | 70 (63) - 130 (155) | 111% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 53.4 | | 70 (70) - 130 (134) | 107% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.0 | | 70 (74) - 130 (123) | 102% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 43.2 | | 70 (17) - 130 (146) | 86% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 266000 | 7.707 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 461000 | 8.609 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 381000 | 11.414 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 151000 | 13.34 | | | |

Raw Data: **VY023099.D**

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 08/11/25 |
| Project: | Ave B | Date Received: | 08/11/25 |
| Client Sample ID: | WC1 | SDG No.: | Q2826 |
| Lab Sample ID: | Q2826-01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 88.1 |
| Sample Wt/Vol: | 5.12 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VY023099.D | 1 | 08/14/25 16:44 | VY081425 |

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

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

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

# QC SUMMARY

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

**SDG No.:** Q2826

**Client:** G Environmental

**Analytical Method:** SW8260D

| Lab Sample ID | Client ID | Parameter | Spike | Result | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|
| Q2826-01 | WC1 | 1,2-Dichloroethane-d4 | 50 | 55.3 | 111 | | 70 (63) | 130 (155) |
| | | Dibromofluoromethane | 50 | 53.4 | 107 | | 70 (70) | 130 (134) |
| | | Toluene-d8 | 50 | 51.0 | 102 | | 70 (74) | 130 (123) |
| | | 4-Bromofluorobenzene | 50 | 43.2 | 86 | | 70 (17) | 130 (146) |
| VY0814SBL01 | VY0814SBL01 | 1,2-Dichloroethane-d4 | 50 | 57.9 | 116 | | 70 (63) | 130 (155) |
| | | Dibromofluoromethane | 50 | 53.5 | 107 | | 70 (70) | 130 (134) |
| | | Toluene-d8 | 50 | 53.0 | 106 | | 70 (74) | 130 (123) |
| | | 4-Bromofluorobenzene | 50 | 45.1 | 90 | | 70 (17) | 130 (146) |
| VY0814SBS01 | VY0814SBS01 | 1,2-Dichloroethane-d4 | 50 | 50.3 | 101 | | 70 (63) | 130 (155) |
| | | Dibromofluoromethane | 50 | 50.1 | 100 | | 70 (70) | 130 (134) |
| | | Toluene-d8 | 50 | 50.9 | 102 | | 70 (74) | 130 (123) |
| | | 4-Bromofluorobenzene | 50 | 47.7 | 95 | | 70 (17) | 130 (146) |
| VY0814SBSD01 | VY0814SBSD01 | 1,2-Dichloroethane-d4 | 50 | 54.2 | 108 | | 70 (63) | 130 (155) |
| | | Dibromofluoromethane | 50 | 52.6 | 105 | | 70 (70) | 130 (134) |
| | | Toluene-d8 | 50 | 52.7 | 105 | | 70 (74) | 130 (123) |
| | | 4-Bromofluorobenzene | 50 | 50.8 | 102 | | 70 (17) | 130 (146) |

( ) = LABORATORY INHOUSE LIMIT

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2826 **Analytical Method:** SW8260D

**Client:** G Environmental **Datafile :** VY023086.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VY0814SBS01 | Dichlorodifluoromethane | 20 | 20.0 | ug/Kg | 100 | | | 40 (64) | 160 (136) | |
| | Chloromethane | 20 | 23.1 | ug/Kg | 116 | | | 40 (52) | 160 (151) | |
| | Vinyl chloride | 20 | 23.1 | ug/Kg | 116 | | | 70 (56) | 130 (148) | |
| | Bromomethane | 20 | 23.3 | ug/Kg | 117 | | | 40 (58) | 160 (141) | |
| | Chloroethane | 20 | 23.5 | ug/Kg | 117 | | | 40 (69) | 160 (130) | |
| | Trichlorofluoromethane | 20 | 21.8 | ug/Kg | 109 | | | 40 (69) | 160 (134) | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 20.9 | ug/Kg | 104 | | | 70 (81) | 130 (123) | |
| | 1,1-Dichloroethene | 20 | 20.0 | ug/Kg | 100 | | | 70 (79) | 130 (121) | |
| | Acetone | 100 | 94.2 | ug/Kg | 94 | | | 40 (40) | 160 (171) | |
| | Carbon disulfide | 20 | 20.6 | ug/Kg | 103 | | | 40 (59) | 160 (130) | |
| | Methyl tert-butyl Ether | 20 | 17.9 | ug/Kg | 90 | | | 70 (77) | 130 (129) | |
| | Methyl Acetate | 20 | 17.8 | ug/Kg | 89 | | | 70 (69) | 130 (149) | |
| | Methylene Chloride | 20 | 20.4 | ug/Kg | 102 | | | 70 (72) | 130 (131) | |
| | trans-1,2-Dichloroethene | 20 | 20.2 | ug/Kg | 101 | | | 70 (80) | 130 (123) | |
| | 1,1-Dichloroethane | 20 | 20.7 | ug/Kg | 104 | | | 70 (82) | 130 (123) | |
| | Cyclohexane | 20 | 19.4 | ug/Kg | 97 | | | 70 (76) | 130 (122) | |
| | 2-Butanone | 100 | 88.8 | ug/Kg | 89 | | | 40 (69) | 160 (131) | |
| | Carbon Tetrachloride | 20 | 20.1 | ug/Kg | 101 | | | 70 (76) | 130 (129) | |
| | cis-1,2-Dichloroethene | 20 | 20.1 | ug/Kg | 101 | | | 70 (82) | 130 (123) | |
| | Bromochloromethane | 20 | 20.3 | ug/Kg | 102 | | | 70 (80) | 130 (127) | |
| | Chloroform | 20 | 20.6 | ug/Kg | 103 | | | 70 (82) | 130 (125) | |
| | 1,1,1-Trichloroethane | 20 | 20.5 | ug/Kg | 103 | | | 70 (80) | 130 (126) | |
| | Methylcyclohexane | 20 | 18.7 | ug/Kg | 94 | | | 70 (77) | 130 (123) | |
| | Benzene | 20 | 20.3 | ug/Kg | 102 | | | 70 (84) | 130 (121) | |
| | 1,2-Dichloroethane | 20 | 20.0 | ug/Kg | 100 | | | 70 (81) | 130 (126) | |
| | Trichloroethene | 20 | 20.5 | ug/Kg | 103 | | | 70 (83) | 130 (122) | |
| | 1,2-Dichloropropane | 20 | 20.6 | ug/Kg | 103 | | | 70 (83) | 130 (122) | |
| | Bromodichloromethane | 20 | 20.0 | ug/Kg | 100 | | | 70 (82) | 130 (123) | |
| | 4-Methyl-2-Pentanone | 100 | 83.5 | ug/Kg | 84 | | | 40 (70) | 160 (135) | |
| | Toluene | 20 | 19.8 | ug/Kg | 99 | | | 70 (83) | 130 (122) | |
| | t-1,3-Dichloropropene | 20 | 18.5 | ug/Kg | 93 | | | 70 (78) | 130 (124) | |
| | cis-1,3-Dichloropropene | 20 | 19.4 | ug/Kg | 97 | | | 70 (81) | 130 (122) | |
| | 1,1,2-Trichloroethane | 20 | 18.7 | ug/Kg | 94 | | | 70 (82) | 130 (125) | |
| | 2-Hexanone | 100 | 81.9 | ug/Kg | 82 | | | 40 (66) | 160 (138) | |
| | Dibromochloromethane | 20 | 18.8 | ug/Kg | 94 | | | 70 (79) | 130 (125) | |
| | 1,2-Dibromoethane | 20 | 18.5 | ug/Kg | 93 | | | 70 (80) | 130 (125) | |
| | Tetrachloroethene | 20 | 21.5 | ug/Kg | 108 | | | 70 (83) | 130 (125) | |
| | Chlorobenzene | 20 | 19.7 | ug/Kg | 99 | | | 70 (84) | 130 (122) | |
| | Ethyl Benzene | 20 | 19.4 | ug/Kg | 97 | | | 70 (82) | 130 (124) | |
| | m/p-Xylenes | 40 | 38.9 | ug/Kg | 97 | | | 70 (83) | 130 (124) | |
| | o-Xylene | 20 | 19.0 | ug/Kg | 95 | | | 70 (83) | 130 (123) | |
| | Styrene | 20 | 19.2 | ug/Kg | 96 | | | 70 (82) | 130 (124) | |
| | Bromoform | 20 | 18.2 | ug/Kg | 91 | | | 70 (75) | 130 (127) | |
| | Isopropylbenzene | 20 | 19.3 | ug/Kg | 97 | | | 70 (82) | 130 (124) | |
| | 1,1,2,2-Tetrachloroethane | 20 | 17.2 | ug/Kg | 86 | | | 70 (77) | 130 (127) | |
| | 1,3-Dichlorobenzene | 20 | 19.5 | ug/Kg | 98 | | | 70 (83) | 130 (122) | |
| | 1,4-Dichlorobenzene | 20 | 19.6 | ug/Kg | 98 | | | 70 (84) | 130 (121) | |
| | 1,2-Dichlorobenzene | 20 | 19.2 | ug/Kg | 96 | | | 70 (83) | 130 (124) | |

( ) = LABORATORY INHOUSE LIMIT

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2826 **Analytical Method:** SW8260D

**Client:** G Environmental **Datafile :** VY023086.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VY0814SBS01 | 1,2-Dibromo-3-Chloropropane | 20 | 17.0 | ug/Kg | 85 | | | 40 (66) | 160 (134) | |
| | 1,2,4-Trichlorobenzene | 20 | 17.6 | ug/Kg | 88 | | | 70 (78) | 130 (127) | |
| | 1,2,3-Trichlorobenzene | 20 | 17.3 | ug/Kg | 86 | | | 70 (70) | 130 (137) | |

( ) = LABORATORY INHOUSE LIMIT

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2826 **Analytical Method:** SW8260D

**Client:** G Environmental **Datafile :** VY023087.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VY0814SBSD01 | Dichlorodifluoromethane | 20 | 21.7 | ug/Kg | 109 | 9 | | 40 (64) | 160 (136) | 30 (20) |
| | Chloromethane | 20 | 24.5 | ug/Kg | 123 | 6 | | 40 (52) | 160 (151) | 30 (20) |
| | Vinyl chloride | 20 | 24.5 | ug/Kg | 123 | 6 | | 70 (56) | 130 (148) | 30 (20) |
| | Bromomethane | 20 | 25.2 | ug/Kg | 126 | 7 | | 40 (58) | 160 (141) | 30 (20) |
| | Chloroethane | 20 | 24.6 | ug/Kg | 123 | 5 | | 40 (69) | 160 (130) | 30 (20) |
| | Trichlorofluoromethane | 20 | 22.0 | ug/Kg | 110 | 1 | | 40 (69) | 160 (134) | 30 (20) |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 22.0 | ug/Kg | 110 | 6 | | 70 (81) | 130 (123) | 30 (20) |
| | 1,1-Dichloroethene | 20 | 21.3 | ug/Kg | 106 | 6 | | 70 (79) | 130 (121) | 30 (20) |
| | Acetone | 100 | 100 | ug/Kg | 100 | 6 | | 40 (40) | 160 (171) | 30 (20) |
| | Carbon disulfide | 20 | 22.0 | ug/Kg | 110 | 7 | | 40 (59) | 160 (130) | 30 (20) |
| | Methyl tert-butyl Ether | 20 | 20.1 | ug/Kg | 101 | 12 | | 70 (77) | 130 (129) | 30 (20) |
| | Methyl Acetate | 20 | 20.7 | ug/Kg | 104 | 16 | | 70 (69) | 130 (149) | 30 (20) |
| | Methylene Chloride | 20 | 22.8 | ug/Kg | 114 | 11 | | 70 (72) | 130 (131) | 30 (20) |
| | trans-1,2-Dichloroethene | 20 | 21.4 | ug/Kg | 107 | 6 | | 70 (80) | 130 (123) | 30 (20) |
| | 1,1-Dichloroethane | 20 | 22.0 | ug/Kg | 110 | 6 | | 70 (82) | 130 (123) | 30 (20) |
| | Cyclohexane | 20 | 20.6 | ug/Kg | 103 | 6 | | 70 (76) | 130 (122) | 30 (20) |
| | 2-Butanone | 100 | 99.2 | ug/Kg | 99 | 11 | | 40 (69) | 160 (131) | 30 (20) |
| | Carbon Tetrachloride | 20 | 21.0 | ug/Kg | 105 | 4 | | 70 (76) | 130 (129) | 30 (20) |
| | cis-1,2-Dichloroethene | 20 | 21.4 | ug/Kg | 107 | 6 | | 70 (82) | 130 (123) | 30 (20) |
| | Bromochloromethane | 20 | 21.9 | ug/Kg | 110 | 8 | | 70 (80) | 130 (127) | 30 (20) |
| | Chloroform | 20 | 22.1 | ug/Kg | 111 | 7 | | 70 (82) | 130 (125) | 30 (20) |
| | 1,1,1-Trichloroethane | 20 | 21.7 | ug/Kg | 109 | 6 | | 70 (80) | 130 (126) | 30 (20) |
| | Methylcyclohexane | 20 | 19.7 | ug/Kg | 99 | 5 | | 70 (77) | 130 (123) | 30 (20) |
| | Benzene | 20 | 21.5 | ug/Kg | 108 | 6 | | 70 (84) | 130 (121) | 30 (20) |
| | 1,2-Dichloroethane | 20 | 21.0 | ug/Kg | 105 | 5 | | 70 (81) | 130 (126) | 30 (20) |
| | Trichloroethene | 20 | 20.7 | ug/Kg | 104 | 1 | | 70 (83) | 130 (122) | 30 (20) |
| | 1,2-Dichloropropane | 20 | 21.3 | ug/Kg | 106 | 3 | | 70 (83) | 130 (122) | 30 (20) |
| | Bromodichloromethane | 20 | 21.3 | ug/Kg | 106 | 6 | | 70 (82) | 130 (123) | 30 (20) |
| | 4-Methyl-2-Pentanone | 100 | 96.5 | ug/Kg | 97 | 14 | | 40 (70) | 160 (135) | 30 (20) |
| | Toluene | 20 | 21.1 | ug/Kg | 106 | 7 | | 70 (83) | 130 (122) | 30 (20) |
| | t-1,3-Dichloropropene | 20 | 20.4 | ug/Kg | 102 | 9 | | 70 (78) | 130 (124) | 30 (20) |
| | cis-1,3-Dichloropropene | 20 | 20.6 | ug/Kg | 103 | 6 | | 70 (81) | 130 (122) | 30 (20) |
| | 1,1,2-Trichloroethane | 20 | 20.7 | ug/Kg | 104 | 10 | | 70 (82) | 130 (125) | 30 (20) |
| | 2-Hexanone | 100 | 95.5 | ug/Kg | 96 | 16 | | 40 (66) | 160 (138) | 30 (20) |
| | Dibromochloromethane | 20 | 20.4 | ug/Kg | 102 | 8 | | 70 (79) | 130 (125) | 30 (20) |
| | 1,2-Dibromoethane | 20 | 20.5 | ug/Kg | 103 | 10 | | 70 (80) | 130 (125) | 30 (20) |
| | Tetrachloroethene | 20 | 19.6 | ug/Kg | 98 | 10 | | 70 (83) | 130 (125) | 30 (20) |
| | Chlorobenzene | 20 | 21.1 | ug/Kg | 106 | 7 | | 70 (84) | 130 (122) | 30 (20) |
| | Ethyl Benzene | 20 | 20.4 | ug/Kg | 102 | 5 | | 70 (82) | 130 (124) | 30 (20) |
| | m/p-Xylenes | 40 | 41.7 | ug/Kg | 104 | 7 | | 70 (83) | 130 (124) | 30 (20) |
| | o-Xylene | 20 | 20.5 | ug/Kg | 103 | 8 | | 70 (83) | 130 (123) | 30 (20) |
| | Styrene | 20 | 20.6 | ug/Kg | 103 | 7 | | 70 (82) | 130 (124) | 30 (20) |
| | Bromoform | 20 | 20.3 | ug/Kg | 102 | 11 | | 70 (75) | 130 (127) | 30 (20) |
| | Isopropylbenzene | 20 | 20.1 | ug/Kg | 101 | 4 | | 70 (82) | 130 (124) | 30 (20) |
| | 1,1,2,2-Tetrachloroethane | 20 | 20.9 | ug/Kg | 104 | 19 | | 70 (77) | 130 (127) | 30 (20) |
| | 1,3-Dichlorobenzene | 20 | 21.0 | ug/Kg | 105 | 7 | | 70 (83) | 130 (122) | 30 (20) |
| | 1,4-Dichlorobenzene | 20 | 20.8 | ug/Kg | 104 | 6 | | 70 (84) | 130 (121) | 30 (20) |
| | 1,2-Dichlorobenzene | 20 | 20.7 | ug/Kg | 104 | 8 | | 70 (83) | 130 (124) | 30 (20) |

( ) = LABORATORY INHOUSE LIMIT

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2826 **Analytical Method:** SW8260D

**Client:** G Environmental **Datafile :** VY023087.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VY0814SBSD01 | 1,2-Dibromo-3-Chloropropane | 20 | 19.3 | ug/Kg | 97 | 13 | | 40 (66) | 160 (134) | 30 (20) |
| | 1,2,4-Trichlorobenzene | 20 | 19.2 | ug/Kg | 96 | 9 | | 70 (78) | 130 (127) | 30 (20) |
| | 1,2,3-Trichlorobenzene | 20 | 19.0 | ug/Kg | 95 | 10 | | 70 (70) | 130 (137) | 30 (20) |

( ) = LABORATORY INHOUSE LIMIT

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# VOLATILE METHOD BLANK SUMMARY

Client ID: VY0814SBL01

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2826

Lab File ID: VY023085.D Lab Sample ID: VY0814SBL01

Date Analyzed: 08/14/2025 Time Analyzed: 10:50

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

Instrument ID: MSVOA_Y

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| VY0814SBS01 | VY0814SBS01 | VY023086.D | 08/14/2025 |
| VY0814SBSD01 | VY0814SBSD01 | VY023087.D | 08/14/2025 |
| WC1 | Q2826-01 | VY023099.D | 08/14/2025 |

COMMENTS:

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

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2826

Lab File ID: VY023048.D | BFB Injection Date: 08/12/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:26

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

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 19.2 |
| 75 | 30.0 - 60.0% of mass 95 | 51.9 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.8 |
| 173 | Less than 2.0% of mass 174 | 0.9 ( 1.1 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 83.2 |
| 175 | 5.0 - 9.0% of mass 174 | 6.3 ( 7.6 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 80.9 ( 97.2 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 5.1 ( 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 |
|---|---|---|---|---|
| VSTDICC005 | VSTDICC005 | VY023050.D | 08/12/2025 | 14:54 |
| VSTDICC010 | VSTDICC010 | VY023051.D | 08/12/2025 | 15:17 |
| VSTDICC020 | VSTDICC020 | VY023052.D | 08/12/2025 | 15:40 |
| VSTDICCC050 | VSTDICCC050 | VY023053.D | 08/12/2025 | 16:02 |
| VSTDICC100 | VSTDICC100 | VY023054.D | 08/12/2025 | 16:25 |
| VSTDICC150 | VSTDICC150 | VY023055.D | 08/12/2025 | 16:47 |

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

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2826

Lab File ID: VY023083.D | BFB Injection Date: 08/14/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 09:48

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 | 20.5 |
| 75 | 30.0 - 60.0% of mass 95 | 52.9 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.5 |
| 173 | Less than 2.0% of mass 174 | 0.6 ( 0.7 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 84 |
| 175 | 5.0 - 9.0% of mass 174 | 6.4 ( 7.6 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 81.2 ( 96.6 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 5.2 ( 6.5 ) 2 |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDCCC050 | VSTDCCC050 | VY023084.D | 08/14/2025 | 10:17 |
| VY0814SBL01 | VY0814SBL01 | VY023085.D | 08/14/2025 | 10:50 |
| VY0814SBS01 | VY0814SBS01 | VY023086.D | 08/14/2025 | 11:22 |
| VY0814SBSD01 | VY0814SBSD01 | VY023087.D | 08/14/2025 | 11:45 |
| WC1 | Q2826-01 | VY023099.D | 08/14/2025 | 16:44 |

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## VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2826

Lab File ID: VY023084.D Date Analyzed: 08/14/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:17

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 | 410930 | 7.71 | 647551 | 8.62 | 582049 | 11.41 |
| UPPER LIMIT | 821860 | 8.207 | 1295100 | 9.116 | 1164100 | 11.914 |
| LOWER LIMIT | 205465 | 7.207 | 323776 | 8.116 | 291025 | 10.914 |
| EPA SAMPLE NO. | | | | | | |
| WC1 | 266207 | 7.71 | 460667 | 8.61 | 381025 | 11.41 |
| VY0814SBL01 | 514218 | 7.71 | 1013413 | 8.62 | 885359 | 11.41 |
| VY0814SBS01 | 455827 | 7.71 | 734618 | 8.61 | 641778 | 11.41 |
| VY0814SBSD01 | 440114 | 7.71 | 717756 | 8.61 | 626725 | 11.41 |

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.: Q2826

Lab File ID: VY023084.D Date Analyzed: 08/14/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:17

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

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 290049 | 13.346 | | | | |
| UPPER LIMIT | 580098 | 13.846 | | | | |
| LOWER LIMIT | 145025 | 12.846 | | | | |
| EPA SAMPLE NO. | | | | | | |
| WC1 | 151348 | 13.34 | | | | |
| VY0814SBL01 | 340788 | 13.35 | | | | |
| VY0814SBS01 | 309825 | 13.34 | | | | |
| VY0814SBSD01 | 312365 | 13.34 | | | | |

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: | Ave B | Date Received: | |
| Client Sample ID: | VY0814SBL01 | SDG No.: | Q2826 |
| Lab Sample ID: | VY0814SBL01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VY023085.D | 1 | 08/14/25 10:50 | VY081425 |

| 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 |

Raw Data: **VY023085.D**

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | Date Collected: | | |
| Project: | Ave B | | Date Received: | | |
| Client Sample ID: | VY0814SBL01 | | SDG No.: | Q2826 | |
| Lab Sample ID: | VY0814SBL01 | | Matrix: | SOIL | |
| Analytical Method: | 8260D | | % Solid: | 100 | |
| Sample Wt/Vol: | 5 Units: | g | Final Vol: | 5000 | uL |
| Soil Aliquot Vol: | | uL | Test: | VOCMS Group1 | |
| GC Column: | RXI-624 ID : | 0.25 | Level : | LOW | |
| Prep Method : | | | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VY023085.D | 1 | 08/14/25 10:50 | VY081425 |

| 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 | 57.9 | | 70 (63) - 130 (155) | 116% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 53.5 | | 70 (70) - 130 (134) | 107% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 53.0 | | 70 (74) - 130 (123) | 106% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 45.1 | | 70 (17) - 130 (146) | 90% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 514000 | 7.707 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 1010000 | 8.616 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 885000 | 11.414 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 341000 | 13.346 | | | |

Raw Data: **VY023085.D**

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Ave B | Date Received: | |
| Client Sample ID: | VY0814SBL01 | SDG No.: | Q2826 |
| Lab Sample ID: | VY0814SBL01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VY023085.D | 1 | 08/14/25 10:50 | VY081425 |

| 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: | Ave B | Date Received: | |
| Client Sample ID: | VY0814SBS01 | SDG No.: | Q2826 |
| Lab Sample ID: | VY0814SBS01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VY023086.D | 1 | 08/14/25 11:22 | VY081425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 20.0 | | 1.10 | 5.00 | ug/Kg |
| 74-87-3 | Chloromethane | 23.1 | | 1.10 | 5.00 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 23.1 | | 0.79 | 5.00 | ug/Kg |
| 74-83-9 | Bromomethane | 23.3 | | 1.10 | 5.00 | ug/Kg |
| 75-00-3 | Chloroethane | 23.5 | | 1.30 | 5.00 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 21.8 | | 1.20 | 5.00 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 20.9 | | 1.10 | 5.00 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 20.0 | | 1.00 | 5.00 | ug/Kg |
| 67-64-1 | Acetone | 94.2 | | 4.70 | 25.0 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 20.6 | | 1.10 | 5.00 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 17.9 | | 0.73 | 5.00 | ug/Kg |
| 79-20-9 | Methyl Acetate | 17.8 | | 1.50 | 5.00 | ug/Kg |
| 75-09-2 | Methylene Chloride | 20.4 | | 3.50 | 10.0 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 20.2 | | 0.86 | 5.00 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 20.7 | | 0.80 | 5.00 | ug/Kg |
| 110-82-7 | Cyclohexane | 19.4 | | 0.79 | 5.00 | ug/Kg |
| 78-93-3 | 2-Butanone | 88.8 | | 6.50 | 25.0 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 20.1 | | 0.97 | 5.00 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 20.1 | | 0.75 | 5.00 | ug/Kg |
| 74-97-5 | Bromochloromethane | 20.3 | | 1.20 | 5.00 | ug/Kg |
| 67-66-3 | Chloroform | 20.6 | | 0.84 | 5.00 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 20.5 | | 0.93 | 5.00 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 18.7 | | 0.91 | 5.00 | ug/Kg |
| 71-43-2 | Benzene | 20.3 | | 0.79 | 5.00 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 20.0 | | 0.79 | 5.00 | ug/Kg |
| 79-01-6 | Trichloroethene | 20.5 | | 0.81 | 5.00 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 20.6 | | 0.91 | 5.00 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 20.0 | | 0.78 | 5.00 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 83.5 | | 3.60 | 25.0 | ug/Kg |
| 108-88-3 | Toluene | 19.8 | | 0.78 | 5.00 | ug/Kg |

Raw Data: **VY023086.D**

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | Date Collected: | | |
| Project: | Ave B | | Date Received: | | |
| Client Sample ID: | VY0814SBS01 | | SDG No.: | Q2826 | |
| Lab Sample ID: | VY0814SBS01 | | Matrix: | SOIL | |
| Analytical Method: | 8260D | | % Solid: | 100 | |
| Sample Wt/Vol: | 5 Units: | g | Final Vol: | 5000 | uL |
| Soil Aliquot Vol: | | uL | Test: | VOCMS Group1 | |
| GC Column: | RXI-624 ID : | 0.25 | Level : | LOW | |
| Prep Method : | | | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VY023086.D | 1 | 08/14/25 11:22 | VY081425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 18.5 | | 0.65 | 5.00 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 19.4 | | 0.62 | 5.00 | ug/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 18.7 | | 0.92 | 5.00 | ug/Kg |
| 591-78-6 | 2-Hexanone | 81.9 | | 3.70 | 25.0 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 18.8 | | 0.87 | 5.00 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 18.5 | | 0.88 | 5.00 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 21.5 | | 1.10 | 5.00 | ug/Kg |
| 108-90-7 | Chlorobenzene | 19.7 | | 0.91 | 5.00 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 19.4 | | 0.67 | 5.00 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 38.9 | | 1.20 | 10.0 | ug/Kg |
| 95-47-6 | o-Xylene | 19.0 | | 0.82 | 5.00 | ug/Kg |
| 100-42-5 | Styrene | 19.2 | | 0.71 | 5.00 | ug/Kg |
| 75-25-2 | Bromoform | 18.2 | | 0.86 | 5.00 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 19.3 | | 0.78 | 5.00 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 17.2 | | 1.20 | 5.00 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 19.5 | | 1.70 | 5.00 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 19.6 | | 1.60 | 5.00 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 19.2 | | 1.50 | 5.00 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 17.0 | | 1.80 | 5.00 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 17.6 | | 3.00 | 5.00 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 17.3 | | 3.20 | 5.00 | ug/Kg |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 50.3 | | 70 (63) - 130 (155) | 101% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.1 | | 70 (70) - 130 (134) | 100% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.9 | | 70 (74) - 130 (123) | 102% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 47.7 | | 70 (17) - 130 (146) | 95% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 456000 | 7.707 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 735000 | 8.609 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 642000 | 11.414 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 310000 | 13.34 | | | |

Raw Data: **VY023086.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Ave B | Date Received: | |
| Client Sample ID: | VY0814SBS01 | SDG No.: | Q2826 |
| Lab Sample ID: | VY0814SBS01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VY023086.D | 1 | 08/14/25 11:22 | VY081425 |

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

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

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

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Ave B | Date Received: | |
| Client Sample ID: | VY0814SBSD01 | SDG No.: | Q2826 |
| Lab Sample ID: | VY0814SBSD01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VY023087.D | 1 | 08/14/25 11:45 | VY081425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 21.7 | | 1.10 | 5.00 | ug/Kg |
| 74-87-3 | Chloromethane | 24.5 | | 1.10 | 5.00 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 24.5 | | 0.79 | 5.00 | ug/Kg |
| 74-83-9 | Bromomethane | 25.2 | | 1.10 | 5.00 | ug/Kg |
| 75-00-3 | Chloroethane | 24.6 | | 1.30 | 5.00 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 22.0 | | 1.20 | 5.00 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 22.0 | | 1.10 | 5.00 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 21.3 | | 1.00 | 5.00 | ug/Kg |
| 67-64-1 | Acetone | 100 | | 4.70 | 25.0 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 22.0 | | 1.10 | 5.00 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 20.1 | | 0.73 | 5.00 | ug/Kg |
| 79-20-9 | Methyl Acetate | 20.7 | | 1.50 | 5.00 | ug/Kg |
| 75-09-2 | Methylene Chloride | 22.8 | | 3.50 | 10.0 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 21.4 | | 0.86 | 5.00 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 22.0 | | 0.80 | 5.00 | ug/Kg |
| 110-82-7 | Cyclohexane | 20.6 | | 0.79 | 5.00 | ug/Kg |
| 78-93-3 | 2-Butanone | 99.2 | | 6.50 | 25.0 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 21.0 | | 0.97 | 5.00 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 21.4 | | 0.75 | 5.00 | ug/Kg |
| 74-97-5 | Bromochloromethane | 21.9 | | 1.20 | 5.00 | ug/Kg |
| 67-66-3 | Chloroform | 22.1 | | 0.84 | 5.00 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 21.7 | | 0.93 | 5.00 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 19.7 | | 0.91 | 5.00 | ug/Kg |
| 71-43-2 | Benzene | 21.5 | | 0.79 | 5.00 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 21.0 | | 0.79 | 5.00 | ug/Kg |
| 79-01-6 | Trichloroethene | 20.7 | | 0.81 | 5.00 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 21.3 | | 0.91 | 5.00 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 21.3 | | 0.78 | 5.00 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 96.5 | | 3.60 | 25.0 | ug/Kg |
| 108-88-3 | Toluene | 21.1 | | 0.78 | 5.00 | ug/Kg |

Raw Data: **VY023087.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | Date Collected: | | |
| Project: | Ave B | | Date Received: | | |
| Client Sample ID: | VY0814SBSD01 | | SDG No.: | Q2826 | |
| Lab Sample ID: | VY0814SBSD01 | | Matrix: | SOIL | |
| Analytical Method: | 8260D | | % Solid: | 100 | |
| Sample Wt/Vol: | 5 Units: | g | Final Vol: | 5000 | uL |
| Soil Aliquot Vol: | | uL | Test: | VOCMS Group1 | |
| GC Column: | RXI-624 ID : | 0.25 | Level : | LOW | |
| Prep Method : | | | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VY023087.D | 1 | 08/14/25 11:45 | VY081425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 20.4 | | 0.65 | 5.00 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 20.6 | | 0.62 | 5.00 | ug/Kg |
| 79-00-5 | 1,1,2-Trichloroethane | 20.7 | | 0.92 | 5.00 | ug/Kg |
| 591-78-6 | 2-Hexanone | 95.5 | | 3.70 | 25.0 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 20.4 | | 0.87 | 5.00 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 20.5 | | 0.88 | 5.00 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 19.6 | | 1.10 | 5.00 | ug/Kg |
| 108-90-7 | Chlorobenzene | 21.1 | | 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 | 41.7 | | 1.20 | 10.0 | ug/Kg |
| 95-47-6 | o-Xylene | 20.5 | | 0.82 | 5.00 | ug/Kg |
| 100-42-5 | Styrene | 20.6 | | 0.71 | 5.00 | ug/Kg |
| 75-25-2 | Bromoform | 20.3 | | 0.86 | 5.00 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 20.1 | | 0.78 | 5.00 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20.9 | | 1.20 | 5.00 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 21.0 | | 1.70 | 5.00 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 20.8 | | 1.60 | 5.00 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 20.7 | | 1.50 | 5.00 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 19.3 | | 1.80 | 5.00 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 19.2 | | 3.00 | 5.00 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 19.0 | | 3.20 | 5.00 | ug/Kg |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 54.2 | | 70 (63) - 130 (155) | 108% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 52.6 | | 70 (70) - 130 (134) | 105% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 52.7 | | 70 (74) - 130 (123) | 105% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.8 | | 70 (17) - 130 (146) | 102% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 440000 | 7.707 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 718000 | 8.609 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 627000 | 11.414 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 312000 | 13.34 | | | |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Ave B | Date Received: | |
| Client Sample ID: | VY0814SBSD01 | SDG No.: | Q2826 |
| Lab Sample ID: | VY0814SBSD01 | Matrix: | SOIL |
| Analytical Method: | 8260D | % Solid: | 100 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VY023087.D | 1 | 08/14/25 11:45 | VY081425 |

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

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

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

# CALIBRATION SUMMARY

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

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2826

Instrument ID: MSVOA_Y Calibration Date(s): 08/12/2025 08/12/2025

Heated Purge: (Y/N) Y Calibration Time(s): 14:54 16:47

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

LAB FILE ID: RRF005 = VY023050.D RRF010 = VY023051.D RRF020 = VY023052.D
RRF050 = VY023053.D RRF100 = VY023054.D RRF150 = VY023055.D

| COMPOUND | RRF005 | RRF010 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.487 | 0.463 | 0.460 | 0.348 | 0.337 | 0.354 | 0.408 | 16.8 |
| Chloromethane | 0.699 | 0.707 | 0.736 | 0.607 | 0.603 | 0.613 | 0.661 | 9 |
| Vinyl Chloride | 0.868 | 0.870 | 0.875 | 0.769 | 0.754 | 0.766 | 0.817 | 7.3 |
| Bromomethane | 0.673 | 0.638 | 0.653 | 0.540 | 0.576 | 0.581 | 0.610 | 8.5 |
| Chloroethane | 0.585 | 0.567 | 0.569 | 0.515 | 0.508 | 0.516 | 0.543 | 6.2 |
| Trichlorofluoromethane | 1.059 | 1.044 | 1.048 | 0.937 | 0.900 | 0.974 | 0.994 | 6.7 |
| 1,1,2-Trichlorotrifluoroethane | 0.522 | 0.519 | 0.521 | 0.462 | 0.445 | 0.472 | 0.490 | 7 |
| 1,1-Dichloroethene | 0.492 | 0.505 | 0.502 | 0.463 | 0.454 | 0.475 | 0.482 | 4.4 |
| Acetone | 0.110 | 0.111 | 0.106 | 0.103 | 0.094 | 0.096 | 0.103 | 6.9 |
| Carbon Disulfide | 1.656 | 1.663 | 1.662 | 1.491 | 1.453 | 1.501 | 1.571 | 6.3 |
| Methyl tert-butyl Ether | 1.181 | 1.268 | 1.296 | 1.236 | 1.202 | 1.308 | 1.249 | 4.1 |
| Methyl Acetate | 0.299 | 0.308 | 0.325 | 0.322 | 0.280 | 0.309 | 0.307 | 5.4 |
| Methylene Chloride | 0.861 | 0.706 | 0.606 | 0.510 | 0.511 | 0.524 | 0.620 | 22.7 |
| trans-1,2-Dichloroethene | 0.535 | 0.561 | 0.559 | 0.523 | 0.520 | 0.550 | 0.541 | 3.3 |
| 1,1-Dichloroethane | 0.929 | 0.969 | 0.984 | 0.918 | 0.907 | 0.945 | 0.942 | 3.1 |
| Cyclohexane | 1.040 | 0.934 | 0.905 | 0.816 | 0.792 | 0.838 | 0.888 | 10.4 |
| 2-Butanone | 0.135 | 0.152 | 0.143 | 0.142 | 0.129 | 0.142 | 0.140 | 5.5 |
| Carbon Tetrachloride | 0.490 | 0.486 | 0.505 | 0.466 | 0.466 | 0.484 | 0.483 | 3.1 |
| cis-1,2-Dichloroethene | 0.621 | 0.624 | 0.645 | 0.607 | 0.610 | 0.648 | 0.626 | 2.8 |
| Bromochloromethane | 0.367 | 0.379 | 0.393 | 0.365 | 0.367 | 0.371 | 0.374 | 2.9 |
| Chloroform | 0.969 | 0.997 | 1.002 | 0.943 | 0.936 | 0.981 | 0.971 | 2.8 |
| 1,1,1-Trichloroethane | 0.862 | 0.877 | 0.899 | 0.837 | 0.833 | 0.864 | 0.862 | 2.8 |
| Methylcyclohexane | 0.574 | 0.579 | 0.605 | 0.566 | 0.575 | 0.614 | 0.586 | 3.3 |
| Benzene | 1.354 | 1.375 | 1.430 | 1.334 | 1.334 | 1.395 | 1.370 | 2.8 |
| 1,2-Dichloroethane | 0.353 | 0.370 | 0.371 | 0.347 | 0.339 | 0.359 | 0.356 | 3.6 |
| Trichloroethene | 0.354 | 0.355 | 0.373 | 0.341 | 0.342 | 0.359 | 0.354 | 3.3 |
| 1,2-Dichloropropane | 0.303 | 0.321 | 0.326 | 0.309 | 0.309 | 0.325 | 0.315 | 3.1 |
| Bromodichloromethane | 0.446 | 0.464 | 0.489 | 0.459 | 0.456 | 0.481 | 0.466 | 3.5 |
| 4-Methyl-2-Pentanone | 0.168 | 0.201 | 0.200 | 0.199 | 0.190 | 0.211 | 0.195 | 7.7 |
| Toluene | 0.817 | 0.851 | 0.902 | 0.858 | 0.873 | 0.921 | 0.870 | 4.3 |

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

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Fax : 908 789 8922

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2826

Instrument ID: MSVOA_Y Calibration Date(s): 08/12/2025 08/12/2025

Heated Purge: (Y/N) Y Calibration Time(s): 14:54 16:47

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

LAB FILE ID: RRF005 = VY023050.D RRF010 = VY023051.D RRF020 = VY023052.D
RRF050 = VY023053.D RRF100 = VY023054.D RRF150 = VY023055.D

| COMPOUND | RRF005 | RRF010 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| t-1,3-Dichloropropene | 0.377 | 0.410 | 0.435 | 0.420 | 0.428 | 0.459 | 0.422 | 6.5 |
| cis-1,3-Dichloropropene | 0.457 | 0.486 | 0.513 | 0.496 | 0.500 | 0.540 | 0.499 | 5.5 |
| 1,1,2-Trichloroethane | 0.230 | 0.242 | 0.253 | 0.239 | 0.236 | 0.254 | 0.242 | 4 |
| 2-Hexanone | 0.112 | 0.134 | 0.137 | 0.136 | 0.131 | 0.146 | 0.133 | 8.6 |
| Dibromochloromethane | 0.300 | 0.317 | 0.326 | 0.318 | 0.316 | 0.340 | 0.320 | 4.1 |
| 1,2-Dibromoethane | 0.206 | 0.232 | 0.237 | 0.226 | 0.222 | 0.242 | 0.228 | 5.6 |
| Tetrachloroethene | 0.477 | 0.463 | 0.475 | 0.435 | 0.393 | 0.437 | 0.446 | 7.2 |
| Chlorobenzene | 1.062 | 1.070 | 1.116 | 1.055 | 1.057 | 1.111 | 1.079 | 2.6 |
| Ethyl Benzene | 1.775 | 1.795 | 1.894 | 1.859 | 1.858 | 1.956 | 1.856 | 3.6 |
| m/p-Xylenes | 0.676 | 0.699 | 0.745 | 0.718 | 0.737 | 0.774 | 0.725 | 4.8 |
| o-Xylene | 0.605 | 0.643 | 0.696 | 0.686 | 0.702 | 0.742 | 0.679 | 7.1 |
| Styrene | 0.945 | 1.023 | 1.140 | 1.123 | 1.176 | 1.254 | 1.110 | 10 |
| Bromoform | 0.197 | 0.213 | 0.216 | 0.214 | 0.213 | 0.231 | 0.214 | 5 |
| Isopropylbenzene | 3.420 | 3.483 | 3.602 | 3.505 | 3.514 | 3.650 | 3.529 | 2.4 |
| 1,1,2,2-Tetrachloroethane | 0.584 | 0.647 | 0.605 | 0.585 | 0.581 | 0.613 | 0.603 | 4.2 |
| 1,3-Dichlorobenzene | 1.600 | 1.642 | 1.701 | 1.610 | 1.656 | 1.752 | 1.660 | 3.5 |
| 1,4-Dichlorobenzene | 1.687 | 1.657 | 1.680 | 1.601 | 1.597 | 1.660 | 1.647 | 2.3 |
| 1,2-Dichlorobenzene | 1.410 | 1.472 | 1.496 | 1.420 | 1.438 | 1.499 | 1.456 | 2.7 |
| 1,2-Dibromo-3-Chloropropane | 0.093 | 0.096 | 0.094 | 0.095 | 0.086 | 0.098 | 0.094 | 4.3 |
| 1,2,4-Trichlorobenzene | 0.788 | 0.839 | 0.881 | 0.847 | 0.856 | 0.955 | 0.861 | 6.4 |
| 1,2,3-Trichlorobenzene | 0.685 | 0.733 | 0.752 | 0.720 | 0.727 | 0.834 | 0.742 | 6.7 |
| 1,2-Dichloroethane-d4 | 0.491 | 0.490 | 0.482 | 0.462 | 0.472 | 0.462 | 0.477 | 2.7 |
| Dibromofluoromethane | 0.290 | 0.299 | 0.301 | 0.293 | 0.307 | 0.305 | 0.299 | 2.1 |
| Toluene-d8 | 1.151 | 1.157 | 1.173 | 1.143 | 1.202 | 1.186 | 1.169 | 1.9 |
| 4-Bromofluorobenzene | 0.358 | 0.367 | 0.367 | 0.370 | 0.399 | 0.394 | 0.376 | 4.4 |

* 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.

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

# VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q2826
Instrument ID: MSVOA_Y
Calibration Date/Time: 08/14/2025 10:17
Lab File ID: VY023084.D
Init. Calib. Date(s): 08/12/2025 08/12/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 14:54 16:47
GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.408 | 0.368 | | -9.8 | 20 |
| Chloromethane | 0.661 | 0.738 | 0.1 | 11.65 | 20 |
| Vinyl Chloride | 0.817 | 0.946 | | 15.79 | 20 |
| Bromomethane | 0.610 | 0.701 | | 14.92 | 20 |
| Chloroethane | 0.543 | 0.665 | | 22.47 | 20 |
| Trichlorofluoromethane | 0.994 | 1.067 | | 7.34 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.490 | 0.530 | | 8.16 | 20 |
| 1,1-Dichloroethene | 0.482 | 0.512 | | 6.22 | 20 |
| Acetone | 0.103 | 0.106 | | 2.91 | 20 |
| Carbon Disulfide | 1.571 | 1.688 | | 7.45 | 20 |
| Methyl tert-butyl Ether | 1.249 | 1.278 | | 2.32 | 20 |
| Methyl Acetate | 0.307 | 0.311 | | 1.3 | 20 |
| Methylene Chloride | 0.620 | 0.608 | | -1.93 | 20 |
| trans-1,2-Dichloroethene | 0.541 | 0.599 | | 10.72 | 20 |
| 1,1-Dichloroethane | 0.942 | 1.065 | 0.1 | 13.06 | 20 |
| Cyclohexane | 0.888 | 0.899 | | 1.24 | 20 |
| 2-Butanone | 0.140 | 0.142 | | 1.43 | 20 |
| Carbon Tetrachloride | 0.483 | 0.543 | | 12.42 | 20 |
| cis-1,2-Dichloroethene | 0.626 | 0.688 | | 9.9 | 20 |
| Bromochloromethane | 0.374 | 0.440 | | 17.65 | 20 |
| Chloroform | 0.971 | 1.102 | | 13.49 | 20 |
| 1,1,1-Trichloroethane | 0.862 | 0.962 | | 11.6 | 20 |
| Methylcyclohexane | 0.586 | 0.637 | | 8.7 | 20 |
| Benzene | 1.370 | 1.568 | | 14.45 | 20 |
| 1,2-Dichloroethane | 0.356 | 0.398 | | 11.8 | 20 |
| Trichloroethene | 0.354 | 0.397 | | 12.15 | 20 |
| 1,2-Dichloropropane | 0.315 | 0.366 | | 16.19 | 20 |
| Bromodichloromethane | 0.466 | 0.532 | | 14.16 | 20 |
| 4-Methyl-2-Pentanone | 0.195 | 0.203 | | 4.1 | 20 |
| Toluene | 0.870 | 1.000 | | 14.94 | 20 |
| t-1,3-Dichloropropene | 0.422 | 0.465 | | 10.19 | 20 |
| cis-1,3-Dichloropropene | 0.499 | 0.557 | | 11.62 | 20 |
| 1,1,2-Trichloroethane | 0.242 | 0.267 | | 10.33 | 20 |
| 2-Hexanone | 0.133 | 0.137 | | 3.01 | 20 |
| Dibromochloromethane | 0.320 | 0.358 | | 11.88 | 20 |
| 1,2-Dibromoethane | 0.228 | 0.247 | | 8.33 | 20 |
| Tetrachloroethene | 0.446 | 0.495 | | 10.99 | 20 |
| Chlorobenzene | 1.079 | 1.192 | 0.3 | 10.47 | 20 |

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

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

# VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2826

Instrument ID: MSVOA_Y Calibration Date/Time: 08/14/2025 10:17

Lab File ID: VY023084.D Init. Calib. Date(s): 08/12/2025 08/12/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 14:54 16:47

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.856 | 2.084 | | 12.28 | 20 |
| m/p-Xylenes | 0.725 | 0.824 | | 13.65 | 20 |
| o-Xylene | 0.679 | 0.765 | | 12.67 | 20 |
| Styrene | 1.110 | 1.298 | | 16.94 | 20 |
| Bromoform | 0.214 | 0.221 | 0.1 | 3.27 | 20 |
| Isopropylbenzene | 3.529 | 3.976 | | 12.67 | 20 |
| 1,1,2,2-Tetrachloroethane | 0.603 | 0.622 | 0.3 | 3.15 | 20 |
| 1,3-Dichlorobenzene | 1.660 | 1.864 | | 12.29 | 20 |
| 1,4-Dichlorobenzene | 1.647 | 1.816 | | 10.26 | 20 |
| 1,2-Dichlorobenzene | 1.456 | 1.620 | | 11.26 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.094 | 0.097 | | 3.19 | 20 |
| 1,2,4-Trichlorobenzene | 0.861 | 0.892 | | 3.6 | 20 |
| 1,2,3-Trichlorobenzene | 0.742 | 0.759 | | 2.29 | 20 |
| 1,2-Dichloroethane-d4 | 0.477 | 0.540 | | 13.21 | 20 |
| Dibromofluoromethane | 0.299 | 0.344 | | 15.05 | 20 |
| Toluene-d8 | 1.169 | 1.352 | | 15.65 | 20 |
| 4-Bromofluorobenzene | 0.376 | 0.427 | | 13.56 | 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_Y\Data\VY081425\
Data File : VY023099.D
Acq On : 14 Aug 2025 16:44
Operator : SY/MD
Sample : Q2826-01
Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
WC1

Quant Time: Aug 18 01:28:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 266207 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.609 | 114 | 460667 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 381025 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.340 | 152 | 151348 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.055 | 65 | 140324 | 55.308 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 110.620% | | | |
| 35) Dibromofluoromethane | 7.628 | 113 | 147151 | 53.384 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 106.760% | | | |
| 50) Toluene-d8 | 10.103 | 98 | 549595 | 51.038 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 102.080% | | | |
| 62) 4-Bromofluorobenzene | 12.401 | 95 | 149480 | 43.164 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 86.320% | | | |

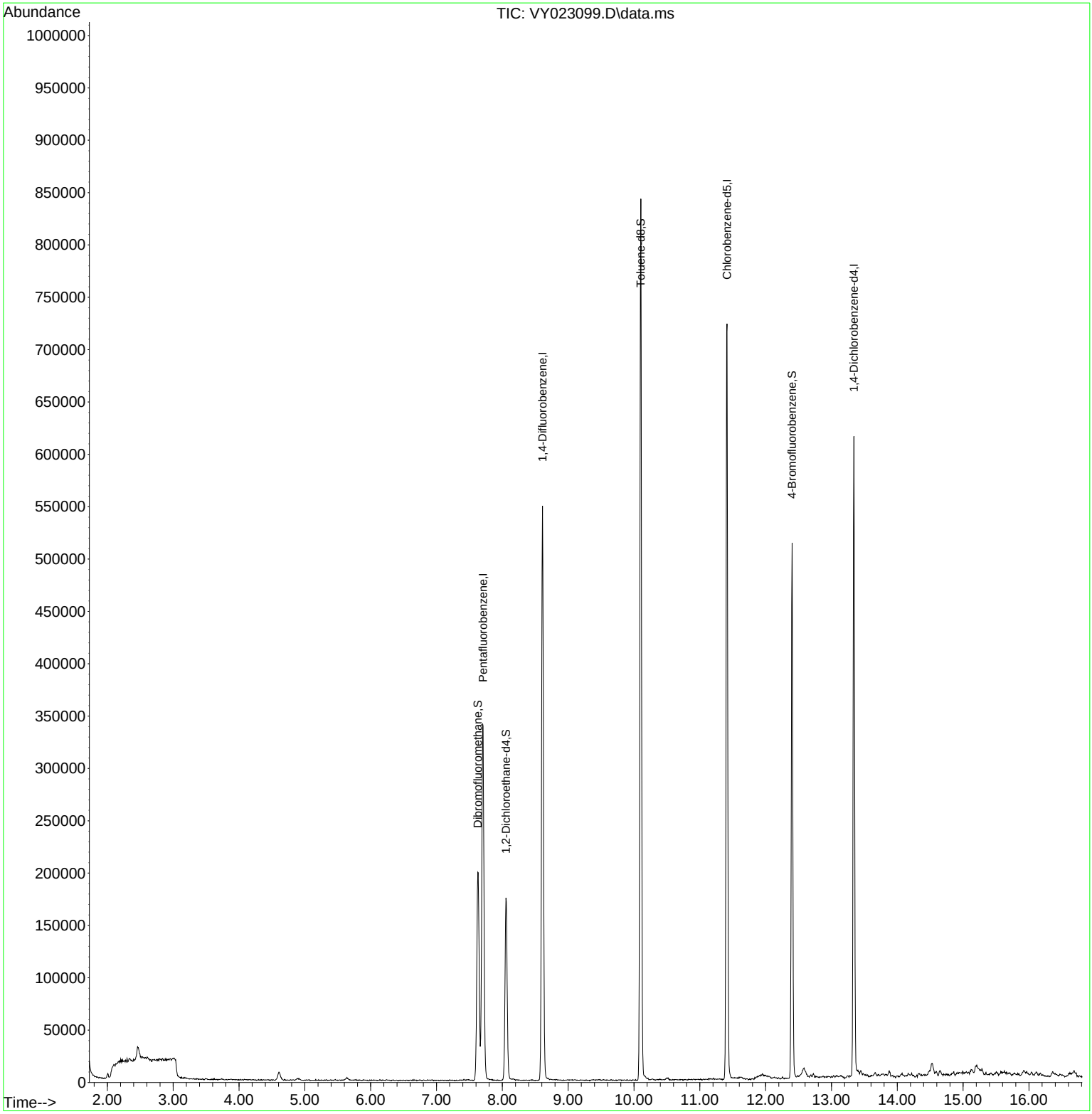
Target Compounds Qvalue

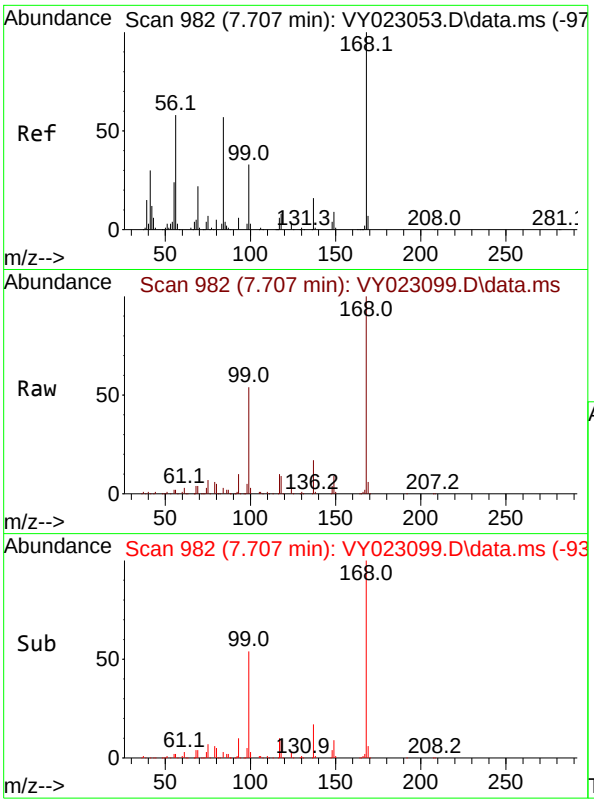
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
Data File : VY023099.D
Acq On : 14 Aug 2025 16:44
Operator : SY/MD
Sample : Q2826-01
Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
WC1

Quant Time: Aug 18 01:28:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



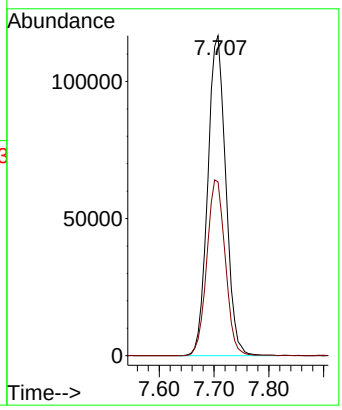


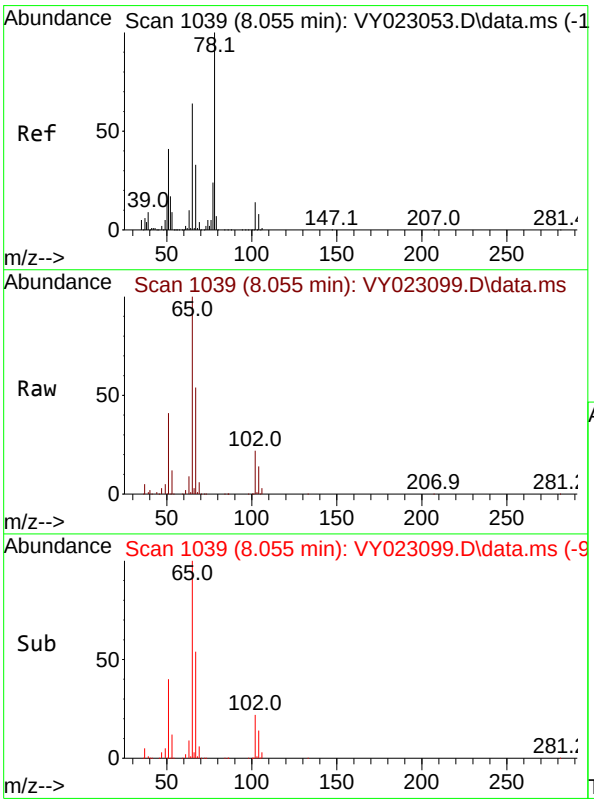

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023099.D
Acq: 14 Aug 2025 16:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
WC1

Tgt Ion:168 Resp: 266207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 54.3 | 42.8 | 64.2 |

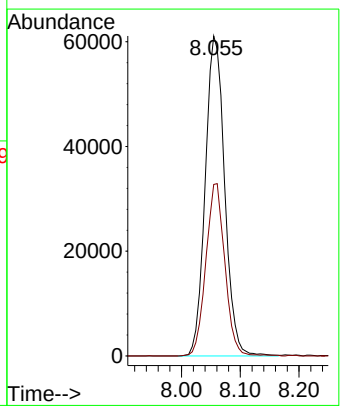


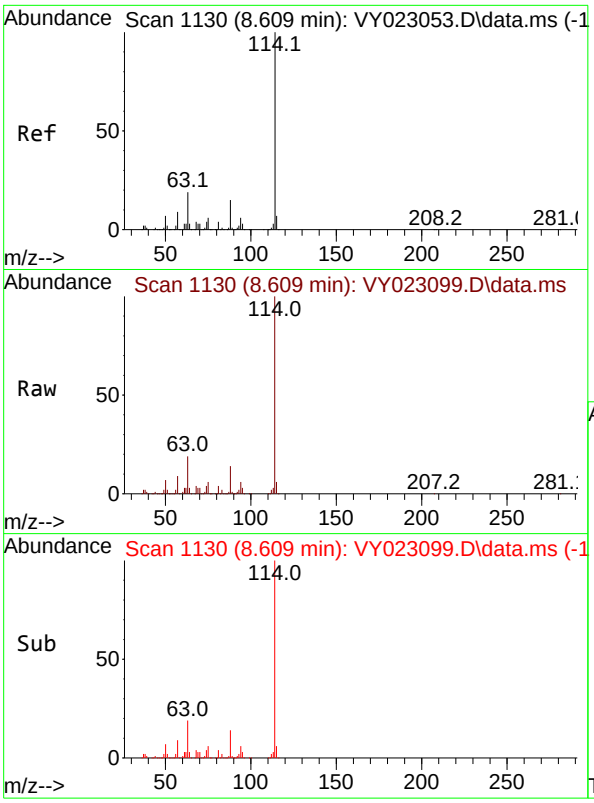




#33
1,2-Dichloroethane-d4
Concen: 55.308 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY023099.D
Acq: 14 Aug 2025 16:44

Tgt Ion: 65 Resp: 140324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.7 | 0.0 | 106.8 |



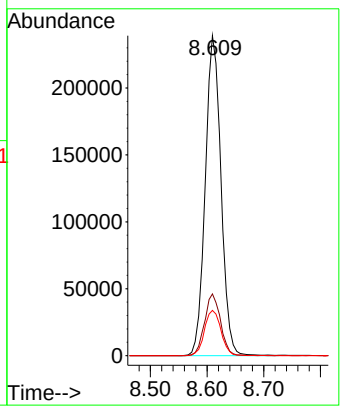


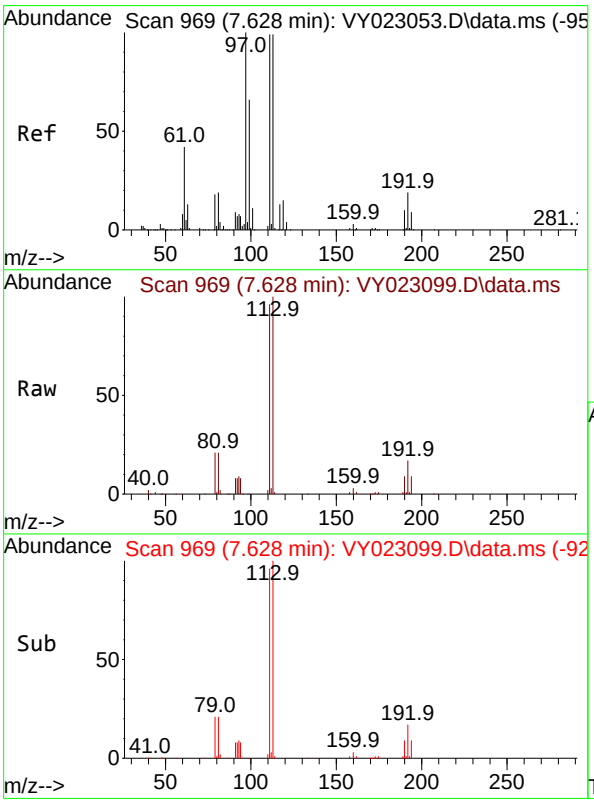

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023099.D
Acq: 14 Aug 2025 16:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
WC1

Tgt Ion:114 Resp: 460667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.3 | 0.0 | 38.4 |
| 88 | 14.1 | 0.0 | 30.0 |

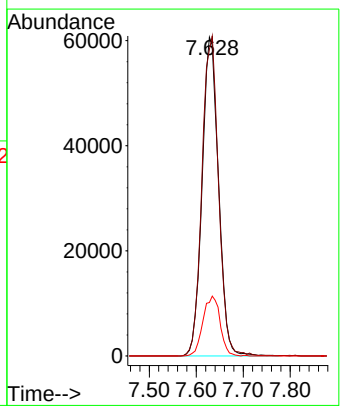


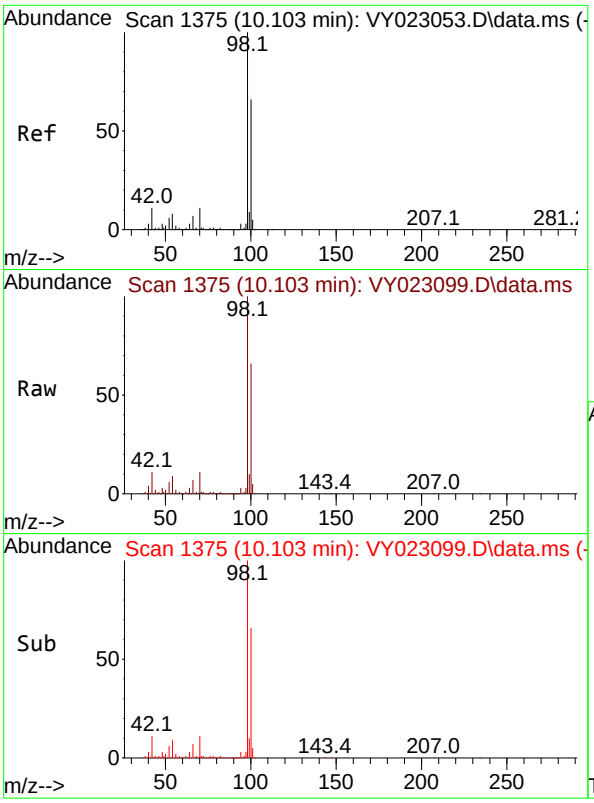




#35
Dibromofluoromethane
Concen: 53.384 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023099.D
Acq: 14 Aug 2025 16:44

Tgt Ion:113 Resp: 147151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.2 | 81.1 | 121.7 |
| 192 | 19.5 | 16.2 | 24.4 |



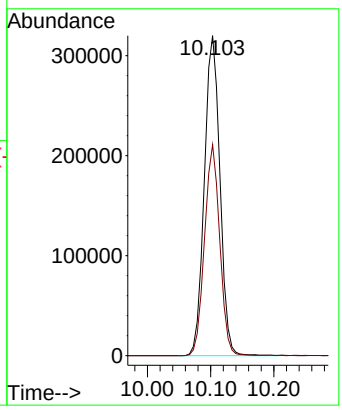


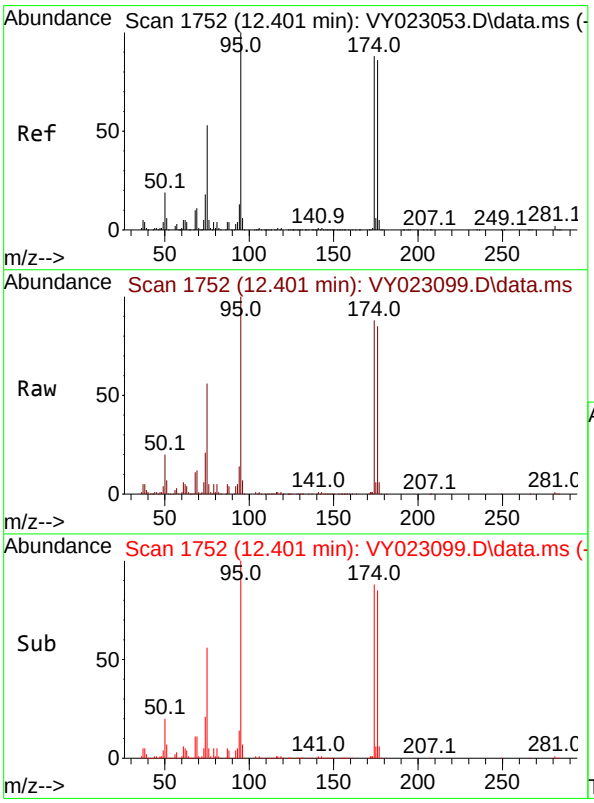

#50
Toluene-d8
Concen: 51.038 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023099.D
Acq: 14 Aug 2025 16:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
WC1

Tgt Ion: 98 Resp: 549595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.4 | 52.3 | 78.5 |

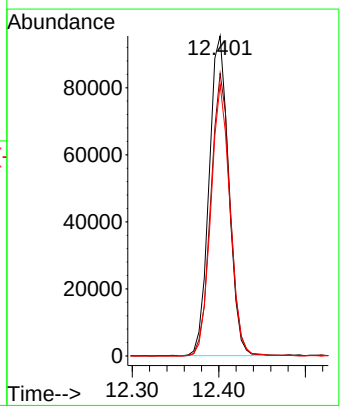


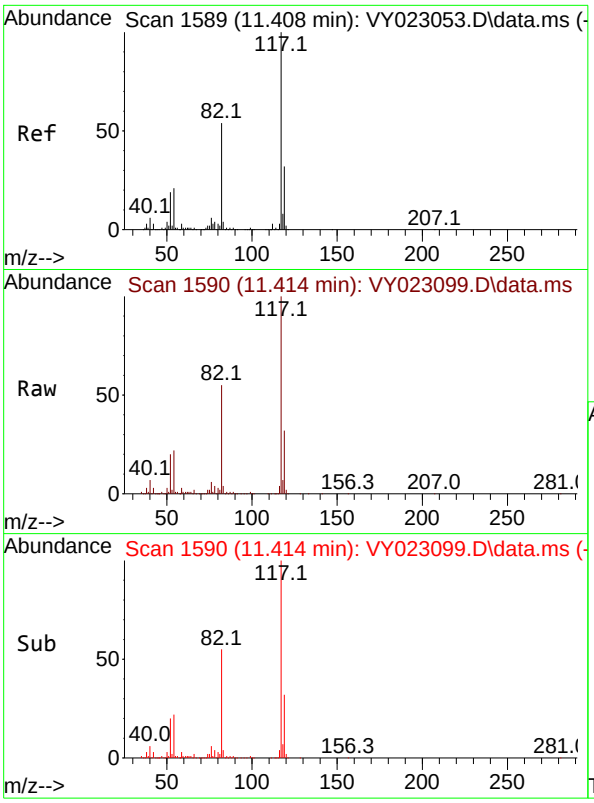




#62
4-Bromofluorobenzene
Concen: 43.164 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023099.D
Acq: 14 Aug 2025 16:44

Tgt Ion: 95 Resp: 149480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 87.3 | 0.0 | 171.6 |
| 176 | 83.4 | 0.0 | 167.6 |



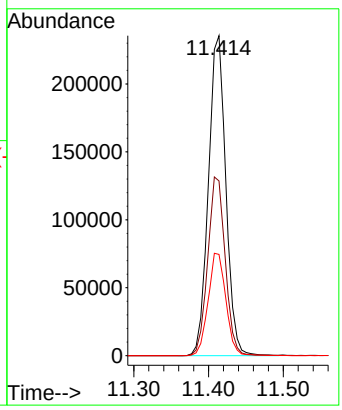


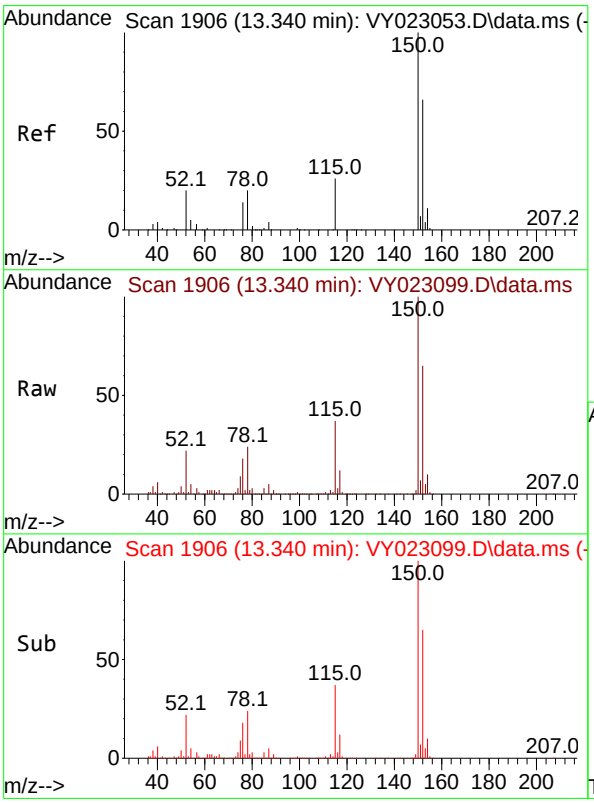

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023099.D
Acq: 14 Aug 2025 16:44

**Instrument :**
MSVOA_Y
**ClientSampleId :**
WC1

Tgt Ion:117 Resp: 381025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.6 | 43.4 | 65.0 |
| 119 | 31.6 | 25.6 | 38.4 |

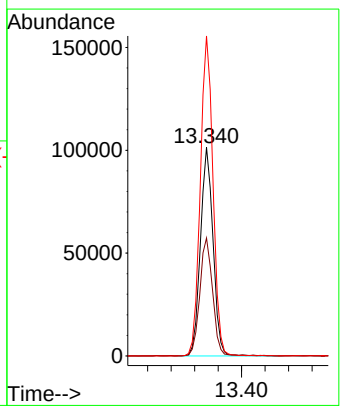



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023099.D
Acq: 14 Aug 2025 16:44

Tgt Ion:152 Resp: 151348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 56.7 | 28.2 | 84.6 |
| 150 | 153.8 | 0.0 | 348.0 |



Sample Results: **VY023099.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
Data File : VY023099.D
Acq On : 14 Aug 2025 16:44
Operator : SY/MD
Sample : Q2826-01
Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
WC1

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Title : SW846 8260

Signal : TIC: VY023099.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.098 | 52 | 62 | 65 | rBV5 | 11737 | 37870 | 2.62% | 0.520% |
| 2 | 2.458 | 118 | 121 | 128 | rVB7 | 9900 | 21339 | 1.48% | 0.293% |
| 3 | 4.610 | 464 | 474 | 480 | rBV5 | 7759 | 22415 | 1.55% | 0.308% |
| 4 | 7.628 | 957 | 969 | 975 | rBV2 | 199243 | 494016 | 34.19% | 6.782% |
| 5 | 7.701 | 975 | 981 | 993 | rVB | 339841 | 791730 | 54.80% | 10.870% |
| 6 | 8.055 | 1026 | 1039 | 1050 | rBV | 174401 | 400489 | 27.72% | 5.498% |
| 7 | 8.609 | 1121 | 1130 | 1143 | rBV | 548797 | 1073116 | 74.27% | 14.733% |
| 8 | 10.103 | 1367 | 1375 | 1384 | rBV | 842064 | 1444853 | 100.00% | 19.836% |
| 9 | 11.414 | 1581 | 1590 | 1600 | rBV | 721812 | 1198596 | 82.96% | 16.455% |
| 10 | 12.401 | 1745 | 1752 | 1763 | rBV | 510912 | 803025 | 55.58% | 11.025% |
| 11 | 12.584 | 1768 | 1782 | 1791 | rVV10 | 8337 | 33118 | 2.29% | 0.455% |
| 12 | 13.340 | 1899 | 1906 | 1915 | rBV | 610766 | 930076 | 64.37% | 12.769% |
| 13 | 14.529 | 2089 | 2101 | 2107 | rBV8 | 10683 | 33291 | 2.30% | 0.457% |

Sum of corrected areas: 7283934

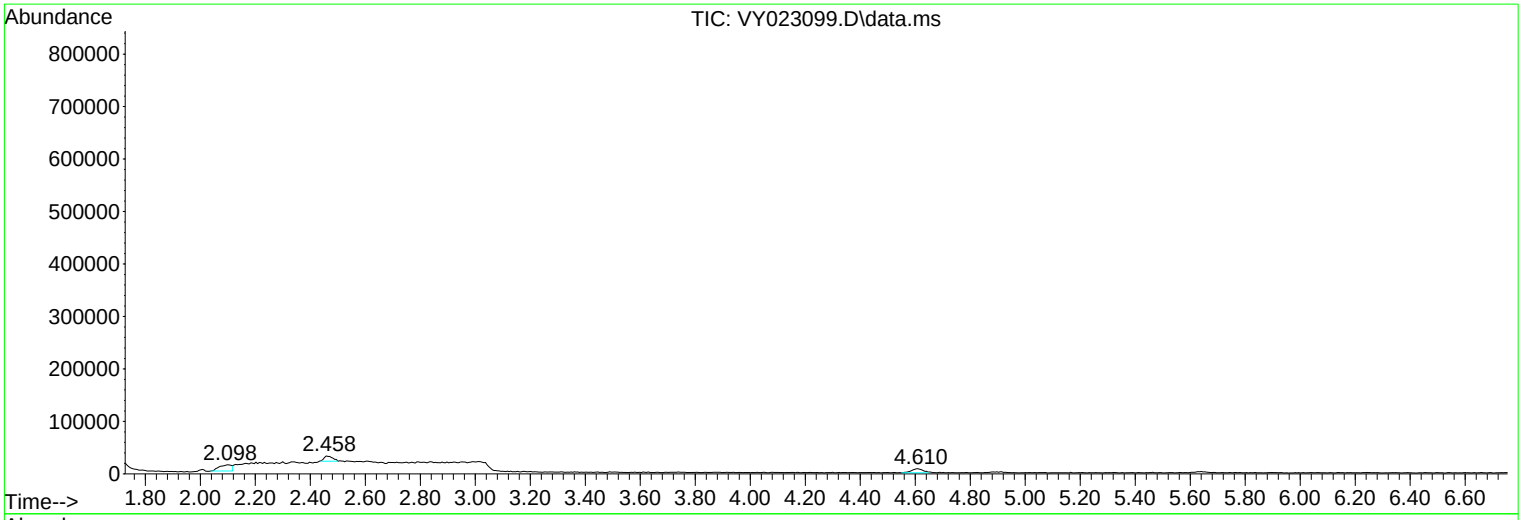
Sample Results: **VY023099.D**

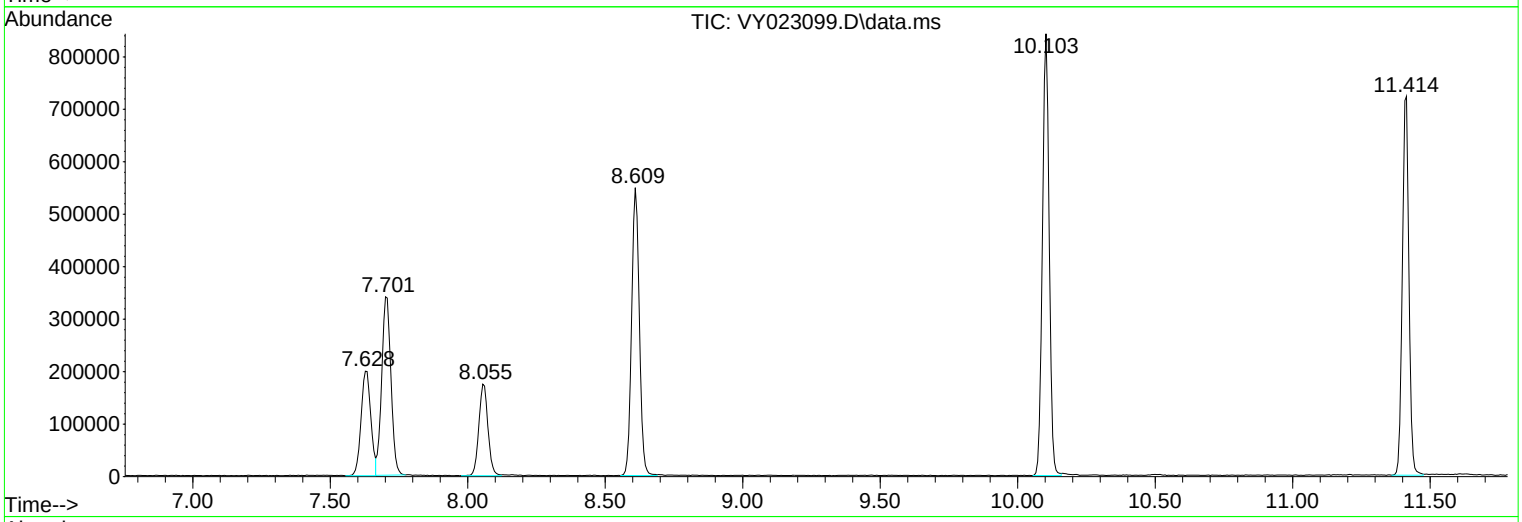
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
Data File : VY023099.D
Acq On : 14 Aug 2025 16:44
Operator : SY/MD
Sample : Q2826-01
Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

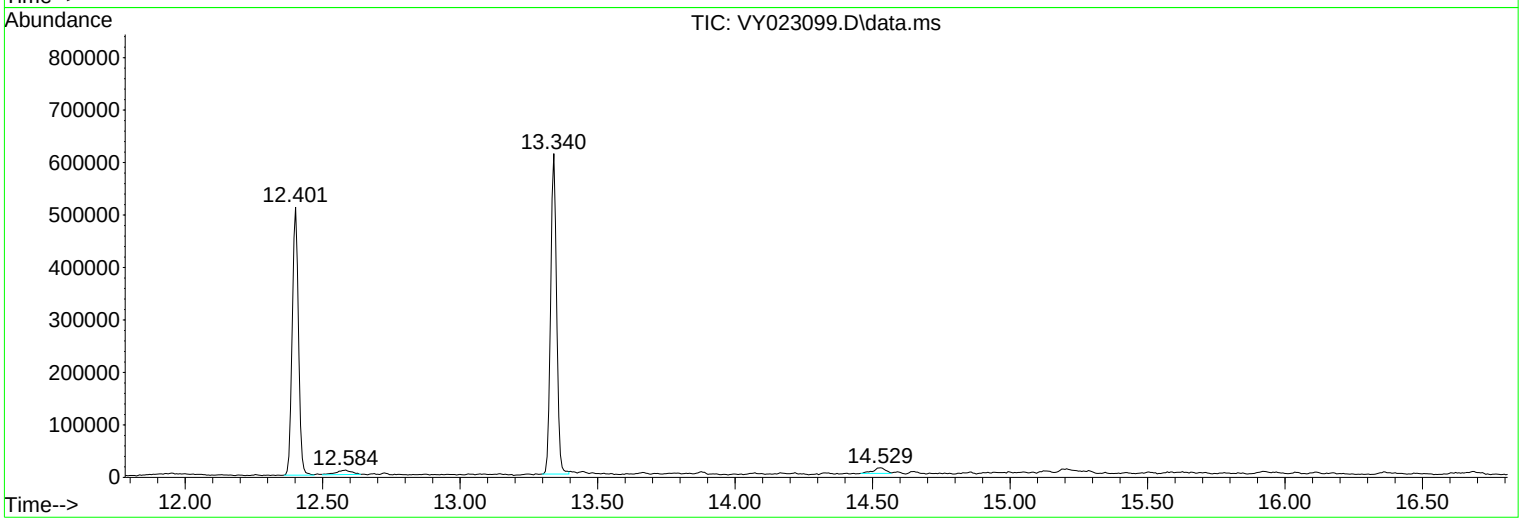
**Instrument :**
MSVOA_Y
**ClientSampleId :**
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY023099.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
Data File : VY023099.D
Acq On : 14 Aug 2025 16:44
Operator : SY/MD
Sample : Q2826-01
Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

A
B
C
D
E
F
G
H
I
J

No Library Search Compounds Detected
**********

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
Data File : VY023099.D
Acq On : 14 Aug 2025 16:44
Operator : SY/MD
Sample : Q2826-01
Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
Data File : VY023085.D
Acq On : 14 Aug 2025 10:50
Operator : SY/MD
Sample : VY0814SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0814SBL01

Quant Time: Aug 14 14:46:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

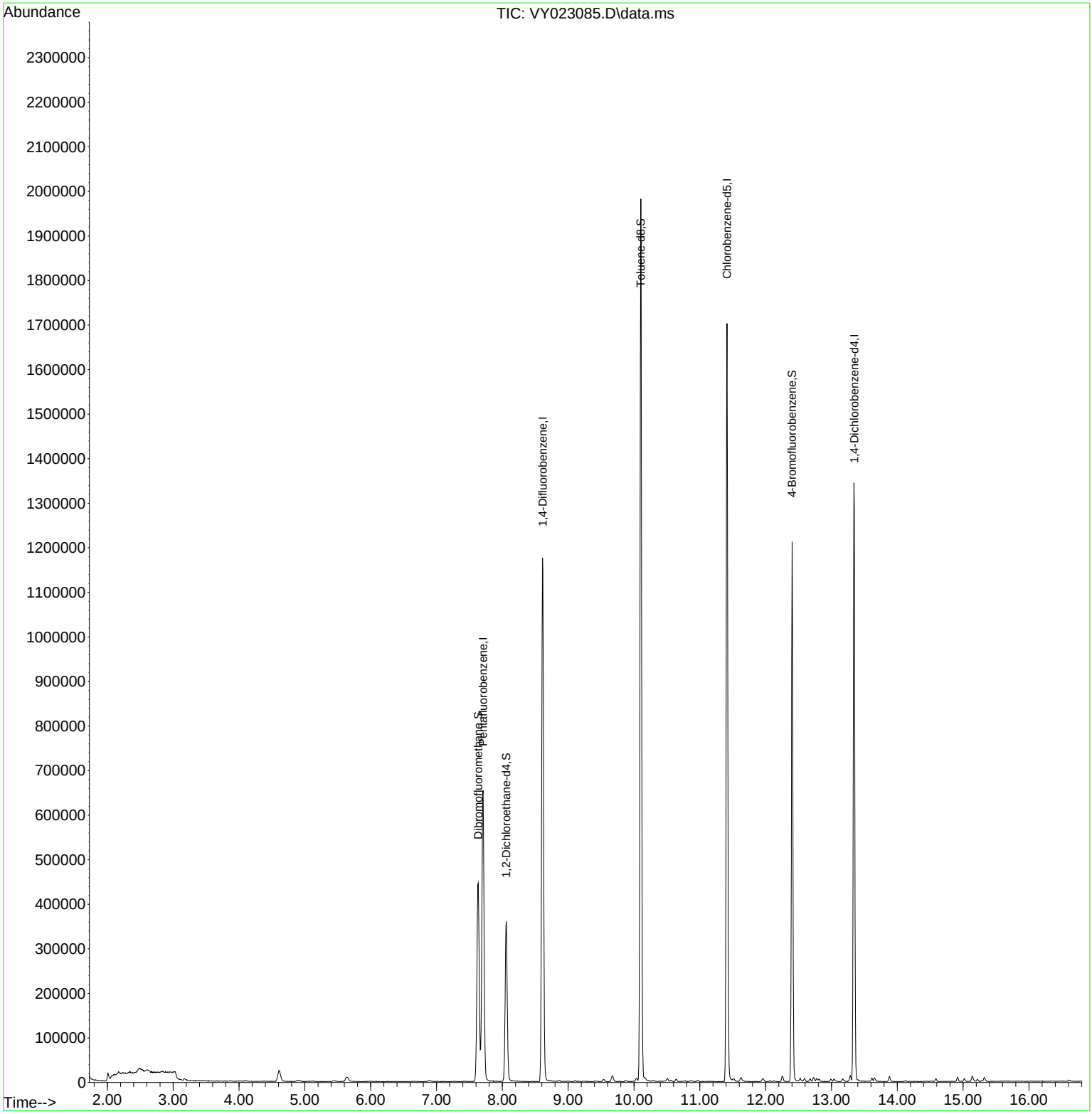
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 514218 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.616 | 114 | 1013413 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 885359 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 340788 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 283810 | 57.910 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 115.820% | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 324298 | 53.480 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 106.960% | | | |
| 50) Toluene-d8 | 10.103 | 98 | 1256505 | 53.041 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 106.080% | | | |
| 62) 4-Bromofluorobenzene | 12.402 | 95 | 343286 | 45.060 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 90.120% | | | |
| Target Compounds | | | | | | Qvalue |

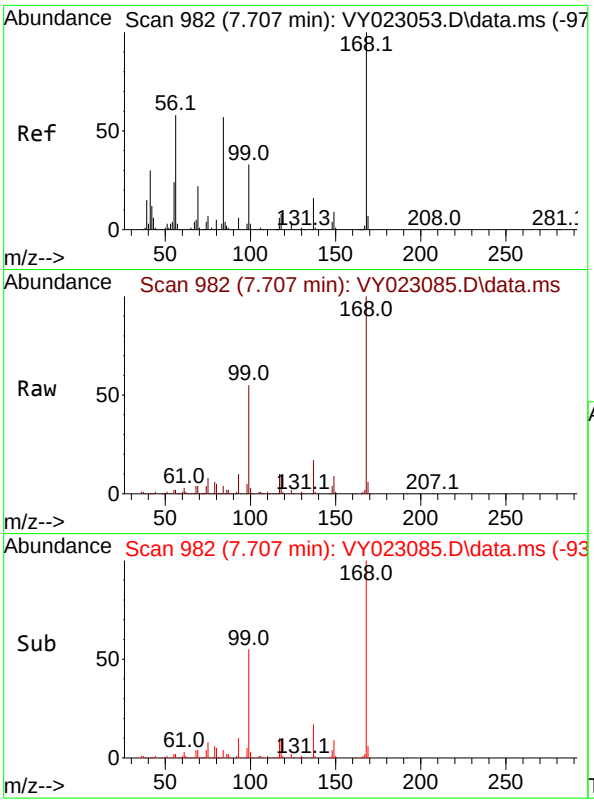
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
Data File : VY023085.D
Acq On : 14 Aug 2025 10:50
Operator : SY/MD
Sample : VY0814SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0814SBL01

Quant Time: Aug 14 14:46:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



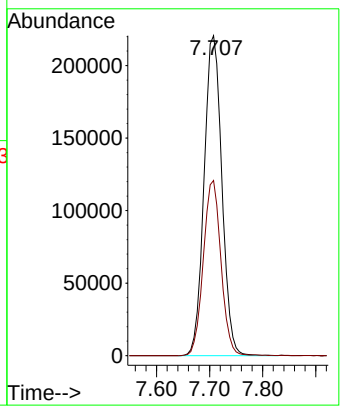


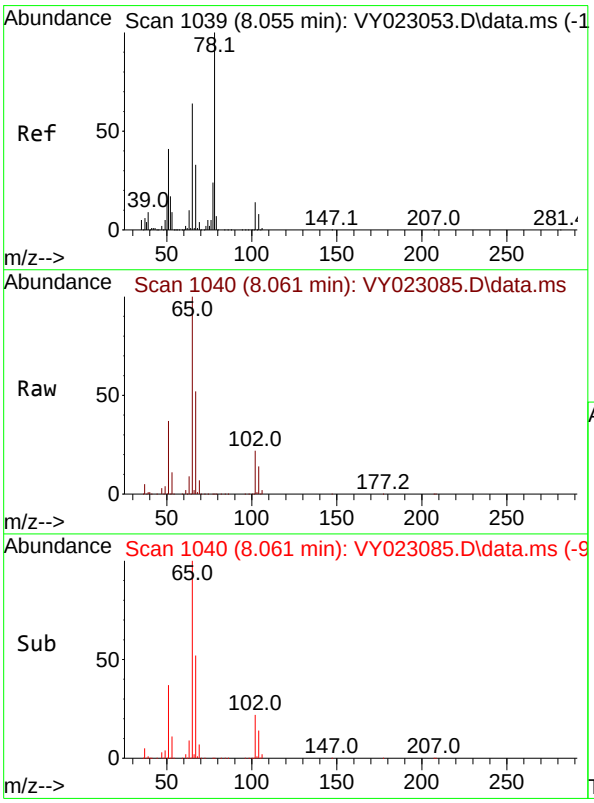

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023085.D
Acq: 14 Aug 2025 10:50

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0814SBL01

Tgt Ion:168 Resp: 514218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 54.8 | 42.8 | 64.2 |

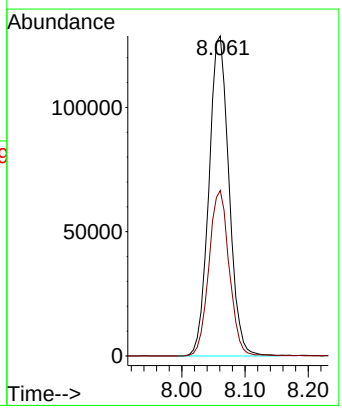


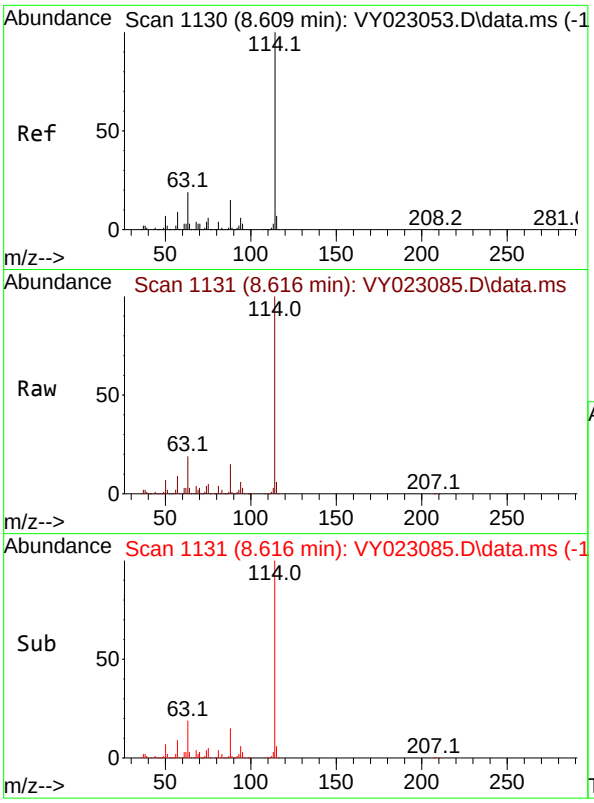




#33
1,2-Dichloroethane-d4
Concen: 57.910 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023085.D
Acq: 14 Aug 2025 10:50

Tgt Ion: 65 Resp: 283810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.3 | 0.0 | 106.8 |



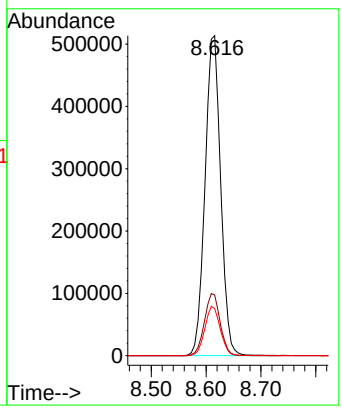


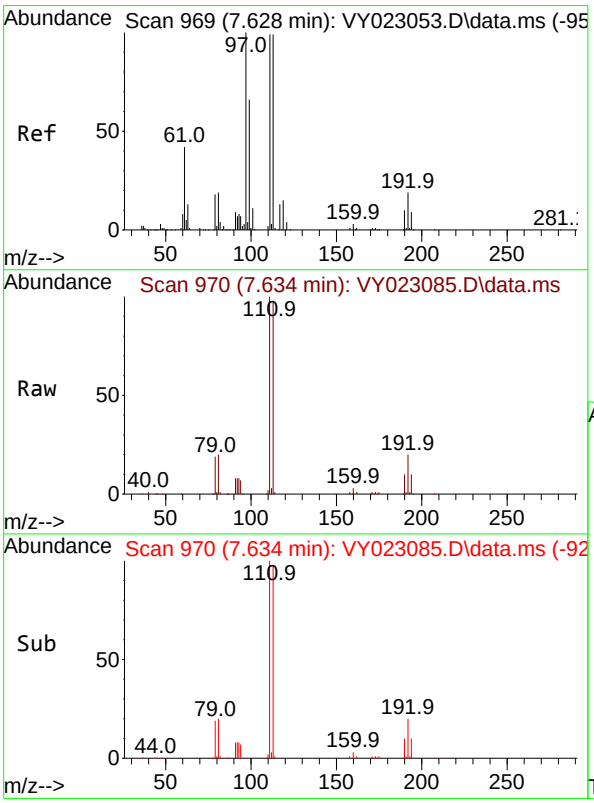

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023085.D
Acq: 14 Aug 2025 10:50

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0814SBL01

Tgt Ion:114 Resp: 1013413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.0 | 0.0 | 38.4 |
| 88 | 14.7 | 0.0 | 30.0 |

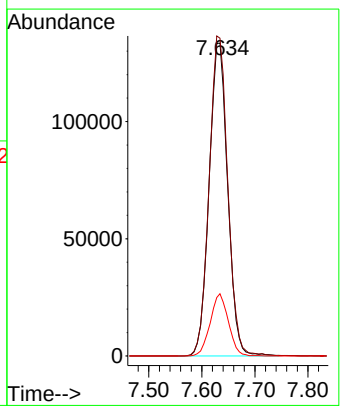


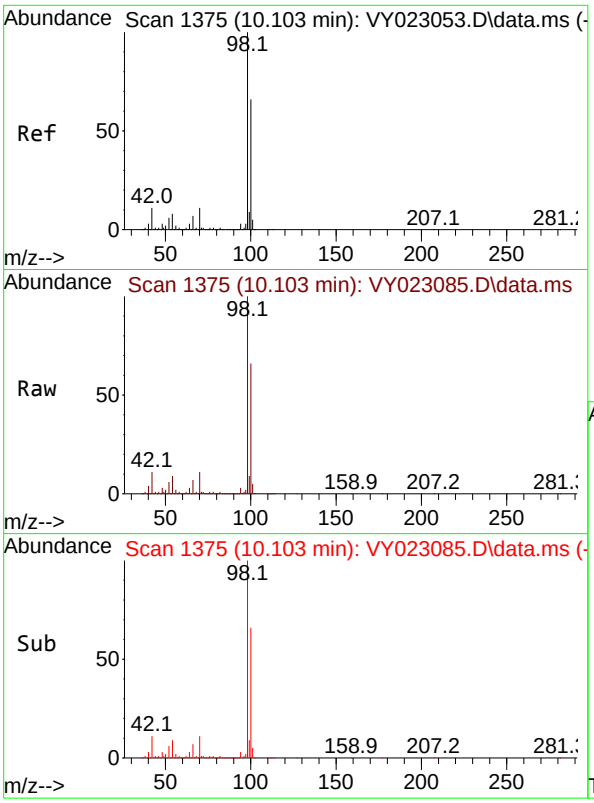




#35
Dibromofluoromethane
Concen: 53.480 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023085.D
Acq: 14 Aug 2025 10:50

Tgt Ion:113 Resp: 324298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.8 | 81.1 | 121.7 |
| 192 | 19.5 | 16.2 | 24.4 |



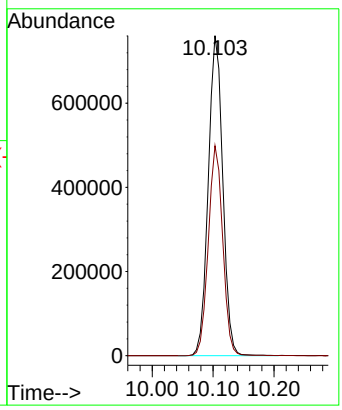


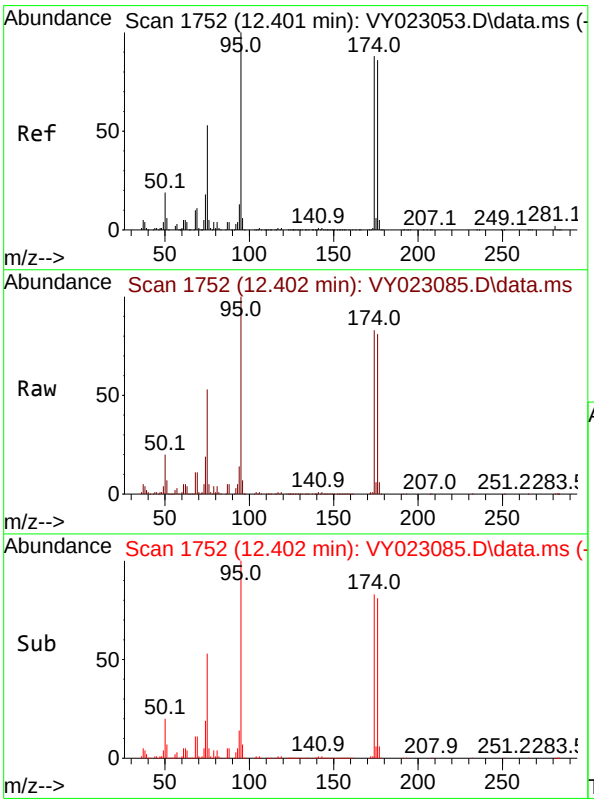

#50
Toluene-d8
Concen: 53.041 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023085.D
Acq: 14 Aug 2025 10:50

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0814SBL01

Tgt Ion: 98 Resp: 1256505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.2 | 52.3 | 78.5 |

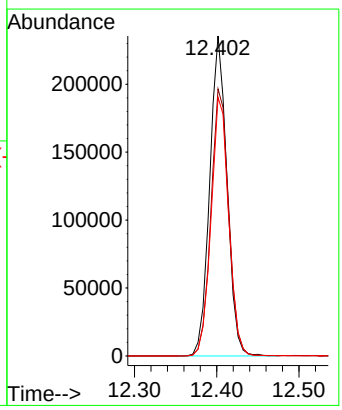


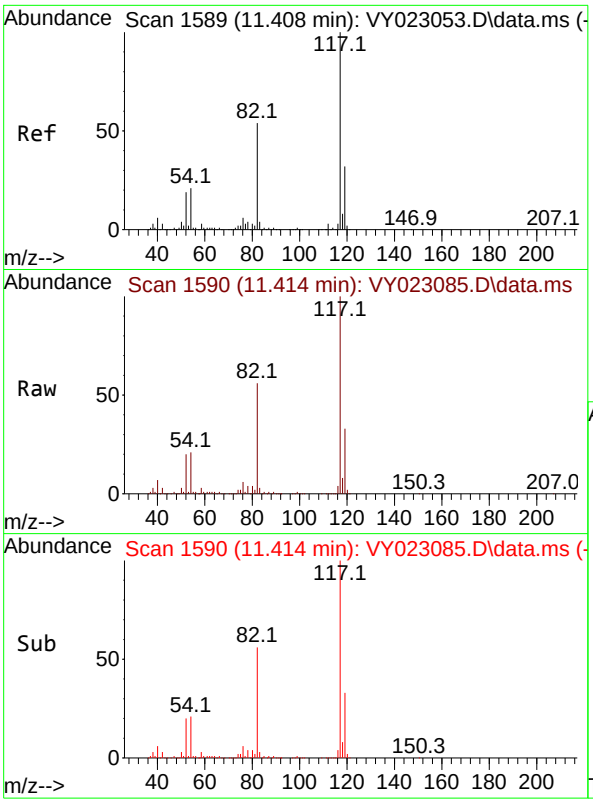




#62
4-Bromofluorobenzene
Concen: 45.060 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023085.D
Acq: 14 Aug 2025 10:50

Tgt Ion: 95 Resp: 343286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 86.0 | 0.0 | 171.6 |
| 176 | 82.4 | 0.0 | 167.6 |



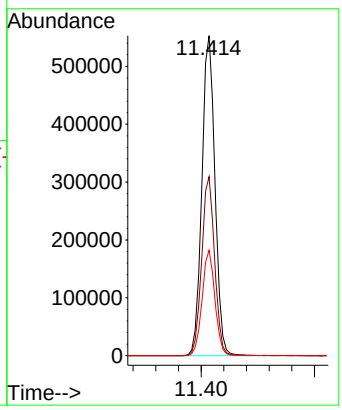


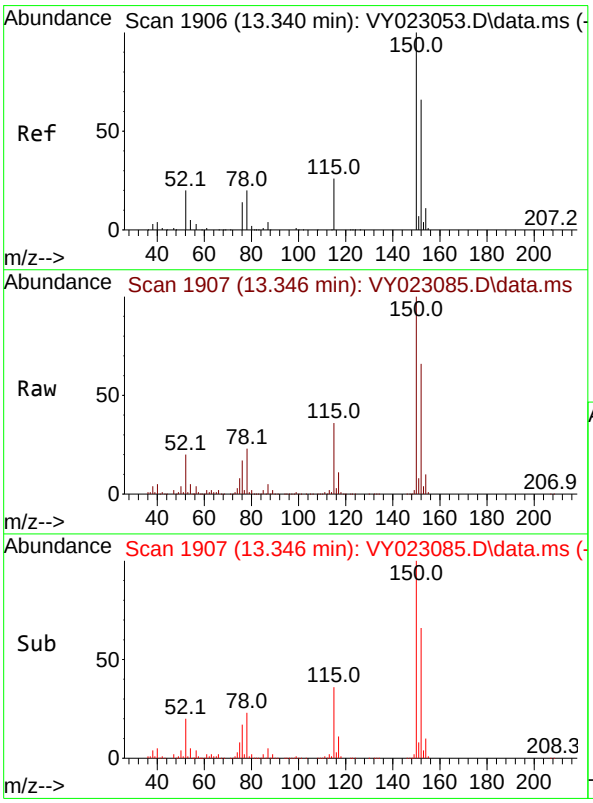

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023085.D
Acq: 14 Aug 2025 10:50

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0814SBL01

Tgt Ion:117 Resp: 885359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.9 | 43.4 | 65.0 |
| 119 | 33.0 | 25.6 | 38.4 |

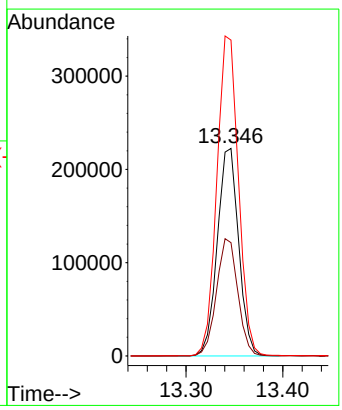



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023085.D
Acq: 14 Aug 2025 10:50

Tgt Ion:152 Resp: 340788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 56.6 | 28.2 | 84.6 |
| 150 | 155.5 | 0.0 | 348.0 |



Sample Results: **VY023085.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
Data File : VY023085.D
Acq On : 14 Aug 2025 10:50
Operator : SY/MD
Sample : VY0814SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0814SBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Title : SW846 8260

Signal : TIC: VY023085.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.007 | 40 | 47 | 53 | rBV | 17742 | 35695 | 1.09% | 0.227% |
| 2 | 4.616 | 465 | 475 | 490 | rVB3 | 24109 | 75411 | 2.30% | 0.480% |
| 3 | 7.634 | 958 | 970 | 975 | rBV | 444498 | 1068603 | 32.61% | 6.796% |
| 4 | 7.707 | 975 | 982 | 1000 | rVB | 652671 | 1528545 | 46.65% | 9.720% |
| 5 | 8.061 | 1027 | 1040 | 1053 | rBV | 358564 | 805913 | 24.60% | 5.125% |
| 6 | 8.610 | 1122 | 1130 | 1142 | rBV | 1175253 | 2337917 | 71.35% | 14.867% |
| 7 | 10.103 | 1368 | 1375 | 1384 | rBV | 1978572 | 3276566 | 100.00% | 20.837% |
| 8 | 11.414 | 1582 | 1590 | 1603 | rBV | 1701540 | 2731421 | 83.36% | 17.370% |
| 9 | 12.402 | 1745 | 1752 | 1763 | rBV | 1210550 | 1800736 | 54.96% | 11.451% |
| 10 | 13.340 | 1900 | 1906 | 1916 | rVB | 1341382 | 2064301 | 63.00% | 13.127% |

Sum of corrected areas: 15725108

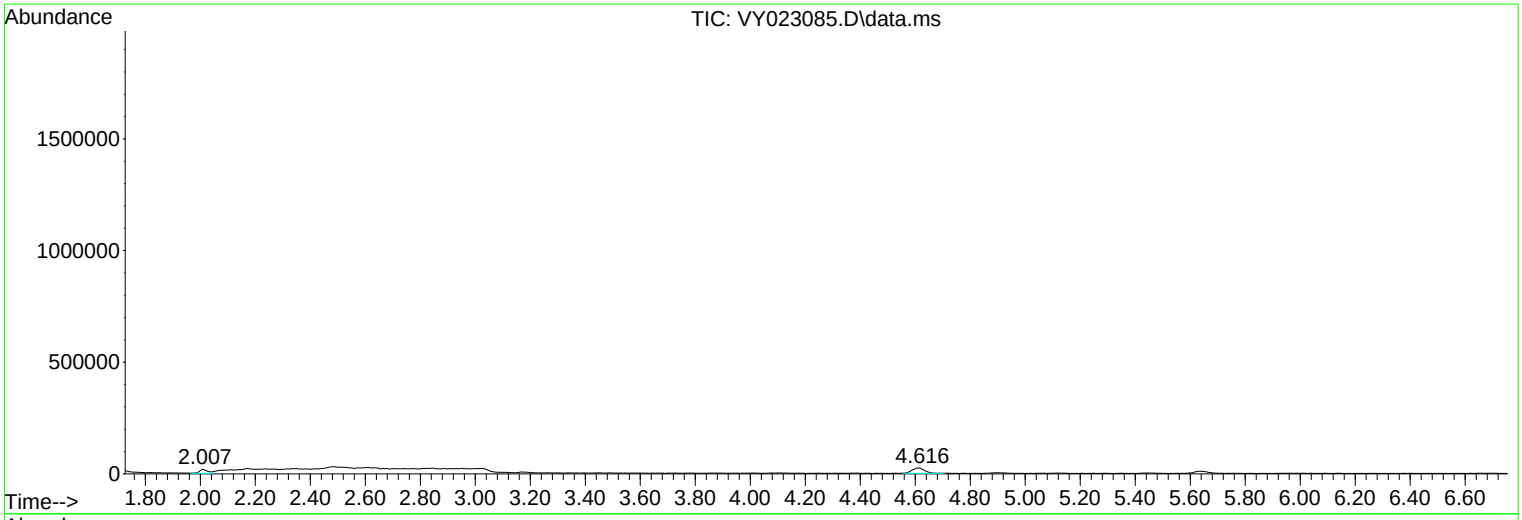
Sample Results: **VY023085.D**

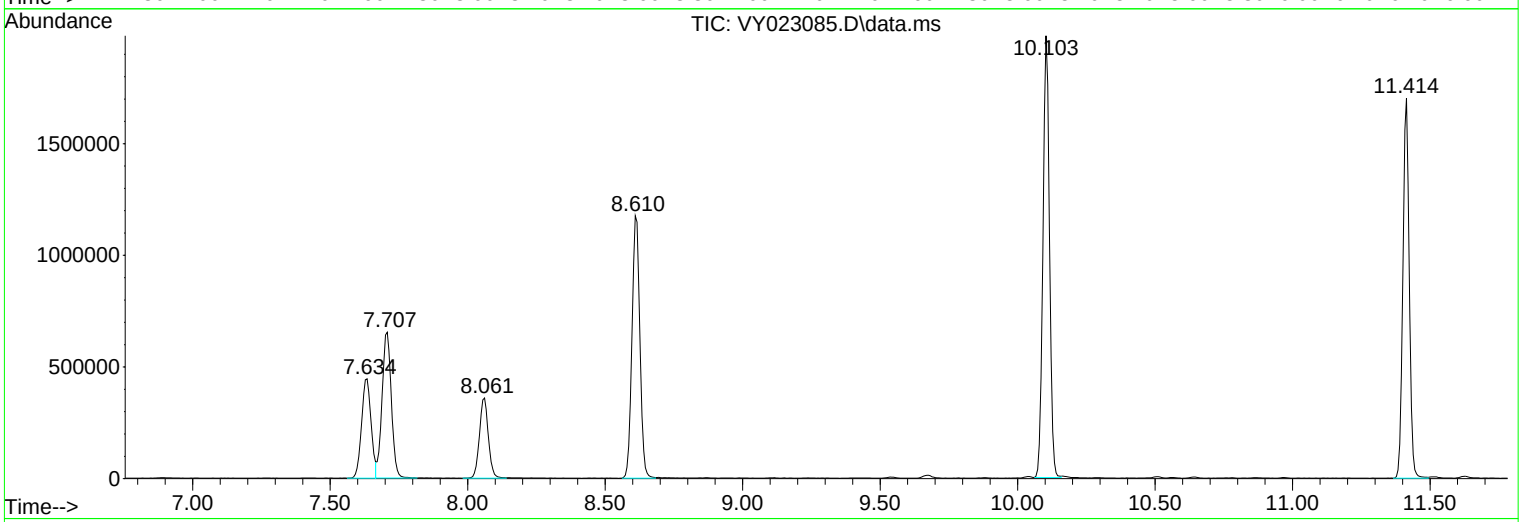
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
Data File : VY023085.D
Acq On : 14 Aug 2025 10:50
Operator : SY/MD
Sample : VY0814SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

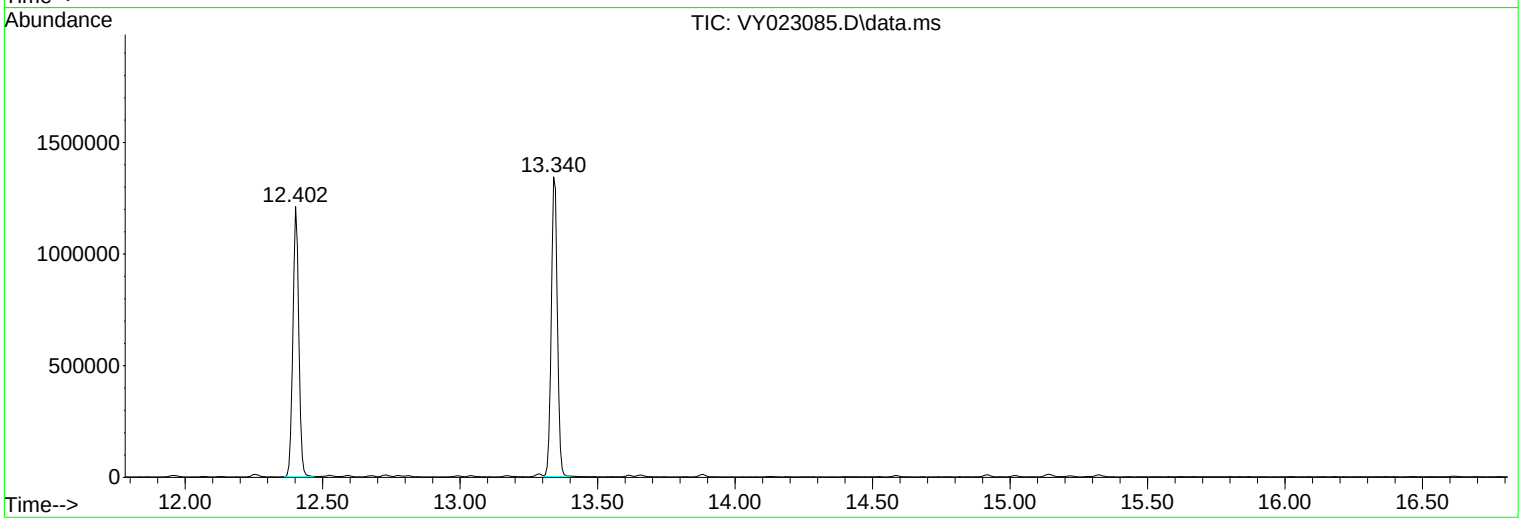
**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0814SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
Data File : VY023085.D
Acq On : 14 Aug 2025 10:50
Operator : SY/MD
Sample : VY0814SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0814SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
**********

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
Data File : VY023085.D
Acq On : 14 Aug 2025 10:50
Operator : SY/MD
Sample : VY0814SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0814SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
Data File : VY023086.D
Acq On : 14 Aug 2025 11:22
Operator : SY/MD
Sample : VY0814SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 14 14:47:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0814SBS01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 455827 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.609 | 114 | 734618 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 641778 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.340 | 152 | 309825 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 218317 | 50.253 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 100.500% | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 220130 | 50.078 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 100.160% | | | |
| 50) Toluene-d8 | 10.103 | 98 | 873299 | 50.855 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 101.720% | | | |
| 62) 4-Bromofluorobenzene | 12.401 | 95 | 263190 | 47.657 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 95.320% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.861 | 85 | 74341 | 19.980 | ug/l | 100 |
| 3) Chloromethane | 2.068 | 50 | 139194 | 23.098 | ug/l | 97 |
| 4) Vinyl Chloride | 2.202 | 62 | 172200 | 23.116 | ug/l | 97 |
| 5) Bromomethane | 2.586 | 94 | 129347 | 23.250 | ug/l | 97 |
| 6) Chloroethane | 2.726 | 64 | 116610 | 23.545 | ug/l | 96 |
| 7) Trichlorofluoromethane | 3.049 | 101 | 197599 | 21.815 | ug/l | 99 |
| 8) Diethyl Ether | 3.452 | 74 | 42819 | 17.867 | ug/l | 93 |
| 9) 1,1,2-Trichlorotrifluo... | 3.812 | 101 | 93242 | 20.865 | ug/l | 98 |
| 10) Methyl Iodide | 3.994 | 142 | 103105 | 21.381 | ug/l | 99 |
| 11) Tert butyl alcohol | 4.860 | 59 | 23075 | 77.519 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 3.781 | 96 | 87863 | 20.003 | ug/l | 98 |
| 13) Acrolein | 3.647 | 56 | 34035 | 78.072 | ug/l | 97 |
| 14) Allyl chloride | 4.372 | 41 | 125844 | 19.470 | ug/l | 97 |
| 15) Acrylonitrile | 5.055 | 53 | 87301 | 89.605 | ug/l | 98 |
| 16) Acetone | 3.866 | 43 | 88645 | 94.185 | ug/l | 94 |
| 17) Carbon Disulfide | 4.098 | 76 | 295393 | 20.624 | ug/l | 99 |
| 18) Methyl Acetate | 4.385 | 43 | 49793 | 17.778 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 5.116 | 73 | 204114 | 17.932 | ug/l | 99 |
| 20) Methylene Chloride | 4.610 | 84 | 107429 | 20.355 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 5.110 | 96 | 99704 | 20.198 | ug/l | 98 |
| 22) Diisopropyl ether | 6.012 | 45 | 279897 | 19.929 | ug/l | 96 |
| 23) Vinyl Acetate | 5.957 | 43 | 703379 | 90.570 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 5.909 | 63 | 177456 | 20.666 | ug/l | 100 |
| 25) 2-Butanone | 6.890 | 43 | 113667 | 88.799 | ug/l | 95 |
| 26) 2,2-Dichloropropane | 6.878 | 77 | 150616 | 20.328 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 6.884 | 96 | 114706 | 20.100 | ug/l | 99 |
| 28) Bromochloromethane | 7.244 | 49 | 69276 | 20.335 | ug/l | 96 |
| 29) Tetrahydrofuran | 7.262 | 42 | 67731 | 85.363 | ug/l | 95 |
| 30) Chloroform | 7.415 | 83 | 182352 | 20.591 | ug/l | 96 |
| 31) Cyclohexane | 7.695 | 56 | 156917 | 19.392 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 7.616 | 97 | 161426 | 20.543 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 7.829 | 75 | 131067 | 20.063 | ug/l | 99 |
| 37) Ethyl Acetate | 6.982 | 43 | 45793 | 16.687 | ug/l | 98 |
| 38) Carbon Tetrachloride | 7.817 | 117 | 142349 | 20.062 | ug/l | 98 |
| 39) Methylcyclohexane | 9.109 | 83 | 160783 | 18.690 | ug/l | 97 |
| 40) Benzene | 8.073 | 78 | 408860 | 20.306 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
Data File : VY023086.D
Acq On : 14 Aug 2025 11:22
Operator : SY/MD
Sample : VY0814SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 14 14:47:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0814SBS01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.213 | 41 | 23134 | 14.607 | ug/l | # | 86 |
| 42) 1,2-Dichloroethane | 8.152 | 62 | 104577 | 19.970 | ug/l | | 98 |
| 43) Isopropyl Acetate | 8.195 | 43 | 95745 | 17.262 | ug/l | | 98 |
| 44) Trichloroethene | 8.859 | 130 | 106605 | 20.488 | ug/l | | 98 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 95447 | 20.603 | ug/l | | 99 |
| 46) Dibromomethane | 9.225 | 93 | 51967 | 19.543 | ug/l | | 97 |
| 47) Bromodichloromethane | 9.420 | 83 | 137131 | 20.042 | ug/l | | 98 |
| 48) Methyl methacrylate | 9.219 | 41 | 45987 | 17.327 | ug/l | | 98 |
| 49) 1,4-Dioxane | 9.225 | 88 | 10785 | 345.913 | ug/l | # | 94 |
| 51) 4-Methyl-2-Pentanone | 9.993 | 43 | 238881 | 83.495 | ug/l | | 97 |
| 52) Toluene | 10.164 | 92 | 252944 | 19.780 | ug/l | | 97 |
| 53) t-1,3-Dichloropropene | 10.390 | 75 | 114364 | 18.458 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 9.853 | 75 | 141980 | 19.379 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 10.566 | 97 | 66658 | 18.734 | ug/l | | 97 |
| 56) Ethyl methacrylate | 10.438 | 69 | 75122 | 16.500 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 10.713 | 76 | 114859 | 19.034 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.707 | 63 | 187201 | 87.167 | ug/l | | 100 |
| 59) 2-Hexanone | 10.755 | 43 | 159619 | 81.934 | ug/l | | 98 |
| 60) Dibromochloromethane | 10.908 | 129 | 88354 | 18.819 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 11.011 | 107 | 61746 | 18.463 | ug/l | | 100 |
| 64) Tetrachloroethene | 10.646 | 164 | 123429 | 21.538 | ug/l | | 98 |
| 65) Chlorobenzene | 11.438 | 112 | 272937 | 19.716 | ug/l | | 95 |
| 66) 1,1,1,2-Tetrachloroethane | 11.511 | 131 | 93115 | 19.819 | ug/l | | 98 |
| 67) Ethyl Benzene | 11.517 | 91 | 461952 | 19.391 | ug/l | | 100 |
| 68) m/p-Xylenes | 11.627 | 106 | 362129 | 38.921 | ug/l | | 98 |
| 69) o-Xylene | 11.950 | 106 | 165485 | 18.990 | ug/l | | 97 |
| 70) Styrene | 11.963 | 104 | 273749 | 19.209 | ug/l | | 99 |
| 71) Bromoform | 12.127 | 173 | 49863 | 18.159 | ug/l | # | 100 |
| 73) Isopropylbenzene | 12.249 | 105 | 423027 | 19.345 | ug/l | | 99 |
| 74) N-amyl acetate | 12.066 | 43 | 78613 | 16.952 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 12.499 | 83 | 64150 | 17.181 | ug/l | | 94 |
| 76) 1,2,3-Trichloropropane | 12.554 | 75 | 54979m | 18.387 | ug/l | | |
| 77) Bromobenzene | 12.529 | 156 | 100851 | 19.332 | ug/l | | 98 |
| 78) n-propylbenzene | 12.590 | 91 | 520711 | 20.001 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.676 | 91 | 297769 | 19.962 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.731 | 105 | 348710 | 19.731 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.298 | 75 | 21491 | 17.398 | ug/l | | 94 |
| 82) 4-Chlorotoluene | 12.773 | 91 | 312655 | 20.205 | ug/l | | 98 |
| 83) tert-Butylbenzene | 12.993 | 119 | 303222 | 18.997 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 13.036 | 105 | 351003 | 19.952 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.170 | 105 | 458024 | 19.534 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.285 | 119 | 374466 | 19.240 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.279 | 146 | 200869 | 19.525 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.359 | 146 | 200293 | 19.626 | ug/l | | 98 |
| 89) n-Butylbenzene | 13.615 | 91 | 344791 | 19.289 | ug/l | | 98 |
| 90) Hexachloroethane | 13.877 | 117 | 80689 | 20.252 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 13.651 | 146 | 172852 | 19.158 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.267 | 75 | 9872 | 16.982 | ug/l | | 95 |
| 93) 1,2,4-Trichlorobenzene | 14.913 | 180 | 93915 | 17.602 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.017 | 225 | 58299 | 18.595 | ug/l | | 98 |
| 95) Naphthalene | 15.139 | 128 | 142271 | 15.638 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.322 | 180 | 79576 | 17.308 | ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
Data File : VY023086.D
Acq On : 14 Aug 2025 11:22
Operator : SY/MD
Sample : VY0814SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 14 14:47:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0814SBS01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

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

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

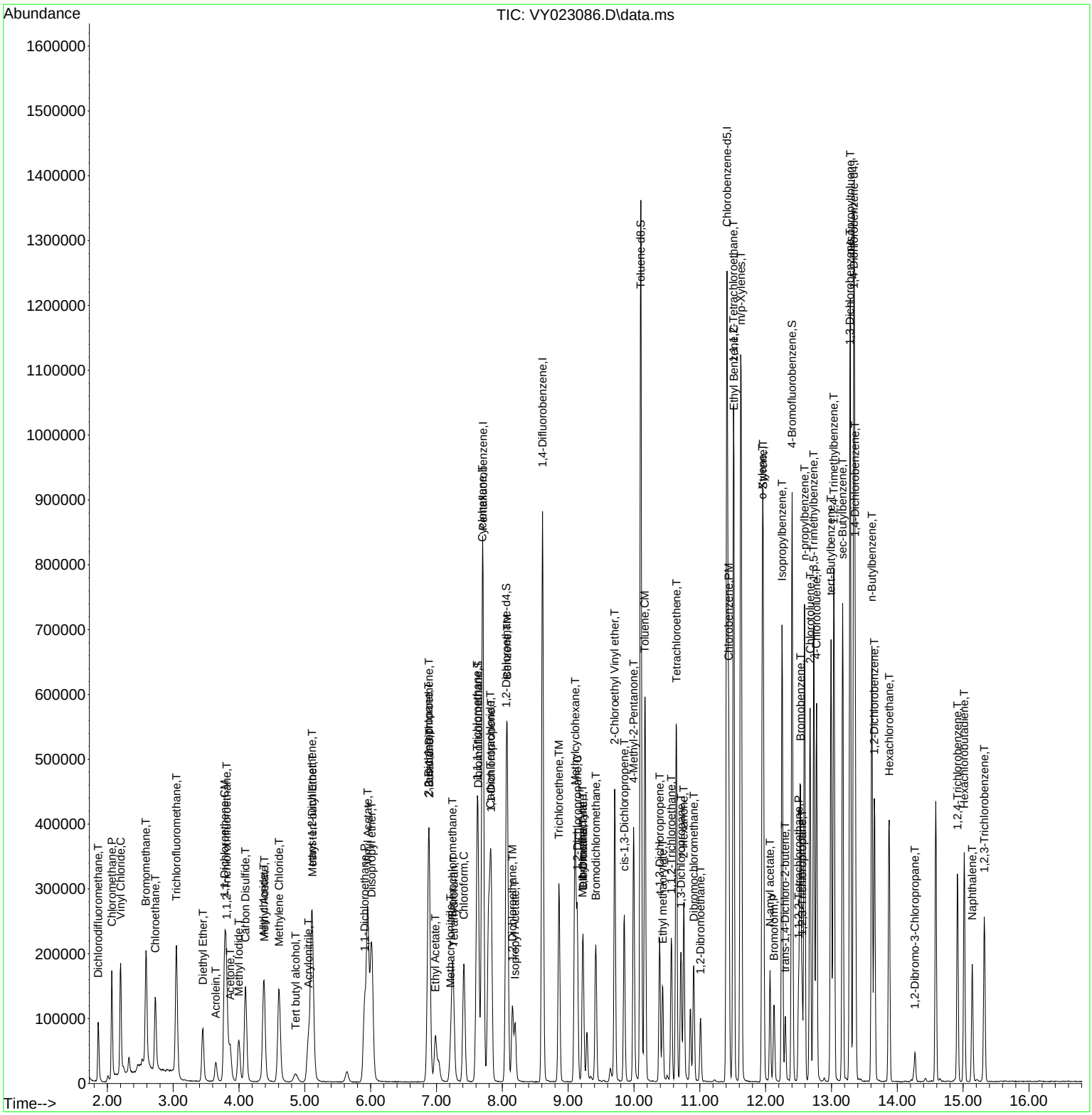
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
Data File : VY023086.D
Acq On : 14 Aug 2025 11:22
Operator : SY/MD
Sample : VY0814SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0814SBS01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
Data File : VY023087.D
Acq On : 14 Aug 2025 11:45
Operator : SY/MD
Sample : VY0814SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 14:47:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0814SBSD01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 440114 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.609 | 114 | 717756 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 626725 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.340 | 152 | 312365 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 227362 | 54.204 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 108.400% | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 225892 | 52.596 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 105.200% | | | |
| 50) Toluene-d8 | 10.103 | 98 | 884197 | 52.699 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 105.400% | | | |
| 62) 4-Bromofluorobenzene | 12.401 | 95 | 273855 | 50.753 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 101.500% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.867 | 85 | 77892 | 21.682 | ug/l | 99 |
| 3) Chloromethane | 2.068 | 50 | 142644 | 24.515 | ug/l | 98 |
| 4) Vinyl Chloride | 2.202 | 62 | 175924 | 24.459 | ug/l | 98 |
| 5) Bromomethane | 2.592 | 94 | 135494 | 25.224 | ug/l | 96 |
| 6) Chloroethane | 2.732 | 64 | 117427 | 24.557 | ug/l | 99 |
| 7) Trichlorofluoromethane | 3.049 | 101 | 192015 | 21.955 | ug/l | 99 |
| 8) Diethyl Ether | 3.452 | 74 | 46584 | 20.132 | ug/l | 96 |
| 9) 1,1,2-Trichlorotrifluo... | 3.812 | 101 | 94999 | 22.017 | ug/l | 99 |
| 10) Methyl Iodide | 4.000 | 142 | 111759 | 24.003 | ug/l | 97 |
| 11) Tert butyl alcohol | 4.860 | 59 | 26645 | 92.708 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 3.787 | 96 | 90215 | 21.272 | ug/l | 98 |
| 13) Acrolein | 3.653 | 56 | 38323 | 91.047 | ug/l | 93 |
| 14) Allyl chloride | 4.378 | 41 | 129279 | 20.716 | ug/l | 99 |
| 15) Acrylonitrile | 5.055 | 53 | 96070 | 102.126 | ug/l | 99 |
| 16) Acetone | 3.866 | 43 | 92571 | 101.868 | ug/l | 96 |
| 17) Carbon Disulfide | 4.104 | 76 | 304061 | 21.988 | ug/l | 100 |
| 18) Methyl Acetate | 4.385 | 43 | 56068 | 20.733 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 5.110 | 73 | 221092 | 20.118 | ug/l | 98 |
| 20) Methylene Chloride | 4.610 | 84 | 114447 | 22.756 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 5.110 | 96 | 102154 | 21.433 | ug/l | 98 |
| 22) Diisopropyl ether | 6.012 | 45 | 291470 | 21.494 | ug/l | 95 |
| 23) Vinyl Acetate | 5.957 | 43 | 766046 | 102.161 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 5.909 | 63 | 182539 | 22.017 | ug/l | 99 |
| 25) 2-Butanone | 6.890 | 43 | 122644 | 99.233 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 6.878 | 77 | 155065 | 21.675 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 6.884 | 96 | 117893 | 21.396 | ug/l | 100 |
| 28) Bromochloromethane | 7.244 | 49 | 72174 | 21.942 | ug/l | 98 |
| 29) Tetrahydrofuran | 7.256 | 42 | 75422 | 98.450 | ug/l | 98 |
| 30) Chloroform | 7.421 | 83 | 188562 | 22.052 | ug/l | 97 |
| 31) Cyclohexane | 7.701 | 56 | 160740 | 20.574 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 7.616 | 97 | 164781 | 21.719 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 7.835 | 75 | 132790 | 20.805 | ug/l | 99 |
| 37) Ethyl Acetate | 6.988 | 43 | 52482 | 19.574 | ug/l | 98 |
| 38) Carbon Tetrachloride | 7.811 | 117 | 145254 | 20.953 | ug/l | 97 |
| 39) Methylcyclohexane | 9.103 | 83 | 165962 | 19.745 | ug/l | 100 |
| 40) Benzene | 8.079 | 78 | 422488 | 21.476 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
Data File : VY023087.D
Acq On : 14 Aug 2025 11:45
Operator : SY/MD
Sample : VY0814SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 14:47:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0814SBSD01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.219 | 41 | 28185 | 18.215 | ug/l | | 93 |
| 42) 1,2-Dichloroethane | 8.152 | 62 | 107615 | 21.033 | ug/l | | 99 |
| 43) Isopropyl Acetate | 8.195 | 43 | 105845 | 19.532 | ug/l | | 100 |
| 44) Trichloroethene | 8.859 | 130 | 105099 | 20.673 | ug/l | | 95 |
| 45) 1,2-Dichloropropane | 9.140 | 63 | 96326 | 21.281 | ug/l | | 98 |
| 46) Dibromomethane | 9.231 | 93 | 54207 | 20.865 | ug/l | | 96 |
| 47) Bromodichloromethane | 9.420 | 83 | 142496 | 21.316 | ug/l | | 98 |
| 48) Methyl methacrylate | 9.219 | 41 | 50034 | 19.294 | ug/l | | 99 |
| 49) 1,4-Dioxane | 9.225 | 88 | 12367 | 405.972 | ug/l | | 97 |
| 51) 4-Methyl-2-Pentanone | 9.993 | 43 | 269803 | 96.519 | ug/l | | 99 |
| 52) Toluene | 10.170 | 92 | 263665 | 21.103 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 10.390 | 75 | 123723 | 20.438 | ug/l | | 96 |
| 54) cis-1,3-Dichloropropene | 9.853 | 75 | 147619 | 20.622 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 10.566 | 97 | 71850 | 20.668 | ug/l | | 98 |
| 56) Ethyl methacrylate | 10.438 | 69 | 82052 | 18.445 | ug/l | | 96 |
| 57) 1,3-Dichloropropane | 10.713 | 76 | 120349 | 20.413 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.707 | 63 | 207183 | 98.737 | ug/l | | 100 |
| 59) 2-Hexanone | 10.755 | 43 | 181752 | 95.486 | ug/l | | 97 |
| 60) Dibromochloromethane | 10.908 | 129 | 93374 | 20.356 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 11.011 | 107 | 67027 | 20.513 | ug/l | | 99 |
| 64) Tetrachloroethene | 10.646 | 164 | 109781 | 19.617 | ug/l | | 98 |
| 65) Chlorobenzene | 11.438 | 112 | 285369 | 21.110 | ug/l | | 96 |
| 66) 1,1,1,2-Tetrachloroethane | 11.511 | 131 | 96112 | 20.948 | ug/l | | 99 |
| 67) Ethyl Benzene | 11.517 | 91 | 474005 | 20.375 | ug/l | | 97 |
| 68) m/p-Xylenes | 11.627 | 106 | 378562 | 41.664 | ug/l | | 99 |
| 69) o-Xylene | 11.950 | 106 | 174623 | 20.520 | ug/l | | 100 |
| 70) Styrene | 11.962 | 104 | 286979 | 20.621 | ug/l | | 100 |
| 71) Bromoform | 12.127 | 173 | 54324 | 20.259 | ug/l | # | 100 |
| 73) Isopropylbenzene | 12.249 | 105 | 442723 | 20.081 | ug/l | | 100 |
| 74) N-amyl acetate | 12.066 | 43 | 87193 | 18.650 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 12.499 | 83 | 78539 | 20.864 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.548 | 75 | 48092m | 15.953 | ug/l | | |
| 77) Bromobenzene | 12.529 | 156 | 105005 | 19.964 | ug/l | | 97 |
| 78) n-propylbenzene | 12.590 | 91 | 548250 | 20.888 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.676 | 91 | 309929 | 20.609 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.731 | 105 | 367513 | 20.626 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.298 | 75 | 23035 | 18.496 | ug/l | | 94 |
| 82) 4-Chlorotoluene | 12.773 | 91 | 325249 | 20.848 | ug/l | | 100 |
| 83) tert-Butylbenzene | 12.993 | 119 | 326740 | 20.304 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 13.035 | 105 | 367984 | 20.747 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.170 | 105 | 489089 | 20.690 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.285 | 119 | 403954 | 20.587 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.285 | 146 | 217547 | 20.974 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 13.359 | 146 | 213512 | 20.752 | ug/l | | 98 |
| 89) n-Butylbenzene | 13.615 | 91 | 371218 | 20.598 | ug/l | | 98 |
| 90) Hexachloroethane | 13.871 | 117 | 84649 | 21.074 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 13.651 | 146 | 188585 | 20.732 | ug/l | | 97 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.267 | 75 | 11291 | 19.265 | ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 14.913 | 180 | 103325 | 19.208 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.017 | 225 | 64258 | 20.329 | ug/l | | 98 |
| 95) Naphthalene | 15.139 | 128 | 168186 | 18.336 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.322 | 180 | 88181 | 19.024 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
Data File : VY023087.D
Acq On : 14 Aug 2025 11:45
Operator : SY/MD
Sample : VY0814SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 14:47:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0814SBSD01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025

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

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

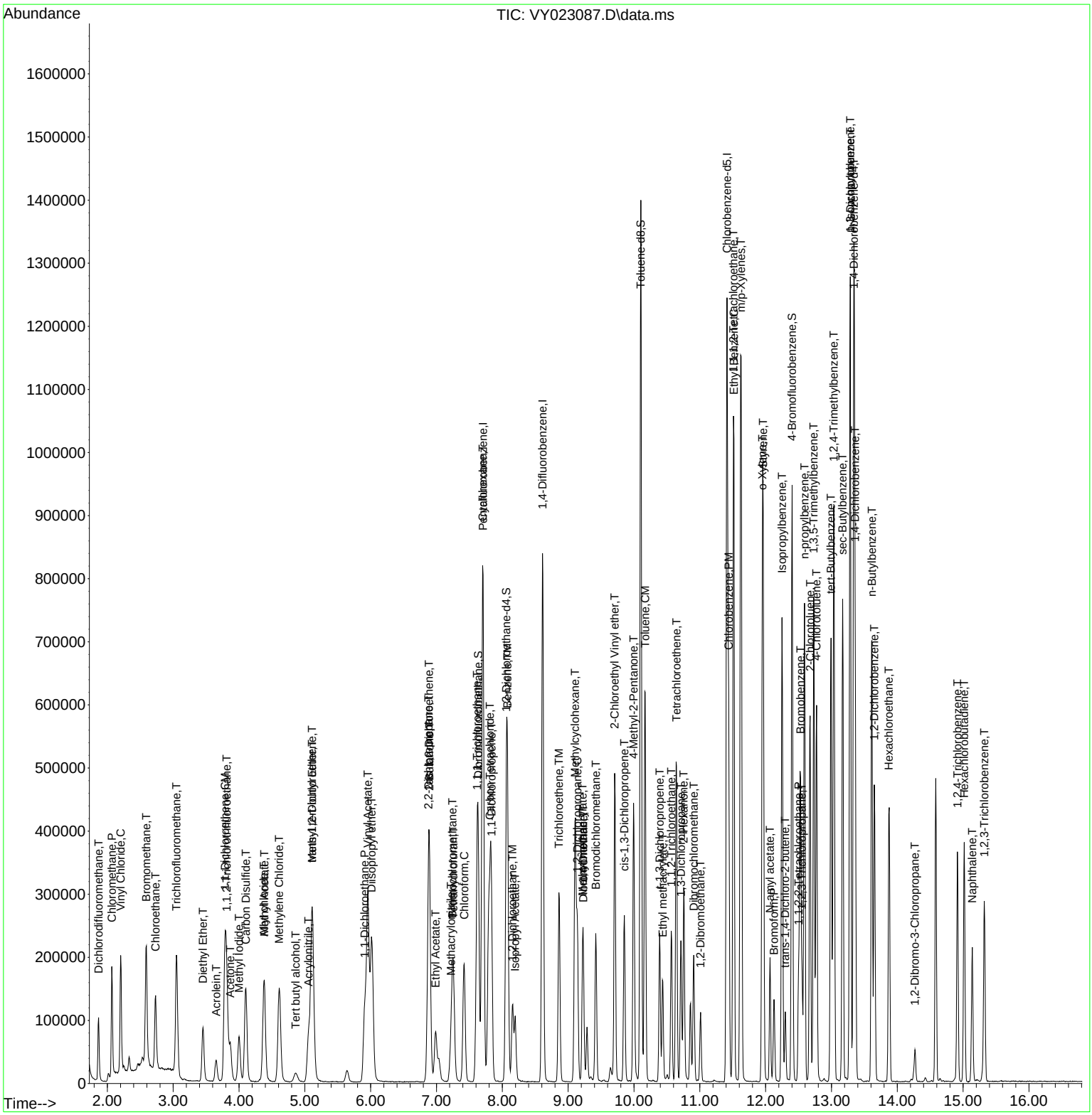
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081425\
Data File : VY023087.D
Acq On : 14 Aug 2025 11:45
Operator : SY/MD
Sample : VY0814SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 14:47:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0814SBSD01

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 08/19/2025
Supervised By :Mahesh Dadoda 08/19/2025



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

# Manual Integration Report

| Sequence: | VY081225 | Instrument | MSVOA_y |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDICC005 | VY023050.D | 1,2,3-Trichloropropane | MMDadoda | 8/14/2025 7:33:57 PM | SAM | 8/14/2025 7:43:56 PM | Peak Integrated by Software |
| VSTDICC005 | VY023050.D | Methacrylonitrile | MMDadoda | 8/14/2025 7:33:57 PM | SAM | 8/14/2025 7:43:56 PM | Peak Integrated by Software |
| VSTDICC010 | VY023051.D | 1,2,3-Trichloropropane | MMDadoda | 8/14/2025 7:34:06 PM | SAM | 8/14/2025 7:43:57 PM | Peak Integrated by Software |
| VSTDICC020 | VY023052.D | 1,2,3-Trichloropropane | MMDadoda | 8/14/2025 7:34:08 PM | SAM | 8/14/2025 7:43:59 PM | Peak Integrated by Software |
| VSTDICC020 | VY023052.D | Methacrylonitrile | MMDadoda | 8/14/2025 7:34:08 PM | SAM | 8/14/2025 7:43:59 PM | Peak Integrated by Software |
| VSTDICCC050 | VY023053.D | 1,2,3-Trichloropropane | MMDadoda | 8/14/2025 7:34:10 PM | SAM | 8/14/2025 7:44:00 PM | Peak Integrated by Software |
| VSTDICC100 | VY023054.D | 1,2,3-Trichloropropane | MMDadoda | 8/14/2025 7:34:12 PM | SAM | 8/14/2025 7:44:02 PM | Peak Integrated by Software |
| VSTDICC150 | VY023055.D | 1,2,3-Trichloropropane | MMDadoda | 8/14/2025 7:34:15 PM | SAM | 8/14/2025 7:44:04 PM | Peak Integrated by Software |
| VSTDICV050 | VY023057.D | 1,2,3-Trichloropropane | MMDadoda | 8/14/2025 7:34:16 PM | SAM | 8/14/2025 7:44:06 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | VY081425 | Instrument | MSVOA_y |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDCCC050 | VY023084.D | 1,2,3-Trichloropropane | SAM | 8/19/2025 4:18:21 AM | MMDadoda | 8/19/2025 4:22:49 AM | Peak Integrated by Software |
| VY0814SBS01 | VY023086.D | 1,2,3-Trichloropropane | SAM | 8/19/2025 4:18:23 AM | MMDadoda | 8/19/2025 4:22:50 AM | Peak Integrated by Software |
| VY0814SBSD01 | VY023087.D | 1,2,3-Trichloropropane | SAM | 8/19/2025 4:18:24 AM | MMDadoda | 8/19/2025 4:22:52 AM | Peak Integrated by Software |
| VSTDCCC050 | VY023109.D | 1,2,3-Trichloropropane | SAM | 8/19/2025 4:18:27 AM | MMDadoda | 8/19/2025 4:22:53 AM | Peak Integrated by Software |

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Fax : 908 789 8922

**Instrument ID: MSVOA_Y**

## Daily Analysis Runlog For Sequence/QCBatch ID # VY081225

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Mahesh Dadoda | Review On | 8/14/2025 7:34:22 PM | | | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 8/14/2025 7:44:13 PM | | | | |
| SubDirectory | VY081225 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y081225s.m | | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135083 |
| Initial Calibration Stds | VP135084,VP135085,VP135086,VP135087,VP135088,VP135089 |
| CCC | |
| Internal Standard/PEM | VP133934 |
| ICV/I.BLK | VP135090 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VY023048.D | 12 Aug 2025 08:26 | SY/MD | Ok |
| 2 | VSTDICC005 | VY023049.D | 12 Aug 2025 14:32 | SY/MD | Not Ok |
| 3 | VSTDICC005 | VY023050.D | 12 Aug 2025 14:54 | SY/MD | Ok,M |
| 4 | VSTDICC010 | VY023051.D | 12 Aug 2025 15:17 | SY/MD | Ok,M |
| 5 | VSTDICC020 | VY023052.D | 12 Aug 2025 15:40 | SY/MD | Ok,M |
| 6 | VSTDICCC050 | VY023053.D | 12 Aug 2025 16:02 | SY/MD | Ok,M |
| 7 | VSTDICC100 | VY023054.D | 12 Aug 2025 16:25 | SY/MD | Ok,M |
| 8 | VSTDICC150 | VY023055.D | 12 Aug 2025 16:47 | SY/MD | Ok,M |
| 9 | VIBLK | VY023056.D | 12 Aug 2025 17:31 | SY/MD | Ok |
| 10 | VSTDICV050 | VY023057.D | 12 Aug 2025 17:53 | SY/MD | Ok,M |

M : Manual Integration

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Fax : 908 789 8922

**Instrument ID: MSVOA_Y**

## Daily Analysis Runlog For Sequence/QCBatch ID # VY081425

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Mahesh Dadoda | Review On | 8/19/2025 4:23:08 AM | | | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 8/19/2025 6:52:38 AM | | | | |
| SubDirectory | VY081425 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y081225s.m | | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135134 |
| Initial Calibration Stds | |
| CCC | VP135135,VP135136 |
| 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 | VY023083.D | 14 Aug 2025 09:48 | SY/MD | Ok |
| 2 | VSTDCCC050 | VY023084.D | 14 Aug 2025 10:17 | SY/MD | Ok,M |
| 3 | VY0814SBL01 | VY023085.D | 14 Aug 2025 10:50 | SY/MD | Ok |
| 4 | VY0814SBS01 | VY023086.D | 14 Aug 2025 11:22 | SY/MD | Ok,M |
| 5 | VY0814SBSD01 | VY023087.D | 14 Aug 2025 11:45 | SY/MD | Ok,M |
| 6 | Q2830-05 | VY023088.D | 14 Aug 2025 12:26 | SY/MD | Ok |
| 7 | Q2819-10RE | VY023089.D | 14 Aug 2025 12:50 | SY/MD | Confirms |
| 8 | Q2819-11RE | VY023090.D | 14 Aug 2025 13:13 | SY/MD | Confirms |
| 9 | Q2819-15 | VY023091.D | 14 Aug 2025 13:37 | SY/MD | Ok |
| 10 | Q2819-16 | VY023092.D | 14 Aug 2025 14:00 | SY/MD | Ok |
| 11 | Q2819-20 | VY023093.D | 14 Aug 2025 14:24 | SY/MD | ReRun |
| 12 | Q2838-03 | VY023094.D | 14 Aug 2025 14:47 | SY/MD | Ok |
| 13 | Q2838-07 | VY023095.D | 14 Aug 2025 15:11 | SY/MD | Ok |
| 14 | Q2840-01 | VY023096.D | 14 Aug 2025 15:34 | SY/MD | Ok |
| 15 | Q2858-01 | VY023097.D | 14 Aug 2025 15:57 | SY/MD | Ok |
| 16 | Q2857-03 | VY023098.D | 14 Aug 2025 16:21 | SY/MD | Ok |
| 17 | Q2826-01 | VY023099.D | 14 Aug 2025 16:44 | SY/MD | Ok |
| 18 | Q2873-01 | VY023100.D | 14 Aug 2025 17:08 | SY/MD | Ok |
| 19 | Q2873-04 | VY023101.D | 14 Aug 2025 17:31 | SY/MD | Ok |
| 20 | Q2871-01 | VY023102.D | 14 Aug 2025 17:55 | SY/MD | Ok |
| 21 | Q2871-04 | VY023103.D | 14 Aug 2025 18:18 | SY/MD | ReRun |

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Fax : 908 789 8922

**Instrument ID: MSVOA_Y**

## Daily Analysis Runlog For Sequence/QCBatch ID # VY081425

| | | | | | |
|---|---|---|---|---|---|
| Review By | Mahesh Dadoda | Review On | 8/19/2025 4:23:08 AM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 8/19/2025 6:52:38 AM | | |
| SubDirectory | VY081425 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y081225s.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135134 |
| Initial Calibration Stds | |
| CCC | VP135135,VP135136 |
| Internal Standard/PEM | VP133934 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q2871-07 | VY023104.D | 14 Aug 2025 18:42 | SY/MD | Ok |
| 23 | Q2872-01 | VY023105.D | 14 Aug 2025 19:05 | SY/MD | ReRun |
| 24 | Q2870-01 | VY023106.D | 14 Aug 2025 19:29 | SY/MD | ReRun |
| 25 | Q2870-04 | VY023107.D | 14 Aug 2025 19:52 | SY/MD | Ok |
| 26 | VIBLK | VY023108.D | 14 Aug 2025 20:15 | SY/MD | Ok |
| 27 | VSTDCCC050 | VY023109.D | 14 Aug 2025 20:38 | SY/MD | Ok,M |

M : Manual Integration

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**Instrument ID:** MSVOA_Y

## Daily Analysis Runlog For Sequence/QCBatch ID # VY081225

| | | | | | |
|---|---|---|---|---|---|
| Review By | Mahesh Dadoda | Review On | 8/14/2025 7:34:22 PM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 8/14/2025 7:44:13 PM | | |
| SubDirectory | VY081225 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y081225s.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135083 |
| Initial Calibration Stds | VP135084,VP135085,VP135086,VP135087,VP135088,VP135089 |
| CCC | |
| Internal Standard/PEM | VP133934 |
| ICV/I.BLK | VP135090 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VY023048.D | 12 Aug 2025 08:26 | | SY/MD | Ok |
| 2 | VSTDICC005 | VSTDICC005 | VY023049.D | 12 Aug 2025 14:32 | Not used | SY/MD | Not Ok |
| 3 | VSTDICC005 | VSTDICC005 | VY023050.D | 12 Aug 2025 14:54 | | SY/MD | Ok,M |
| 4 | VSTDICC010 | VSTDICC010 | VY023051.D | 12 Aug 2025 15:17 | | SY/MD | Ok,M |
| 5 | VSTDICC020 | VSTDICC020 | VY023052.D | 12 Aug 2025 15:40 | LR-20 | SY/MD | Ok,M |
| 6 | VSTDICCC050 | VSTDICCC050 | VY023053.D | 12 Aug 2025 16:02 | | SY/MD | Ok,M |
| 7 | VSTDICC100 | VSTDICC100 | VY023054.D | 12 Aug 2025 16:25 | | SY/MD | Ok,M |
| 8 | VSTDICC150 | VSTDICC150 | VY023055.D | 12 Aug 2025 16:47 | | SY/MD | Ok,M |
| 9 | VIBLK | VIBLK | VY023056.D | 12 Aug 2025 17:31 | | SY/MD | Ok |
| 10 | VSTDICV050 | ICVVY081225 | VY023057.D | 12 Aug 2025 17:53 | | SY/MD | Ok,M |

M : Manual Integration

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**Instrument ID:** MSVOA_Y

## Daily Analysis Runlog For Sequence/QCBatch ID # VY081425

| | | | | | |
|---|---|---|---|---|---|
| Review By | Mahesh Dadoda | Review On | 8/19/2025 4:23:08 AM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 8/19/2025 6:52:38 AM | | |
| SubDirectory | VY081425 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y081225s.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135134 |
| Initial Calibration Stds | |
| CCC | VP135135,VP135136 |
| 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 | VY023083.D | 14 Aug 2025 09:48 | | SY/MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VY023084.D | 14 Aug 2025 10:17 | | SY/MD | Ok,M |
| 3 | VY0814SBL01 | VY0814SBL01 | VY023085.D | 14 Aug 2025 10:50 | | SY/MD | Ok |
| 4 | VY0814SBS01 | VY0814SBS01 | VY023086.D | 14 Aug 2025 11:22 | | SY/MD | Ok,M |
| 5 | VY0814SBSD01 | VY0814SBSD01 | VY023087.D | 14 Aug 2025 11:45 | | SY/MD | Ok,M |
| 6 | Q2830-05 | BIN0009-DRIVEWAY-T | VY023088.D | 14 Aug 2025 12:26 | | SY/MD | Ok |
| 7 | Q2819-10RE | 84SB-SRE | VY023089.D | 14 Aug 2025 12:50 | Surrogate Fail | SY/MD | Confirms |
| 8 | Q2819-11RE | 84SB-WRE | VY023090.D | 14 Aug 2025 13:13 | Internal Standard fail;Surrogate Fail | SY/MD | Confirms |
| 9 | Q2819-15 | 17M-N | VY023091.D | 14 Aug 2025 13:37 | | SY/MD | Ok |
| 10 | Q2819-16 | 38M-S | VY023092.D | 14 Aug 2025 14:00 | | SY/MD | Ok |
| 11 | Q2819-20 | 82H-E | VY023093.D | 14 Aug 2025 14:24 | Internal Standard fail;Surrogate Fail | SY/MD | ReRun |
| 12 | Q2838-03 | TP-11-VOC | VY023094.D | 14 Aug 2025 14:47 | | SY/MD | Ok |
| 13 | Q2838-07 | TP-10-VOC | VY023095.D | 14 Aug 2025 15:11 | | SY/MD | Ok |
| 14 | Q2840-01 | 0804-SOIL | VY023096.D | 14 Aug 2025 15:34 | | SY/MD | Ok |
| 15 | Q2858-01 | VNJ 216 | VY023097.D | 14 Aug 2025 15:57 | | SY/MD | Ok |
| 16 | Q2857-03 | 72-12002 | VY023098.D | 14 Aug 2025 16:21 | | SY/MD | Ok |
| 17 | Q2826-01 | WC1 | VY023099.D | 14 Aug 2025 16:44 | | SY/MD | Ok |

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**Instrument ID:** MSVOA_Y

## Daily Analysis Runlog For Sequence/QCBatch ID # VY081425

| | | | | | |
|---|---|---|---|---|---|
| Review By | Mahesh Dadoda | Review On | 8/19/2025 4:23:08 AM | | |
| Supervise By | Semsettin Yesilyurt | Supervise On | 8/19/2025 6:52:38 AM | | |
| SubDirectory | VY081425 | HP Acquire Method | MSVOA_Y | HP Processing Method | 82y081225s.m |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135134 |
| Initial Calibration Stds | |
| CCC | VP135135,VP135136 |
| Internal Standard/PEM | VP133934 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Q2873-01 | DRILL CUTTING 1-3 C | VY023100.D | 14 Aug 2025 17:08 | | SY/MD | Ok |
| 19 | Q2873-04 | DRILL CUTTING 4-6 C | VY023101.D | 14 Aug 2025 17:31 | | SY/MD | Ok |
| 20 | Q2871-01 | DRILL CUTTING 1-3 C | VY023102.D | 14 Aug 2025 17:55 | | SY/MD | Ok |
| 21 | Q2871-04 | DRILL CUTTING 4-6 C | VY023103.D | 14 Aug 2025 18:18 | Internal Standard Fail | SY/MD | ReRun |
| 22 | Q2871-07 | DRILL CUTTING 1-5 C | VY023104.D | 14 Aug 2025 18:42 | | SY/MD | Ok |
| 23 | Q2872-01 | DRILL CUTTING 1-2 C | VY023105.D | 14 Aug 2025 19:05 | Internal Standard Fail | SY/MD | ReRun |
| 24 | Q2870-01 | DRILL CUTTING 1-5 C | VY023106.D | 14 Aug 2025 19:29 | Internal Standard Fail | SY/MD | ReRun |
| 25 | Q2870-04 | DRILL CUTTING 6-9 C | VY023107.D | 14 Aug 2025 19:52 | | SY/MD | Ok |
| 26 | VIBLK | VIBLK | VY023108.D | 14 Aug 2025 20:15 | | SY/MD | Ok |
| 27 | VSTDCCC050 | VSTDCCC050EC | VY023109.D | 14 Aug 2025 20:38 | | SY/MD | Ok,M |

M : Manual Integration

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q2826 | **OrderDate:** | 8/11/2025 2:06:00 PM |
| **Client:** | G Environmental | **Project:** | Ave B |
| **Contact:** | Gary Landis | **Location:** | --Select--,D31,VOA Ref. #2 Soil |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q2826-01** | **WC1** | **SOIL** | | | **08/11/25** | | | **08/11/25** |
| | | | VOCMS Group1 | 8260D | | | 08/14/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q2826

**Client:** G Environmental

| Sample ID | Client ID | Matrix | Parameter | | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID : WC1** | | | | | | | | | |
| Q2826-01 | WC1 | SOIL | Bis(2-ethylhexyl)phthalate | | 180.000 | J | 130 | 390 | ug/Kg |
| | | | **Total Svoc :** | | **180.00** | | | | |
| Q2826-01 | WC1 | SOIL | 2-Pentanone, 4-hydroxy-4-methyl | * | 200.000 | AB | 0 | 0 | ug/Kg |
| Q2826-01 | WC1 | SOIL | Butane, 2-methoxy-2-methyl- | * | 360.000 | JB | 0 | 0 | ug/Kg |
| Q2826-01 | WC1 | SOIL | Hexanedioic acid, bis(2-ethylhexy | * | 200.000 | J | 0 | 0 | ug/Kg |
| | | | **Total Tics :** | | **760.00** | | | | |
| | | | **Total Concentration:** | | **940.00** | | | | |

# SAMPLE DATA

Raw Data: **BP025466.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | 08/11/25 |
| Project: | Ave B | | | Date Received: | 08/11/25 |
| Client Sample ID: | WC1 | | | SDG No.: | Q2826 |
| Lab Sample ID: | Q2826-01 | | | Matrix: | SOIL |
| Analytical Method: | 8270E | | | % Solid: | 88.1 |
| Sample Wt/Vol: | 30.03 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group1 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP025466.D | 2 | 08/12/25 09:15 | 08/18/25 18:17 | PB169210 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 350 | U | 350 | 750 | ug/Kg |
| 108-95-2 | Phenol | 50.1 | U | 50.1 | 390 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 55.1 | U | 55.1 | 390 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 55.3 | U | 55.3 | 390 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 67.8 | U | 67.8 | 390 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 85.0 | U | 85.0 | 390 | ug/Kg |
| 98-86-2 | Acetophenone | 66.9 | U | 66.9 | 390 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 93.2 | U | 93.2 | 750 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 110 | U | 110 | 180 | ug/Kg |
| 67-72-1 | Hexachloroethane | 39.9 | U | 39.9 | 390 | ug/Kg |
| 98-95-3 | Nitrobenzene | 41.5 | U | 41.5 | 390 | ug/Kg |
| 78-59-1 | Isophorone | 74.4 | U | 74.4 | 390 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 130 | U | 130 | 390 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 150 | U | 150 | 390 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 69.9 | U | 69.9 | 390 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 64.2 | U | 64.2 | 390 | ug/Kg |
| 91-20-3 | Naphthalene | 51.5 | U | 51.5 | 390 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 80.3 | U | 80.3 | 390 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 57.4 | U | 57.4 | 390 | ug/Kg |
| 105-60-2 | Caprolactam | 120 | U | 120 | 750 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 65.1 | U | 65.1 | 390 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 58.1 | U | 58.1 | 390 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 260 | U | 260 | 750 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 44.9 | U | 44.9 | 390 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 66.0 | U | 66.0 | 390 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 49.4 | U | 49.4 | 390 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 51.0 | U | 51.0 | 390 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 110 | U | 110 | 390 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 61.5 | U | 61.5 | 390 | ug/Kg |

Raw Data: **BP025466.D**

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | 08/11/25 |
| Project: | Ave B | | | Date Received: | 08/11/25 |
| Client Sample ID: | WC1 | | | SDG No.: | Q2826 |
| Lab Sample ID: | Q2826-01 | | | Matrix: | SOIL |
| Analytical Method: | 8270E | | | % Solid: | 88.1 |
| Sample Wt/Vol: | 30.03 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group1 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP025466.D | 2 | 08/12/25 09:15 | 08/18/25 18:17 | PB169210 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 65.5 | U | 65.5 | 390 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 76.2 | U | 76.2 | 390 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 100 | U | 100 | 390 | ug/Kg |
| 83-32-9 | Acenaphthene | 48.3 | U | 48.3 | 390 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 520 | U | 520 | 750 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 240 | U | 240 | 750 | ug/Kg |
| 132-64-9 | Dibenzofuran | 51.5 | U | 51.5 | 390 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 110 | U | 110 | 390 | ug/Kg |
| 84-66-2 | Diethylphthalate | 64.2 | U | 64.2 | 390 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 60.6 | U | 60.6 | 390 | ug/Kg |
| 86-73-7 | Fluorene | 57.4 | U | 57.4 | 390 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 150 | U | 150 | 390 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 230 | U | 230 | 750 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 74.6 | U | 74.6 | 390 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 63.0 | U | 63.0 | 390 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 57.4 | U | 57.4 | 390 | ug/Kg |
| 1912-24-9 | Atrazine | 77.1 | U | 77.1 | 390 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 120 | U | 120 | 750 | ug/Kg |
| 85-01-8 | Phenanthrene | 47.4 | U | 47.4 | 390 | ug/Kg |
| 120-12-7 | Anthracene | 75.5 | U | 75.5 | 390 | ug/Kg |
| 86-74-8 | Carbazole | 70.8 | U | 70.8 | 390 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 110 | U | 110 | 390 | ug/Kg |
| 206-44-0 | Fluoranthene | 68.0 | U | 68.0 | 390 | ug/Kg |
| 129-00-0 | Pyrene | 81.6 | U | 81.6 | 390 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 160 | U | 160 | 390 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 83.2 | U | 83.2 | 750 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 52.2 | U | 52.2 | 390 | ug/Kg |
| 218-01-9 | Chrysene | 45.1 | U | 45.1 | 390 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 180 | J | 130 | 390 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 200 | U | 200 | 750 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 43.1 | U | 43.1 | 390 | ug/Kg |

Raw Data: **BP025466.D**

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | 08/11/25 |
| Project: | Ave B | | | Date Received: | 08/11/25 |
| Client Sample ID: | WC1 | | | SDG No.: | Q2826 |
| Lab Sample ID: | Q2826-01 | | | Matrix: | SOIL |
| Analytical Method: | 8270E | | | % Solid: | 88.1 |
| Sample Wt/Vol: | 30.03 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group1 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP025466.D | 2 | 08/12/25 09:15 | 08/18/25 18:17 | PB169210 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 50.8 | U | 50.8 | 390 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 66.9 | U | 66.9 | 390 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 66.0 | U | 66.0 | 390 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 62.1 | U | 62.1 | 390 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 58.3 | U | 58.3 | 390 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 58.1 | U | 58.1 | 390 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 100 | U | 100 | 390 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 62.1 | U | 62.1 | 390 | ug/Kg |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 38.1 | * | 30 (18) - 130 (112) | 25% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 41.7 | * | 30 (15) - 130 (107) | 28% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 26.3 | * | 30 (18) - 130 (107) | 26% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 27.5 | * | 30 (20) - 130 (109) | 27% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 23.5 | * | 30 (10) - 130 (116) | 16% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 28.6 | * | 30 (10) - 130 (105) | 29% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 171000 | 7.79 | | | |
| 1146-65-2 | Naphthalene-d8 | 684000 | 10.554 | | | |
| 15067-26-2 | Acenaphthene-d10 | 428000 | 14.401 | | | |
| 1517-22-2 | Phenanthrene-d10 | 882000 | 17.201 | | | |
| 1719-03-5 | Chrysene-d12 | 895000 | 21.642 | | | |
| 1520-96-3 | Perylene-d12 | 1040000 | 25.013 | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | |
| 000994-05-8 | Butane, 2-methoxy-2-methyl- | 360 | JB | | 3.04 | ug/Kg |
| 000123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl- | 200 | AB | | 4.95 | ug/Kg |
| 000103-23-1 | Hexanedioic acid, bis(2-ethylhexyl | 200 | J | | 20.7 | ug/Kg |

Raw Data: **BP025466.D**

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# Report of Analysis

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|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | 08/11/25 |
| Project: | Ave B | | | Date Received: | 08/11/25 |
| Client Sample ID: | WC1 | | | SDG No.: | Q2826 |
| Lab Sample ID: | Q2826-01 | | | Matrix: | SOIL |
| Analytical Method: | 8270E | | | % Solid: | 88.1 |
| Sample Wt/Vol: | 30.03 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group1 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP025466.D | 2 | 08/12/25 09:15 | 08/18/25 18:17 | PB169210 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

# QC SUMMARY

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

**SW-846**

**SDG No.:** Q2826

**Client:** G Environmental

**Analytical Method:** 8270E

| Lab Sample ID | Client ID | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|
| PB169210BL | PB169210BL | 2-Fluorophenol | 150 | 123 | 82 | | 30 (18) | 130 (112) |
| | | Phenol-d6 | 150 | 120 | 80 | | 30 (15) | 130 (107) |
| | | Nitrobenzene-d5 | 100 | 97.5 | 98 | | 30 (18) | 130 (107) |
| | | 2-Fluorobiphenyl | 100 | 90.2 | 90 | | 30 (20) | 130 (109) |
| | | 2,4,6-Tribromophenol | 150 | 166 | 110 | | 30 (10) | 130 (116) |
| | | Terphenyl-d14 | 100 | 101 | 101 | | 30 (10) | 130 (105) |
| PB169210BS | PB169210BS | 2-Fluorophenol | 150 | 136 | 91 | | 30 (18) | 130 (112) |
| | | Phenol-d6 | 150 | 138 | 92 | | 30 (15) | 130 (107) |
| | | Nitrobenzene-d5 | 100 | 79.6 | 80 | | 30 (18) | 130 (107) |
| | | 2-Fluorobiphenyl | 100 | 79.7 | 80 | | 30 (20) | 130 (109) |
| | | 2,4,6-Tribromophenol | 150 | 138 | 92 | | 30 (10) | 130 (116) |
| | | Terphenyl-d14 | 100 | 83.1 | 83 | | 30 (10) | 130 (105) |
| Q2826-01 | WC1 | 2-Fluorophenol | 150 | 38.1 | 25 | * | 30 (18) | 130 (112) |
| | | Phenol-d6 | 150 | 41.7 | 28 | * | 30 (15) | 130 (107) |
| | | Nitrobenzene-d5 | 100 | 26.3 | 26 | * | 30 (18) | 130 (107) |
| | | 2-Fluorobiphenyl | 100 | 27.5 | 27 | * | 30 (20) | 130 (109) |
| | | 2,4,6-Tribromophenol | 150 | 23.5 | 16 | * | 30 (10) | 130 (116) |
| | | Terphenyl-d14 | 100 | 28.6 | 29 | * | 30 (10) | 130 (105) |
| Q2830-05MS | BIN0009-DRIVEWAY-TP-WESTSID | 2-Fluorophenol | 150 | 95.7 | 64 | | 30 (18) | 130 (112) |
| | | Phenol-d6 | 150 | 95.4 | 64 | | 30 (15) | 130 (107) |
| | | Nitrobenzene-d5 | 100 | 75.4 | 75 | | 30 (18) | 130 (107) |
| | | 2-Fluorobiphenyl | 100 | 68.9 | 69 | | 30 (20) | 130 (109) |
| | | 2,4,6-Tribromophenol | 150 | 121 | 81 | | 30 (10) | 130 (116) |
| | | Terphenyl-d14 | 100 | 58.4 | 58 | | 30 (10) | 130 (105) |
| Q2830-05MSD | BIN0009-DRIVEWAY-TP-WESTSID | 2-Fluorophenol | 150 | 97.8 | 65 | | 30 (18) | 130 (112) |
| | | Phenol-d6 | 150 | 101 | 67 | | 30 (15) | 130 (107) |
| | | Nitrobenzene-d5 | 100 | 77.3 | 77 | | 30 (18) | 130 (107) |
| | | 2-Fluorobiphenyl | 100 | 65.9 | 66 | | 30 (20) | 130 (109) |
| | | 2,4,6-Tribromophenol | 150 | 142 | 95 | | 30 (10) | 130 (116) |
| | | Terphenyl-d14 | 100 | 77.5 | 78 | | 30 (10) | 130 (105) |

( ) = LABORATORY INHOUSE LIMIT

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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q2826 **Analytical Method:** SW8270E

**Client:** G Environmental **DataFile:** BF143367.D

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: Q2830-05MS** | | **Client Sample ID: BIN0009-DRIVEWAY-TP-WESTSIDE** | | | | | | | | | |
| Benzaldehyde | 1200 | 0 | 820 | ug/Kg | 68 | | | | 20 (10) | 160 (171) | |
| Phenol | 1200 | 0 | 1000 | ug/Kg | 83 | | | | 20 (51) | 160 (122) | |
| bis(2-Chloroethyl)ether | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (54) | 130 (125) | |
| 2-Chlorophenol | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (51) | 130 (121) | |
| 2-Methylphenol | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (47) | 130 (125) | |
| 2,2-oxybis(1-Chloropropane) | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (46) | 130 (119) | |
| Acetophenone | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (55) | 130 (128) | |
| 3+4-Methylphenols | 1200 | 0 | 1000 | ug/Kg | 83 | | | | 20 (49) | 160 (125) | |
| N-Nitroso-di-n-propylamine | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (59) | 130 (119) | |
| Hexachloroethane | 1200 | 0 | 1200 | ug/Kg | 100 | | | | 20 (51) | 160 (116) | |
| Nitrobenzene | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (47) | 130 (124) | |
| Isophorone | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (49) | 130 (127) | |
| 2-Nitrophenol | 1200 | 0 | 1400 | ug/Kg | 117 | | | | 70 (43) | 130 (131) | |
| 2,4-Dimethylphenol | 1200 | 0 | 1200 | ug/Kg | 100 | | | | 70 (63) | 130 (151) | |
| bis(2-Chloroethoxy)methane | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (51) | 130 (119) | |
| 2,4-Dichlorophenol | 1200 | 0 | 1200 | ug/Kg | 100 | | | | 70 (50) | 130 (122) | |
| Naphthalene | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (51) | 130 (121) | |
| 4-Chloroaniline | 1200 | 0 | 600 | ug/Kg | 50 | * | | | 70 (10) | 130 (100) | |
| Hexachlorobutadiene | 1200 | 0 | 1200 | ug/Kg | 100 | | | | 70 (44) | 130 (126) | |
| Caprolactam | 1200 | 0 | 1200 | ug/Kg | 100 | | | | 20 (51) | 160 (134) | |
| 4-Chloro-3-methylphenol | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (57) | 130 (132) | |
| 2-Methylnaphthalene | 1200 | 0 | 1000 | ug/Kg | 83 | | | | 70 (59) | 130 (123) | |
| Hexachlorocyclopentadiene | 2500 | 0 | 2800 | ug/Kg | 112 | | | | 20 (10) | 160 (175) | |
| 2,4,6-Trichlorophenol | 1200 | 0 | 1300 | ug/Kg | 108 | | | | 70 (33) | 130 (141) | |
| 2,4,5-Trichlorophenol | 1200 | 0 | 1200 | ug/Kg | 100 | | | | 70 (38) | 130 (135) | |
| 1,1-Biphenyl | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (55) | 130 (131) | |
| 2-Chloronaphthalene | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (48) | 130 (124) | |
| 2-Nitroaniline | 1200 | 0 | 1200 | ug/Kg | 100 | | | | 70 (47) | 130 (134) | |
| Dimethylphthalate | 1200 | 0 | 1200 | ug/Kg | 100 | | | | 70 (54) | 130 (120) | |
| Acenaphthylene | 1200 | 0 | 1200 | ug/Kg | 100 | | | | 70 (57) | 130 (125) | |
| 2,6-Dinitrotoluene | 1200 | 0 | 1300 | ug/Kg | 108 | | | | 70 (48) | 130 (127) | |
| 3-Nitroaniline | 1200 | 0 | 820 | ug/Kg | 68 | * | | | 70 (10) | 130 (112) | |
| Acenaphthene | 1200 | 0 | 1200 | ug/Kg | 100 | | | | 70 (70) | 130 (121) | |
| 2,4-Dinitrophenol | 2500 | 0 | 2300 | ug/Kg | 92 | | | | 20 (10) | 160 (155) | |
| 4-Nitrophenol | 2500 | 0 | 1900 | ug/Kg | 76 | | | | 20 (10) | 160 (175) | |
| Dibenzofuran | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (52) | 130 (114) | |
| 2,4-Dinitrotoluene | 1200 | 0 | 1300 | ug/Kg | 108 | | | | 70 (41) | 130 (140) | |
| Diethylphthalate | 1200 | 0 | 1200 | ug/Kg | 100 | | | | 70 (51) | 130 (119) | |
| 4-Chlorophenyl-phenylether | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (48) | 130 (122) | |
| Fluorene | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (53) | 130 (118) | |
| 4-Nitroaniline | 1200 | 0 | 1200 | ug/Kg | 100 | | | | 70 (29) | 130 (140) | |
| 4,6-Dinitro-2-methylphenol | 1200 | 0 | 1500 | ug/Kg | 125 | | | | 70 (10) | 130 (160) | |
| N-Nitrosodiphenylamine | 1200 | 0 | 1200 | ug/Kg | 100 | | | | 70 (73) | 130 (118) | |
| 4-Bromophenyl-phenylether | 1200 | 0 | 1200 | ug/Kg | 100 | | | | 70 (65) | 130 (121) | |
| Hexachlorobenzene | 1200 | 0 | 1200 | ug/Kg | 100 | | | | 70 (67) | 130 (118) | |
| Atrazine | 1200 | 0 | 1400 | ug/Kg | 117 | | | | 70 (45) | 130 (175) | |

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## Matrix Spike/Matrix Spike Duplicate Summary

### SW-846

**SDG No.:** Q2826 **Analytical Method:** SW8270E

**Client:** G Environmental **DataFile:** BF143367.D

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Pentachlorophenol | 2500 | 0 | 2300 | ug/Kg | 92 | | | | 20 (13) | 160 (153) | |
| Phenanthrene | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (52) | 130 (128) | |
| Anthracene | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (62) | 130 (124) | |
| Carbazole | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (59) | 130 (119) | |
| Di-n-butylphthalate | 1200 | 0 | 1600 | ug/Kg | 133 | * | | | 70 (55) | 130 (125) | |
| Fluoranthene | 1200 | 0 | 1200 | ug/Kg | 100 | | | | 70 (44) | 130 (125) | |
| Pyrene | 1200 | 0 | 870 | ug/Kg | 73 | | | | 70 (37) | 130 (122) | |
| Butylbenzylphthalate | 1200 | 0 | 1800 | ug/Kg | 150 | * | | | 70 (44) | 130 (135) | |
| 3,3-Dichlorobenzidine | 1200 | 0 | 960 | ug/Kg | 80 | | | | 70 (15) | 130 (112) | |
| Benzo(a)anthracene | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (53) | 130 (119) | |
| Chrysene | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (57) | 130 (121) | |
| bis(2-Ethylhexyl)phthalate | 1200 | 120 | 1800 | ug/Kg | 140 | * | | | 70 (42) | 130 (169) | |
| Di-n-octyl phthalate | 1200 | 0 | 1600 | ug/Kg | 133 | * | | | 70 (51) | 130 (156) | |
| Benzo(b)fluoranthene | 1200 | 0 | 1200 | ug/Kg | 100 | | | | 70 (52) | 130 (117) | |
| Benzo(k)fluoranthene | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (57) | 130 (134) | |
| Benzo(a)pyrene | 1200 | 0 | 1200 | ug/Kg | 100 | | | | 70 (70) | 130 (142) | |
| Indeno(1,2,3-cd)pyrene | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (40) | 130 (129) | |
| Dibenz(a,h)anthracene | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (43) | 130 (123) | |
| Benzo(g,h,i)perylene | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (24) | 130 (125) | |
| 1,2,4,5-Tetrachlorobenzene | 1200 | 0 | 1100 | ug/Kg | 92 | | | | 70 (52) | 130 (134) | |
| 1,4-Dioxane | 1200 | 0 | 980 | ug/Kg | 82 | | | | 20 (46) | 160 (112) | |
| 2,3,4,6-Tetrachlorophenol | 1200 | 0 | 1400 | ug/Kg | 117 | | | | 70 (24) | 130 (146) | |

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## Matrix Spike/Matrix Spike Duplicate Summary

### SW-846

**SDG No.:** Q2826 **Analytical Method:** SW8270E

**Client:** G Environmental **DataFile:** BF143368.D

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: Q2830-05MSD** | | **Client Sample ID: BIN0009-DRIVEWAY-TP-WESTSIDE** | | | | | | | | | |
| Benzaldehyde | 1200 | 0 | 870 | ug/Kg | 73 | | 7 | | 20 (10) | 160 (171) | 30 (20) |
| Phenol | 1200 | 0 | 1100 | ug/Kg | 92 | | 10 | | 20 (51) | 160 (122) | 30 (20) |
| bis(2-Chloroethyl)ether | 1200 | 0 | 1100 | ug/Kg | 92 | | 0 | | 70 (54) | 130 (125) | 30 (20) |
| 2-Chlorophenol | 1200 | 0 | 1200 | ug/Kg | 100 | | 8 | | 70 (51) | 130 (121) | 30 (20) |
| 2-Methylphenol | 1200 | 0 | 1200 | ug/Kg | 100 | | 8 | | 70 (47) | 130 (125) | 30 (20) |
| 2,2-oxybis(1-Chloropropane) | 1200 | 0 | 1100 | ug/Kg | 92 | | 0 | | 70 (46) | 130 (119) | 30 (20) |
| Acetophenone | 1200 | 0 | 1100 | ug/Kg | 92 | | 0 | | 70 (55) | 130 (128) | 30 (20) |
| 3+4-Methylphenols | 1200 | 0 | 1100 | ug/Kg | 92 | | 10 | | 20 (49) | 160 (125) | 30 (20) |
| N-Nitroso-di-n-propylamine | 1200 | 0 | 1100 | ug/Kg | 92 | | 0 | | 70 (59) | 130 (119) | 30 (20) |
| Hexachloroethane | 1200 | 0 | 1200 | ug/Kg | 100 | | 0 | | 20 (51) | 160 (116) | 30 (20) |
| Nitrobenzene | 1200 | 0 | 1200 | ug/Kg | 100 | | 8 | | 70 (47) | 130 (124) | 30 (20) |
| Isophorone | 1200 | 0 | 1200 | ug/Kg | 100 | | 8 | | 70 (49) | 130 (127) | 30 (20) |
| 2-Nitrophenol | 1200 | 0 | 1400 | ug/Kg | 117 | | 0 | | 70 (43) | 130 (131) | 30 (20) |
| 2,4-Dimethylphenol | 1200 | 0 | 1300 | ug/Kg | 108 | | 8 | | 70 (63) | 130 (151) | 30 (20) |
| bis(2-Chloroethoxy)methane | 1200 | 0 | 1200 | ug/Kg | 100 | | 8 | | 70 (51) | 130 (119) | 30 (20) |
| 2,4-Dichlorophenol | 1200 | 0 | 1200 | ug/Kg | 100 | | 0 | | 70 (50) | 130 (122) | 30 (20) |
| Naphthalene | 1200 | 0 | 1100 | ug/Kg | 92 | | 0 | | 70 (51) | 130 (121) | 30 (20) |
| 4-Chloroaniline | 1200 | 0 | 550 | ug/Kg | 46 | * | 8 | | 70 (10) | 130 (100) | 30 (20) |
| Hexachlorobutadiene | 1200 | 0 | 1100 | ug/Kg | 92 | | 8 | | 70 (44) | 130 (126) | 30 (20) |
| Caprolactam | 1200 | 0 | 1500 | ug/Kg | 125 | | 22 | | 20 (51) | 160 (134) | 30 (20) |
| 4-Chloro-3-methylphenol | 1200 | 0 | 1300 | ug/Kg | 108 | | 16 | | 70 (57) | 130 (132) | 30 (20) |
| 2-Methylnaphthalene | 1200 | 0 | 1000 | ug/Kg | 83 | | 0 | | 70 (59) | 130 (123) | 30 (20) |
| Hexachlorocyclopentadiene | 2500 | 0 | 2700 | ug/Kg | 108 | | 4 | | 20 (10) | 160 (175) | 30 (20) |
| 2,4,6-Trichlorophenol | 1200 | 0 | 1300 | ug/Kg | 108 | | 0 | | 70 (33) | 130 (141) | 30 (20) |
| 2,4,5-Trichlorophenol | 1200 | 0 | 1200 | ug/Kg | 100 | | 0 | | 70 (38) | 130 (135) | 30 (20) |
| 1,1-Biphenyl | 1200 | 0 | 1100 | ug/Kg | 92 | | 0 | | 70 (55) | 130 (131) | 30 (20) |
| 2-Chloronaphthalene | 1200 | 0 | 1100 | ug/Kg | 92 | | 0 | | 70 (48) | 130 (124) | 30 (20) |
| 2-Nitroaniline | 1200 | 0 | 1300 | ug/Kg | 108 | | 8 | | 70 (47) | 130 (134) | 30 (20) |
| Dimethylphthalate | 1200 | 0 | 1300 | ug/Kg | 108 | | 8 | | 70 (54) | 130 (120) | 30 (20) |
| Acenaphthylene | 1200 | 0 | 1200 | ug/Kg | 100 | | 0 | | 70 (57) | 130 (125) | 30 (20) |
| 2,6-Dinitrotoluene | 1200 | 0 | 1500 | ug/Kg | 125 | | 15 | | 70 (48) | 130 (127) | 30 (20) |
| 3-Nitroaniline | 1200 | 0 | 990 | ug/Kg | 83 | | 20 | | 70 (10) | 130 (112) | 30 (20) |
| Acenaphthene | 1200 | 0 | 1200 | ug/Kg | 100 | | 0 | | 70 (70) | 130 (121) | 30 (20) |
| 2,4-Dinitrophenol | 2500 | 0 | 2700 | ug/Kg | 108 | | 16 | | 20 (10) | 160 (155) | 30 (20) |
| 4-Nitrophenol | 2500 | 0 | 2400 | ug/Kg | 96 | | 23 | | 20 (10) | 160 (175) | 30 (20) |
| Dibenzofuran | 1200 | 0 | 1100 | ug/Kg | 92 | | 0 | | 70 (52) | 130 (114) | 30 (20) |
| 2,4-Dinitrotoluene | 1200 | 0 | 1500 | ug/Kg | 125 | | 15 | | 70 (41) | 130 (140) | 30 (20) |
| Diethylphthalate | 1200 | 0 | 1400 | ug/Kg | 117 | | 16 | | 70 (51) | 130 (119) | 30 (20) |
| 4-Chlorophenyl-phenylether | 1200 | 0 | 1200 | ug/Kg | 100 | | 8 | | 70 (48) | 130 (122) | 30 (20) |
| Fluorene | 1200 | 0 | 1100 | ug/Kg | 92 | | 0 | | 70 (53) | 130 (118) | 30 (20) |
| 4-Nitroaniline | 1200 | 0 | 1500 | ug/Kg | 125 | | 22 | | 70 (29) | 130 (140) | 30 (20) |
| 4,6-Dinitro-2-methylphenol | 1200 | 0 | 1600 | ug/Kg | 133 | * | 6 | | 70 (10) | 130 (160) | 30 (20) |
| N-Nitrosodiphenylamine | 1200 | 0 | 1100 | ug/Kg | 92 | | 8 | | 70 (73) | 130 (118) | 30 (20) |
| 4-Bromophenyl-phenylether | 1200 | 0 | 1200 | ug/Kg | 100 | | 0 | | 70 (65) | 130 (121) | 30 (20) |
| Hexachlorobenzene | 1200 | 0 | 1100 | ug/Kg | 92 | | 8 | | 70 (67) | 130 (118) | 30 (20) |
| Atrazine | 1200 | 0 | 1400 | ug/Kg | 117 | | 0 | | 70 (45) | 130 (175) | 30 (20) |

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## Matrix Spike/Matrix Spike Duplicate Summary

### SW-846

**SDG No.:** Q2826 **Analytical Method:** SW8270E

**Client:** G Environmental **DataFile:** BF143368.D

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Pentachlorophenol | 2500 | 0 | 2500 | ug/Kg | 100 | | 8 | | 20 (13) | 160 (153) | 30 (20) |
| Phenanthrene | 1200 | 0 | 1100 | ug/Kg | 92 | | 0 | | 70 (52) | 130 (128) | 30 (20) |
| Anthracene | 1200 | 0 | 1100 | ug/Kg | 92 | | 0 | | 70 (62) | 130 (124) | 30 (20) |
| Carbazole | 1200 | 0 | 1100 | ug/Kg | 92 | | 0 | | 70 (59) | 130 (119) | 30 (20) |
| Di-n-butylphthalate | 1200 | 0 | 1700 | ug/Kg | 142 | * | 7 | | 70 (55) | 130 (125) | 30 (20) |
| Fluoranthene | 1200 | 0 | 1300 | ug/Kg | 108 | | 8 | | 70 (44) | 130 (125) | 30 (20) |
| Pyrene | 1200 | 0 | 1200 | ug/Kg | 100 | | 31 | * | 70 (37) | 130 (122) | 30 (20) |
| Butylbenzylphthalate | 1200 | 0 | 2300 | ug/Kg | 192 | * | 25 | | 70 (44) | 130 (135) | 30 (20) |
| 3,3-Dichlorobenzidine | 1200 | 0 | 860 | ug/Kg | 72 | | 11 | | 70 (15) | 130 (112) | 30 (20) |
| Benzo(a)anthracene | 1200 | 0 | 1100 | ug/Kg | 92 | | 0 | | 70 (53) | 130 (119) | 30 (20) |
| Chrysene | 1200 | 0 | 1200 | ug/Kg | 100 | | 8 | | 70 (57) | 130 (121) | 30 (20) |
| bis(2-Ethylhexyl)phthalate | 1200 | 120 | 2000 | ug/Kg | 157 | * | 11 | | 70 (42) | 130 (169) | 30 (20) |
| Di-n-octyl phthalate | 1200 | 0 | 1400 | ug/Kg | 117 | | 13 | | 70 (51) | 130 (156) | 30 (20) |
| Benzo(b)fluoranthene | 1200 | 0 | 1200 | ug/Kg | 100 | | 0 | | 70 (52) | 130 (117) | 30 (20) |
| Benzo(k)fluoranthene | 1200 | 0 | 1300 | ug/Kg | 108 | | 16 | | 70 (57) | 130 (134) | 30 (20) |
| Benzo(a)pyrene | 1200 | 0 | 1200 | ug/Kg | 100 | | 0 | | 70 (70) | 130 (142) | 30 (20) |
| Indeno(1,2,3-cd)pyrene | 1200 | 0 | 1100 | ug/Kg | 92 | | 0 | | 70 (40) | 130 (129) | 30 (20) |
| Dibenz(a,h)anthracene | 1200 | 0 | 1200 | ug/Kg | 100 | | 8 | | 70 (43) | 130 (123) | 30 (20) |
| Benzo(g,h,i)perylene | 1200 | 0 | 1100 | ug/Kg | 92 | | 0 | | 70 (24) | 130 (125) | 30 (20) |
| 1,2,4,5-Tetrachlorobenzene | 1200 | 0 | 1100 | ug/Kg | 92 | | 0 | | 70 (52) | 130 (134) | 30 (20) |
| 1,4-Dioxane | 1200 | 0 | 980 | ug/Kg | 82 | | 0 | | 20 (46) | 160 (112) | 30 (20) |
| 2,3,4,6-Tetrachlorophenol | 1200 | 0 | 1600 | ug/Kg | 133 | * | 13 | | 70 (24) | 130 (146) | 30 (20) |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2826 **Analytical Method:** 8270E

**Client:** G Environmental **DataFile:** BP025402.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB169210BS | Benzaldehyde | 1700 | 1000 | ug/Kg | 59 | | | | 20 (10) | 160 (133) | |
| | Phenol | 1700 | 1700 | ug/Kg | 100 | | | | 20 (62) | 160 (112) | |
| | bis(2-Chloroethyl)ether | 1700 | 1500 | ug/Kg | 88 | | | | 70 (60) | 130 (101) | |
| | 2-Chlorophenol | 1700 | 1600 | ug/Kg | 94 | | | | 70 (65) | 130 (112) | |
| | 2-Methylphenol | 1700 | 1700 | ug/Kg | 100 | | | | 70 (61) | 130 (108) | |
| | 2,2-oxybis(1-Chloropropane) | 1700 | 1500 | ug/Kg | 88 | | | | 70 (51) | 130 (100) | |
| | Acetophenone | 1700 | 1500 | ug/Kg | 88 | | | | 70 (66) | 130 (98) | |
| | 3+4-Methylphenols | 1700 | 1600 | ug/Kg | 94 | | | | 20 (58) | 160 (111) | |
| | N-Nitroso-di-n-propylamine | 1700 | 1500 | ug/Kg | 88 | | | | 70 (63) | 130 (95) | |
| | Hexachloroethane | 1700 | 1500 | ug/Kg | 88 | | | | 20 (72) | 160 (108) | |
| | Nitrobenzene | 1700 | 1500 | ug/Kg | 88 | | | | 70 (57) | 130 (101) | |
| | Isophorone | 1700 | 1500 | ug/Kg | 88 | | | | 70 (59) | 130 (99) | |
| | 2-Nitrophenol | 1700 | 1600 | ug/Kg | 94 | | | | 70 (61) | 130 (111) | |
| | 2,4-Dimethylphenol | 1700 | 1700 | ug/Kg | 100 | | | | 70 (46) | 130 (141) | |
| | bis(2-Chloroethoxy)methane | 1700 | 1500 | ug/Kg | 88 | | | | 70 (66) | 130 (97) | |
| | 2,4-Dichlorophenol | 1700 | 1700 | ug/Kg | 100 | | | | 70 (62) | 130 (107) | |
| | Naphthalene | 1700 | 1500 | ug/Kg | 88 | | | | 70 (62) | 130 (100) | |
| | 4-Chloroaniline | 1700 | 1400 | ug/Kg | 82 | | | | 70 (16) | 130 (100) | |
| | Hexachlorobutadiene | 1700 | 1400 | ug/Kg | 82 | | | | 70 (53) | 130 (98) | |
| | Caprolactam | 1700 | 1600 | ug/Kg | 94 | | | | 20 (67) | 160 (110) | |
| | 4-Chloro-3-methylphenol | 1700 | 1700 | ug/Kg | 100 | | | | 70 (58) | 130 (112) | |
| | 2-Methylnaphthalene | 1700 | 1500 | ug/Kg | 88 | | | | 70 (60) | 130 (104) | |
| | Hexachlorocyclopentadiene | 3300 | 3100 | ug/Kg | 94 | | | | 20 (45) | 160 (165) | |
| | 2,4,6-Trichlorophenol | 1700 | 1700 | ug/Kg | 100 | | | | 70 (59) | 130 (102) | |
| | 2,4,5-Trichlorophenol | 1700 | 1700 | ug/Kg | 100 | | | | 70 (61) | 130 (98) | |
| | 1,1-Biphenyl | 1700 | 1600 | ug/Kg | 94 | | | | 70 (57) | 130 (103) | |
| | 2-Chloronaphthalene | 1700 | 1600 | ug/Kg | 94 | | | | 70 (58) | 130 (99) | |
| | 2-Nitroaniline | 1700 | 1600 | ug/Kg | 94 | | | | 70 (66) | 130 (101) | |
| | Dimethylphthalate | 1700 | 1600 | ug/Kg | 94 | | | | 70 (61) | 130 (99) | |
| | Acenaphthylene | 1700 | 1600 | ug/Kg | 94 | | | | 70 (63) | 130 (101) | |
| | 2,6-Dinitrotoluene | 1700 | 1700 | ug/Kg | 100 | | | | 70 (61) | 130 (104) | |
| | 3-Nitroaniline | 1700 | 1500 | ug/Kg | 88 | | | | 70 (28) | 130 (100) | |
| | Acenaphthene | 1700 | 1600 | ug/Kg | 94 | | | | 70 (57) | 130 (104) | |
| | 2,4-Dinitrophenol | 3300 | 3700 | ug/Kg | 112 | | | | 20 (37) | 160 (128) | |
| | 4-Nitrophenol | 3300 | 3500 | ug/Kg | 106 | | | | 20 (48) | 160 (119) | |
| | Dibenzofuran | 1700 | 1500 | ug/Kg | 88 | | | | 70 (63) | 130 (99) | |
| | 2,4-Dinitrotoluene | 1700 | 1700 | ug/Kg | 100 | | | | 70 (60) | 130 (106) | |
| | Diethylphthalate | 1700 | 1600 | ug/Kg | 94 | | | | 70 (60) | 130 (101) | |
| | 4-Chlorophenyl-phenylether | 1700 | 1500 | ug/Kg | 88 | | | | 70 (58) | 130 (98) | |
| | Fluorene | 1700 | 1500 | ug/Kg | 88 | | | | 70 (61) | 130 (101) | |
| | 4-Nitroaniline | 1700 | 1600 | ug/Kg | 94 | | | | 70 (64) | 130 (103) | |
| | 4,6-Dinitro-2-methylphenol | 1700 | 1700 | ug/Kg | 100 | | | | 70 (76) | 130 (113) | |
| | N-Nitrosodiphenylamine | 1700 | 1600 | ug/Kg | 94 | | | | 70 (71) | 130 (99) | |
| | 4-Bromophenyl-phenylether | 1700 | 1600 | ug/Kg | 94 | | | | 70 (66) | 130 (102) | |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2826 **Analytical Method:** 8270E

**Client:** G Environmental **DataFile:** BP025402.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB169210BS | Hexachlorobenzene | 1700 | 1600 | ug/Kg | 94 | | | | 70 (64) | 130 (98) | |
| | Atrazine | 1700 | 1600 | ug/Kg | 94 | | | | 70 (47) | 130 (152) | |
| | Pentachlorophenol | 3300 | 3200 | ug/Kg | 97 | | | | 20 (67) | 160 (105) | |
| | Phenanthrene | 1700 | 1600 | ug/Kg | 94 | | | | 70 (59) | 130 (103) | |
| | Anthracene | 1700 | 1600 | ug/Kg | 94 | | | | 70 (61) | 130 (105) | |
| | Carbazole | 1700 | 1600 | ug/Kg | 94 | | | | 70 (61) | 130 (99) | |
| | Di-n-butylphthalate | 1700 | 1600 | ug/Kg | 94 | | | | 70 (58) | 130 (104) | |
| | Fluoranthene | 1700 | 1600 | ug/Kg | 94 | | | | 70 (57) | 130 (107) | |
| | Pyrene | 1700 | 1600 | ug/Kg | 94 | | | | 70 (59) | 130 (103) | |
| | Butylbenzylphthalate | 1700 | 1600 | ug/Kg | 94 | | | | 70 (55) | 130 (103) | |
| | 3,3-Dichlorobenzidine | 1700 | 1300 | ug/Kg | 76 | | | | 70 (42) | 130 (91) | |
| | Benzo(a)anthracene | 1700 | 1600 | ug/Kg | 94 | | | | 70 (60) | 130 (102) | |
| | Chrysene | 1700 | 1600 | ug/Kg | 94 | | | | 70 (59) | 130 (101) | |
| | bis(2-Ethylhexyl)phthalate | 1700 | 1600 | ug/Kg | 94 | | | | 70 (54) | 130 (135) | |
| | Di-n-octyl phthalate | 1700 | 1600 | ug/Kg | 94 | | | | 70 (52) | 130 (137) | |
| | Benzo(b)fluoranthene | 1700 | 1600 | ug/Kg | 94 | | | | 70 (62) | 130 (109) | |
| | Benzo(k)fluoranthene | 1700 | 1600 | ug/Kg | 94 | | | | 70 (62) | 130 (109) | |
| | Benzo(a)pyrene | 1700 | 1600 | ug/Kg | 94 | | | | 70 (63) | 130 (103) | |
| | Indeno(1,2,3-cd)pyrene | 1700 | 1600 | ug/Kg | 94 | | | | 70 (63) | 130 (101) | |
| | Dibenz(a,h)anthracene | 1700 | 1600 | ug/Kg | 94 | | | | 70 (61) | 130 (112) | |
| | Benzo(g,h,i)perylene | 1700 | 1600 | ug/Kg | 94 | | | | 70 (70) | 130 (108) | |
| | 1,2,4,5-Tetrachlorobenzene | 1700 | 1500 | ug/Kg | 88 | | | | 70 (53) | 130 (101) | |
| | 1,4-Dioxane | 1700 | 1400 | ug/Kg | 82 | | | | 20 (50) | 160 (96) | |
| | 2,3,4,6-Tetrachlorophenol | 1700 | 1700 | ug/Kg | 100 | | | | 70 (59) | 130 (108) | |

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169210BL

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2826

Lab File ID: BF143366.D | Lab Sample ID: PB169210BL

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

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

Level: (low/med) LOW | Time Analyzed: 10:30

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| BIN0009-DRIVEWAY-TP-WESTSIDEMS | Q2830-05MS | BF143367.D | 08/13/2025 |
| BIN0009-DRIVEWAY-TP-WESTSIDEMSD | Q2830-05MSD | BF143368.D | 08/13/2025 |
| PB169210BS | PB169210BS | BP025402.D | 08/14/2025 |
| WC1 | Q2826-01 | BP025466.D | 08/18/2025 |

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2826

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

Instrument ID: BNA_F DFTPP Injection Time: 08:34

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 68 | Less than 2.0% of mass 69 | 0.5 ( 1.8 ) 1 |
| 69 | Mass 69 relative abundance | 29.6 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.5 ) 1 |
| 197 | Less than 2.0% of mass 198 | 0.5 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 5.5 |
| 365 | Greater than 1% of mass 198 | 2.9 |
| 441 | Present, but less than mass 443 | 15.1 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 19.4 (19.4) 2 |

1-Value is % mass 69

2-Value is % mass 442

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDICC2.5 | SSTDICC2.5 | BF143343.D | 08/12/2025 | 09:03 |
| SSTDICC005 | SSTDICC005 | BF143344.D | 08/12/2025 | 09:34 |
| SSTDICC010 | SSTDICC010 | BF143345.D | 08/12/2025 | 10:04 |
| SSTDICC020 | SSTDICC020 | BF143346.D | 08/12/2025 | 10:35 |
| SSTDICCC040 | SSTDICCC040 | BF143347.D | 08/12/2025 | 11:06 |
| SSTDICC050 | SSTDICC050 | BF143348.D | 08/12/2025 | 11:37 |
| SSTDICC060 | SSTDICC060 | BF143349.D | 08/12/2025 | 12:07 |
| SSTDICC080 | SSTDICC080 | BF143350.D | 08/12/2025 | 12:38 |

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2826

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

Instrument ID: BNA_F DFTPP Injection Time: 08:59

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

1-Value is % mass 69

2-Value is % mass 442

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDCCC040 | SSTDCCC040 | BF143365.D | 08/13/2025 | 10:00 |
| PB169210BL | PB169210BL | BF143366.D | 08/13/2025 | 10:30 |
| BIN0009-DRIVEWAY-TP-WESTSIDEMS | Q2830-05MS | BF143367.D | 08/13/2025 | 11:12 |
| BIN0009-DRIVEWAY-TP-WESTSIDEMSD | Q2830-05MSD | BF143368.D | 08/13/2025 | 11:42 |

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2826

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

Instrument ID: BNA_P DFTPP Injection Time: 10:30

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

1-Value is % mass 69

2-Value is % mass 442

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

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

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2826

Lab File ID: BP025454.D DFTPP Injection Date: 08/18/2025

Instrument ID: BNA_P DFTPP Injection Time: 08:34

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 68 | Less than 2.0% of mass 69 | 0.6 ( 1.8 ) 1 |
| 69 | Mass 69 relative abundance | 34.7 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.4 ) 1 |
| 197 | Less than 2.0% of mass 198 | 0.0 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 6.9 |
| 365 | Greater than 1% of mass 198 | 3.6 |
| 441 | Present, but less than mass 443 | 14 |
| 442 | Greater than 50% of mass 198 | 91.1 |
| 443 | 15.0 - 24.0% of mass 442 | 17.8 (19.5) 2 |

1-Value is % mass 69

2-Value is % mass 442

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDCCC040 | SSTDCCC040 | BP025455.D | 08/18/2025 | 10:39 |
| WC1 | Q2826-01 | BP025466.D | 08/18/2025 | 18:17 |

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2826

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

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

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

| | | IS1 (DCB) AREA # | RT # | IS2 (NPT) AREA # | RT # | IS3 (ANT) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 155874 | 6.934 | 589243 | 8.21 | 314886 | 9.96 |
| | UPPER LIMIT | 311748 | 7.434 | 1178490 | 8.71 | 629772 | 10.463 |
| | LOWER LIMIT | 77937 | 6.434 | 294622 | 7.71 | 157443 | 9.463 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB169210BL | 176496 | 6.93 | 674917 | 8.21 | 354793 | 9.96 |
| 02 | BIN0009-DRIVEWAY-TP-WESTSIDEMS | 137804 | 6.93 | 517024 | 8.21 | 272568 | 9.96 |
| 03 | BIN0009-DRIVEWAY-TP-WESTSIDEMS | 182122 | 6.93 | 707644 | 8.21 | 400799 | 9.97 |

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2826

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

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

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

| | | IS4 (PHN) AREA # | RT # | IS5 (CRY) AREA # | RT # | IS6 (PRY) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 455320 | 11.451 | 268507 | 14.092 | 321267 | 15.58 |
| | UPPER LIMIT | 910640 | 11.951 | 537014 | 14.592 | 642534 | 16.08 |
| | LOWER LIMIT | 227660 | 10.951 | 134254 | 13.592 | 160634 | 15.08 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB169210BL | 604678 | 11.45 | 338429 | 14.09 | 291238 | 15.58 |
| 02 | BIN0009-DRIVEWAY-TP-WESTSI | 391965 | 11.45 | 309493 | 14.09 | 383464 | 15.58 |
| 03 | BIN0009-DRIVEWAY-TP-WESTSI | 660496 | 11.45 | 401162 | 14.09 | 380758 | 15.58 |

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2826

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

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

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

| | | IS1 (DCB) AREA # | RT # | IS2 (NPT) AREA # | RT # | IS3 (ANT) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 157704 | 7.796 | 663553 | 10.56 | 441110 | 14.41 |
| | UPPER LIMIT | 315408 | 8.296 | 1327110 | 11.06 | 882220 | 14.907 |
| | LOWER LIMIT | 78852 | 7.296 | 331777 | 10.06 | 220555 | 13.907 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB169210BS | 156059 | 7.79 | 650560 | 10.56 | 435539 | 14.41 |

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2826

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

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

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

| | | IS4 (PHN) AREA # | RT # | IS5 (CRY) AREA # | RT # | IS6 (PRY) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 884529 | 17.201 | 899207 | 21.648 | 1022140 | 25.03 |
| | UPPER LIMIT | 1769060 | 17.701 | 1798410 | 22.148 | 2044280 | 25.53 |
| | LOWER LIMIT | 442265 | 16.701 | 449604 | 21.148 | 511070 | 24.53 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB169210BS | 895607 | 17.20 | 937531 | 21.65 | 1016820 | 25.02 |

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2826

Client ID : SSTDCCC040 Date Analyzed: 08/18/2025

Lab File ID: BP025455.D Time Analyzed: 10:39

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

| | | IS1 (DCB) AREA # | RT # | IS2 (NPT) AREA # | RT # | IS3 (ANT) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 129439 | 7.778 | 550485 | 10.55 | 359982 | 14.40 |
| | UPPER LIMIT | 258878 | 8.278 | 1100970 | 11.048 | 719964 | 14.901 |
| | LOWER LIMIT | 64719.5 | 7.278 | 275243 | 10.048 | 179991 | 13.901 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | WC1 | 171293 | 7.79 | 683551 | 10.55 | 427689 | 14.40 |

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2826

Client ID: SSTDCCC040 Date Analyzed: 08/18/2025

Lab File ID: BP025455.D Time Analyzed: 10:39

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

| | | IS4 (PHN) AREA # | RT # | IS5 (CRY) AREA # | RT # | IS6 (PRY) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 707933 | 17.189 | 748424 | 21.63 | 846697 | 25 |
| | UPPER LIMIT | 1415870 | 17.689 | 1496850 | 22.13 | 1693390 | 25.5 |
| | LOWER LIMIT | 353967 | 16.689 | 374212 | 21.13 | 423349 | 24.5 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | WC1 | 882062 | 17.20 | 894833 | 21.64 | 1035070 | 25.01 |

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

# QC SAMPLE DATA

Raw Data: **BF143366.D**

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Ave B | | | Date Received: | |
| Client Sample ID: | PB169210BL | | | SDG No.: | Q2826 |
| Lab Sample ID: | PB169210BL | | | Matrix: | SOIL |
| Analytical Method: | 8270E | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.03 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group1 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143366.D | 1 | 08/12/25 09:15 | 08/13/25 10:30 | PB169210 |

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

Raw Data: **BF143366.D**

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Ave B | | | Date Received: | |
| Client Sample ID: | PB169210BL | | | SDG No.: | Q2826 |
| Lab Sample ID: | PB169210BL | | | Matrix: | SOIL |
| Analytical Method: | 8270E | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.03 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group1 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143366.D | 1 | 08/12/25 09:15 | 08/13/25 10:30 | PB169210 |

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

Raw Data: **BF143366.D**

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Ave B | | | Date Received: | |
| Client Sample ID: | PB169210BL | | | SDG No.: | Q2826 |
| Lab Sample ID: | PB169210BL | | | Matrix: | SOIL |
| Analytical Method: | 8270E | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.03 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group1 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143366.D | 1 | 08/12/25 09:15 | 08/13/25 10:30 | PB169210 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 22.4 | U | 22.4 | 170 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 29.5 | U | 29.5 | 170 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 29.1 | U | 29.1 | 170 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 27.4 | U | 27.4 | 170 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 25.7 | U | 25.7 | 170 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 25.6 | U | 25.6 | 170 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 45.2 | U | 45.2 | 170 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 27.4 | U | 27.4 | 170 | ug/Kg |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 123 | | 30 (18) - 130 (112) | 82% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 120 | | 30 (15) - 130 (107) | 80% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 97.5 | | 30 (18) - 130 (107) | 98% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 90.2 | | 30 (20) - 130 (109) | 90% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 166 | | 30 (10) - 130 (116) | 110% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 101 | | 30 (10) - 130 (105) | 101% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 176000 | 6.928 | | | |
| 1146-65-2 | Naphthalene-d8 | 675000 | 8.21 | | | |
| 15067-26-2 | Acenaphthene-d10 | 355000 | 9.963 | | | |
| 1517-22-2 | Phenanthrene-d10 | 605000 | 11.451 | | | |
| 1719-03-5 | Chrysene-d12 | 338000 | 14.086 | | | |
| 1520-96-3 | Perylene-d12 | 291000 | 15.58 | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | |
| 000994-05-8 | Butane, 2-methoxy-2-methyl- | 86.9 | J | | 2.32 | ug/Kg |
| 000123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl- | 340 | A | | 5.18 | ug/Kg |

Raw Data: **BF143366.D**

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Ave B | | | Date Received: | |
| Client Sample ID: | PB169210BL | | | SDG No.: | Q2826 |
| Lab Sample ID: | PB169210BL | | | Matrix: | SOIL |
| Analytical Method: | 8270E | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.03 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group1 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143366.D | 1 | 08/12/25 09:15 | 08/13/25 10:30 | PB169210 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|

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

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

Raw Data: **BP025402.D**

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Ave B | | | Date Received: | |
| Client Sample ID: | PB169210BS | | | SDG No.: | Q2826 |
| Lab Sample ID: | PB169210BS | | | Matrix: | SOIL |
| Analytical Method: | 8270E | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group1 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

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

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

Raw Data: **BP025402.D**

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Ave B | | | Date Received: | |
| Client Sample ID: | PB169210BS | | | SDG No.: | Q2826 |
| Lab Sample ID: | PB169210BS | | | Matrix: | SOIL |
| Analytical Method: | 8270E | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group1 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

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

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 1600 | | 28.9 | 170 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 1700 | | 33.6 | 170 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 1500 | | 46.0 | 170 | ug/Kg |
| 83-32-9 | Acenaphthene | 1600 | | 21.3 | 170 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 3700 | E | 230 | 330 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 3500 | E | 110 | 330 | ug/Kg |
| 132-64-9 | Dibenzofuran | 1500 | | 22.7 | 170 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 1700 | | 50.1 | 170 | ug/Kg |
| 84-66-2 | Diethylphthalate | 1600 | | 28.3 | 170 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1500 | | 26.7 | 170 | ug/Kg |
| 86-73-7 | Fluorene | 1500 | | 25.3 | 170 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 1600 | | 64.2 | 170 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1700 | | 100 | 330 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 1600 | | 32.9 | 170 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 1600 | | 27.8 | 170 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 1600 | | 25.3 | 170 | ug/Kg |
| 1912-24-9 | Atrazine | 1600 | | 34.0 | 170 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 3200 | E | 51.3 | 330 | ug/Kg |
| 85-01-8 | Phenanthrene | 1600 | | 20.9 | 170 | ug/Kg |
| 120-12-7 | Anthracene | 1600 | | 33.3 | 170 | ug/Kg |
| 86-74-8 | Carbazole | 1600 | | 31.2 | 170 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 1600 | | 47.9 | 170 | ug/Kg |
| 206-44-0 | Fluoranthene | 1600 | | 30.0 | 170 | ug/Kg |
| 129-00-0 | Pyrene | 1600 | | 36.0 | 170 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 1600 | | 71.4 | 170 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 1300 | | 36.7 | 330 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 1600 | | 23.0 | 170 | ug/Kg |
| 218-01-9 | Chrysene | 1600 | | 19.9 | 170 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 1600 | | 59.2 | 170 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 1600 | | 86.7 | 330 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 1600 | | 19.0 | 170 | ug/Kg |

Raw Data: **BP025402.D**

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Ave B | | | Date Received: | |
| Client Sample ID: | PB169210BS | | | SDG No.: | Q2826 |
| Lab Sample ID: | PB169210BS | | | Matrix: | SOIL |
| Analytical Method: | 8270E | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group1 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

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

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 1600 | | 22.4 | 170 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 1600 | | 29.5 | 170 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1600 | | 29.1 | 170 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 1600 | | 27.4 | 170 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 1600 | | 25.7 | 170 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 1500 | | 25.6 | 170 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 1400 | | 45.2 | 170 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 1700 | | 27.4 | 170 | ug/Kg |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 136 | | 30 (18) - 130 (112) | 91% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 138 | | 30 (15) - 130 (107) | 92% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 79.6 | | 30 (18) - 130 (107) | 80% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 79.7 | | 30 (20) - 130 (109) | 80% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 138 | | 30 (10) - 130 (116) | 92% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 83.1 | | 30 (10) - 130 (105) | 83% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 156000 | 7.79 | | | |
| 1146-65-2 | Naphthalene-d8 | 651000 | 10.56 | | | |
| 15067-26-2 | Acenaphthene-d10 | 436000 | 14.413 | | | |
| 1517-22-2 | Phenanthrene-d10 | 896000 | 17.201 | | | |
| 1719-03-5 | Chrysene-d12 | 938000 | 21.648 | | | |
| 1520-96-3 | Perylene-d12 | 1020000 | 25.018 | | | |

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

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

Raw Data: **BF143367.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 08/11/25 |
| Project: | Ave B | Date Received: | 08/11/25 |
| Client Sample ID: | BIN0009-DRIVEWAY-TP-WESTSIDEMS | SDG No.: | Q2826 |
| Lab Sample ID: | Q2830-05MS | Matrix: | SOIL |
| Analytical Method: | 8270E | % Solid: | 81 |
| Sample Wt/Vol: | 50.01 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143367.D | 1 | 08/12/25 09:15 | 08/13/25 11:12 | PB169210 |

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

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 08/11/25 |
| Project: | Ave B | Date Received: | 08/11/25 |
| Client Sample ID: | BIN0009-DRIVEWAY-TP-WESTSIDEMS | SDG No.: | Q2826 |
| Lab Sample ID: | Q2830-05MS | Matrix: | SOIL |
| Analytical Method: | 8270E | % Solid: | 81 |
| Sample Wt/Vol: | 50.01 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143367.D | 1 | 08/12/25 09:15 | 08/13/25 11:12 | PB169210 |

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

Raw Data: **BF143367.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 08/11/25 |
| Project: | Ave B | Date Received: | 08/11/25 |
| Client Sample ID: | BIN0009-DRIVEWAY-TP-WESTSIDEMS | SDG No.: | Q2826 |
| Lab Sample ID: | Q2830-05MS | Matrix: | SOIL |
| Analytical Method: | 8270E | % Solid: | 81 |
| Sample Wt/Vol: | 50.01 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143367.D | 1 | 08/12/25 09:15 | 08/13/25 11:12 | PB169210 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 1100 | | 16.6 | 130 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 1200 | | 21.8 | 130 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1100 | | 21.6 | 130 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 1100 | | 20.3 | 130 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 1100 | | 19.0 | 130 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 1100 | | 19.0 | 130 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 980 | | 33.5 | 130 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 1400 | | 20.3 | 130 | ug/Kg |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 95.7 | | 30 (18) - 130 (112) | 64% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 95.4 | | 30 (15) - 130 (107) | 64% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 75.4 | | 30 (18) - 130 (107) | 75% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 68.9 | | 30 (20) - 130 (109) | 69% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 121 | | 30 (10) - 130 (116) | 81% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 58.4 | | 30 (10) - 130 (105) | 58% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 138000 | 6.928 | | | |
| 1146-65-2 | Naphthalene-d8 | 517000 | 8.21 | | | |
| 15067-26-2 | Acenaphthene-d10 | 273000 | 9.963 | | | |
| 1517-22-2 | Phenanthrene-d10 | 392000 | 11.451 | | | |
| 1719-03-5 | Chrysene-d12 | 309000 | 14.092 | | | |
| 1520-96-3 | Perylene-d12 | 383000 | 15.58 | | | |

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

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

Raw Data: **BF143368.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 08/11/25 |
| Project: | Ave B | Date Received: | 08/11/25 |
| Client Sample ID: | BIN0009-DRIVEWAY-TP-WESTSIDEMSD | SDG No.: | Q2826 |
| Lab Sample ID: | Q2830-05MSD | Matrix: | SOIL |
| Analytical Method: | 8270E | % Solid: | 81 |
| Sample Wt/Vol: | 50.03 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143368.D | 1 | 08/12/25 09:15 | 08/13/25 11:42 | PB169210 |

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

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 08/11/25 |
| Project: | Ave B | Date Received: | 08/11/25 |
| Client Sample ID: | BIN0009-DRIVEWAY-TP-WESTSIDEMSD | SDG No.: | Q2826 |
| Lab Sample ID: | Q2830-05MSD | Matrix: | SOIL |
| Analytical Method: | 8270E | % Solid: | 81 |
| Sample Wt/Vol: | 50.03 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143368.D | 1 | 08/12/25 09:15 | 08/13/25 11:42 | PB169210 |

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

Raw Data: **BF143368.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 08/11/25 |
| Project: | Ave B | Date Received: | 08/11/25 |
| Client Sample ID: | BIN0009-DRIVEWAY-TP-WESTSIDEMSD | SDG No.: | Q2826 |
| Lab Sample ID: | Q2830-05MSD | Matrix: | SOIL |
| Analytical Method: | 8270E | % Solid: | 81 |
| Sample Wt/Vol: | 50.03 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143368.D | 1 | 08/12/25 09:15 | 08/13/25 11:42 | PB169210 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 1300 | | 16.6 | 130 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 1200 | | 21.8 | 130 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1100 | | 21.5 | 130 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 1200 | | 20.3 | 130 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 1100 | | 19.0 | 130 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 1100 | | 19.0 | 130 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 980 | | 33.5 | 130 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 1600 | | 20.3 | 130 | ug/Kg |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 97.8 | | 30 (18) - 130 (112) | 65% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 101 | | 30 (15) - 130 (107) | 67% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 77.3 | | 30 (18) - 130 (107) | 77% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 65.9 | | 30 (20) - 130 (109) | 66% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 142 | | 30 (10) - 130 (116) | 95% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 77.5 | | 30 (10) - 130 (105) | 78% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 182000 | 6.928 | | | |
| 1146-65-2 | Naphthalene-d8 | 708000 | 8.21 | | | |
| 15067-26-2 | Acenaphthene-d10 | 401000 | 9.969 | | | |
| 1517-22-2 | Phenanthrene-d10 | 660000 | 11.451 | | | |
| 1719-03-5 | Chrysene-d12 | 401000 | 14.092 | | | |
| 1520-96-3 | Perylene-d12 | 381000 | 15.58 | | | |

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

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

# CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF081225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Aug 12 13:25:39 2025
Response Via : Initial Calibration

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

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

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

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

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

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

(#) = Out of Range

Response Factor Report MSBNA_P

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

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

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

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

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

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

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

(#) = Out of Range

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2826

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

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

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

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

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

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2826

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

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

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

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

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

All other compounds must meet a minimum RRF of 0.010.

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2826

Instrument ID: BNA_P Calibration Date/Time: 08/18/2025 10:39

Lab File ID: BP025455.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.204 | 1.235 | | 2.6 | |
| Benzaldehyde | 1.082 | 1.303 | | 20.4 | |
| Phenol-d6 | 1.544 | 1.590 | | 3.0 | |
| Phenol | 1.620 | 1.656 | | 2.2 | 20.0 |
| bis(2-Chloroethyl)ether | 1.263 | 1.286 | | 1.8 | |
| 2-Chlorophenol | 1.359 | 1.381 | | 1.6 | |
| 2-Methylphenol | 1.125 | 1.153 | | 2.5 | |
| 2,2-oxybis(1-Chloropropane) | 1.692 | 1.765 | | 4.3 | |
| Acetophenone | 0.502 | 0.501 | | -0.2 | |
| 3+4-Methylphenols | 1.560 | 1.576 | | 1.0 | |
| n-Nitroso-di-n-propylamine | 1.023 | 1.040 | 0.050 | 1.7 | |
| Nitrobenzene-d5 | 0.395 | 0.398 | | 0.8 | |
| Hexachloroethane | 0.563 | 0.576 | | 2.3 | |
| Nitrobenzene | 0.353 | 0.357 | | 1.1 | |
| Isophorone | 0.700 | 0.685 | | -2.1 | |
| 2-Nitrophenol | 0.181 | 0.183 | | 1.1 | 20.0 |
| 2,4-Dimethylphenol | 0.312 | 0.308 | | -1.3 | |
| bis(2-Chloroethoxy)methane | 0.423 | 0.425 | | 0.5 | |
| 2,4-Dichlorophenol | 0.310 | 0.317 | | 2.3 | 20.0 |
| Naphthalene | 1.040 | 1.026 | | -1.3 | |
| 4-Chloroaniline | 0.459 | 0.458 | | -0.2 | |
| Hexachlorobutadiene | 0.211 | 0.207 | | -1.9 | 20.0 |
| Caprolactam | 0.114 | 0.113 | | -0.9 | |
| 4-Chloro-3-methylphenol | 0.355 | 0.363 | | 2.3 | 20.0 |
| 2-Methylnaphthalene | 0.676 | 0.668 | | -1.2 | |
| Hexachlorocyclopentadiene | 0.349 | 0.479 | 0.050 | 37.2 | |
| 2,4,6-Trichlorophenol | 0.390 | 0.407 | | 4.4 | 20.0 |
| 2-Fluorobiphenyl | 1.463 | 1.437 | | -1.8 | |
| 2,4,5-Trichlorophenol | 0.427 | 0.443 | | 3.7 | |
| 1,1-Biphenyl | 1.453 | 1.458 | | 0.3 | |
| 2-Chloronaphthalene | 1.131 | 1.121 | | -0.9 | |
| 2-Nitroaniline | 0.329 | 0.352 | | 7.0 | |
| Dimethylphthalate | 1.465 | 1.456 | | -0.6 | |
| Acenaphthylene | 1.871 | 1.865 | | -0.3 | |
| 2,6-Dinitrotoluene | 0.309 | 0.319 | | 3.2 | |
| 3-Nitroaniline | 0.347 | 0.358 | | 3.2 | |
| Acenaphthene | 1.098 | 1.088 | | -0.9 | 20.0 |
| 2,4-Dinitrophenol | 0.165 | 0.167 | 0.050 | 1.2 | |
| 4-Nitrophenol | 0.285 | 0.290 | 0.050 | 1.8 | |

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2826

Instrument ID: BNA_P Calibration Date/Time: 08/18/2025 10:39

Lab File ID: BP025455.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dibenzofuran | 1.736 | 1.717 | | -1.1 | |
| 2,4-Dinitrotoluene | 0.440 | 0.450 | | 2.3 | |
| Diethylphthalate | 1.488 | 1.500 | | 0.8 | |
| 4-Chlorophenyl-phenylether | 0.681 | 0.663 | | -2.6 | |
| Fluorene | 1.370 | 1.347 | | -1.7 | |
| 4-Nitroaniline | 0.356 | 0.365 | | 2.5 | |
| 4,6-Dinitro-2-methylphenol | 0.125 | 0.116 | | -7.2 | |
| n-Nitrosodiphenylamine | 0.610 | 0.623 | | 2.1 | 20.0 |
| 2,4,6-Tribromophenol | 0.269 | 0.270 | | 0.4 | |
| 4-Bromophenyl-phenylether | 0.220 | 0.224 | | 1.8 | |
| Hexachlorobenzene | 0.255 | 0.253 | | -0.8 | |
| Atrazine | 0.228 | 0.233 | | 2.2 | |
| Pentachlorophenol | 0.161 | 0.154 | | -4.3 | 20.0 |
| Phenanthrene | 1.099 | 1.124 | | 2.3 | |
| Anthracene | 1.122 | 1.138 | | 1.4 | |
| Carbazole | 1.057 | 1.069 | | 1.1 | |
| Di-n-butylphthalate | 1.300 | 1.334 | | 2.6 | |
| Fluoranthene | 1.311 | 1.325 | | 1.1 | 20.0 |
| Pyrene | 1.300 | 1.310 | | 0.8 | |
| Terphenyl-d14 | 1.093 | 1.084 | | -0.8 | |
| Butylbenzylphthalate | 0.589 | 0.592 | | 0.5 | |
| 3,3-Dichlorobenzidine | 0.497 | 0.490 | | -1.4 | |
| Benzo(a)anthracene | 1.319 | 1.322 | | 0.2 | |
| Chrysene | 1.235 | 1.263 | | 2.3 | |
| Bis(2-ethylhexyl)phthalate | 0.867 | 0.880 | | 1.5 | |
| Di-n-octyl phthalate | 1.492 | 1.489 | | -0.2 | 20.0 |
| Benzo(b)fluoranthene | 1.179 | 1.212 | | 2.8 | |
| Benzo(k)fluoranthene | 1.180 | 1.195 | | 1.3 | |
| Benzo(a)pyrene | 1.148 | 1.152 | | 0.3 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.467 | 1.451 | | -1.1 | |
| Dibenzo(a,h)anthracene | 1.199 | 1.196 | | -0.3 | |
| Benzo(g,h,i)perylene | 1.178 | 1.171 | | -0.6 | |
| 1,2,4,5-Tetrachlorobenzene | 0.578 | 0.569 | | -1.6 | |
| 1,4-Dioxane | 0.472 | 0.474 | | 0.4 | 20.0 |
| 2,3,4,6-Tetrachlorophenol | 0.377 | 0.395 | | 4.8 | |

All other compounds must meet a minimum RRF of 0.010.

# SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025466.D
Acq On : 18 Aug 2025 18:17
Operator : CG/JU
Sample : Q2826-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
WC1

Quant Time: Aug 18 18:38:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

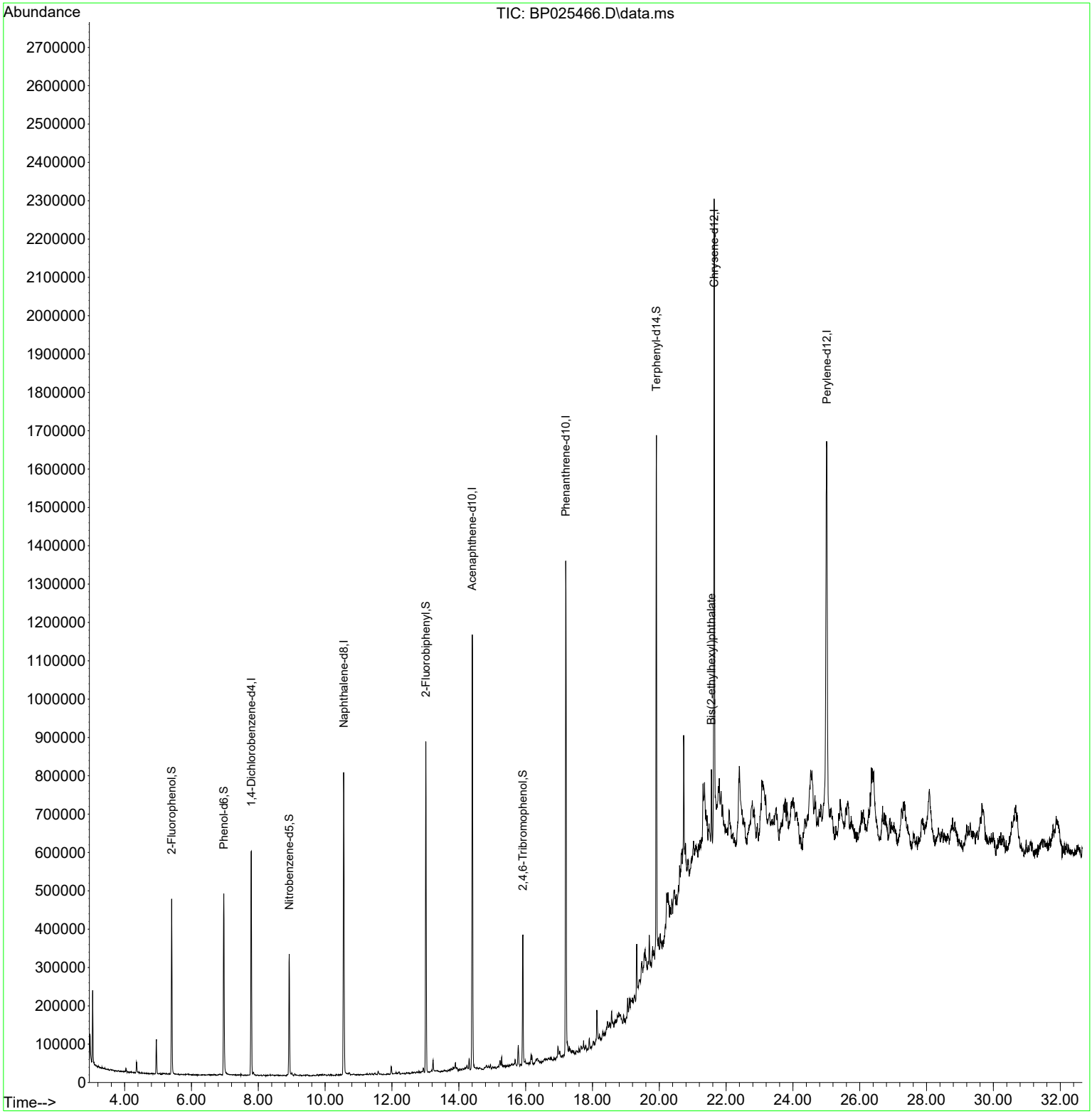
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.790 | 152 | 171293 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.554 | 136 | 683551 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.401 | 164 | 427689 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.201 | 188 | 882062 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.642 | 240 | 894833 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 25.013 | 264 | 1035074 | 20.000 | ng | -0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.408 | 112 | 196413 | 19.042 | ng | 0.00 |
| 7) Phenol-d6 | 6.966 | 99 | 275769 | 20.854 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.925 | 82 | 177506 | 13.136 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.919 | 330 | 67758 | 11.770 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.013 | 172 | 429854 | 13.736 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.913 | 244 | 700118 | 14.315 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 84) Bis(2-ethylhexyl)phtha... | 21.560 | 149 | 92036 | 2.372 | ng | 99 |

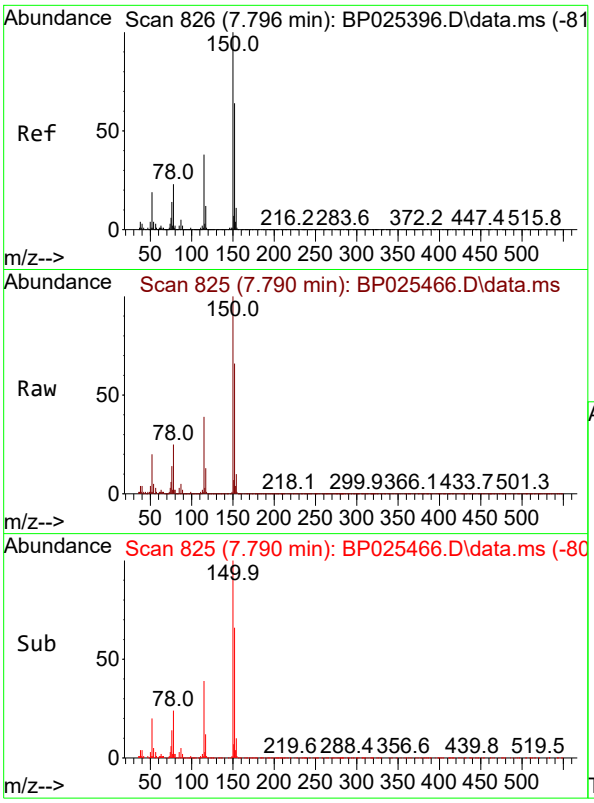
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025466.D
Acq On : 18 Aug 2025 18:17
Operator : CG/JU
Sample : Q2826-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
WC1

Quant Time: Aug 18 18:38:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



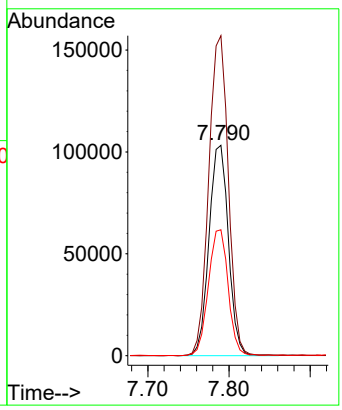


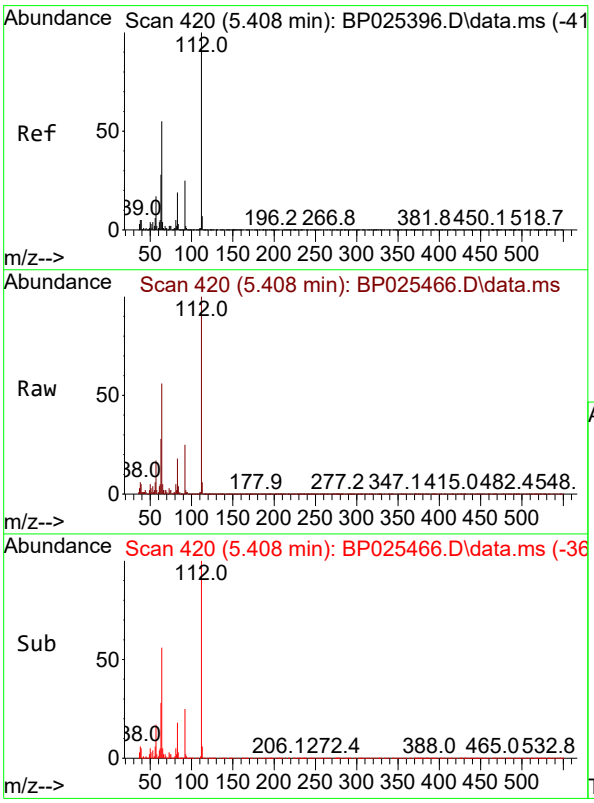

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025466.D
Acq: 18 Aug 2025 18:17

**Instrument :**
BNA_P
**ClientSampleId :**
WC1

Tgt Ion:152 Resp: 171293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 152.0 | 125.9 | 188.9 |
| 115 | 59.9 | 48.5 | 72.7 |

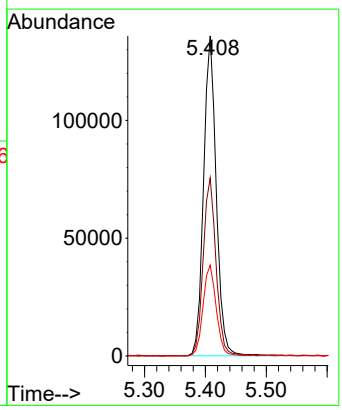


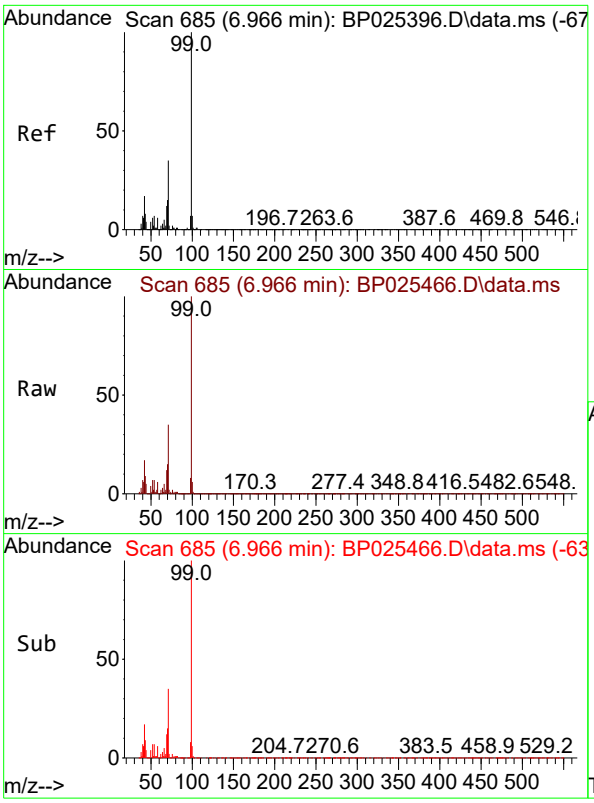




#5
2-Fluorophenol
Concen: 19.042 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025466.D
Acq: 18 Aug 2025 18:17

Tgt Ion:112 Resp: 196413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 55.7 | 43.8 | 65.8 |
| 63 | 28.4 | 22.7 | 34.1 |



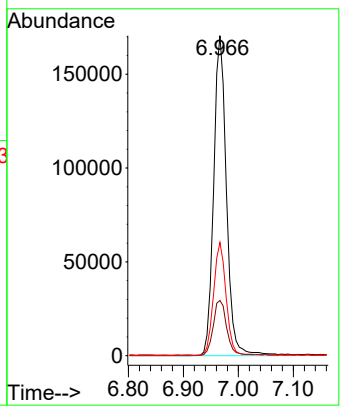


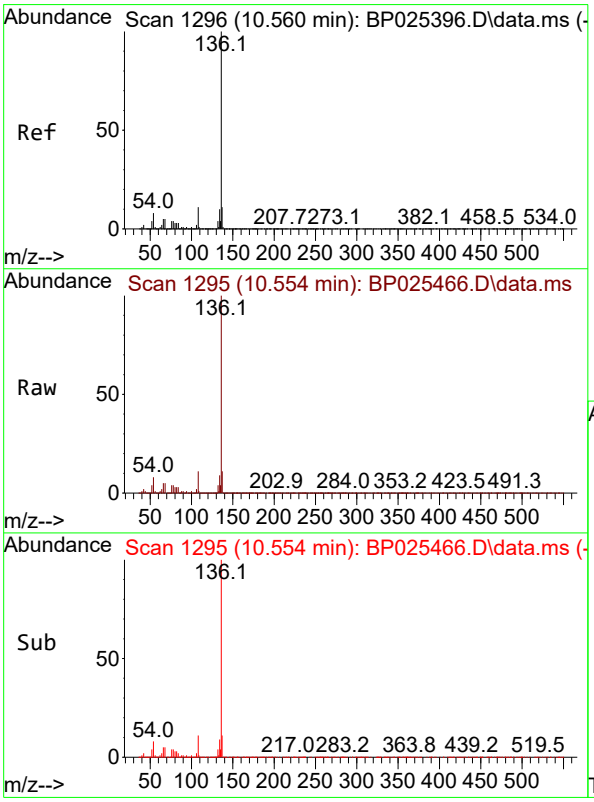

#7
Phenol-d6
Concen: 20.854 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025466.D
Acq: 18 Aug 2025 18:17

**Instrument :**
BNA_P
**ClientSampleId :**
WC1

Tgt Ion: 99 Resp: 275769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.3 | 13.7 | 20.5 |
| 71 | 35.4 | 28.2 | 42.4 |

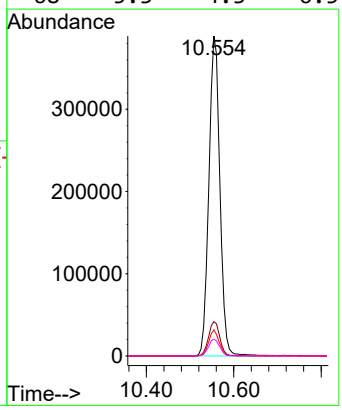


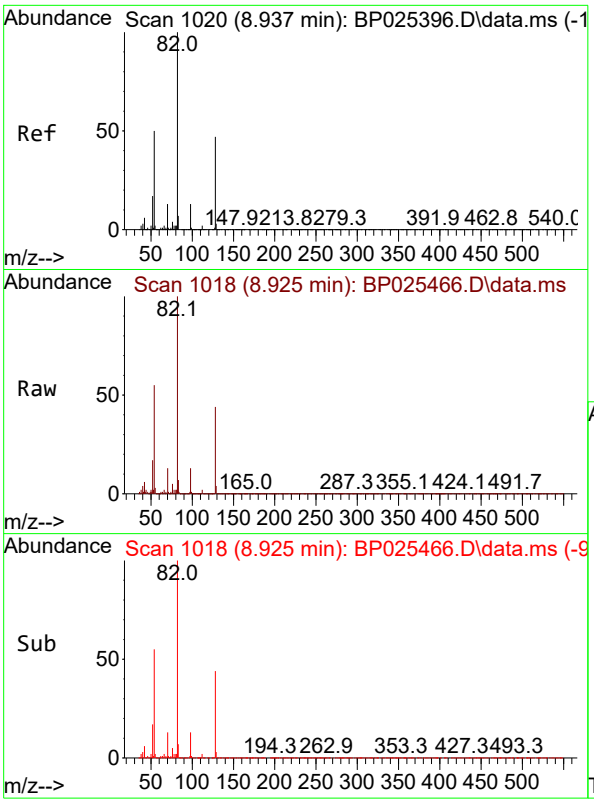




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025466.D
Acq: 18 Aug 2025 18:17

Tgt Ion:136 Resp: 683551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 9.2 | 13.8 |
| 54 | 8.2 | 6.0 | 9.0 |
| 68 | 5.3 | 4.3 | 6.5 |



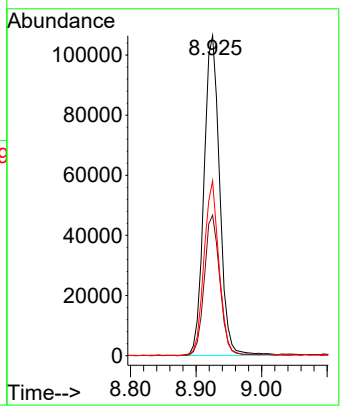


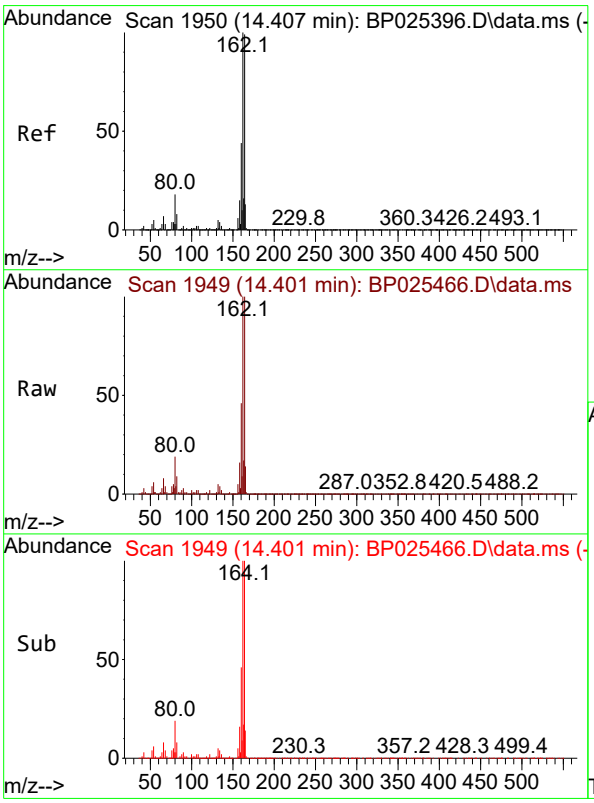

#23
Nitrobenzene-d5
Concen: 13.136 ng
RT: 8.925 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025466.D
Acq: 18 Aug 2025 18:17

**Instrument :**
BNA_P
**ClientSampleId :**
WC1

Tgt Ion: 82 Resp: 177506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.9 | 37.7 | 56.5 |
| 54 | 54.7 | 39.8 | 59.6 |

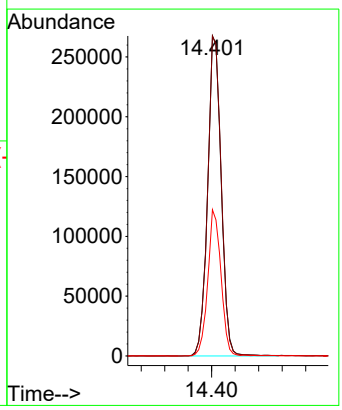


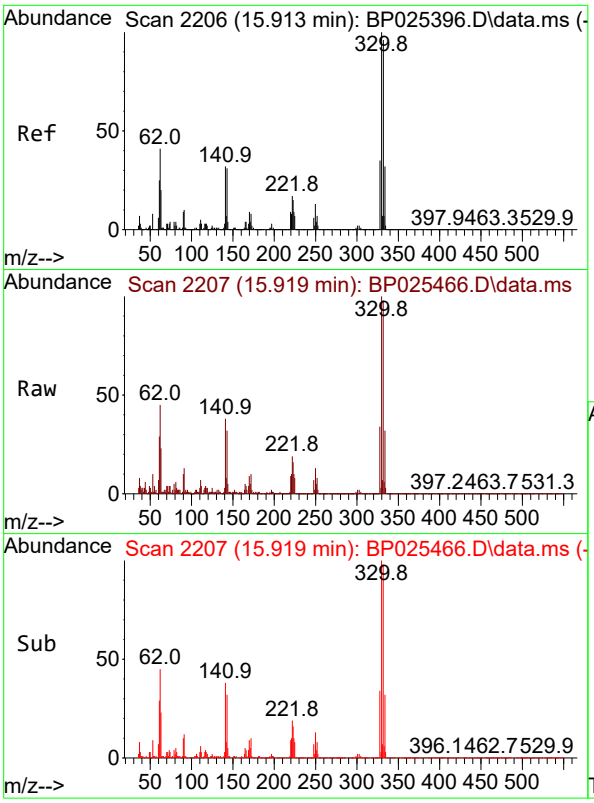




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP025466.D
Acq: 18 Aug 2025 18:17

Tgt Ion:164 Resp: 427689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.0 | 81.0 | 121.6 |
| 160 | 45.7 | 35.4 | 53.2 |



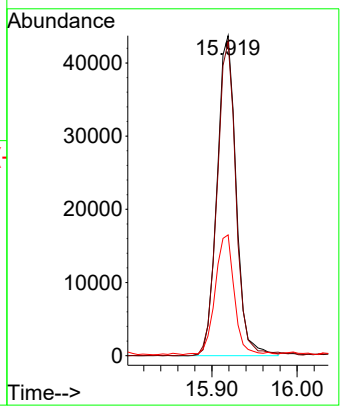


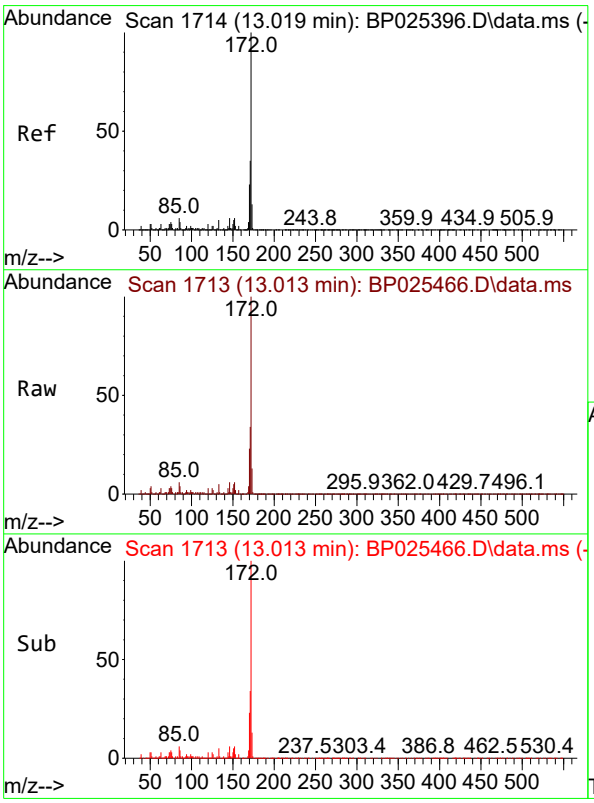

#42
2,4,6-Tribromophenol
Concen: 11.770 ng
RT: 15.919 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025466.D
Acq: 18 Aug 2025 18:17

**Instrument :**
BNA_P
**ClientSampleId :**
WC1

Tgt Ion:330 Resp: 67758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.8 | 77.3 | 115.9 |
| 141 | 37.4 | 26.6 | 39.8 |

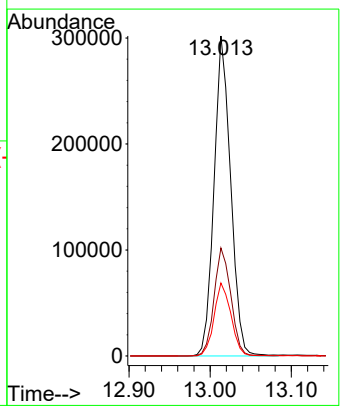


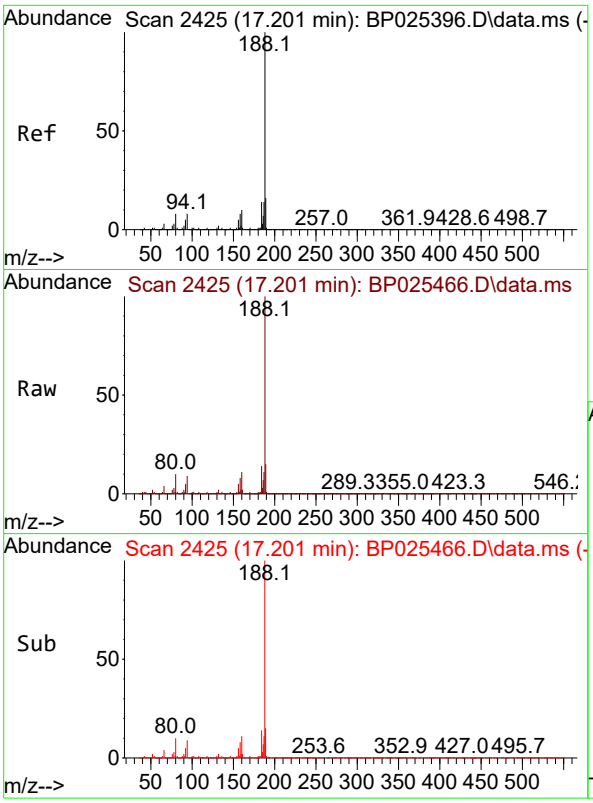




#45
2-Fluorobiphenyl
Concen: 13.736 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025466.D
Acq: 18 Aug 2025 18:17

Tgt Ion:172 Resp: 429854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 33.8 | 28.1 | 42.1 |
| 170 | 22.8 | 18.6 | 28.0 |



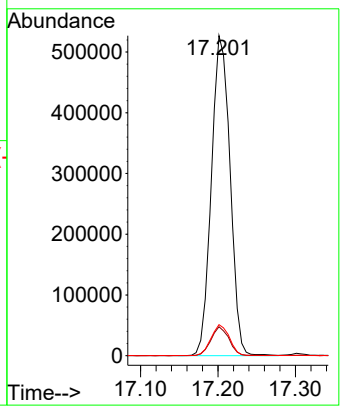


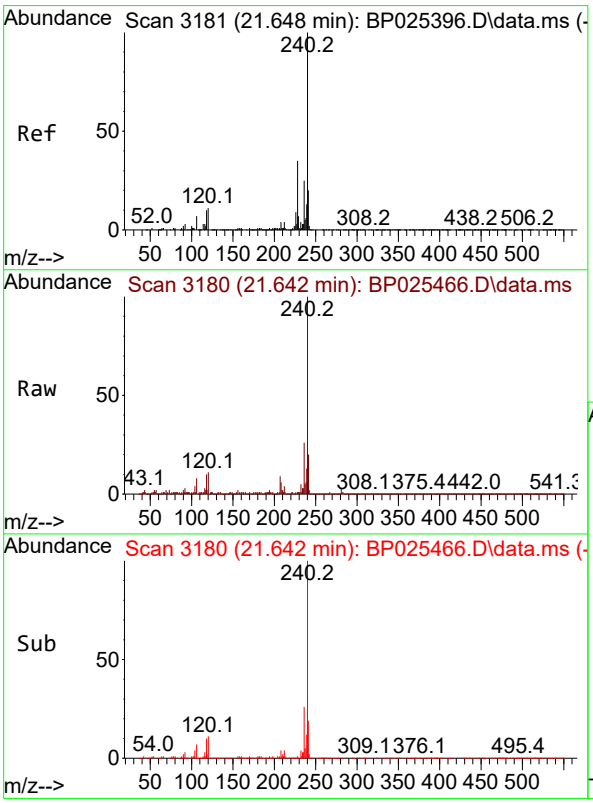

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025466.D
Acq: 18 Aug 2025 18:17

**Instrument :**
BNA_P
**ClientSampleId :**
WC1

Tgt Ion:188 Resp: 882062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.0 | 6.6 | 10.0 |
| 80 | 9.7 | 6.7 | 10.1 |

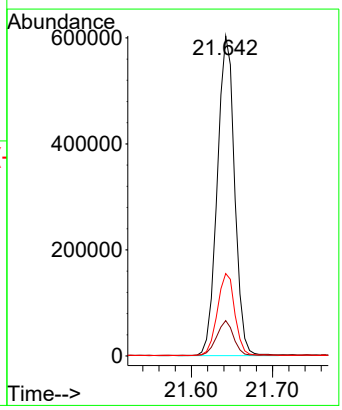


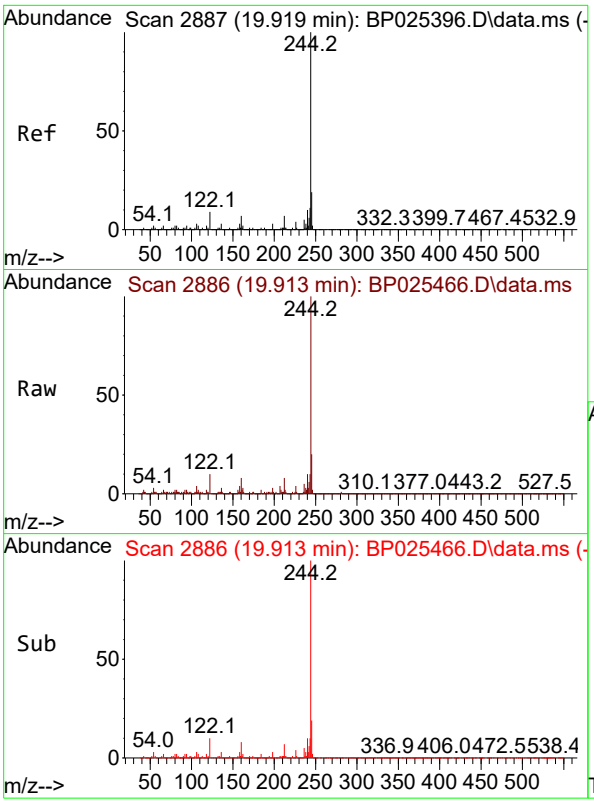




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025466.D
Acq: 18 Aug 2025 18:17

Tgt Ion:240 Resp: 894833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.0 | 8.9 | 13.3 |
| 236 | 25.8 | 19.8 | 29.8 |



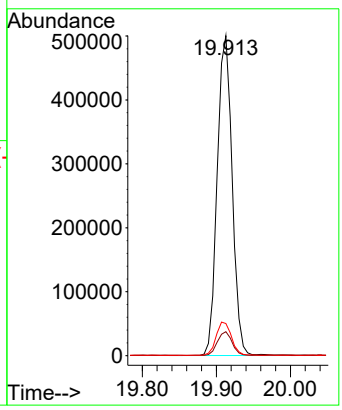


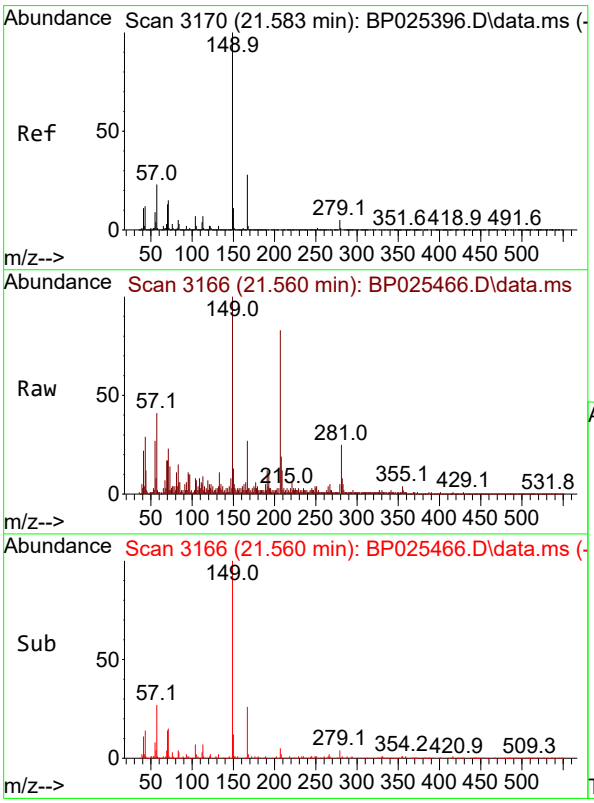

#79
Terphenyl-d14
Concen: 14.315 ng
RT: 19.913 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025466.D
Acq: 18 Aug 2025 18:17

**Instrument :**
BNA_P
**ClientSampleId :**
WC1

Tgt Ion:244 Resp: 700118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.5 | 5.8 | 8.6 |
| 122 | 10.0 | 7.4 | 11.2 |

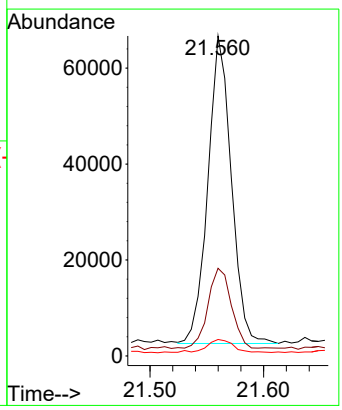


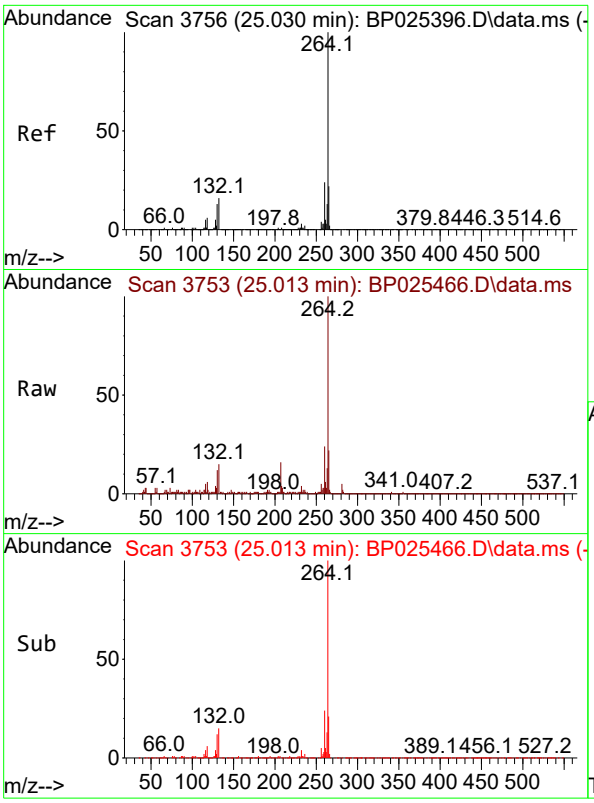




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.372 ng
RT: 21.560 min Scan# 3166
Delta R.T. -0.023 min
Lab File: BP025466.D
Acq: 18 Aug 2025 18:17

Tgt Ion:149 Resp: 92036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.4 | 22.1 | 33.1 |
| 279 | 5.2 | 3.8 | 5.6 |



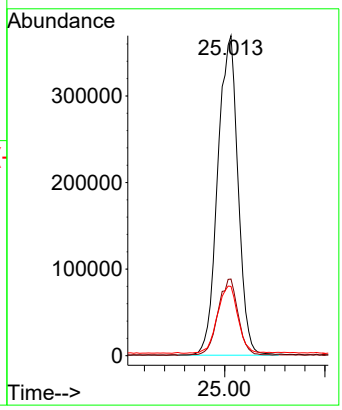



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.013 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025466.D
Acq: 18 Aug 2025 18:17

**Instrument :**
BNA_P
**ClientSampleId :**
WC1

Tgt Ion:264 Resp: 1035074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 19.3 | 28.9 |
| 265 | 21.7 | 17.4 | 26.0 |



Sample Results: **BP025466.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025466.D
Acq On : 18 Aug 2025 18:17
Operator : CG/JU
Sample : Q2826-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
WC1

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025466.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.043 | 14 | 18 | 23 | rVB | 187694 | 234464 | 8.29% | 1.230% |
| 2 | 4.355 | 236 | 241 | 246 | rBV | 28635 | 40335 | 1.43% | 0.212% |
| 3 | 4.949 | 337 | 342 | 351 | rVB | 90533 | 130708 | 4.62% | 0.686% |
| 4 | 5.408 | 413 | 420 | 431 | rBV | 457542 | 674353 | 23.83% | 3.539% |
| 5 | 6.966 | 679 | 685 | 696 | rBV | 472518 | 781291 | 27.61% | 4.100% |
| 6 | 7.790 | 817 | 825 | 832 | rBV | 584288 | 981013 | 34.67% | 5.148% |
| 7 | 8.925 | 1011 | 1018 | 1029 | rBV | 313765 | 511577 | 18.08% | 2.685% |
| 8 | 10.554 | 1285 | 1295 | 1310 | rBV | 789397 | 1405340 | 49.66% | 7.375% |
| 9 | 11.978 | 1532 | 1537 | 1544 | rBV | 20396 | 33259 | 1.18% | 0.175% |
| 10 | 13.013 | 1706 | 1713 | 1723 | rBV | 863344 | 1242379 | 43.90% | 6.520% |
| 11 | 13.231 | 1745 | 1750 | 1757 | rVB2 | 28715 | 41150 | 1.45% | 0.216% |
| 12 | 14.307 | 1929 | 1933 | 1939 | rVB | 29033 | 43958 | 1.55% | 0.231% |
| 13 | 14.401 | 1942 | 1949 | 1958 | rBV | 1133537 | 1813632 | 64.09% | 9.518% |
| 14 | 15.778 | 2178 | 2183 | 2191 | rVB | 54922 | 99092 | 3.50% | 0.520% |
| 15 | 15.919 | 2200 | 2207 | 2214 | rBV | 341456 | 557010 | 19.68% | 2.923% |
| 16 | 16.160 | 2244 | 2248 | 2250 | rBV3 | 24703 | 30857 | 1.09% | 0.162% |
| 17 | 16.966 | 2381 | 2385 | 2390 | rBV3 | 27321 | 47535 | 1.68% | 0.249% |
| 18 | 17.201 | 2419 | 2425 | 2432 | rBV2 | 1283947 | 2160431 | 76.34% | 11.337% |
| 19 | 17.907 | 2541 | 2545 | 2549 | rVB6 | 25807 | 38246 | 1.35% | 0.201% |
| 20 | 18.131 | 2580 | 2583 | 2590 | rBV3 | 74721 | 113054 | 3.99% | 0.593% |
| 21 | 19.054 | 2736 | 2740 | 2744 | rBV5 | 51669 | 81077 | 2.87% | 0.425% |
| 22 | 19.325 | 2782 | 2786 | 2791 | rBV | 141792 | 230971 | 8.16% | 1.212% |
| 23 | 19.701 | 2847 | 2850 | 2854 | rVB2 | 74015 | 94418 | 3.34% | 0.495% |
| 24 | 19.913 | 2881 | 2886 | 2895 | rBV | 1333197 | 1877944 | 66.36% | 9.855% |
| 25 | 20.730 | 3022 | 3025 | 3029 | rBV | 299235 | 326320 | 11.53% | 1.712% |
| 26 | 21.560 | 3164 | 3166 | 3172 | rVB | 190501 | 216982 | 7.67% | 1.139% |
| 27 | 21.642 | 3175 | 3180 | 3185 | rVV2 | 1608759 | 2418413 | 85.46% | 12.691% |
| 28 | 25.007 | 3745 | 3752 | 3767 | rVB2 | 980098 | 2829890 | 100.00% | 14.851% |

Sum of corrected areas: 19055699

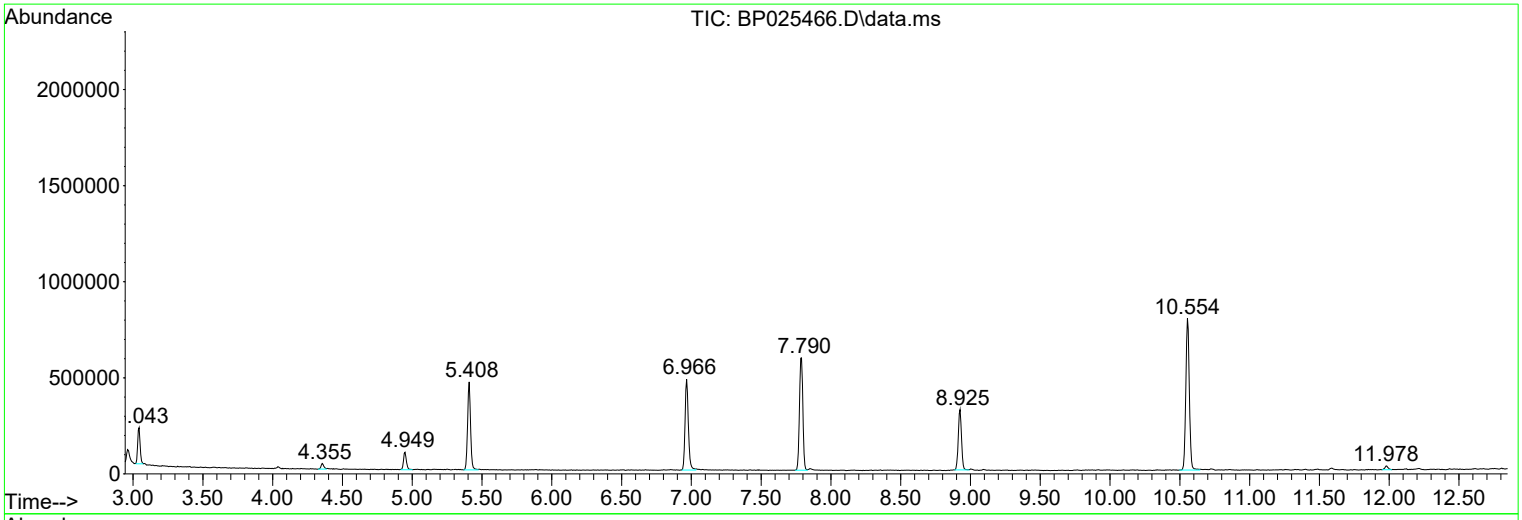
Sample Results: **BP025466.D**

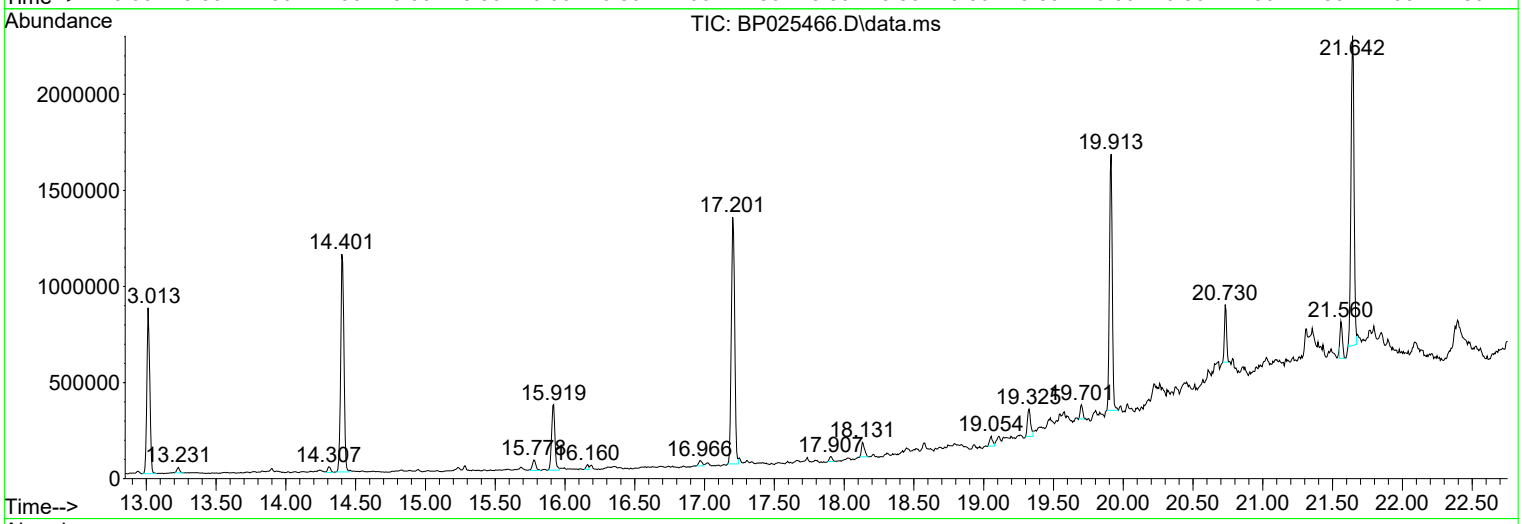
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025466.D
Acq On : 18 Aug 2025 18:17
Operator : CG/JU
Sample : Q2826-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

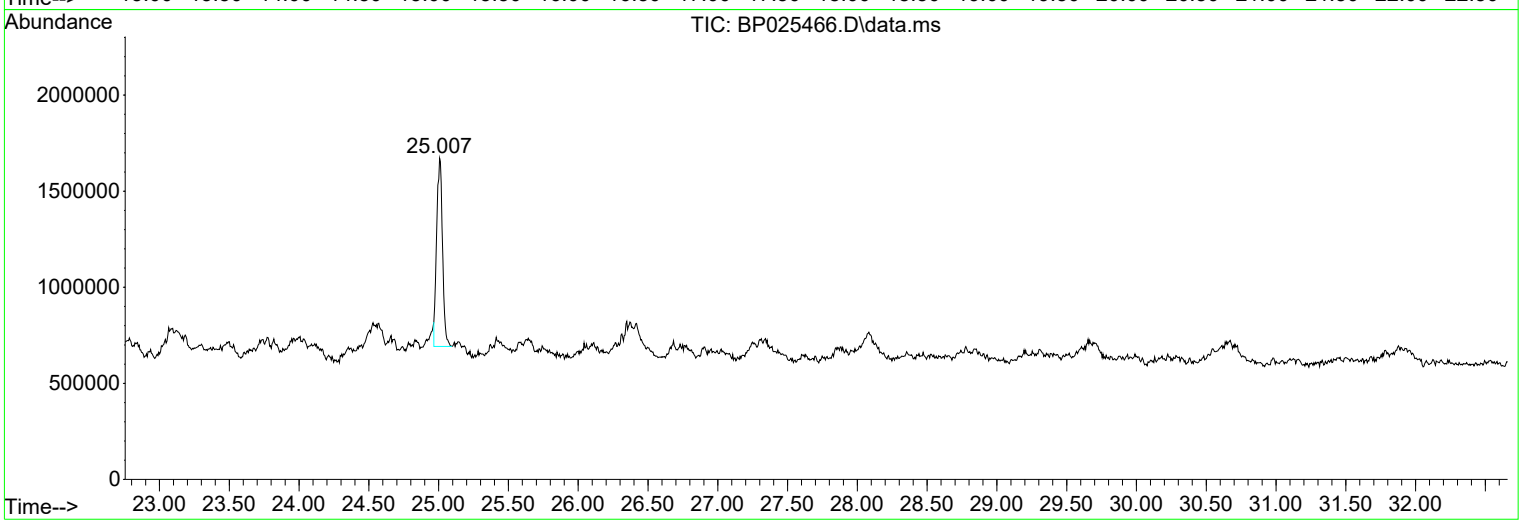
**Instrument :**
BNA_P
**ClientSampleId :**
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025466.D
Acq On : 18 Aug 2025 18:17
Operator : CG/JU
Sample : Q2826-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
WC1

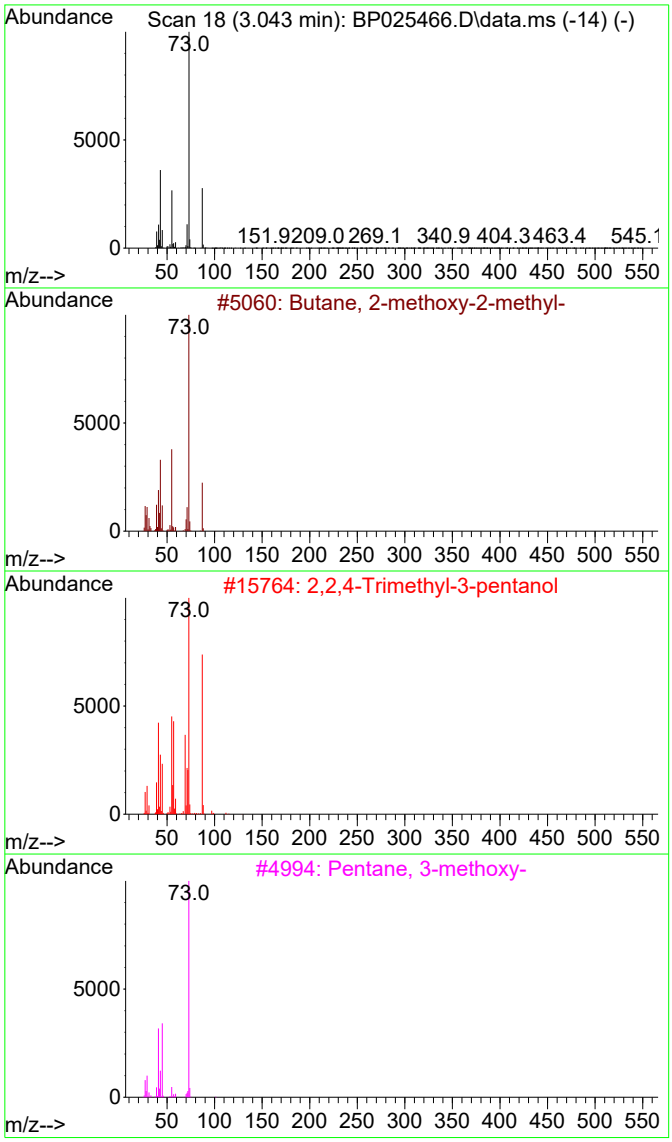
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

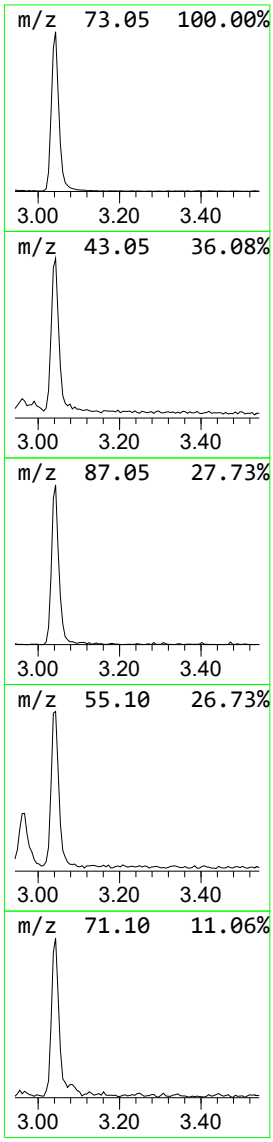
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.043 | 4.78 ng | 234464 | 1,4-Dichlorobenzene-d4 | 7.790 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 39 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 23 |
| 4 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 9 |
| 5 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025466.D
Acq On : 18 Aug 2025 18:17
Operator : CG/JU
Sample : Q2826-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
WC1

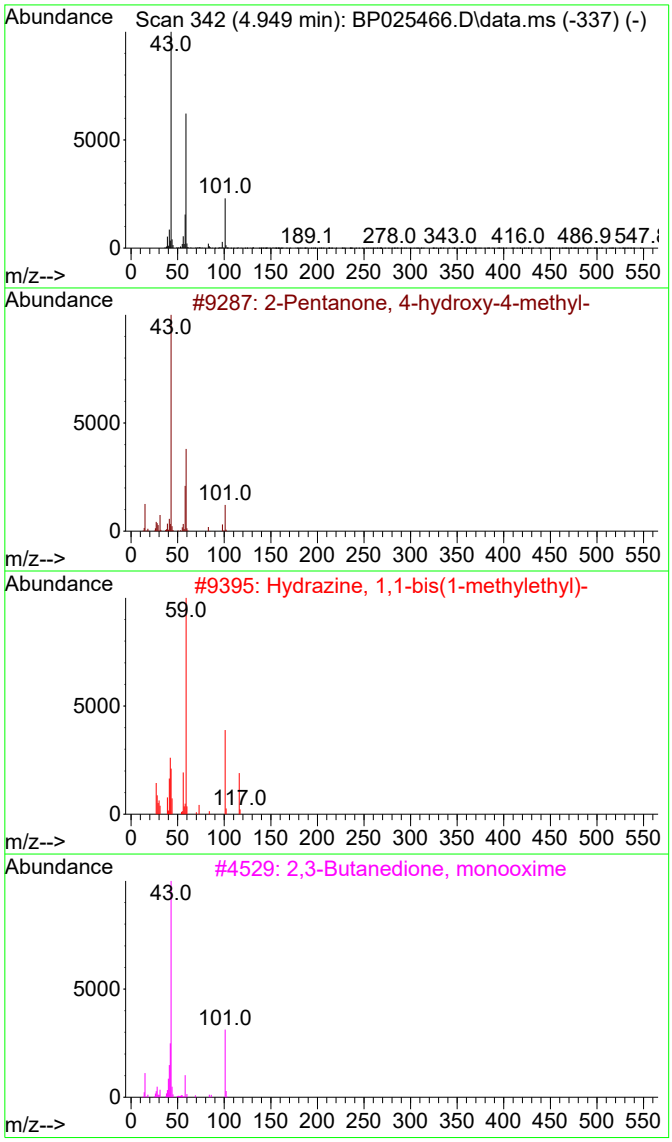
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

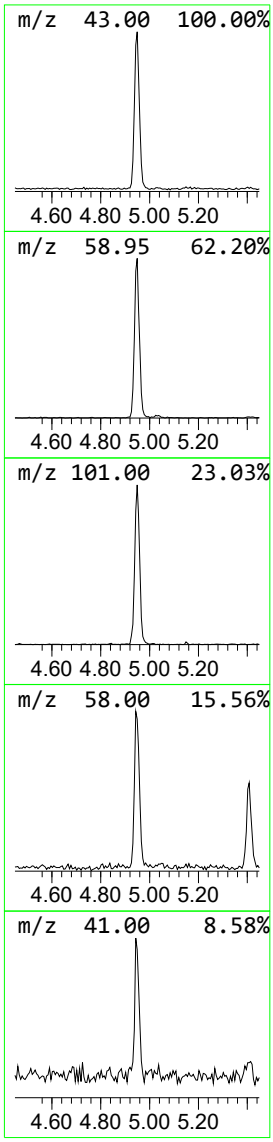
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.949 | 2.66 ng | 130708 | 1,4-Dichlorobenzene-d4 | 7.790 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 72 |
| 2 | Hydrazine, 1,1-bis(1-methylethyl)- | 116 | C6H16N2 | 000921-14-2 | 40 |
| 3 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 32 |
| 4 | 3-Hexanol | 102 | C6H14O | 000623-37-0 | 28 |
| 5 | 4-Hydroxy-3-hexanone | 116 | C6H12O2 | 004984-85-4 | 23 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025466.D
Acq On : 18 Aug 2025 18:17
Operator : CG/JU
Sample : Q2826-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
WC1

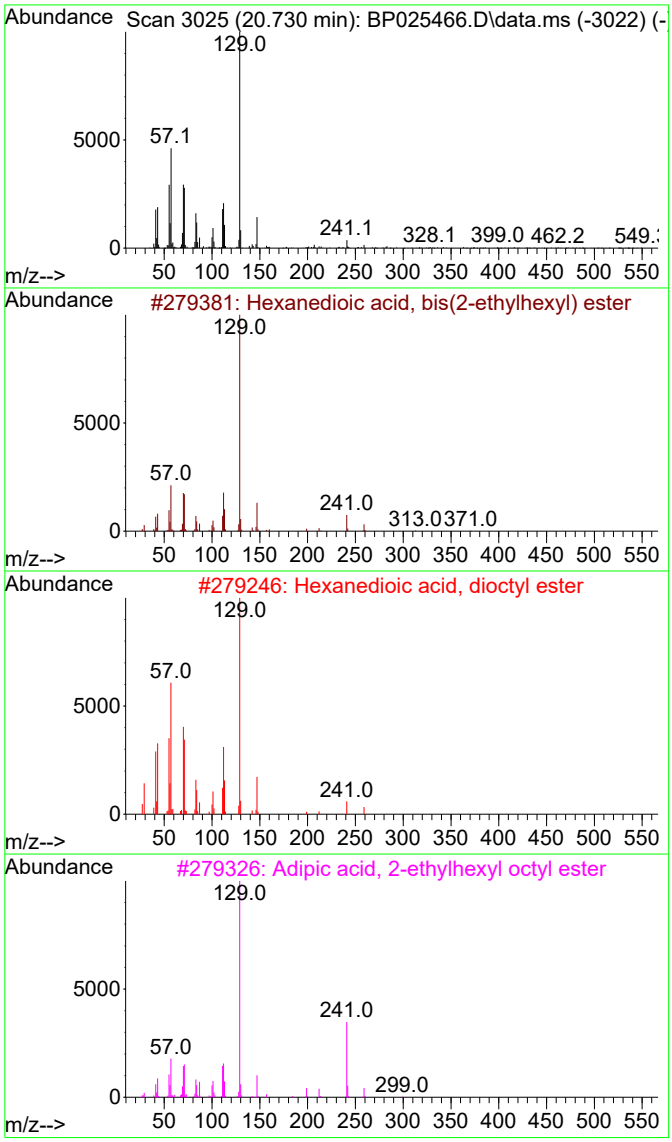
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

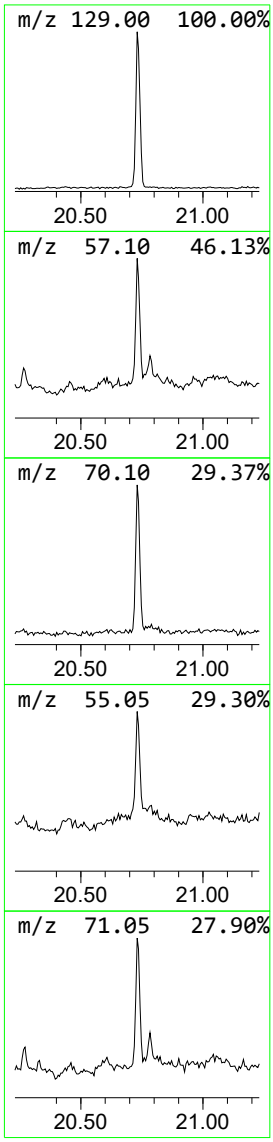
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Hexanedioic acid, bis(2-eth... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.730 | 2.70 ng | 326320 | Chrysene-d12 | 21.642 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexanedioic acid, bis(2-ethylhex... | 370 | C22H42O4 | 000103-23-1 | 91 |
| 2 | Hexanedioic acid, dioctyl ester | 370 | C22H42O4 | 000123-79-5 | 68 |
| 3 | Adipic acid, 2-ethylhexyl octyl ... | 370 | C22H42O4 | 1000324-48-6 | 64 |
| 4 | Diisooctyl adipate | 370 | C22H42O4 | 001330-86-5 | 58 |
| 5 | Adipic acid, 2-ethylhexyl isohex... | 342 | C20H38O4 | 1000324-48-3 | 53 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
Data File : BP025466.D
Acq On : 18 Aug 2025 18:17
Operator : CG/JU
Sample : Q2826-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2-metho... | 3.043 | 4.8 | ng | 234464 | 1 | 7.790 | 981013 | 20.0 |
| 2-Pentanone, 4-... | 4.949 | 2.7 | ng | 130708 | 1 | 7.790 | 981013 | 20.0 |
| Hexanedioic aci... | 20.730 | 2.7 | ng | 326320 | 5 | 21.642 | 2418410 | 20.0 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143366.D
Acq On : 13 Aug 2025 10:30
Operator : RC/JU
Sample : PB169210BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB169210BL

Quant Time: Aug 13 11:49:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

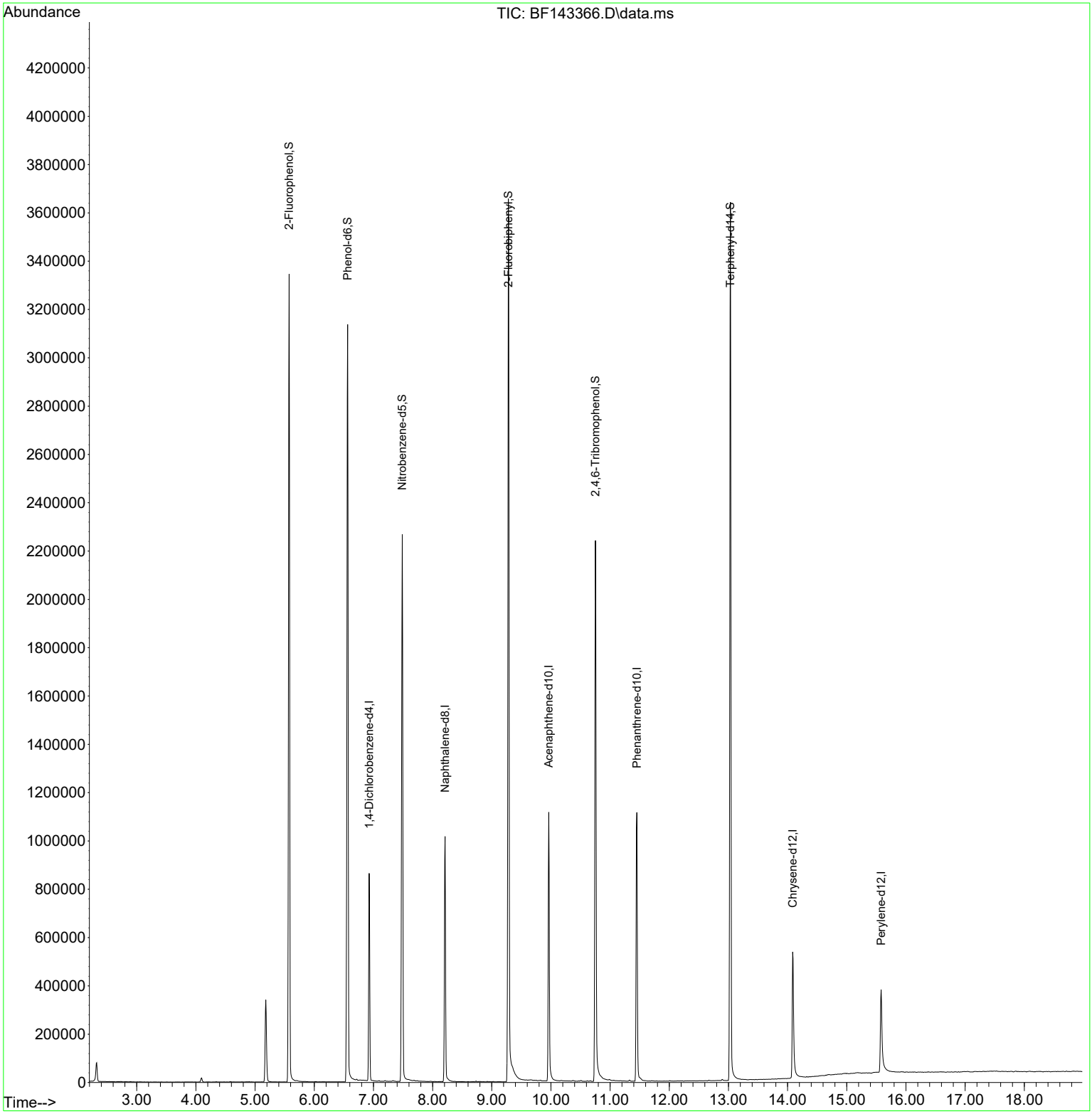
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.928 | 152 | 176496 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.210 | 136 | 674917 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.963 | 164 | 354793 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.451 | 188 | 604678 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.086 | 240 | 338429 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.580 | 264 | 291238 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.575 | 112 | 1258691 | 123.323 | ng | 0.01 |
| 7) Phenol-d6 | 6.563 | 99 | 1573005 | 120.182 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.487 | 82 | 1057171 | 97.544 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.751 | 330 | 429333 | 165.580 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.281 | 172 | 1887149 | 90.197 | ng | 0.00 |
| 79) Terphenyl-d14 | 13.033 | 244 | 1911940 | 100.862 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |

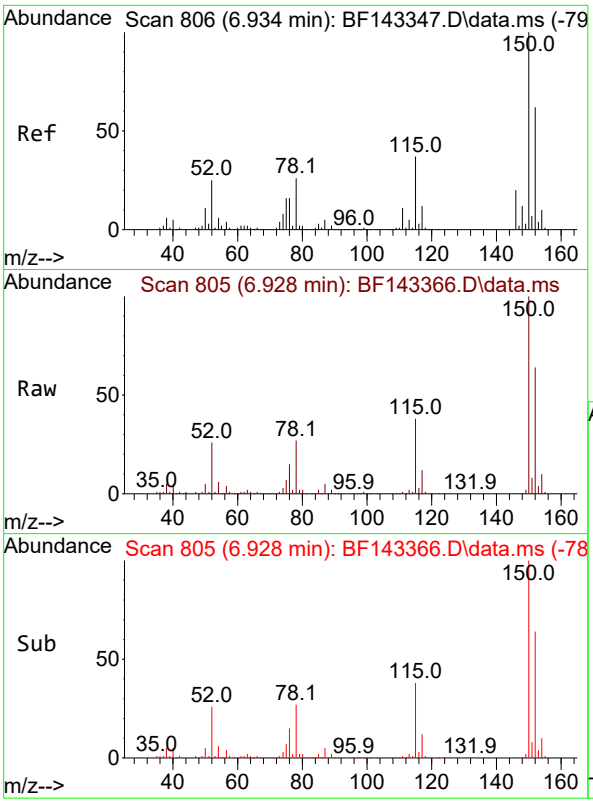
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143366.D
Acq On : 13 Aug 2025 10:30
Operator : RC/JU
Sample : PB169210BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB169210BL

Quant Time: Aug 13 11:49:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration



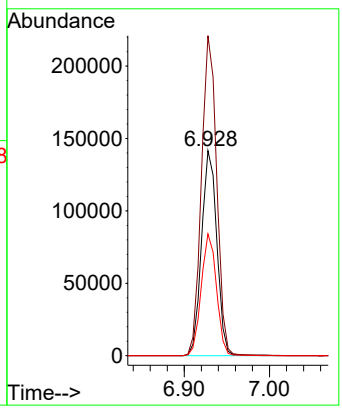


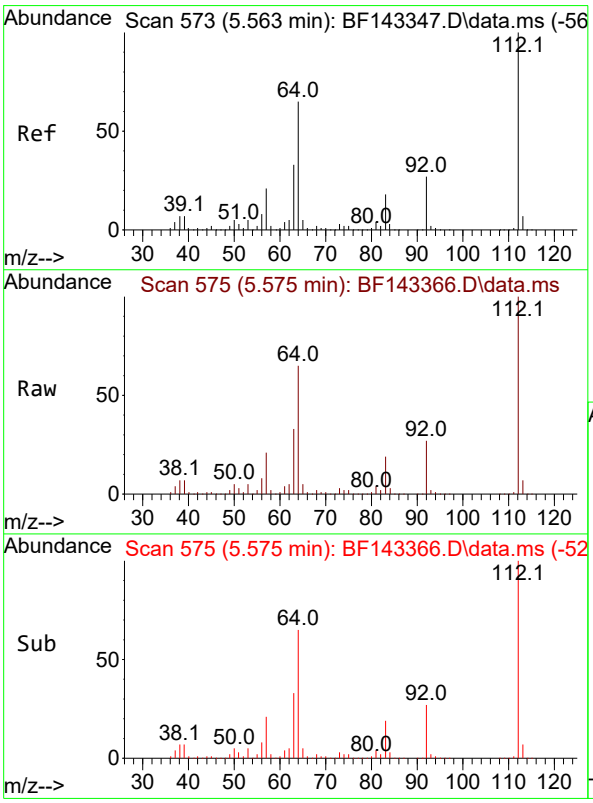

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143366.D
Acq: 13 Aug 2025 10:30

**Instrument :**
BNA_F
**ClientSampleId :**
PB169210BL

Tgt Ion:152 Resp: 176496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.2 | 129.8 | 194.8 |
| 115 | 59.4 | 47.8 | 71.8 |

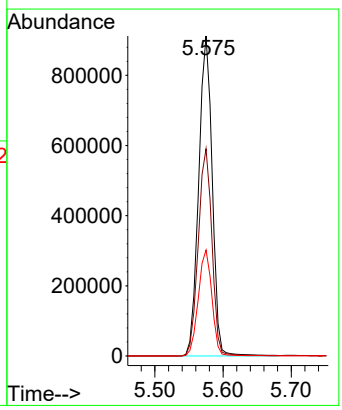


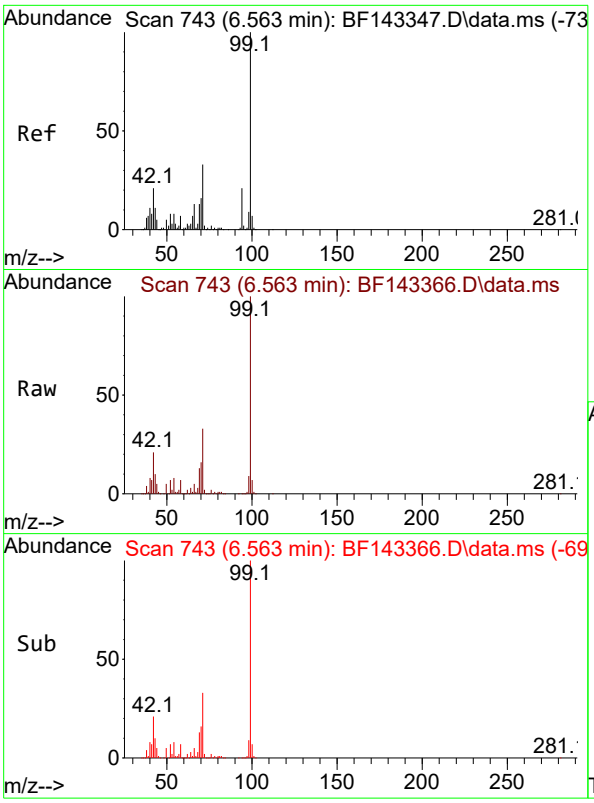




#5
2-Fluorophenol
Concen: 123.323 ng
RT: 5.575 min Scan# 575
Delta R.T. 0.012 min
Lab File: BF143366.D
Acq: 13 Aug 2025 10:30

Tgt Ion:112 Resp: 1258691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 64.8 | 52.1 | 78.1 |
| 63 | 33.1 | 26.6 | 39.8 |



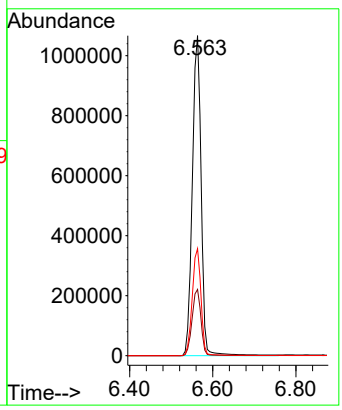


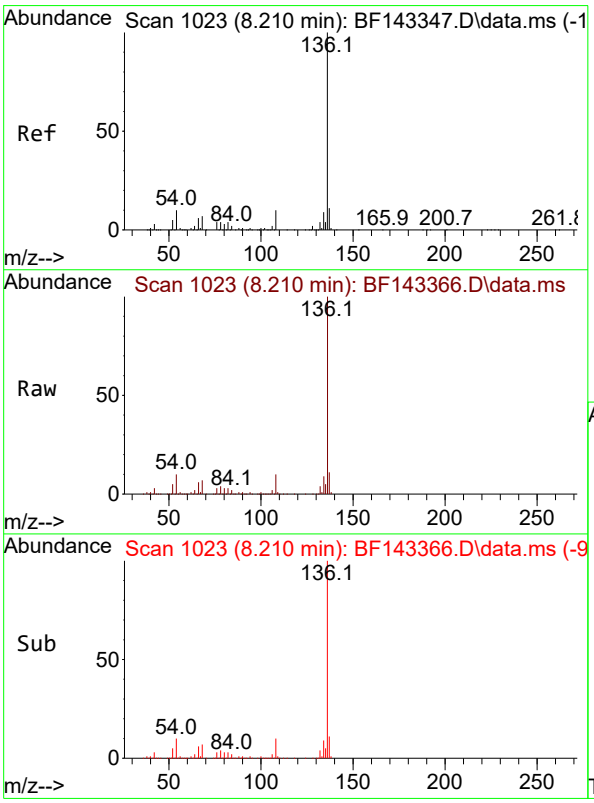

#7
Phenol-d6
Concen: 120.182 ng
RT: 6.563 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143366.D
Acq: 13 Aug 2025 10:30

**Instrument :**
BNA_F
**ClientSampleId :**
PB169210BL

Tgt Ion: 99 Resp: 1573005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.7 | 16.6 | 25.0 |
| 71 | 33.5 | 26.2 | 39.2 |

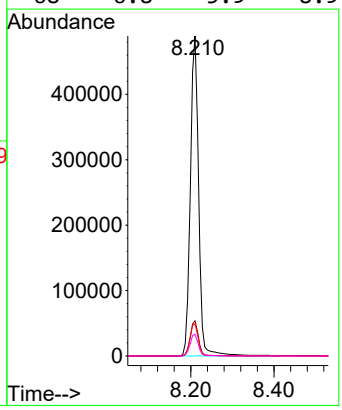


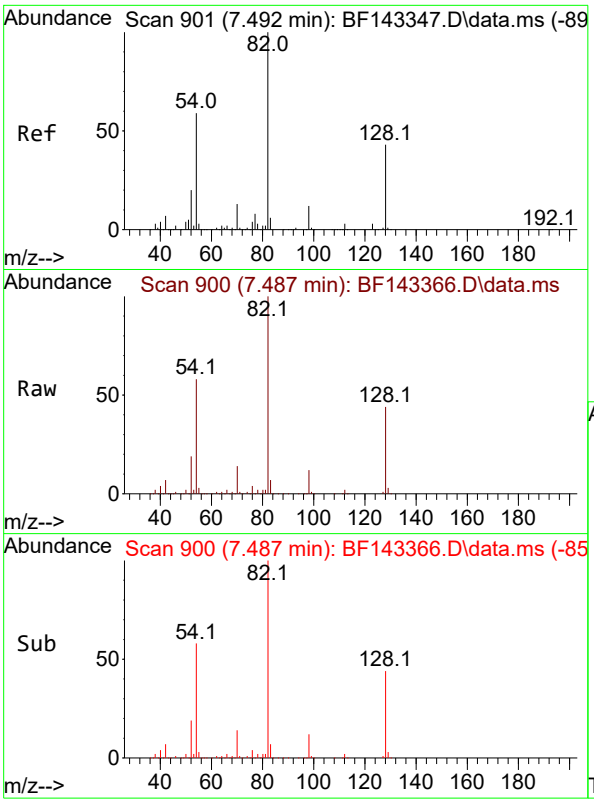




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143366.D
Acq: 13 Aug 2025 10:30

Tgt Ion:136 Resp: 674917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.6 | 13.0 |
| 54 | 10.0 | 8.4 | 12.6 |
| 68 | 6.8 | 5.9 | 8.9 |



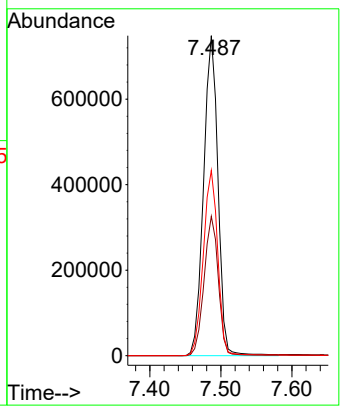


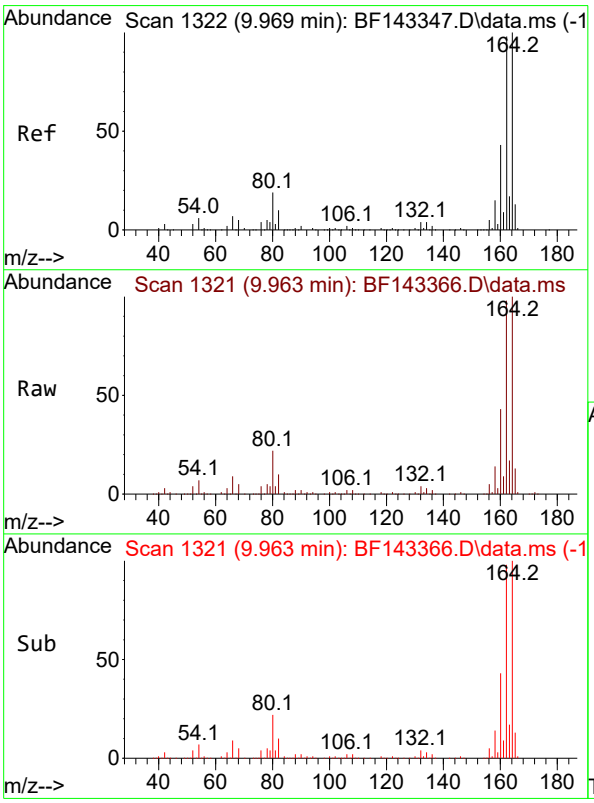

#23
Nitrobenzene-d5
Concen: 97.544 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143366.D
Acq: 13 Aug 2025 10:30

**Instrument :**
BNA_F
**ClientSampleId :**
PB169210BL

Tgt Ion: 82 Resp: 1057171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.6 | 33.5 | 50.3 |
| 54 | 57.9 | 46.7 | 70.1 |

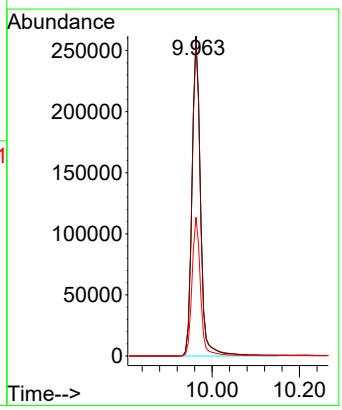


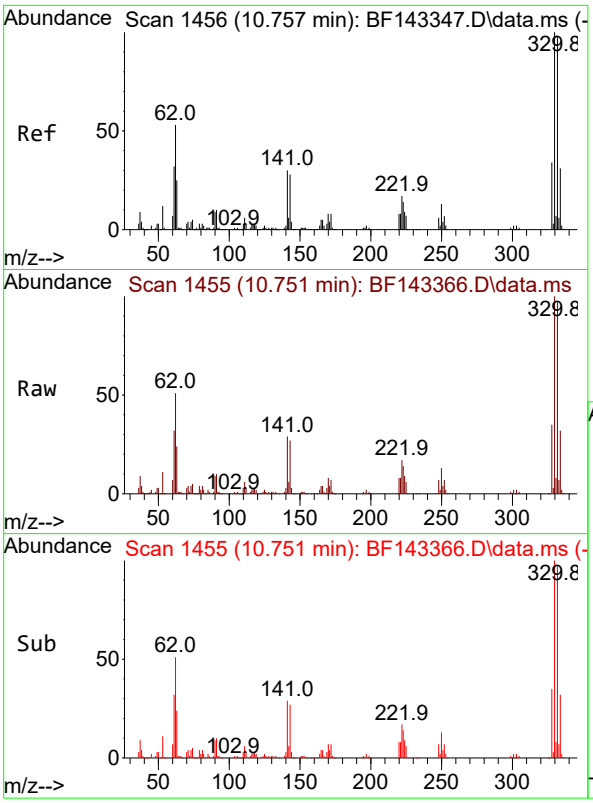




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143366.D
Acq: 13 Aug 2025 10:30

Tgt Ion:164 Resp: 354793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.3 | 78.6 | 118.0 |
| 160 | 43.3 | 34.4 | 51.6 |



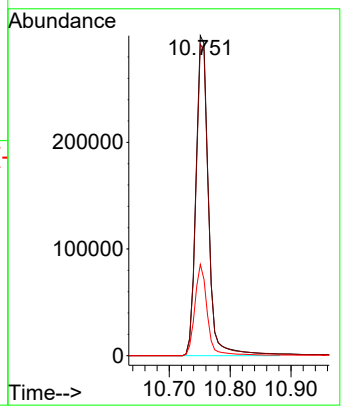


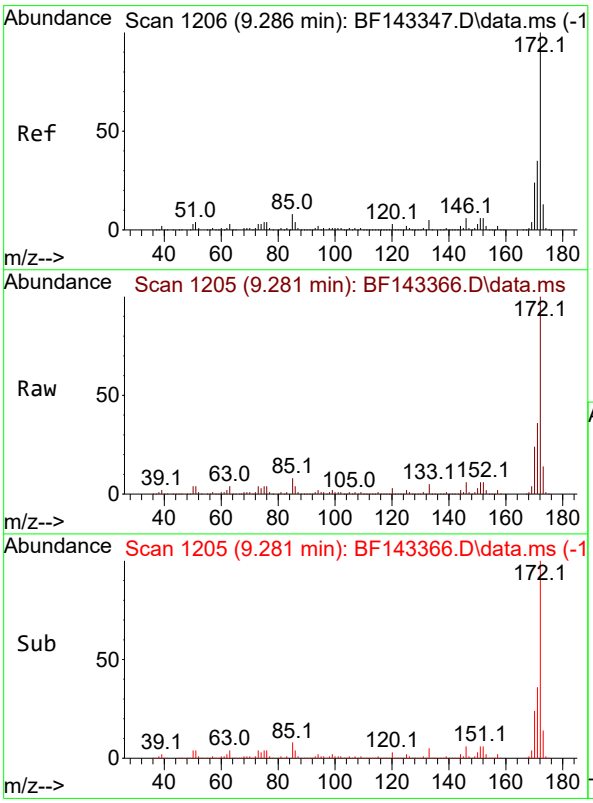

#42
2,4,6-Tribromophenol
Concen: 165.580 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143366.D
Acq: 13 Aug 2025 10:30

**Instrument :**
BNA_F
**ClientSampleId :**
PB169210BL

Tgt Ion:330 Resp: 429333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.6 | 78.1 | 117.1 |
| 141 | 28.6 | 25.4 | 38.0 |

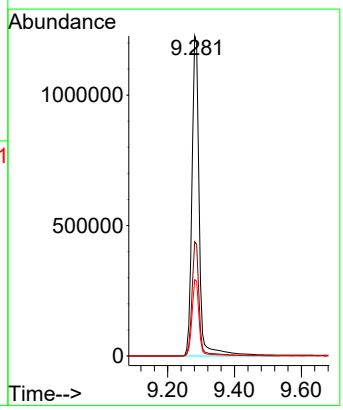


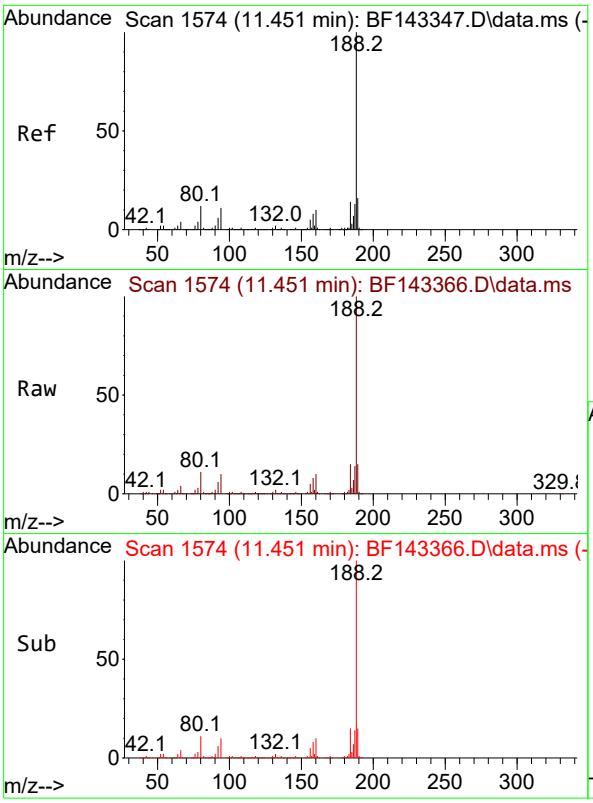




#45
2-Fluorobiphenyl
Concen: 90.197 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143366.D
Acq: 13 Aug 2025 10:30

Tgt Ion:172 Resp: 1887149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.7 | 28.4 | 42.6 |
| 170 | 23.8 | 19.1 | 28.7 |



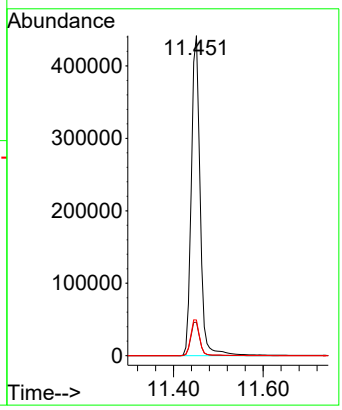


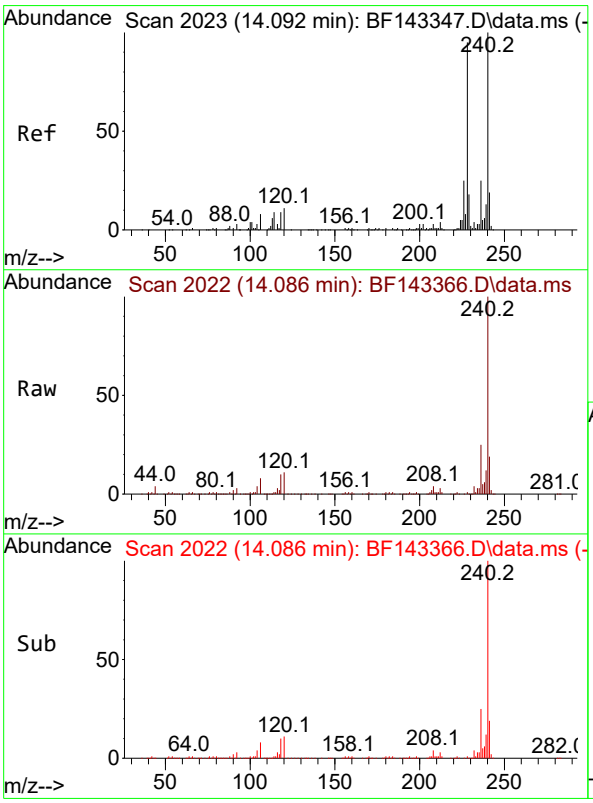

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143366.D
Acq: 13 Aug 2025 10:30

**Instrument :**
BNA_F
**ClientSampleId :**
PB169210BL

Tgt Ion:188 Resp: 604678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.4 | 8.8 | 13.2 |
| 80 | 11.1 | 9.7 | 14.5 |

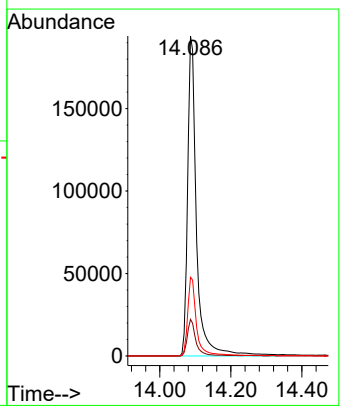


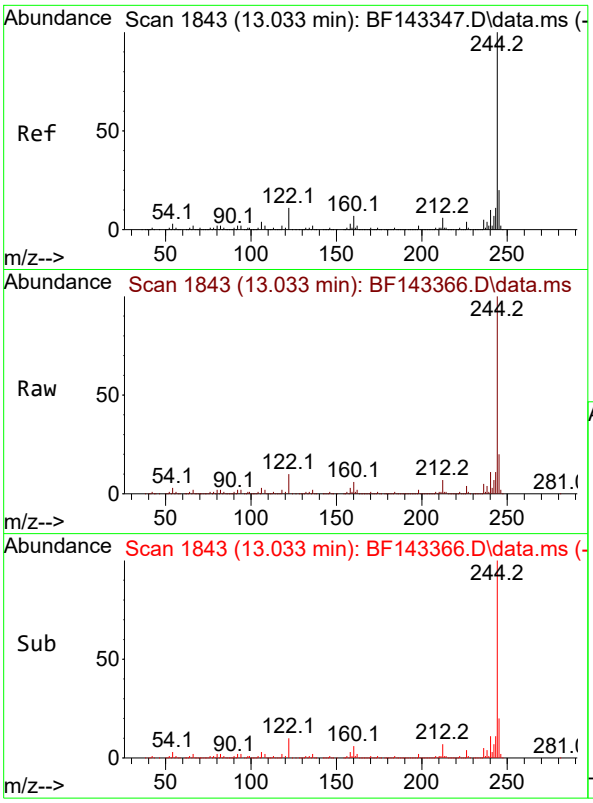




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143366.D
Acq: 13 Aug 2025 10:30

Tgt Ion:240 Resp: 338429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.5 | 9.0 | 13.6 |
| 236 | 24.6 | 19.9 | 29.9 |



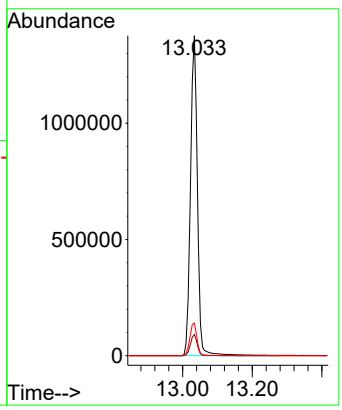


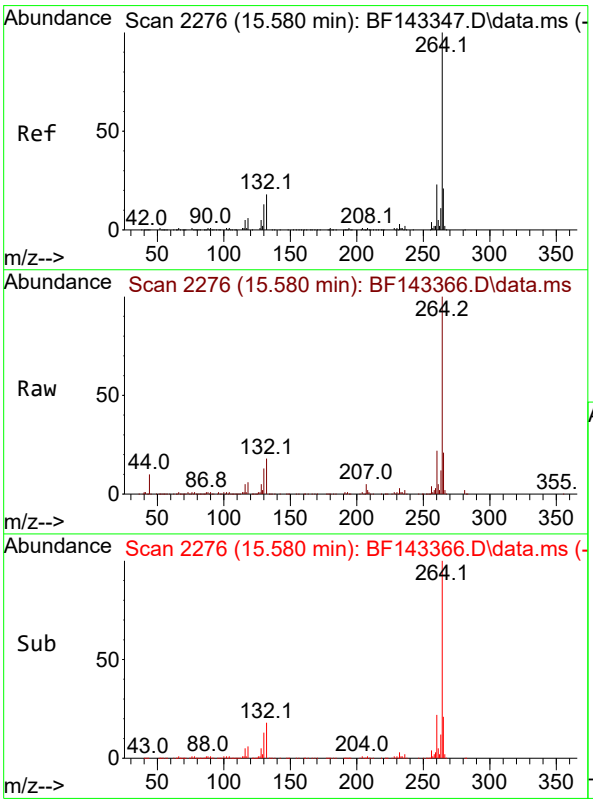

#79
Terphenyl-d14
Concen: 100.862 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143366.D
Acq: 13 Aug 2025 10:30

**Instrument :**
BNA_F
**ClientSampleId :**
PB169210BL

Tgt Ion:244 Resp: 1911940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.1 | 7.7 |
| 122 | 10.2 | 8.9 | 13.3 |

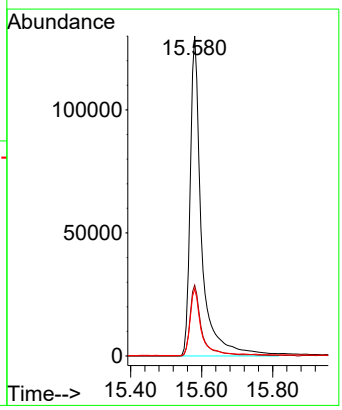



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF143366.D
Acq: 13 Aug 2025 10:30

Tgt Ion:264 Resp: 291238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.2 | 18.7 | 28.1 |
| 265 | 20.9 | 17.2 | 25.8 |



Sample Results: **BF143366.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143366.D
Acq On : 13 Aug 2025 10:30
Operator : RC/JU
Sample : PB169210BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB169210BL

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143366.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.322 | 11 | 22 | 30 | rVB | 77446 | 140102 | 2.53% | 0.412% |
| 2 | 5.181 | 500 | 508 | 520 | rBV | 339826 | 554852 | 10.02% | 1.633% |
| 3 | 5.575 | 569 | 575 | 580 | rBV | 3344458 | 4584078 | 82.77% | 13.490% |
| 4 | 6.563 | 736 | 743 | 748 | rBV | 3135419 | 4536202 | 81.90% | 13.349% |
| 5 | 6.928 | 800 | 805 | 819 | rVB | 859861 | 1072172 | 19.36% | 3.155% |
| 6 | 7.487 | 893 | 900 | 905 | rBV | 2265427 | 3171926 | 57.27% | 9.334% |
| 7 | 8.210 | 1017 | 1023 | 1048 | rBV | 1015167 | 1398354 | 25.25% | 4.115% |
| 8 | 9.281 | 1199 | 1205 | 1247 | rBV | 3654901 | 5538480 | 100.00% | 16.299% |
| 9 | 9.963 | 1315 | 1321 | 1344 | rBV | 1112505 | 1507374 | 27.22% | 4.436% |
| 10 | 10.751 | 1449 | 1455 | 1492 | rBV | 2238811 | 3263063 | 58.92% | 9.603% |
| 11 | 11.451 | 1568 | 1574 | 1600 | rBV | 1112879 | 1535740 | 27.73% | 4.519% |
| 12 | 13.033 | 1837 | 1843 | 1876 | rBV | 3635655 | 5049929 | 91.18% | 14.861% |
| 13 | 14.086 | 2017 | 2022 | 2046 | rBV | 520953 | 890845 | 16.08% | 2.622% |
| 14 | 15.580 | 2270 | 2276 | 2301 | rBV | 340983 | 737576 | 13.32% | 2.171% |

Sum of corrected areas: 33980693

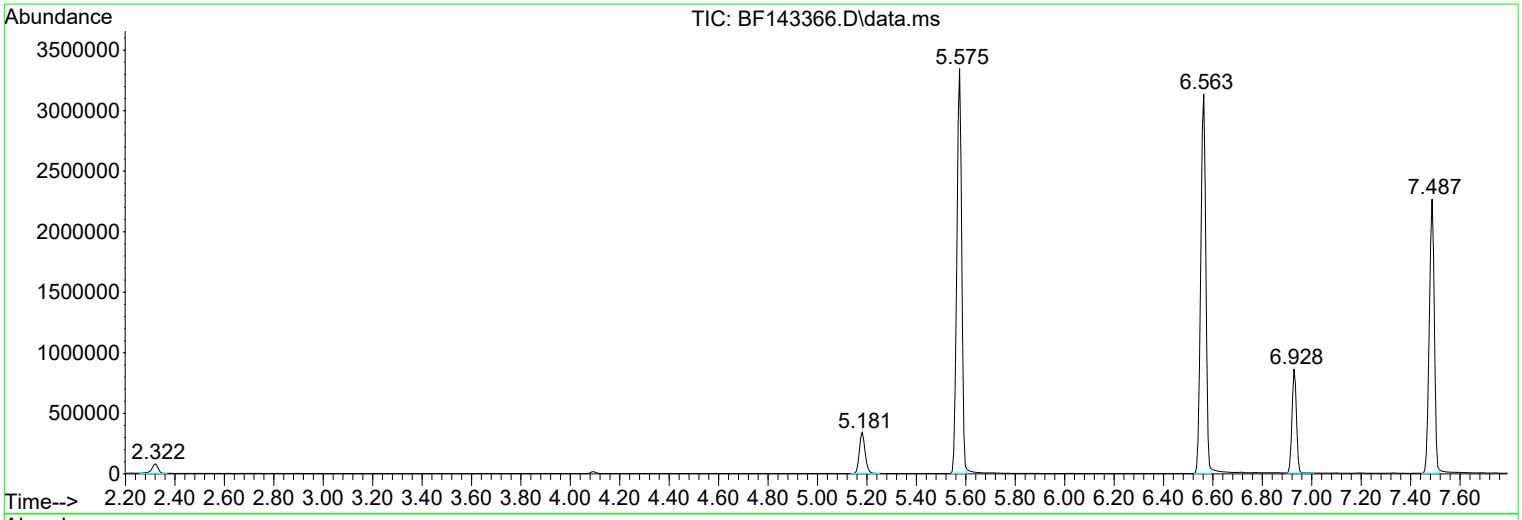
Sample Results: **BF143366.D**

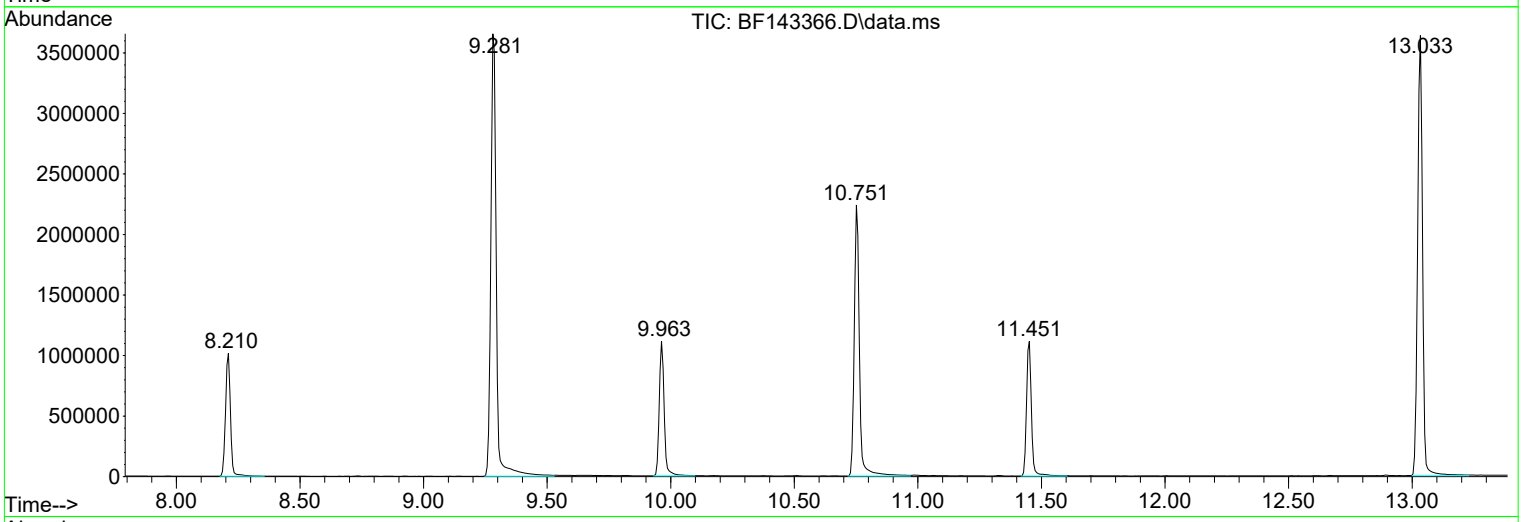
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143366.D
Acq On : 13 Aug 2025 10:30
Operator : RC/JU
Sample : PB169210BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

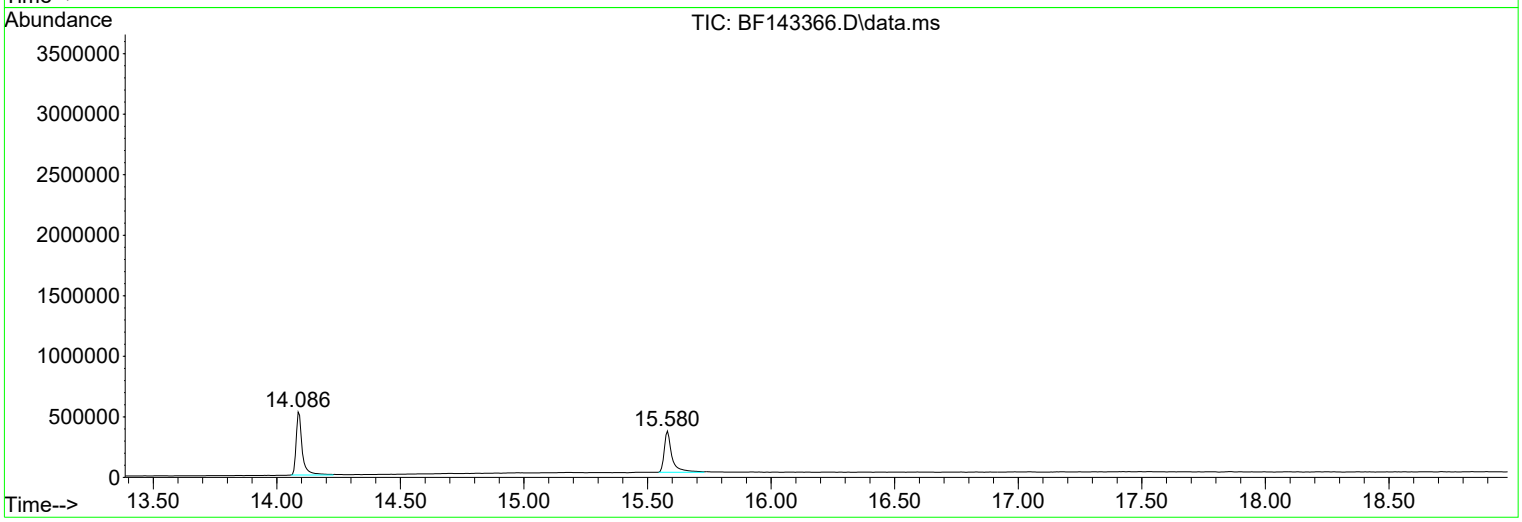
**Instrument :**
BNA_F
**ClientSampleId :**
PB169210BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143366.D
Acq On : 13 Aug 2025 10:30
Operator : RC/JU
Sample : PB169210BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB169210BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

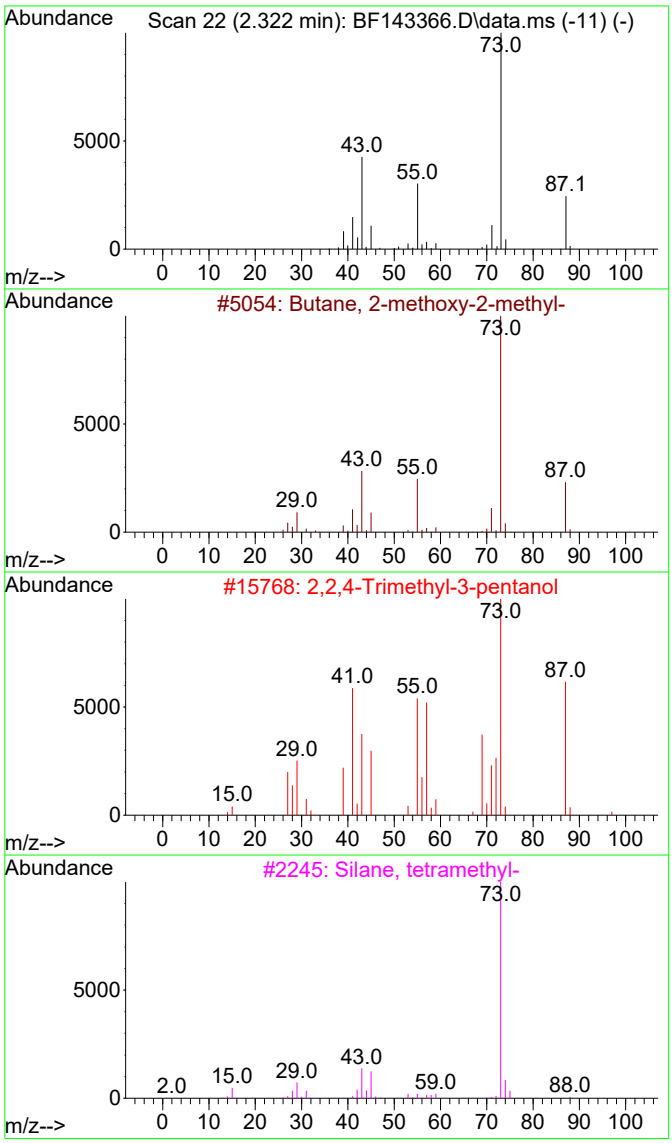
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

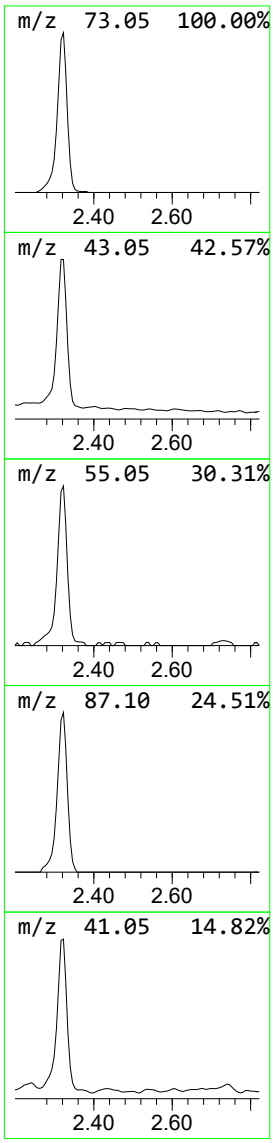
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.322 | 2.61 ng | 140102 | 1,4-Dichlorobenzene-d4 | 6.928 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 43 |
| 3 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 23 |
| 4 | 3-Pentanol, 3-methyl- | 102 | C6H14O | 000077-74-7 | 23 |
| 5 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 23 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143366.D
Acq On : 13 Aug 2025 10:30
Operator : RC/JU
Sample : PB169210BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB169210BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

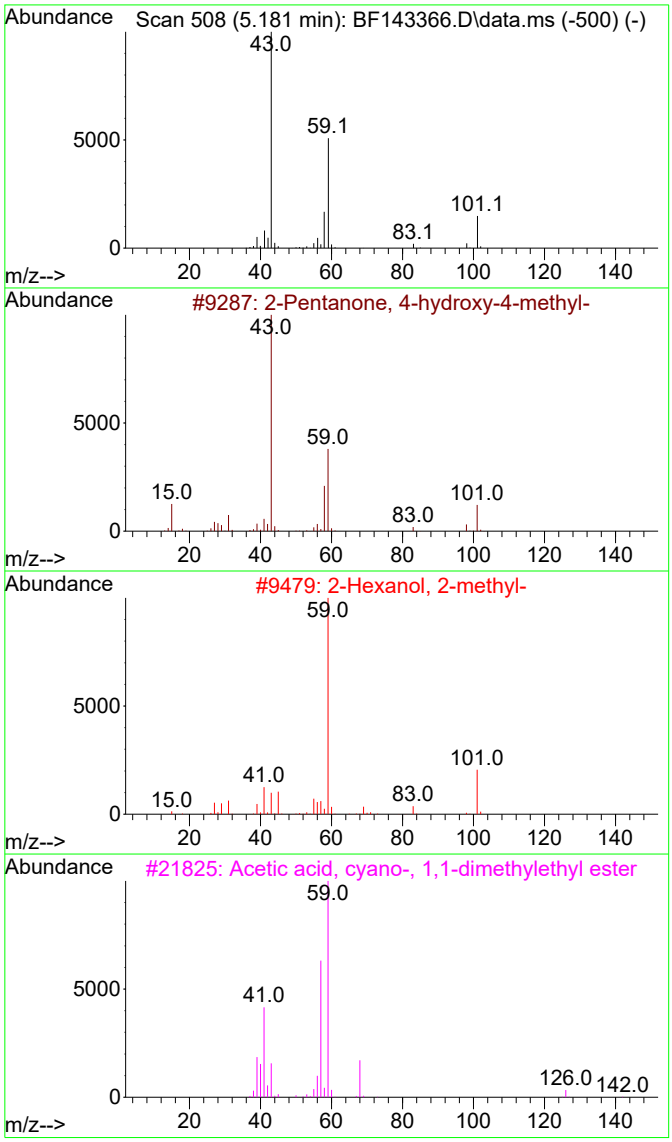
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

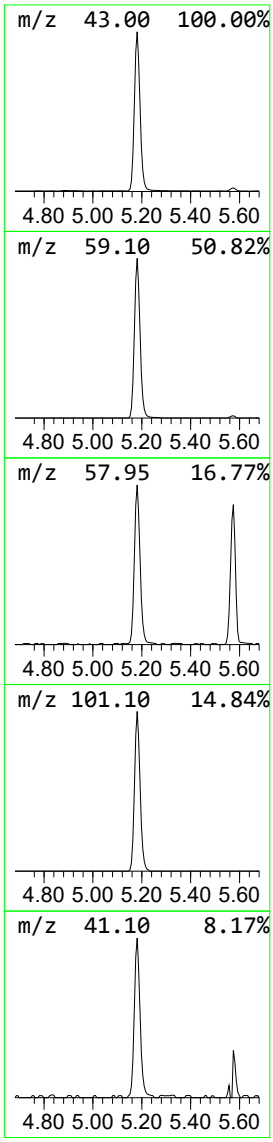
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.181 | 10.35 ng | 554852 | 1,4-Dichlorobenzene-d4 | 6.928 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59 |
| 2 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 33 |
| 3 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |
| 4 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 12 |
| 5 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 10 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143366.D
Acq On : 13 Aug 2025 10:30
Operator : RC/JU
Sample : PB169210BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB169210BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2-metho... | 2.322 | 2.6 | ng | 140102 | 1 | 6.928 | 1072170 | 20.0 |
| 2-Pentanone, 4-... | 5.181 | 10.4 | ng | 554852 | 1 | 6.928 | 1072170 | 20.0 |

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

Quant Time: Aug 15 01:37:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
PB169210BS

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.790 | 152 | 156059 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.560 | 136 | 650560 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.413 | 164 | 435539 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.201 | 188 | 895607 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.648 | 240 | 937531 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 25.018 | 264 | 1016818 | 20.000 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.408 | 112 | 1280798 | 136.296 | ng | 0.00 |
| 7) Phenol-d6 | 6.972 | 99 | 1664968 | 138.195 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.937 | 82 | 1023164 | 79.558 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.919 | 330 | 807504 | 137.743 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.025 | 172 | 2538853 | 79.667 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.942 | 244 | 4256352 | 83.062 | ng | 0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.331 | 88 | 150326 | 40.840 | ng | 99 |
| 3) Pyridine | 3.725 | 79 | 377128 | 37.433 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.631 | 42 | 183326 | 44.137 | ng | 97 |
| 6) Aniline | 7.125 | 93 | 680651 | 41.931 | ng | 98 |
| 8) 2-Chlorophenol | 7.366 | 128 | 518221 | 48.869 | ng | 99 |
| 9) Benzaldehyde | 6.937 | 77 | 256830 | 30.427 | ng | 98 |
| 10) Phenol | 6.996 | 94 | 629374 | 49.784 | ng | 98 |
| 11) bis(2-Chloroethyl)ether | 7.219 | 93 | 437105 | 44.360 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 7.684 | 146 | 509681 | 43.589 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 7.825 | 146 | 520662 | 43.564 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.143 | 146 | 502978 | 43.476 | ng | 97 |
| 15) Benzyl Alcohol | 8.025 | 79 | 446566 | 46.649 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.313 | 45 | 580366 | 43.968 | ng | 98 |
| 17) 2-Methylphenol | 8.225 | 107 | 435851 | 49.640 | ng | 99 |
| 18) Hexachloroethane | 8.866 | 117 | 192819 | 43.879 | ng | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.584 | 70 | 349179 | 43.755 | ng | 97 |
| 20) 3+4-Methylphenols | 8.549 | 107 | 601995 | 49.463 | ng | 98 |
| 22) Acetophenone | 8.602 | 105 | 715431 | 43.852 | ng | 99 |
| 24) Nitrobenzene | 8.978 | 77 | 512825 | 44.618 | ng | 99 |
| 25) Isophorone | 9.502 | 82 | 1003541 | 44.092 | ng | 99 |
| 26) 2-Nitrophenol | 9.678 | 139 | 274616 | 46.556 | ng | 99 |
| 27) 2,4-Dimethylphenol | 9.743 | 122 | 502601 | 49.547 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.978 | 93 | 622573 | 45.252 | ng | 98 |
| 29) 2,4-Dichlorophenol | 10.213 | 162 | 505992 | 50.213 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.425 | 180 | 484724 | 43.881 | ng | 99 |
| 31) Naphthalene | 10.613 | 128 | 1505392 | 44.521 | ng | 99 |
| 32) Benzoic acid | 9.884 | 122 | 383103 | 51.155 | ng | 97 |
| 33) 4-Chloroaniline | 10.713 | 127 | 624236 | 41.794 | ng | 99 |
| 34) Hexachlorobutadiene | 10.901 | 225 | 298042 | 43.323 | ng | 98 |
| 35) Caprolactam | 11.496 | 113 | 181569 | 49.139 | ng | 99 |
| 36) 4-Chloro-3-methylphenol | 11.831 | 107 | 582706 | 50.394 | ng | 98 |
| 37) 2-Methylnaphthalene | 12.219 | 142 | 1004265 | 45.639 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.443 | 142 | 1051392 | 44.929 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.590 | 216 | 564099 | 44.845 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 12.578 | 237 | 716635 | 94.317 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 12.825 | 196 | 420901 | 49.564 | ng | 98 |

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

Quant Time: Aug 15 01:37:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
PB169210BS

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.901 | 196 | 468666 | 50.356 | ng | 98 |
| 46) 1,1'-Biphenyl | 13.231 | 154 | 1476847 | 46.689 | ng | 100 |
| 47) 2-Chloronaphthalene | 13.272 | 162 | 1146132 | 46.544 | ng | 99 |
| 48) 2-Nitroaniline | 13.472 | 65 | 355089 | 49.489 | ng | 96 |
| 49) Acenaphthylene | 14.131 | 152 | 1910326 | 46.883 | ng | 100 |
| 50) Dimethylphthalate | 13.860 | 163 | 1540919 | 48.314 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 13.978 | 165 | 335519 | 49.911 | ng | 98 |
| 52) Acenaphthene | 14.478 | 154 | 1132105 | 47.334 | ng | 100 |
| 53) 3-Nitroaniline | 14.307 | 138 | 331713 | 43.858 | ng | 97 |
| 54) 2,4-Dinitrophenol | 14.513 | 184 | 401585 | 111.865 | ng | 97 |
| 55) Dibenzofuran | 14.813 | 168 | 1757203 | 46.470 | ng | 100 |
| 56) 4-Nitrophenol | 14.625 | 139 | 648186 | 104.294 | ng | 98 |
| 57) 2,4-Dinitrotoluene | 14.766 | 165 | 491249 | 51.219 | ng | 100 |
| 58) Fluorene | 15.472 | 166 | 1388189 | 46.525 | ng | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.042 | 232 | 408762 | 49.740 | ng | 99 |
| 60) Diethylphthalate | 15.248 | 149 | 1563135 | 48.233 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.472 | 204 | 683735 | 46.075 | ng | 98 |
| 62) 4-Nitroaniline | 15.489 | 138 | 380486 | 49.072 | ng | 99 |
| 63) Azobenzene | 15.772 | 77 | 1343333 | 48.409 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.548 | 198 | 277954 | 49.788 | ng | 95 |
| 66) n-Nitrosodiphenylamine | 15.689 | 169 | 1290834 | 47.265 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.384 | 248 | 460600 | 46.761 | ng | 96 |
| 68) Hexachlorobenzene | 16.501 | 284 | 531682 | 46.564 | ng | 98 |
| 69) Atrazine | 16.660 | 200 | 492822 | 48.184 | ng | 97 |
| 70) Pentachlorophenol | 16.848 | 266 | 700841 | 97.234 | ng | 99 |
| 71) Phenanthrene | 17.248 | 178 | 2335980 | 47.481 | ng | 100 |
| 72) Anthracene | 17.348 | 178 | 2338590 | 46.547 | ng | 99 |
| 73) Carbazole | 17.619 | 167 | 2254500 | 47.640 | ng | 99 |
| 74) Di-n-butylphthalate | 18.219 | 149 | 2850461 | 48.957 | ng | 100 |
| 75) Fluoranthene | 19.336 | 202 | 2769236 | 47.188 | ng | 99 |
| 77) Benzidine | 19.525 | 184 | 2034719 | 63.593 | ng | 99 |
| 78) Pyrene | 19.713 | 202 | 2848697 | 46.748 | ng | 99 |
| 80) Butylbenzylphthalate | 20.666 | 149 | 1350312 | 48.894 | ng | 99 |
| 81) Benzo(a)anthracene | 21.630 | 228 | 2905027 | 46.984 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.548 | 252 | 936735 | 40.194 | ng | 99 |
| 83) Chrysene | 21.695 | 228 | 2733737 | 47.211 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.583 | 149 | 1973001 | 48.532 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.877 | 149 | 3308927 | 47.320 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.848 | 276 | 3596116m | 48.225 | ng | |
| 88) Benzo(b)fluoranthene | 23.971 | 252 | 2918542 | 48.676 | ng | 99 |
| 89) Benzo(k)fluoranthene | 24.042 | 252 | 2967349 | 49.456 | ng | 100 |
| 90) Benzo(a)pyrene | 24.871 | 252 | 2854031 | 48.899 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.942 | 278 | 2946612 | 48.354 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 30.053 | 276 | 2879368 | 48.068 | ng | 99 |

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

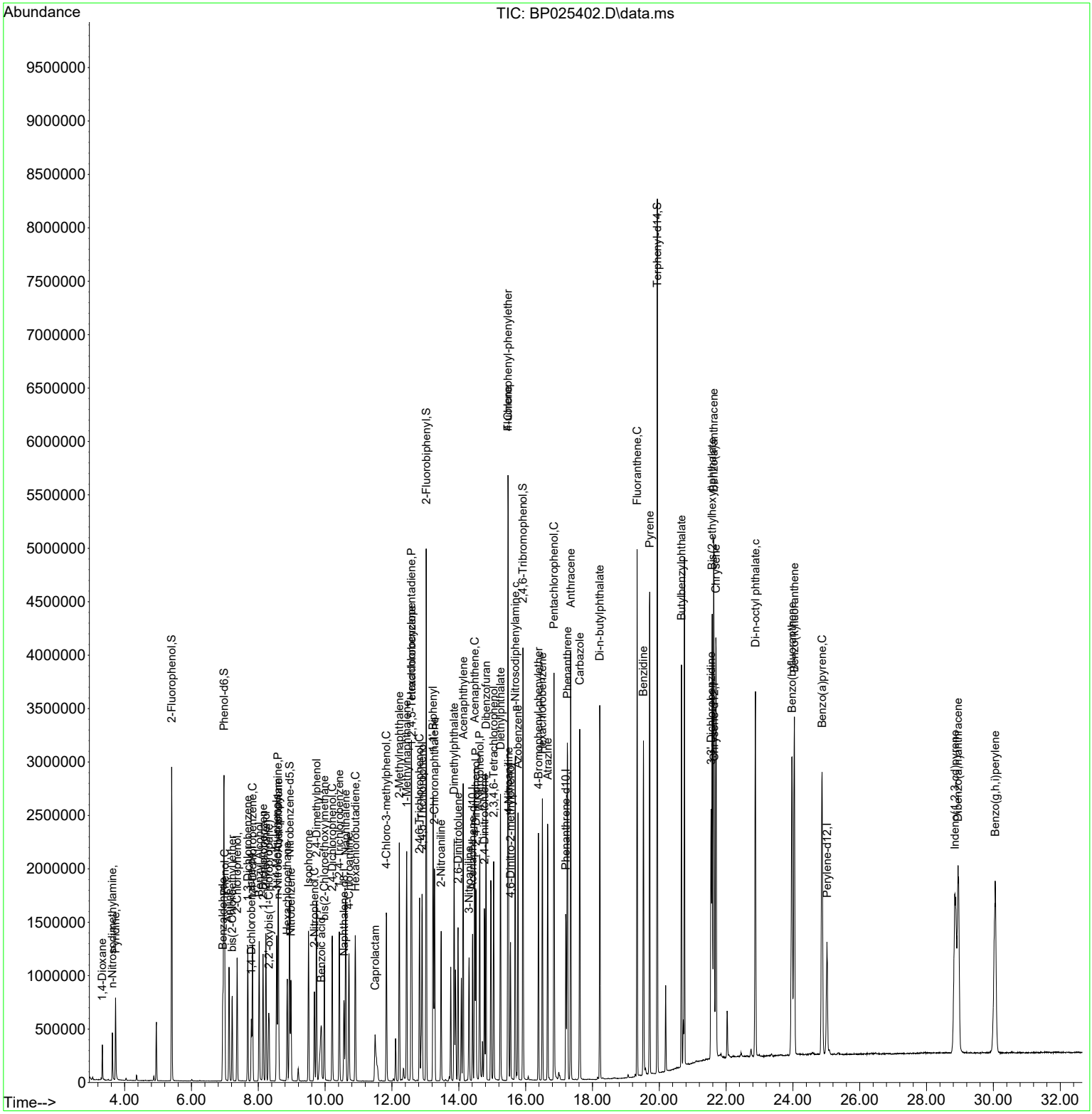
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025402.D
Acq On : 14 Aug 2025 20:10
Operator : CG/JU
Sample : PB169210BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 15 01:37:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
PB169210BS

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



Sample Results: **BF143367.D**

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

Quant Time: Aug 13 11:49:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
BIN0009-DRIVEWAY-TP-WESTSIDEMS

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.928 | 152 | 137804 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.210 | 136 | 517024 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.963 | 164 | 272568 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.451 | 188 | 391965 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.092 | 240 | 309493 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.580 | 264 | 383464 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.569 | 112 | 762938 | 95.739 | ng | 0.00 |
| 7) Phenol-d6 | 6.563 | 99 | 975086 | 95.417 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.487 | 82 | 626187 | 75.422 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.757 | 330 | 241161 | 121.066 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.281 | 172 | 1107824 | 68.922 | ng | 0.00 |
| 79) Terphenyl-d14 | 13.027 | 244 | 1013154 | 58.445 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.804 | 88 | 163035 | 39.537 | ng | 99 |
| 3) Pyridine | 3.575 | 79 | 438470 | 39.902 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.510 | 42 | 231473 | 45.221 | ng | 99 |
| 6) Aniline | 6.592 | 93 | 442543 | 30.717 | ng | 95 |
| 8) 2-Chlorophenol | 6.722 | 128 | 387249 | 45.478 | ng | 96 |
| 9) Benzaldehyde | 6.481 | 77 | 223837 | 33.140 | ng | 98 |
| 10) Phenol | 6.575 | 94 | 499579 | 41.267 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 6.657 | 93 | 401332 | 44.981 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.875 | 146 | 434984 | 44.288 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.945 | 146 | 436306 | 44.261 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.098 | 146 | 419380 | 44.818 | ng | 100 |
| 15) Benzyl Alcohol | 7.069 | 79 | 344289 | 47.000 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.198 | 45 | 711810 | 44.687 | ng | 97 |
| 17) 2-Methylphenol | 7.181 | 107 | 310496 | 43.198 | ng | 100 |
| 18) Hexachloroethane | 7.445 | 117 | 149347 | 48.325 | ng | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.334 | 70 | 280271 | 44.386 | ng | 97 |
| 20) 3+4-Methylphenols | 7.334 | 107 | 369644 | 42.523 | ng | 95 |
| 22) Acetophenone | 7.334 | 105 | 511443 | 44.896 | ng | 97 |
| 24) Nitrobenzene | 7.504 | 77 | 418648 | 46.430 | ng | 99 |
| 25) Isophorone | 7.745 | 82 | 768386 | 45.335 | ng | 99 |
| 26) 2-Nitrophenol | 7.822 | 139 | 203194 | 55.608 | ng | 99 |
| 27) 2,4-Dimethylphenol | 7.863 | 122 | 349296m | 49.398 | ng | |
| 28) bis(2-Chloroethoxy)met... | 7.951 | 93 | 478776 | 46.267 | ng | 100 |
| 29) 2,4-Dichlorophenol | 8.069 | 162 | 324090 | 46.926 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.151 | 180 | 347348 | 47.679 | ng | 99 |
| 31) Naphthalene | 8.234 | 128 | 1089838 | 43.806 | ng | 100 |
| 32) Benzoic acid | 7.975 | 122 | 193304 | 58.598 | ng | 99 |
| 33) 4-Chloroaniline | 8.275 | 127 | 219162 | 24.424 | ng | 99 |
| 34) Hexachlorobutadiene | 8.351 | 225 | 213552 | 47.123 | ng | 100 |
| 35) Caprolactam | 8.645 | 113 | 95843 | 49.365 | ng | 99 |
| 36) 4-Chloro-3-methylphenol | 8.763 | 107 | 325053 | 44.895 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.922 | 142 | 660623 | 40.391 | ng | 99 |
| 38) 1-Methylnaphthalene | 9.022 | 142 | 682387 | 43.320 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.092 | 216 | 340812 | 45.694 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 9.081 | 237 | 306137 | 113.347 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 9.204 | 196 | 214621 | 50.715 | ng | 98 |

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

Quant Time: Aug 13 11:49:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
BIN0009-DRIVEWAY-TP-WESTSIDEMS

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.245 | 196 | 229789 | 48.084 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.386 | 154 | 876424 | 45.476 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.410 | 162 | 670874 | 44.200 | ng | | 99 |
| 48) 2-Nitroaniline | 9.504 | 65 | 209062 | 47.772 | ng | | 99 |
| 49) Acenaphthylene | 9.828 | 152 | 1078567 | 49.207 | ng | | 100 |
| 50) Dimethylphthalate | 9.680 | 163 | 767406 | 48.184 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.739 | 165 | 165224 | 54.402 | ng | | 97 |
| 52) Acenaphthene | 9.998 | 154 | 682321 | 46.824 | ng | | 99 |
| 53) 3-Nitroaniline | 9.910 | 138 | 108458 | 33.253 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 10.022 | 184 | 128950 | 93.173 | ng | # | 82 |
| 55) Dibenzofuran | 10.169 | 168 | 930157 | 44.351 | ng | | 100 |
| 56) 4-Nitrophenol | 10.080 | 139 | 201185 | 77.373 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 10.145 | 165 | 215672 | 53.556 | ng | | 93 |
| 58) Fluorene | 10.516 | 166 | 710470 | 44.351 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.292 | 232 | 187331 | 58.151 | ng | | 97 |
| 60) Diethylphthalate | 10.380 | 149 | 719937 | 50.466 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.504 | 204 | 352284 | 45.513 | ng | | 99 |
| 62) 4-Nitroaniline | 10.522 | 138 | 150805 | 47.789 | ng | | 99 |
| 63) Azobenzene | 10.663 | 77 | 785525 | 48.208 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 10.557 | 198 | 98616 | 60.040 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 10.622 | 169 | 608929 | 47.180 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.992 | 248 | 215964 | 48.176 | ng | | 98 |
| 68) Hexachlorobenzene | 11.063 | 284 | 225664 | 46.702 | ng | | 98 |
| 69) Atrazine | 11.145 | 200 | 184901 | 54.927 | ng | | 99 |
| 70) Pentachlorophenol | 11.257 | 266 | 226544 | 94.613 | ng | | 97 |
| 71) Phenanthrene | 11.474 | 178 | 960966 | 44.935 | ng | | 99 |
| 72) Anthracene | 11.527 | 178 | 994942 | 45.875 | ng | | 99 |
| 73) Carbazole | 11.680 | 167 | 820685 | 44.432 | ng | | 99 |
| 74) Di-n-butylphthalate | 12.004 | 149 | 1030302 | 65.918 | ng | | 100 |
| 75) Fluoranthene | 12.663 | 202 | 909808 | 48.568 | ng | | 99 |
| 77) Benzidine | 12.780 | 184 | 293910 | 34.736 | ng | | 99 |
| 78) Pyrene | 12.892 | 202 | 914572 | 35.225 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.504 | 149 | 381128 | 72.449 | ng | | 97 |
| 81) Benzo(a)anthracene | 14.080 | 228 | 899115 | 45.707 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 14.039 | 252 | 206592 | 38.894 | ng | | 98 |
| 83) Chrysene | 14.115 | 228 | 830343 | 45.269 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.063 | 149 | 559729 | 71.994 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.674 | 149 | 1029373 | 65.934 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.104 | 276 | 1220480 | 44.425 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 15.145 | 252 | 1021721 | 48.714 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.174 | 252 | 918699 | 45.078 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.515 | 252 | 951612 | 48.173 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.115 | 278 | 979680 | 44.637 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 17.562 | 276 | 974809 | 44.090 | ng | | 98 |

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

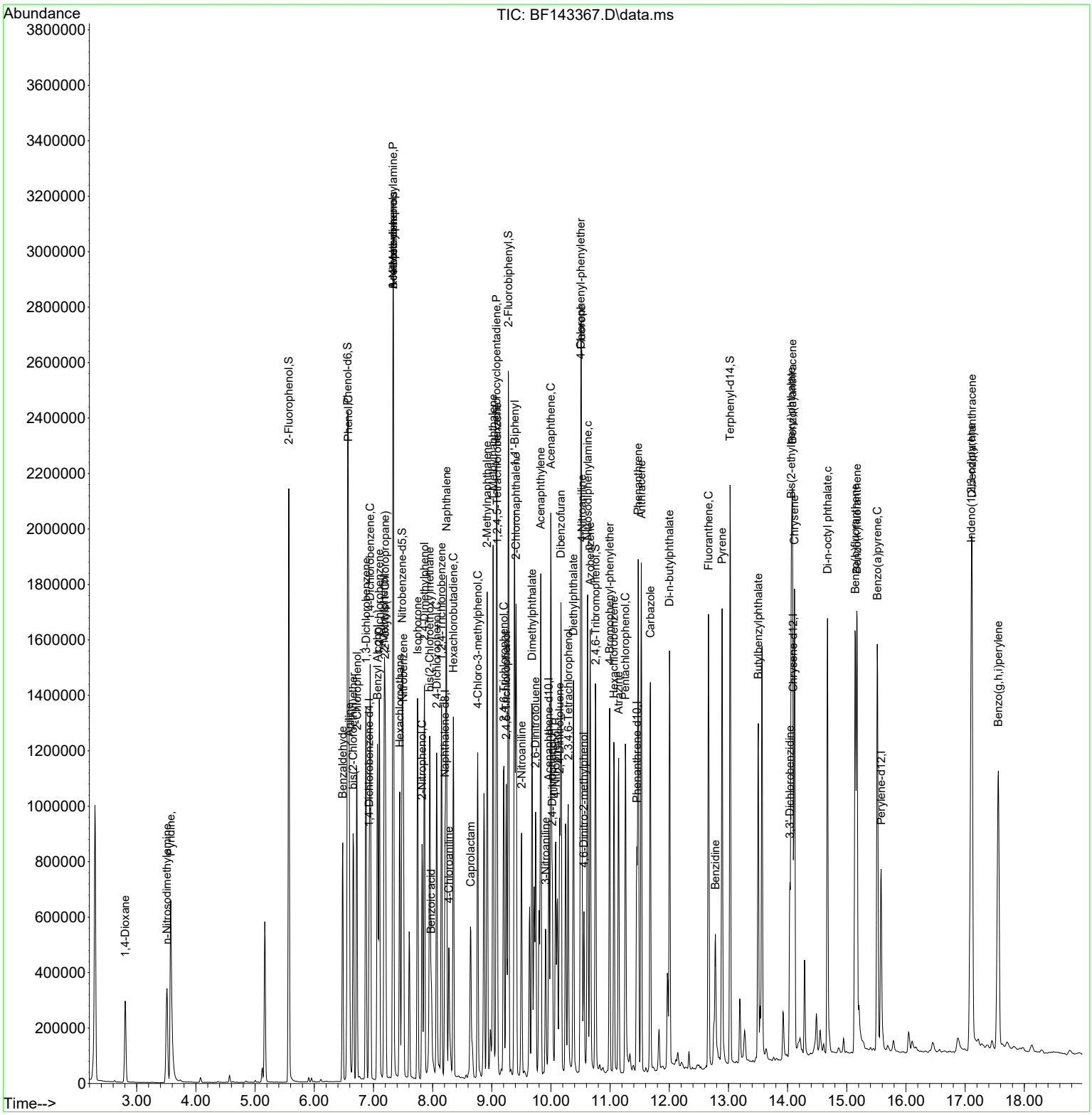
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143367.D
Acq On : 13 Aug 2025 11:12
Operator : RC/JU
Sample : Q2830-05MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 13 11:49:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
BIN0009-DRIVEWAY-TP-WESTSIDEMS

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025



Sample Results: **BF143368.D**

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

Quant Time: Aug 13 12:09:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.928 | 152 | 182122 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.210 | 136 | 707644 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.969 | 164 | 400799 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.451 | 188 | 660496 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.092 | 240 | 401162 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.580 | 264 | 380758 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.575 | 112 | 1030173 | 97.815 | ng | | 0.01 |
| 7) Phenol-d6 | 6.569 | 99 | 1365162 | 101.081 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.487 | 82 | 878016 | 77.266 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.757 | 330 | 416362 | 142.146 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.287 | 172 | 1556632 | 65.860 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.033 | 244 | 1742522 | 77.549 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.852 | 88 | 216902 | 39.800 | ng | | 99 |
| 3) Pyridine | 3.610 | 79 | 587317 | 40.442 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.552 | 42 | 317834 | 46.983 | ng | | 99 |
| 6) Aniline | 6.593 | 93 | 623006 | 32.720 | ng | # | 85 |
| 8) 2-Chlorophenol | 6.722 | 128 | 538312 | 47.835 | ng | | 97 |
| 9) Benzaldehyde | 6.481 | 77 | 312941 | 35.058 | ng | | 99 |
| 10) Phenol | 6.581 | 94 | 683901 | 42.745 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 6.663 | 93 | 535850 | 45.443 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 6.875 | 146 | 578637 | 44.578 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.945 | 146 | 581723 | 44.652 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.098 | 146 | 570467 | 46.129 | ng | | 100 |
| 15) Benzyl Alcohol | 7.069 | 79 | 492701 | 50.893 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.204 | 45 | 961341 | 45.666 | ng | | 98 |
| 17) 2-Methylphenol | 7.187 | 107 | 443333 | 46.670 | ng | | 98 |
| 18) Hexachloroethane | 7.445 | 117 | 202404 | 49.556 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.340 | 70 | 388884 | 46.600 | ng | | 100 |
| 20) 3+4-Methylphenols | 7.334 | 107 | 518418 | 45.126 | ng | | 98 |
| 22) Acetophenone | 7.334 | 105 | 694973 | 44.573 | ng | | 99 |
| 24) Nitrobenzene | 7.510 | 77 | 593508 | 48.092 | ng | | 98 |
| 25) Isophorone | 7.751 | 82 | 1117448 | 48.170 | ng | | 100 |
| 26) 2-Nitrophenol | 7.828 | 139 | 294278 | 58.630 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.863 | 122 | 511164 | 52.817 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.957 | 93 | 676006 | 47.729 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.069 | 162 | 468786 | 49.593 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.151 | 180 | 478500 | 47.989 | ng | | 99 |
| 31) Naphthalene | 8.234 | 128 | 1505002 | 44.199 | ng | | 100 |
| 32) Benzoic acid | 7.998 | 122 | 309164 | 65.585 | ng | | 98 |
| 33) 4-Chloroaniline | 8.275 | 127 | 272712 | 22.205 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.351 | 225 | 288283 | 46.477 | ng | | 99 |
| 35) Caprolactam | 8.657 | 113 | 165196m | 62.166 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.769 | 107 | 502504 | 50.708 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.922 | 142 | 946801 | 42.295 | ng | | 100 |
| 38) 1-Methylnaphthalene | 9.022 | 142 | 966128 | 44.811 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.092 | 216 | 480387 | 43.801 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.081 | 237 | 428209 | 108.143 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.204 | 196 | 328493 | 52.788 | ng | | 99 |

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

Quant Time: Aug 13 12:09:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.245 | 196 | 351758 | 50.056 | ng | | 100 |
| 46) 1,1'-Biphenyl | 9.386 | 154 | 1270549 | 44.834 | ng | | 100 |
| 47) 2-Chloronaphthalene | 9.416 | 162 | 979937 | 43.906 | ng | | 99 |
| 48) 2-Nitroaniline | 9.504 | 65 | 340937 | 52.679 | ng | | 100 |
| 49) Acenaphthylene | 9.828 | 152 | 1581483 | 49.067 | ng | | 99 |
| 50) Dimethylphthalate | 9.686 | 163 | 1214679 | 51.866 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.745 | 165 | 268843 | 59.883 | ng | | 94 |
| 52) Acenaphthene | 10.004 | 154 | 1043271 | 48.688 | ng | | 99 |
| 53) 3-Nitroaniline | 9.916 | 138 | 192473 | 40.131 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 10.028 | 184 | 241742 | 108.851 | ng | # | 79 |
| 55) Dibenzofuran | 10.175 | 168 | 1401976 | 45.461 | ng | | 99 |
| 56) 4-Nitrophenol | 10.086 | 139 | 377068 | 97.115 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 10.151 | 165 | 367974 | 61.658 | ng | | 94 |
| 58) Fluorene | 10.516 | 166 | 1069858 | 45.419 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.292 | 232 | 302951 | 63.954 | ng | | 98 |
| 60) Diethylphthalate | 10.386 | 149 | 1155461 | 55.082 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.504 | 204 | 544980 | 47.882 | ng | | 99 |
| 62) 4-Nitroaniline | 10.534 | 138 | 276498 | 59.587 | ng | | 99 |
| 63) Azobenzene | 10.669 | 77 | 1235605 | 51.569 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylph... | 10.563 | 198 | 186228 | 66.409 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 10.622 | 169 | 962968 | 44.277 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.998 | 248 | 358621 | 47.475 | ng | | 95 |
| 68) Hexachlorobenzene | 11.069 | 284 | 376657 | 46.259 | ng | | 99 |
| 69) Atrazine | 11.151 | 200 | 331678 | 58.471 | ng | | 99 |
| 70) Pentachlorophenol | 11.263 | 266 | 403940 | 99.770 | ng | | 97 |
| 71) Phenanthrene | 11.480 | 178 | 1582864 | 43.924 | ng | | 99 |
| 72) Anthracene | 11.533 | 178 | 1617222 | 44.251 | ng | | 100 |
| 73) Carbazole | 11.680 | 167 | 1435658 | 46.126 | ng | | 98 |
| 74) Di-n-butylphthalate | 12.010 | 149 | 1806368 | 68.584 | ng | | 100 |
| 75) Fluoranthene | 12.669 | 202 | 1600581 | 50.705 | ng | | 99 |
| 77) Benzidine | 12.780 | 184 | 443223 | 40.413 | ng | | 98 |
| 78) Pyrene | 12.898 | 202 | 1573380 | 46.752 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.504 | 149 | 628406 | 91.246 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.080 | 228 | 1177706 | 46.189 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 14.039 | 252 | 240837 | 34.980 | ng | | 99 |
| 83) Chrysene | 14.121 | 228 | 1116683 | 46.969 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.063 | 149 | 801196 | 79.088 | ng | | 97 |
| 85) Di-n-octyl phthalate | 14.674 | 149 | 1151053 | 57.708 | ng | | 96 |
| 87) Indeno(1,2,3-cd)pyrene | 17.104 | 276 | 1270391 | 46.571 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.145 | 252 | 1011358 | 48.563 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.174 | 252 | 1035288 | 51.160 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.521 | 252 | 987713 | 50.356 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.121 | 278 | 1038764 | 47.665 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.562 | 276 | 1008201 | 45.924 | ng | | 99 |

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

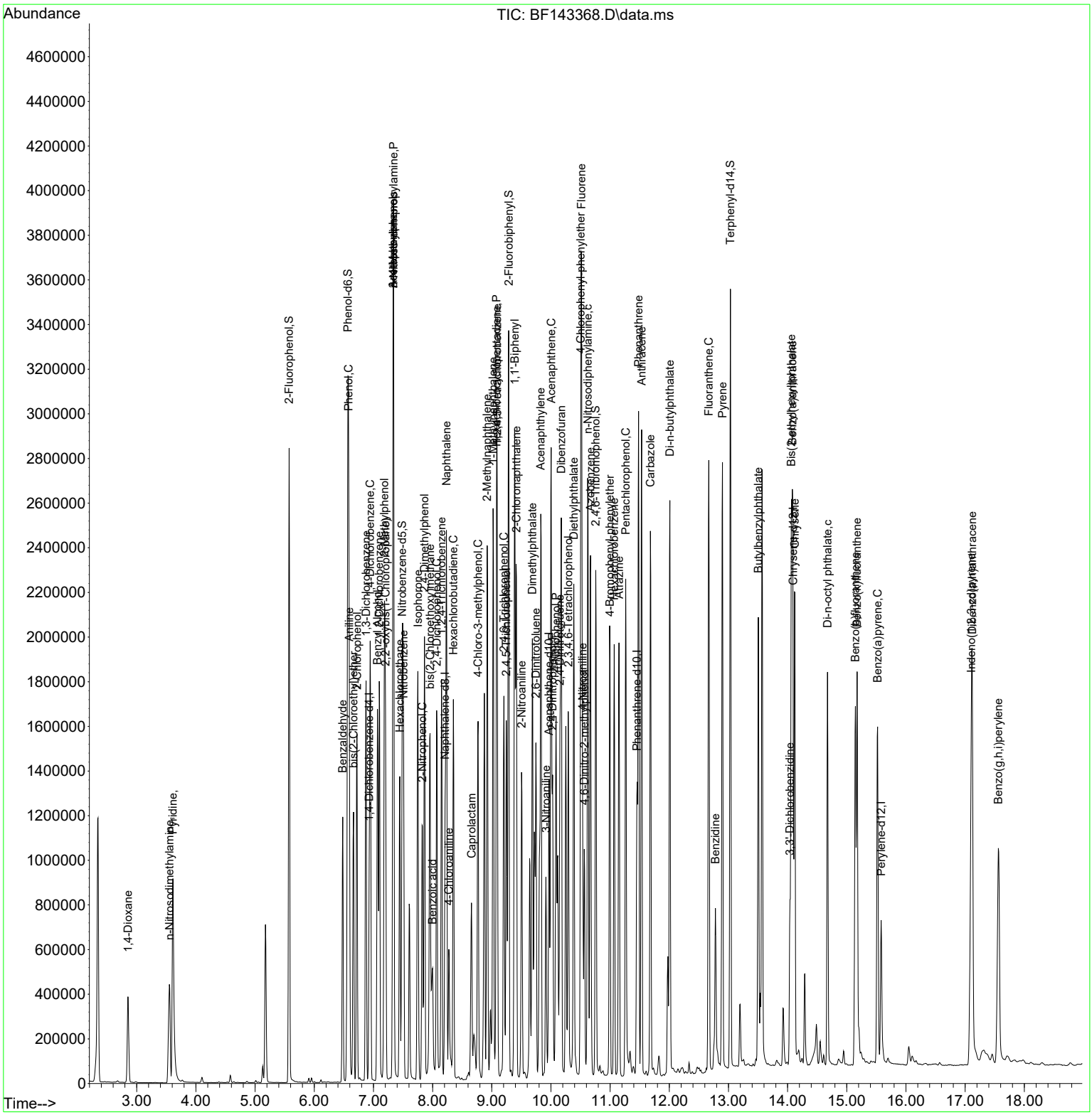
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143368.D
Acq On : 13 Aug 2025 11:42
Operator : RC/JU
Sample : Q2830-05MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 13 12:09:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025



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

# Manual Integration Report

| Sequence: | BF081225 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDICC010 | BF143345.D | Benzoic acid | Rahul | 8/13/2025 8:58:28 AM | Jagrut | 8/13/2025 11:10:31 AM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | bf081325 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| Q2830-05MS | BF143367.D | 2,4-Dimethylphenol | Rahul | 8/14/2025 10:12:53 AM | Jagrut | 8/15/2025 12:46:35 PM | Peak Integrated by Software |
| Q2830-05MSD | BF143368.D | Caprolactam | Rahul | 8/14/2025 10:12:55 AM | Jagrut | 8/15/2025 12:46:37 PM | Peak Integrated by Software |
| SSTDCCC040 | BF143375.D | 2,4-Dimethylphenol | Rahul | 8/14/2025 10:13:11 AM | Jagrut | 8/15/2025 12:46:49 PM | Peak Integrated by Software |
| SSTDCCC040 | BF143375.D | Benzoic acid | Rahul | 8/14/2025 10:13:11 AM | Jagrut | 8/15/2025 12:46:49 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | BP081425 | Instrument | BNA_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDICC005 | BP025393.D | Acenaphthene | Rahul | 8/15/2025 9:34:57 AM | Jagrut | 8/15/2025 12:49:22 PM | Peak Integrated by Software |
| SSTDICC010 | BP025394.D | Acenaphthene | Rahul | 8/15/2025 9:34:54 AM | Jagrut | 8/15/2025 12:49:24 PM | Peak Integrated by Software |
| SSTDICC010 | BP025394.D | Benzaldehyde | Rahul | 8/15/2025 9:34:54 AM | Jagrut | 8/15/2025 12:49:24 PM | Peak Integrated by Software |
| SSTDICC010 | BP025394.D | Benzoic acid | Rahul | 8/15/2025 9:34:54 AM | Jagrut | 8/15/2025 12:49:24 PM | Peak Integrated by Software |
| SSTDICC010 | BP025394.D | Indeno(1,2,3-cd)pyrene | Rahul | 8/15/2025 9:34:54 AM | Jagrut | 8/15/2025 12:49:24 PM | Peak Integrated by Software |
| SSTDICC020 | BP025395.D | Acenaphthene | Rahul | 8/15/2025 9:34:49 AM | Jagrut | 8/15/2025 12:49:27 PM | Peak Integrated by Software |
| SSTDICC020 | BP025395.D | Benzoic acid | Rahul | 8/15/2025 9:34:49 AM | Jagrut | 8/15/2025 12:49:27 PM | Peak Integrated by Software |
| SSTDICC020 | BP025395.D | Indeno(1,2,3-cd)pyrene | Rahul | 8/15/2025 9:34:49 AM | Jagrut | 8/15/2025 12:49:27 PM | Peak Integrated by Software |
| SSTDICCC040 | BP025396.D | Indeno(1,2,3-cd)pyrene | Rahul | 8/15/2025 9:34:47 AM | Jagrut | 8/15/2025 12:49:30 PM | Peak Integrated by Software |
| SSTDICC050 | BP025397.D | Benzo(g,h,i)perylene | Rahul | 8/15/2025 9:34:43 AM | Jagrut | 8/15/2025 12:49:33 PM | Peak Integrated by Software |
| SSTDICC050 | BP025397.D | Indeno(1,2,3-cd)pyrene | Rahul | 8/15/2025 9:34:43 AM | Jagrut | 8/15/2025 12:49:33 PM | Peak Integrated by Software |
| SSTDICC080 | BP025399.D | Indeno(1,2,3-cd)pyrene | Rahul | 8/15/2025 9:34:40 AM | Jagrut | 8/15/2025 12:49:36 PM | Peak Integrated by Software |
| SSTDICV040 | BP025400.D | Acenaphthene | Rahul | 8/15/2025 9:34:38 AM | Jagrut | 8/15/2025 12:49:39 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | BP081425 | Instrument | BNA_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| PB169210BS | BP025402.D | Indeno(1,2,3-cd)pyrene | Rahul | 8/15/2025 9:34:35 AM | Jagrut | 8/15/2025 12:49:41 PM | Peak Integrated by Software |
| SSTDCCC040 | BP025403.D | Indeno(1,2,3-cd)pyrene | Rahul | 8/15/2025 9:34:33 AM | Jagrut | 8/15/2025 12:49:44 PM | Peak Integrated by Software |
| SSTDCCC040 | BP025405.D | Indeno(1,2,3-cd)pyrene | Rahul | 8/15/2025 9:34:31 AM | Jagrut | 8/15/2025 12:49:46 PM | Peak Integrated by Software |
| SSTDCCC040 | BP025420.D | Acenaphthene | Rahul | 8/15/2025 12:47:42 PM | Jagrut | 8/15/2025 12:48:50 PM | Peak Integrated by Software |
| SSTDCCC040 | BP025420.D | Indeno(1,2,3-cd)pyrene | Rahul | 8/15/2025 12:47:42 PM | Jagrut | 8/15/2025 12:48:50 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | bp081825 | Instrument | BNA_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDCCC040 | BP025455.D | Acenaphthene | Rahul | 8/19/2025 8:33:39 AM | Jagrut | 8/19/2025 8:38:58 AM | Peak Integrated by Software |
| SSTDCCC040 | BP025455.D | Benzaldehyde | Rahul | 8/19/2025 8:33:39 AM | Jagrut | 8/19/2025 8:38:58 AM | Peak Integrated by Software |

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF081225

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Jagrut | Review On | 8/13/2025 11:12:27 AM | | | | |
| Supervise By | Rahul | Supervise On | 8/13/2025 3:44:43 PM | | | | |
| SubDirectory | BF081225 | HP Acquire Method | BNA_F | | HP Processing Method | bf081225 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864 |
| CCC | SP6860 |
| Internal Standard/PEM | S13170,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF143342.D | 12 Aug 2025 08:34 | RC/JU | Ok |
| 2 | SSTDICC2.5 | BF143343.D | 12 Aug 2025 09:03 | RC/JU | Ok |
| 3 | SSTDICC005 | BF143344.D | 12 Aug 2025 09:34 | RC/JU | Ok |
| 4 | SSTDICC010 | BF143345.D | 12 Aug 2025 10:04 | RC/JU | Ok,M |
| 5 | SSTDICC020 | BF143346.D | 12 Aug 2025 10:35 | RC/JU | Ok |
| 6 | SSTDICCC040 | BF143347.D | 12 Aug 2025 11:06 | RC/JU | Ok |
| 7 | SSTDICC050 | BF143348.D | 12 Aug 2025 11:37 | RC/JU | Ok |
| 8 | SSTDICC060 | BF143349.D | 12 Aug 2025 12:07 | RC/JU | Ok |
| 9 | SSTDICC080 | BF143350.D | 12 Aug 2025 12:38 | RC/JU | Ok |
| 10 | SSTDICV040 | BF143351.D | 12 Aug 2025 13:52 | RC/JU | Ok |
| 11 | PB169189BL | BF143352.D | 12 Aug 2025 14:22 | RC/JU | Ok |
| 12 | PB169189BS | BF143353.D | 12 Aug 2025 14:53 | RC/JU | Ok,M |
| 13 | Q2807-02 | BF143354.D | 12 Aug 2025 15:33 | RC/JU | Ok,M |
| 14 | Q2807-01 | BF143355.D | 12 Aug 2025 16:02 | RC/JU | Ok |
| 15 | Q2807-03 | BF143356.D | 12 Aug 2025 16:32 | RC/JU | Ok,M |
| 16 | Q2807-03MS | BF143357.D | 12 Aug 2025 17:02 | RC/JU | Ok |
| 17 | Q2807-03MSD | BF143358.D | 12 Aug 2025 17:32 | RC/JU | Ok,M |
| 18 | Q2830-07 | BF143359.D | 12 Aug 2025 18:02 | RC/JU | Ok |
| 19 | Q2830-01 | BF143360.D | 12 Aug 2025 18:32 | RC/JU | Ok |
| 20 | Q2830-03 | BF143361.D | 12 Aug 2025 19:02 | RC/JU | Ok |
| 21 | Q2830-05 | BF143362.D | 12 Aug 2025 19:32 | RC/JU | Ok |

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Fax : 908 789 8922

**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF081225

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Jagrut | Review On | 8/13/2025 11:12:27 AM | | | | |
| Supervise By | Rahul | Supervise On | 8/13/2025 3:44:43 PM | | | | |
| SubDirectory | BF081225 | HP Acquire Method | BNA_F | | HP Processing Method | bf081225 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864 |
| CCC | SP6860 |
| Internal Standard/PEM | S13170,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q2831-01 | BF143363.D | 12 Aug 2025 20:02 | RC/JU | Ok,M |

M : Manual Integration

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF081325

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Rahul | Review On | 8/14/2025 10:13:42 AM | | | | |
| Supervise By | Jagrut | Supervise On | 8/15/2025 12:47:02 PM | | | | |
| SubDirectory | BF081325 | HP Acquire Method | BNA_F | | HP Processing Method | bf081225 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864 |
| CCC | SP6860 |
| Internal Standard/PEM | S13170,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF143364.D | 13 Aug 2025 08:59 | RC/JU | Ok |
| 2 | SSTDCCC040 | BF143365.D | 13 Aug 2025 10:00 | RC/JU | Ok |
| 3 | PB169210BL | BF143366.D | 13 Aug 2025 10:30 | RC/JU | Ok |
| 4 | Q2830-05MS | BF143367.D | 13 Aug 2025 11:12 | RC/JU | Ok,M |
| 5 | Q2830-05MSD | BF143368.D | 13 Aug 2025 11:42 | RC/JU | Ok,M |
| 6 | Q2808-04 | BF143369.D | 13 Aug 2025 12:12 | RC/JU | Ok |
| 7 | Q2808-04MS | BF143370.D | 13 Aug 2025 12:42 | RC/JU | Ok,M |
| 8 | Q2808-04MSD | BF143371.D | 13 Aug 2025 13:12 | RC/JU | Ok,M |
| 9 | Q2827-04 | BF143372.D | 13 Aug 2025 13:42 | RC/JU | Ok |
| 10 | Q2827-08 | BF143373.D | 13 Aug 2025 14:11 | RC/JU | Ok,M |
| 11 | Q2831-03 | BF143374.D | 13 Aug 2025 14:42 | RC/JU | Ok,M |
| 12 | SSTDCCC040 | BF143375.D | 13 Aug 2025 15:41 | RC/JU | Ok,M |

M : Manual Integration

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

**Instrument ID: BNA_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 8/15/2025 9:35:16 AM | | |
| Supervise By | Jagrut | Supervise On | 8/15/2025 3:48:12 PM | | |
| SubDirectory | BP081425 | HP Acquire Method | BNA_P | HP Processing Method | bp081425 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S13170,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BP025390.D | 14 Aug 2025 10:30 | CG/JU | Ok |
| 2 | SSTDCCC040 | BP025391.D | 14 Aug 2025 11:52 | CG/JU | Not Ok |
| 3 | SSTDICC2.5 | BP025392.D | 14 Aug 2025 12:33 | CG/JU | Ok |
| 4 | SSTDICC005 | BP025393.D | 14 Aug 2025 13:15 | CG/JU | Ok,M |
| 5 | SSTDICC010 | BP025394.D | 14 Aug 2025 13:56 | CG/JU | Ok,M |
| 6 | SSTDICC020 | BP025395.D | 14 Aug 2025 14:38 | CG/JU | Ok,M |
| 7 | SSTDICCC040 | BP025396.D | 14 Aug 2025 15:19 | CG/JU | Ok,M |
| 8 | SSTDICC050 | BP025397.D | 14 Aug 2025 16:01 | CG/JU | Ok,M |
| 9 | SSTDICC060 | BP025398.D | 14 Aug 2025 16:42 | CG/JU | Ok |
| 10 | SSTDICC080 | BP025399.D | 14 Aug 2025 17:24 | CG/JU | Ok,M |
| 11 | SSTDICV040 | BP025400.D | 14 Aug 2025 18:05 | CG/JU | Ok,M |
| 12 | PB169200TB | BP025401.D | 14 Aug 2025 19:28 | CG/JU | Ok |
| 13 | PB169210BS | BP025402.D | 14 Aug 2025 20:10 | CG/JU | Ok,M |
| 14 | SSTDCCC040 | BP025403.D | 14 Aug 2025 20:51 | CG/JU | Ok,M |
| 15 | DFTPP | BP025404.D | 14 Aug 2025 22:14 | CG/JU | Ok |
| 16 | SSTDCCC040 | BP025405.D | 14 Aug 2025 22:56 | CG/JU | Ok,M |
| 17 | PB169228BL | BP025406.D | 14 Aug 2025 23:37 | CG/JU | Ok |
| 18 | PB169228BS | BP025407.D | 15 Aug 2025 00:18 | CG/JU | Ok,M |
| 19 | Q2820-10 | BP025408.D | 15 Aug 2025 01:00 | CG/JU | Ok |
| 20 | Q2820-11 | BP025409.D | 15 Aug 2025 01:41 | CG/JU | Ok |
| 21 | Q2820-21 | BP025410.D | 15 Aug 2025 02:22 | CG/JU | ReRun |

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**Instrument ID: BNA_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 8/15/2025 9:35:16 AM | | |
| Supervise By | Jagrut | Supervise On | 8/15/2025 3:48:12 PM | | |
| SubDirectory | BP081425 | HP Acquire Method | BNA_P | HP Processing Method | bp081425 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S13170,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q2820-22 | BP025411.D | 15 Aug 2025 03:03 | CG/JU | ReRun |
| 23 | Q2820-14 | BP025412.D | 15 Aug 2025 03:45 | CG/JU | Ok |
| 24 | Q2820-16 | BP025413.D | 15 Aug 2025 04:26 | CG/JU | Ok |
| 25 | Q2820-17 | BP025414.D | 15 Aug 2025 05:07 | CG/JU | Ok |
| 26 | Q2820-17MS | BP025415.D | 15 Aug 2025 05:48 | CG/JU | Ok,M |
| 27 | Q2820-17MSD | BP025416.D | 15 Aug 2025 06:29 | CG/JU | Ok,M |
| 28 | Q2820-18 | BP025417.D | 15 Aug 2025 07:10 | CG/JU | Ok |
| 29 | Q2820-19 | BP025418.D | 15 Aug 2025 07:51 | CG/JU | ReRun |
| 30 | Q2820-20 | BP025419.D | 15 Aug 2025 08:32 | CG/JU | ReRun |
| 31 | SSTDCCC040 | BP025420.D | 15 Aug 2025 09:13 | CG/JU | Ok,M |

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**Instrument ID: BNA_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # BP081825

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Rahul | Review On | 8/19/2025 8:34:05 AM | | | | |
| Supervise By | Jagrut | Supervise On | 8/19/2025 8:39:20 AM | | | | |
| SubDirectory | BP081825 | HP Acquire Method | BNA_P | | HP Processing Method | bp081425 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S13170,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BP025454.D | 18 Aug 2025 08:34 | CG/JU | Ok |
| 2 | SSTDCCC040 | BP025455.D | 18 Aug 2025 10:39 | CG/JU | Ok,M |
| 3 | PB169244BL | BP025456.D | 18 Aug 2025 11:20 | CG/JU | Ok |
| 4 | Q2838-05 | BP025457.D | 18 Aug 2025 12:06 | CG/JU | Ok |
| 5 | Q2864-01 | BP025458.D | 18 Aug 2025 12:47 | CG/JU | Ok |
| 6 | Q2838-01 | BP025459.D | 18 Aug 2025 13:28 | CG/JU | Ok |
| 7 | Q2864-03 | BP025460.D | 18 Aug 2025 14:09 | CG/JU | Ok |
| 8 | Q2877-01 | BP025461.D | 18 Aug 2025 14:50 | CG/JU | Ok,M |
| 9 | Q2853-01 | BP025462.D | 18 Aug 2025 15:31 | CG/JU | Ok |
| 10 | Q2883-01 | BP025463.D | 18 Aug 2025 16:13 | CG/JU | Ok,M |
| 11 | Q2857-03 | BP025464.D | 18 Aug 2025 16:54 | CG/JU | Ok,M |
| 12 | Q2876-01 | BP025465.D | 18 Aug 2025 17:35 | CG/JU | Ok |
| 13 | Q2826-01 | BP025466.D | 18 Aug 2025 18:17 | CG/JU | Ok |
| 14 | Q2832-05 | BP025467.D | 18 Aug 2025 18:58 | CG/JU | Ok,M |
| 15 | Q2832-07 | BP025468.D | 18 Aug 2025 19:39 | CG/JU | Ok,M |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF081225

| | | | | | |
|---|---|---|---|---|---|
| Review By | Jagrut | Review On | 8/13/2025 11:12:27 AM | | |
| Supervise By | Rahul | Supervise On | 8/13/2025 3:44:43 PM | | |
| SubDirectory | BF081225 | HP Acquire Method | BNA_F | HP Processing Method | bf081225 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864 |
| CCC | SP6860 |
| Internal Standard/PEM | S13170,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BF143342.D | 12 Aug 2025 08:34 | | RC/JU | Ok |
| 2 | SSTDICC2.5 | SSTDICC2.5 | BF143343.D | 12 Aug 2025 09:03 | | RC/JU | Ok |
| 3 | SSTDICC005 | SSTDICC005 | BF143344.D | 12 Aug 2025 09:34 | | RC/JU | Ok |
| 4 | SSTDICC010 | SSTDICC010 | BF143345.D | 12 Aug 2025 10:04 | | RC/JU | Ok,M |
| 5 | SSTDICC020 | SSTDICC020 | BF143346.D | 12 Aug 2025 10:35 | | RC/JU | Ok |
| 6 | SSTDICCC040 | SSTDICCC040 | BF143347.D | 12 Aug 2025 11:06 | Compound #26,41,48,51,56,57,65,70,80,84, 85 Kept on LR | RC/JU | Ok |
| 7 | SSTDICC050 | SSTDICC050 | BF143348.D | 12 Aug 2025 11:37 | Compound #32,54 kept on QR | RC/JU | Ok |
| 8 | SSTDICC060 | SSTDICC060 | BF143349.D | 12 Aug 2025 12:07 | | RC/JU | Ok |
| 9 | SSTDICC080 | SSTDICC080 | BF143350.D | 12 Aug 2025 12:38 | Compound#09 removed from 80 ppm | RC/JU | Ok |
| 10 | SSTDICV040 | ICVBF081225 | BF143351.D | 12 Aug 2025 13:52 | | RC/JU | Ok |
| 11 | PB169189BL | PB169189BL | BF143352.D | 12 Aug 2025 14:22 | | RC/JU | Ok |
| 12 | PB169189BS | PB169189BS | BF143353.D | 12 Aug 2025 14:53 | Compound#44,51,59,62,74 failing high | RC/JU | Ok,M |
| 13 | Q2807-02 | COMP-5 | BF143354.D | 12 Aug 2025 15:33 | | RC/JU | Ok,M |
| 14 | Q2807-01 | COMP-4 | BF143355.D | 12 Aug 2025 16:02 | | RC/JU | Ok |
| 15 | Q2807-03 | COMP-6 | BF143356.D | 12 Aug 2025 16:32 | | RC/JU | Ok,M |
| 16 | Q2807-03MS | COMP-6MS | BF143357.D | 12 Aug 2025 17:02 | | RC/JU | Ok |
| 17 | Q2807-03MSD | COMP-6MSD | BF143358.D | 12 Aug 2025 17:32 | | RC/JU | Ok,M |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF081225

| | | | | | |
|---|---|---|---|---|---|
| Review By | Jagrut | Review On | 8/13/2025 11:12:27 AM | | |
| Supervise By | Rahul | Supervise On | 8/13/2025 3:44:43 PM | | |
| SubDirectory | BF081225 | HP Acquire Method | BNA_F | HP Processing Method | bf081225 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864 |
| CCC | SP6860 |
| Internal Standard/PEM | S13170,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Q2830-07 | BIN0009-DRIVEWAY-T | BF143359.D | 12 Aug 2025 18:02 | | RC/JU | Ok |
| 19 | Q2830-01 | BIN0009-DRIVEWAY-T | BF143360.D | 12 Aug 2025 18:32 | | RC/JU | Ok |
| 20 | Q2830-03 | BIN0009-DRIVEWAY-T | BF143361.D | 12 Aug 2025 19:02 | | RC/JU | Ok |
| 21 | Q2830-05 | BIN0009-DRIVEWAY-T | BF143362.D | 12 Aug 2025 19:32 | | RC/JU | Ok |
| 22 | Q2831-01 | VNJ-238 | BF143363.D | 12 Aug 2025 20:02 | | RC/JU | Ok,M |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF081325

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 8/14/2025 10:13:42 AM | | |
| Supervise By | Jagrut | Supervise On | 8/15/2025 12:47:02 PM | | |
| SubDirectory | BF081325 | HP Acquire Method | BNA_F | HP Processing Method | bf081225 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864 |
| CCC | SP6860 |
| Internal Standard/PEM | S13170,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BF143364.D | 13 Aug 2025 08:59 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BF143365.D | 13 Aug 2025 10:00 | | RC/JU | Ok |
| 3 | PB169210BL | PB169210BL | BF143366.D | 13 Aug 2025 10:30 | | RC/JU | Ok |
| 4 | Q2830-05MS | BIN0009-DRIVEWAY-T | BF143367.D | 13 Aug 2025 11:12 | | RC/JU | Ok,M |
| 5 | Q2830-05MSD | BIN0009-DRIVEWAY-T | BF143368.D | 13 Aug 2025 11:42 | | RC/JU | Ok,M |
| 6 | Q2808-04 | TP-7 | BF143369.D | 13 Aug 2025 12:12 | | RC/JU | Ok |
| 7 | Q2808-04MS | TP-7MS | BF143370.D | 13 Aug 2025 12:42 | | RC/JU | Ok,M |
| 8 | Q2808-04MSD | TP-7MSD | BF143371.D | 13 Aug 2025 13:12 | | RC/JU | Ok,M |
| 9 | Q2827-04 | TP-8 | BF143372.D | 13 Aug 2025 13:42 | | RC/JU | Ok |
| 10 | Q2827-08 | TP-9 | BF143373.D | 13 Aug 2025 14:11 | | RC/JU | Ok,M |
| 11 | Q2831-03 | VNJ-238 | BF143374.D | 13 Aug 2025 14:42 | | RC/JU | Ok,M |
| 12 | SSTDCCC040 | SSTDCCC040EC | BF143375.D | 13 Aug 2025 15:41 | | RC/JU | Ok,M |

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**Instrument ID:** BNA_P

## Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 8/15/2025 9:35:16 AM | | |
| Supervise By | Jagrut | Supervise On | 8/15/2025 3:48:12 PM | | |
| SubDirectory | BP081425 | HP Acquire Method | BNA_P | HP Processing Method | bp081425 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S13170,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BP025390.D | 14 Aug 2025 10:30 | | CG/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BP025391.D | 14 Aug 2025 11:52 | A Fresh Calibration is required. | CG/JU | Not Ok |
| 3 | SSTDICC2.5 | SSTDICC2.5 | BP025392.D | 14 Aug 2025 12:33 | | CG/JU | Ok |
| 4 | SSTDICC005 | SSTDICC005 | BP025393.D | 14 Aug 2025 13:15 | | CG/JU | Ok,M |
| 5 | SSTDICC010 | SSTDICC010 | BP025394.D | 14 Aug 2025 13:56 | | CG/JU | Ok,M |
| 6 | SSTDICC020 | SSTDICC020 | BP025395.D | 14 Aug 2025 14:38 | | CG/JU | Ok,M |
| 7 | SSTDICCC040 | SSTDICCC040 | BP025396.D | 14 Aug 2025 15:19 | Benzidine failed in the Calibration Method. | CG/JU | Ok,M |
| 8 | SSTDICC050 | SSTDICC050 | BP025397.D | 14 Aug 2025 16:01 | | CG/JU | Ok,M |
| 9 | SSTDICC060 | SSTDICC060 | BP025398.D | 14 Aug 2025 16:42 | | CG/JU | Ok |
| 10 | SSTDICC080 | SSTDICC080 | BP025399.D | 14 Aug 2025 17:24 | | CG/JU | Ok,M |
| 11 | SSTDICV040 | ICVBP081425 | BP025400.D | 14 Aug 2025 18:05 | | CG/JU | Ok,M |
| 12 | PB169200TB | PB169200TB | BP025401.D | 14 Aug 2025 19:28 | | CG/JU | Ok |
| 13 | PB169210BS | PB169210BS | BP025402.D | 14 Aug 2025 20:10 | | CG/JU | Ok,M |
| 14 | SSTDCCC040 | SSTDCCC040EC | BP025403.D | 14 Aug 2025 20:51 | | CG/JU | Ok,M |
| 15 | DFTPP | DFTPP | BP025404.D | 14 Aug 2025 22:14 | | CG/JU | Ok |
| 16 | SSTDCCC040 | SSTDCCC040 | BP025405.D | 14 Aug 2025 22:56 | | CG/JU | Ok,M |
| 17 | PB169228BL | PB169228BL | BP025406.D | 14 Aug 2025 23:37 | | CG/JU | Ok |

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**Instrument ID:** BNA_P

## Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 8/15/2025 9:35:16 AM | | |
| Supervise By | Jagrut | Supervise On | 8/15/2025 3:48:12 PM | | |
| SubDirectory | BP081425 | HP Acquire Method | BNA_P | HP Processing Method | bp081425 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S13170,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | PB169228BS | PB169228BS | BP025407.D | 15 Aug 2025 00:18 | | CG/JU | Ok,M |
| 19 | Q2820-10 | SOIL-DUP-2 | BP025408.D | 15 Aug 2025 01:00 | | CG/JU | Ok |
| 20 | Q2820-11 | 10PC-W | BP025409.D | 15 Aug 2025 01:41 | | CG/JU | Ok |
| 21 | Q2820-21 | 22M-N | BP025410.D | 15 Aug 2025 02:22 | Surrogate Fail | CG/JU | ReRun |
| 22 | Q2820-22 | 22M-W | BP025411.D | 15 Aug 2025 03:03 | Surrogate Fail | CG/JU | ReRun |
| 23 | Q2820-14 | 10P-E | BP025412.D | 15 Aug 2025 03:45 | | CG/JU | Ok |
| 24 | Q2820-16 | 10P-N | BP025413.D | 15 Aug 2025 04:26 | | CG/JU | Ok |
| 25 | Q2820-17 | 88H-E | BP025414.D | 15 Aug 2025 05:07 | | CG/JU | Ok |
| 26 | Q2820-17MS | 88H-EMS | BP025415.D | 15 Aug 2025 05:48 | | CG/JU | Ok,M |
| 27 | Q2820-17MSD | 88H-EMSD | BP025416.D | 15 Aug 2025 06:29 | | CG/JU | Ok,M |
| 28 | Q2820-18 | 88H-N | BP025417.D | 15 Aug 2025 07:10 | | CG/JU | Ok |
| 29 | Q2820-19 | 88H-W | BP025418.D | 15 Aug 2025 07:51 | Surrogate fail | CG/JU | ReRun |
| 30 | Q2820-20 | 88H-S | BP025419.D | 15 Aug 2025 08:32 | Surrogate Fail | CG/JU | ReRun |
| 31 | SSTDCCC040 | SSTDCCC040EC | BP025420.D | 15 Aug 2025 09:13 | | CG/JU | Ok,M |

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**Instrument ID:** BNA_P

## Daily Analysis Runlog For Sequence/QCBatch ID # BP081825

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 8/19/2025 8:34:05 AM | | |
| Supervise By | Jagrut | Supervise On | 8/19/2025 8:39:20 AM | | |
| SubDirectory | BP081825 | HP Acquire Method | BNA_P | HP Processing Method | bp081425 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S13170,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BP025454.D | 18 Aug 2025 08:34 | | CG/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BP025455.D | 18 Aug 2025 10:39 | | CG/JU | Ok,M |
| 3 | PB169244BL | PB169244BL | BP025456.D | 18 Aug 2025 11:20 | End CCC missing.- Use for Non-DOD Projects. | CG/JU | Ok |
| 4 | Q2838-05 | TP-10 | BP025457.D | 18 Aug 2025 12:06 | | CG/JU | Ok |
| 5 | Q2864-01 | LAW-25-122-126 | BP025458.D | 18 Aug 2025 12:47 | | CG/JU | Ok |
| 6 | Q2838-01 | TP-11 | BP025459.D | 18 Aug 2025 13:28 | | CG/JU | Ok |
| 7 | Q2864-03 | LAW-25-113-121 | BP025460.D | 18 Aug 2025 14:09 | | CG/JU | Ok |
| 8 | Q2877-01 | EO-02-08142025 | BP025461.D | 18 Aug 2025 14:50 | | CG/JU | Ok,M |
| 9 | Q2853-01 | TR-05-081325 | BP025462.D | 18 Aug 2025 15:31 | | CG/JU | Ok |
| 10 | Q2883-01 | RBR2520553 | BP025463.D | 18 Aug 2025 16:13 | | CG/JU | Ok,M |
| 11 | Q2857-03 | 72-12002 | BP025464.D | 18 Aug 2025 16:54 | | CG/JU | Ok,M |
| 12 | Q2876-01 | CL-02-08142025 | BP025465.D | 18 Aug 2025 17:35 | | CG/JU | Ok |
| 13 | Q2826-01 | WC1 | BP025466.D | 18 Aug 2025 18:17 | | CG/JU | Ok |
| 14 | Q2832-05 | TG-S03 | BP025467.D | 18 Aug 2025 18:58 | | CG/JU | Ok,M |
| 15 | Q2832-07 | TG-S04 | BP025468.D | 18 Aug 2025 19:39 | | CG/JU | Ok,M |

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**EXTRACTION LOGPAGE**

PB169210

| | | | | | |
|---|---|---|---|---|---|
| **SOP ID:** | M3541-ASE Extraction-15 | | | | |
| **Clean Up SOP #:** | N/A | | | **Extraction Start Date :** | 08/12/2025 |
| **Matrix :** | Solid | | | **Extraction Start Time :** | 09:15 |
| **Weigh By:** | RJ | **Extraction By:** | RJ | **Extraction End Date :** | 08/12/2025 |
| **Balance check:** | RJ | **Filter By:** | RJ | **Extraction End Time :** | 13:15 |
| **Balance ID:** | EX-SC-2 | **pH Meter ID:** | N/A | **Concentration By:** | RS |
| **pH Strip Lot#:** | N/A | **Hood ID:** | 3,7 | **Supervisor By :** | RUPESH |

**Extraction Method:** [ ] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [√] Soxhlet

| Standared Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---|---|---|---|
| Spike Sol 1 | 1.0ML | 50/100 PPM | SP6849 |
| Surrogate | 1.0ML | 100/150 PPM | SP6852 |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| MeCl2/Acetone/1:1 | N/A | EP2626 |
| Baked Na2SO4 | N/A | EP2632 |
| Sand | N/A | E3951 |
| Methylene Chloride | N/A | E3954 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

**Extraction Conformance/Non-Conformance Comments:**

1.5ML Vail Lot # 2210443.

| | | | |
|---|---|---|---|
| **KD Bath ID:** | N/A | **Envap ID:** | NEVAP-02 |
| **KD Bath Temperature:** | N/A | **Envap Temperature:** | 40 °C |

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 8/12/25 | RS (Ext-lab) | RC/SVOC |
| 13:20 | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB169210**

**Analytical Method:** M3541-ASE Extraction-15

**Concentration Date:** 08/12/2025

| Sample ID | Client Sample ID | Test | (g) mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB169210BL | SBLK210 | SVOC-TCL BNA -20 | 30.03 | N/A | ritesh | RUPESH | 1 | | | U1-1 |
| PB169210BS | SLCS210 | SVOC-TCL BNA -20 | 30.02 | N/A | ritesh | RUPESH | 1 | | | 2 |
| Q2818-01 | B-2-5-1 | SVOC-TCL BNA -20 | 30.04 | N/A | ritesh | RUPESH | 1 | B | | 3 |
| Q2818-02 | B-3-5-2 | SVOC-TCL BNA -20 | 30.09 | N/A | ritesh | RUPESH | 1 | B | | 4 |
| Q2820-01 | 82H-S | SVOC-TCL BNA -20 | 30.01 | N/A | ritesh | RUPESH | 1 | E | | 5 |
| Q2820-02 | 82H-W | SVOC-TCL BNA -20 | 30.05 | N/A | ritesh | RUPESH | 1 | E | | 6 |
| Q2820-03 | 82H-N | SVOC-TCL BNA -20 | 30.03 | N/A | ritesh | RUPESH | 1 | E | | U2-1 |
| Q2820-04 | SOIL-DUP-1 | SVOC-TCL BNA -20 | 30.06 | N/A | ritesh | RUPESH | 1 | E | | 2 |
| Q2820-05 | 518R-E | SVOC-TCL BNA -20 | 30.09 | N/A | ritesh | RUPESH | 1 | E | | 3 |
| Q2820-06 | 518R-N | SVOC-TCL BNA -20 | 30.07 | N/A | ritesh | RUPESH | 1 | E | | 4 |
| Q2820-07 | 518R-S | SVOC-TCL BNA -20 | 30.04 | N/A | ritesh | RUPESH | 1 | E | | 5 |
| Q2820-08 | 518R-W | SVOC-TCL BNA -20 | 30.08 | N/A | ritesh | RUPESH | 1 | E | | 6 |
| Q2820-09 | 705R-S | SVOC-TCL BNA -20 | 30.02 | N/A | ritesh | RUPESH | 1 | E | | U3-1 |
| Q2823-01 | SU-04-081125 | SVOC-TCL BNA -20 | 50.06 | N/A | ritesh | RUPESH | 1 | E | | 2 |
| Q2826-01 | WC1 | SVOCMS Group1 | 30.03 | N/A | ritesh | RUPESH | 1 | | | 3 |
| Q2827-01 | TP-8 | SVOC-TCL BNA -20 | 50.05 | N/A | ritesh | RUPESH | 1 | E | | 4 |
| Q2827-05 | TP-9 | SVOC-TCL BNA -20 | 50.01 | N/A | ritesh | RUPESH | 1 | E | Gasoline Smell | 5 |
| Q2830-01 | BIN0009-DRIVEWAY-TP-SOUTH-EAST | SVOC-TCL BNA -20 | 50.04 | N/A | ritesh | RUPESH | 1 | E | | 6 |
| Q2830-03 | BIN0009-DRIVEWAY-TP-WEST | SVOC-TCL BNA -20 | 50.09 | N/A | ritesh | RUPESH | 1 | E | | U6-1 |
| Q2830-05 | BIN0009-DRIVEWAY-TP-WESTSIDE | SVOC-TCL BNA -20 | 50.06 | N/A | ritesh | RUPESH | 1 | E | | 2 |
| Q2830-05MS | BIN0009-DRIVEWAY-TP-WESTSIDEMS | SVOC-TCL BNA -20 | 50.01 | N/A | ritesh | RUPESH | 1 | E | | 3 |
| Q2830-05MSD | BIN0009-DRIVEWAY-TP-WESTSIDEMSD | SVOC-TCL BNA -20 | 50.03 | N/A | ritesh | RUPESH | 1 | E | | 4 |
| Q2830-07 | BIN0009-DRIVEWAY-TP-EASTSIDE | SVOC-TCL BNA -20 | 50.09 | N/A | ritesh | RUPESH | 1 | E | | 5 |
| Q2831-01 | VNJ-238 | SVOC-TCL BNA -20 | 50.07 | N/A | ritesh | RUPESH | 1 | B | | 6 |

RS 8/12

*** Extracts relinquished on the same date as received.**

169210
9:15

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** Q2826 **WorkList ID :** 191217 **Department :** Extraction **Date :** 08-12-2025 08:43:59

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q2818-01 | B-2-5-1 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | EARTH03 | | 08/11/2025 | 8270E |
| Q2818-02 | B-3-5-2 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | EARTH03 | | 08/11/2025 | 8270E |
| Q2820-01 | 82H-S | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | FIRS02 | D31 | 08/06/2025 | 8270E |
| Q2820-02 | 82H-W | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | FIRS02 | D31 | 08/06/2025 | 8270E |
| Q2820-03 | 82H-N | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | FIRS02 | D31 | 08/06/2025 | 8270E |
| Q2820-04 | SOIL-DUP-1 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | FIRS02 | D31 | 08/06/2025 | 8270E |
| Q2820-05 | 518R-E | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | FIRS02 | D31 | 08/07/2025 | 8270E |
| Q2820-06 | 518R-N | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | FIRS02 | D31 | 08/07/2025 | 8270E |
| Q2820-07 | 518R-S | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | FIRS02 | D31 | 08/07/2025 | 8270E |
| Q2820-08 | 518R-W | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | FIRS02 | D31 | 08/07/2025 | 8270E |
| Q2820-09 | 705R-S | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | FIRS02 | D31 | 08/07/2025 | 8270E |
| Q2823-01 | SU-04-081125 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG05 | D31 | 08/11/2025 | 8270E |
| Q2826-01 | WC1 | Solid | SVOCMS Group1 | Cool 4 deg C | GENV01 | D31 | 08/11/2025 | 8270E |
| Q2827-01 | TP-8 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | D31 | 08/11/2025 | 8270E |
| Q2827-05 | TP-9 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | D31 | 08/11/2025 | 8270E |
| Q2830-01 | BIN0009-DRIVEWAY-TP-SOUT | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | D31 | 08/11/2025 | 8270E |
| Q2830-03 | BIN0009-DRIVEWAY-TP-WEST | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | D31 | 08/11/2025 | 8270E |
| Q2830-05 | BIN0009-DRIVEWAY-TP-WEST | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | D31 | 08/11/2025 | 8270E |
| Q2830-07 | BIN0009-DRIVEWAY-TP-EAST | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | D31 | 08/11/2025 | 8270E |
| Q2831-01 | VNJ-238 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | D21 | 08/11/2025 | 8270E |

**Date/Time** 08/12/25 9:10
**Raw Sample Received by:** RJ (EXT-lab)
**Raw Sample Relinquished by:** CF



**Date/Time** 08/12/25 9:40
**Raw Sample Received by:** CF
**Raw Sample Relinquished by:** RJ (EXT-lab)

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q2826 | **OrderDate:** | 8/11/2025 2:06:00 PM |
| **Client:** | G Environmental | **Project:** | Ave B |
| **Contact:** | Gary Landis | **Location:** | --Select--,D31,VOA Ref. #2 Soil |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q2826-01** | **WC1** | **SOIL** | | | **08/11/25** | | | **08/11/25** |
| | | | SVOCMS Group1 | 8270E | | 08/12/25 | 08/18/25 | |

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# Hit Summary Sheet
## SW-846

**SDG No.:** Q2826 **Order ID:** Q2826

**Client:** G Environmental **Project ID:** Ave B

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID : WC1** | | | | | | | | |
| Q2826-01 | WC1 | SOIL | Aroclor-1254 | 39.4 | | 3.60 | 19.2 | ug/kg |
| | | | **Total Concentration:** | **39.400** | | | | |

# SAMPLE DATA

Raw Data: **PO112872.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | Date Collected: | 08/11/25 | |
| Project: | Ave B | | Date Received: | 08/11/25 | |
| Client Sample ID: | WC1 | | SDG No.: | Q2826 | |
| Lab Sample ID: | Q2826-01 | | Matrix: | SOIL | |
| Analytical Method: | 8082A | | % Solid: | 88.1 | Decanted: |
| Sample Wt/Vol: | 30.08 | Units: g | Final Vol: | 10000 | uL |
| Soil Aliquot Vol: | | uL | Test: | PCB | |
| Extraction Type: | | | Injection Volume : | | |
| GPC Factor : | 1.0 | PH : | | | |
| Prep Method : | SW3541B | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO112872.D | 1 | 08/12/25 08:15 | 08/12/25 17:56 | PB169205 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 4.50 | U | 4.50 | 19.2 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 4.60 | U | 4.60 | 19.2 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 4.20 | U | 4.20 | 19.2 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.50 | U | 4.50 | 19.2 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 6.70 | U | 6.70 | 19.2 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 39.4 | | 3.60 | 19.2 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 5.70 | U | 5.70 | 19.2 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 4.10 | U | 4.10 | 19.2 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 3.70 | U | 3.70 | 19.2 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 21.0 | | 30 (32) - 150 (144) | 105% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 18.6 | | 30 (32) - 150 (175) | 93% | SPK: 20 |

Comments:

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

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

# QC SUMMARY

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## Surrogate Summary

**SDG No.:** Q2826

**Client:** G Environmental

**Analytical Method:** 8082A

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Recovery(%) | Qual | Limits(%) Low | Limits(%) High |
|---|---|---|---|---|---|---|---|---|---|
| I.BLK-PO112413.D | PIBLK-PO112413.D | Tetrachloro-m-xyl | 1 | 20 | 19.1 | 95 | | 70 (60) | 130 (140) |
| | | Decachlorobiphen | 1 | 20 | 20.0 | 100 | | 70 (60) | 130 (140) |
| | | Tetrachloro-m-xyl | 2 | 20 | 19.5 | 98 | | 70 (60) | 130 (140) |
| | | Decachlorobiphen | 2 | 20 | 20.4 | 102 | | 70 (60) | 130 (140) |
| I.BLK-PO112869.D | PIBLK-PO112869.D | Tetrachloro-m-xyl | 1 | 20 | 20.7 | 103 | | 70 (60) | 130 (140) |
| | | Decachlorobiphen | 1 | 20 | 19.2 | 96 | | 70 (60) | 130 (140) |
| | | Tetrachloro-m-xyl | 2 | 20 | 20.3 | 102 | | 70 (60) | 130 (140) |
| | | Decachlorobiphen | 2 | 20 | 20.5 | 103 | | 70 (60) | 130 (140) |
| Q2826-01 | WC1 | Tetrachloro-m-xyl | 1 | 20 | 21.0 | 105 | | 30 (32) | 150 (144) |
| | | Decachlorobiphen | 1 | 20 | 16.3 | 81 | | 30 (32) | 150 (175) |
| | | Tetrachloro-m-xyl | 2 | 20 | 20.3 | 101 | | 30 (32) | 150 (144) |
| | | Decachlorobiphen | 2 | 20 | 18.6 | 93 | | 30 (32) | 150 (175) |
| I.BLK-PO112884.D | PIBLK-PO112884.D | Tetrachloro-m-xyl | 1 | 20 | 20.8 | 104 | | 70 (60) | 130 (140) |
| | | Decachlorobiphen | 1 | 20 | 17.8 | 89 | | 70 (60) | 130 (140) |
| | | Tetrachloro-m-xyl | 2 | 20 | 20.3 | 102 | | 70 (60) | 130 (140) |
| | | Decachlorobiphen | 2 | 20 | 20.8 | 104 | | 70 (60) | 130 (140) |
| I.BLK-PP074167.D | PIBLK-PP074167.D | Tetrachloro-m-xyl | 1 | 20 | 19.1 | 95 | | 70 (60) | 130 (140) |
| | | Decachlorobiphen | 1 | 20 | 19.7 | 98 | | 70 (60) | 130 (140) |
| | | Tetrachloro-m-xyl | 2 | 20 | 17.3 | 86 | | 70 (60) | 130 (140) |
| | | Decachlorobiphen | 2 | 20 | 18.7 | 93 | | 70 (60) | 130 (140) |
| I.BLK-PP074305.D | PIBLK-PP074305.D | Tetrachloro-m-xyl | 1 | 20 | 22.0 | 110 | | 70 (60) | 130 (140) |
| | | Decachlorobiphen | 1 | 20 | 21.1 | 105 | | 70 (60) | 130 (140) |
| | | Tetrachloro-m-xyl | 2 | 20 | 19.7 | 98 | | 70 (60) | 130 (140) |
| | | Decachlorobiphen | 2 | 20 | 18.5 | 93 | | 70 (60) | 130 (140) |
| PB169205BL | PB169205BL | Tetrachloro-m-xyl | 1 | 20 | 23.1 | 116 | | 30 (32) | 150 (144) |
| | | Decachlorobiphen | 1 | 20 | 22.2 | 111 | | 30 (32) | 150 (175) |
| | | Tetrachloro-m-xyl | 2 | 20 | 20.1 | 101 | | 30 (32) | 150 (144) |
| | | Decachlorobiphen | 2 | 20 | 20.1 | 100 | | 30 (32) | 150 (175) |
| PB169205BS | PB169205BS | Tetrachloro-m-xyl | 1 | 20 | 24.3 | 121 | | 30 (32) | 150 (144) |
| | | Decachlorobiphen | 1 | 20 | 22.5 | 112 | | 30 (32) | 150 (175) |
| | | Tetrachloro-m-xyl | 2 | 20 | 20.8 | 104 | | 30 (32) | 150 (144) |
| | | Decachlorobiphen | 2 | 20 | 20.0 | 100 | | 30 (32) | 150 (175) |
| Q2830-01MS | BIN0009-DRIVEWAY-TP-SOU | Tetrachloro-m-xyl | 1 | 20 | 23.5 | 117 | | 30 (32) | 150 (144) |
| | | Decachlorobiphen | 1 | 20 | 19.9 | 100 | | 30 (32) | 150 (175) |
| | | Tetrachloro-m-xyl | 2 | 20 | 22.0 | 110 | | 30 (32) | 150 (144) |
| | | Decachlorobiphen | 2 | 20 | 17.5 | 87 | | 30 (32) | 150 (175) |
| Q2830-01MSD | BIN0009-DRIVEWAY-TP-SOU | Tetrachloro-m-xyl | 1 | 20 | 23.3 | 116 | | 30 (32) | 150 (144) |
| | | Decachlorobiphen | 1 | 20 | 19.9 | 99 | | 30 (32) | 150 (175) |
| | | Tetrachloro-m-xyl | 2 | 20 | 22.1 | 111 | | 30 (32) | 150 (144) |
| | | Decachlorobiphen | 2 | 20 | 17.9 | 89 | | 30 (32) | 150 (175) |
| I.BLK-PP074319.D | PIBLK-PP074319.D | Tetrachloro-m-xyl | 1 | 20 | 22.9 | 115 | | 70 (60) | 130 (140) |

( ) = LABORATORY INHOUSE LIMIT

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## Surrogate Summary

**SDG No.:** Q2826

**Client:** G Environmental

**Analytical Method:** 8082A

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Recovery(%) | Qual | Limits(%) Low | Limits(%) High |
|---|---|---|---|---|---|---|---|---|---|
| I.BLK-PP074319.D | PIBLK-PP074319.D | Decachlorobiphen | 1 | 20 | 21.7 | 109 | | 70 (60) | 130 (140) |
| | | Tetrachloro-m-xyl | 2 | 20 | 19.8 | 99 | | 70 (60) | 130 (140) |
| | | Decachlorobiphen | 2 | 20 | 19.8 | 99 | | 70 (60) | 130 (140) |

( ) = LABORATORY INHOUSE LIMIT

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# Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q2826 **Analytical Method:** 8082A

**Client:** G Environmental **DataFile :** PP074311.D

| | Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID:** | **Q2830-01MS (Column 1)** | **Client Sample ID:** | | **BIN0009-DRIVEWAY-TP-** | | | | | | | | |
| | AR1016 | 191.7 | 0 | 201 | ug/kg | 105 | | | | 40 (55) | 140 (146) | |
| | AR1260 | 191.7 | 0 | 173 | ug/kg | 90 | | | | 40 (54) | 140 (119) | |
| **Lab Sample ID:** | **Q2830-01MS (Column 2)** | **Client Sample ID:** | | **BIN0009-DRIVEWAY-TP-** | | | | | | | | |
| | AR1016 | 191.7 | 0 | 213 | ug/kg | 111 | | | | 40 (55) | 140 (146) | |
| | AR1260 | 191.7 | 0 | 181 | ug/kg | 94 | | | | 40 (54) | 140 (119) | |

( ) = LABORATORY INHOUSE LIMIT

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# Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q2826 **Analytical Method:** 8082A

**Client:** G Environmental **DataFile :** PP074312.D

| | Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID:** | **Q2830-01MSD (Column 1)** | **Client Sample ID:** | | **BIN0009-DRIVEWAY-TP-** | | | | | | | | |
| | AR1016 | 191.6 | 0 | 213 | ug/kg | 111 | | 6 | | 40 (55) | 140 (146) | 30 (15) |
| | AR1260 | 191.6 | 0 | 177 | ug/kg | 92 | | 2 | | 40 (54) | 140 (119) | 30 (15) |
| **Lab Sample ID:** | **Q2830-01MSD (Column 2)** | **Client Sample ID:** | | **BIN0009-DRIVEWAY-TP-** | | | | | | | | |
| | AR1016 | 191.6 | 0 | 219 | ug/kg | 114 | | 3 | | 40 (55) | 140 (146) | 30 (15) |
| | AR1260 | 191.6 | 0 | 188 | ug/kg | 98 | | 4 | | 40 (54) | 140 (119) | 30 (15) |

( ) = LABORATORY INHOUSE LIMIT

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

## SW-846

**SDG No.:** Q2826 **Analytical Method:** 8082A

**Client:** G Environmental **Datafile :** PP074309.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB169205BS (Column 1) | AR1016 | 166.6 | 185 | ug/kg | 111 | | | | 40 (71) | 140 (120) | |
| | AR1260 | 166.6 | 165 | ug/kg | 99 | | | | 40 (65) | 140 (130) | |
| PB169205BS (Column 2) | AR1016 | 166.6 | 183 | ug/kg | 110 | | | | 40 (71) | 140 (120) | |
| | AR1260 | 166.6 | 180 | ug/kg | 108 | | | | 40 (65) | 140 (130) | |

( ) = LABORATORY INHOUSE LIMIT

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Fax : 908 789 8922

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB169205BL

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2826

Lab Sample ID: PB169205BL | Lab File ID: PP074308.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 08/12/2025

Date Analyzed (1): 08/12/2025 | Date Analyzed (2): 08/12/2025

Time Analyzed (1): 12:48 | Time Analyzed (2): 12:48

Instrument ID (1): ECD_P | Instrument ID (2): ECD_P

GC Column (1): ZB-MR1 ID: 0.32 (mm) | GC Column (2): ZB-MR2 ID: 0.32 (mm)

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED 1 | DATE ANALYZED 2 |
|---|---|---|---|---|
| WC1 | Q2826-01 | PO112872.D | 08/12/2025 | 08/12/2025 |
| PB169205BS | PB169205BS | PP074309.D | 08/12/2025 | 08/12/2025 |
| BIN0009-DRIVEWAY-TP-SOUTH-EASTMS | Q2830-01MS | PP074311.D | 08/12/2025 | 08/12/2025 |
| BIN0009-DRIVEWAY-TP-SOUTH-EASTMSD | Q2830-01MSD | PP074312.D | 08/12/2025 | 08/12/2025 |

COMMENTS:

# QC SAMPLE DATA

Raw Data: **PP074308.D**

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | Date Collected: | | |
| Project: | Ave B | | Date Received: | | |
| Client Sample ID: | PB169205BL | | SDG No.: | Q2826 | |
| Lab Sample ID: | PB169205BL | | Matrix: | SOIL | |
| Analytical Method: | 8082A | | % Solid: | 100 | Decanted: |
| Sample Wt/Vol: | 30.03 Units: | g | Final Vol: | 10000 | uL |
| Soil Aliquot Vol: | | uL | Test: | PCB | |
| Extraction Type: | | | Injection Volume : | | |
| GPC Factor : | 1.0 | PH : | | | |
| Prep Method : | SW3541B | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP074308.D | 1 | 08/12/25 08:15 | 08/12/25 12:48 | PB169205 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 3.90 | U | 3.90 | 17.0 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 4.00 | U | 4.00 | 17.0 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 3.70 | U | 3.70 | 17.0 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.00 | U | 4.00 | 17.0 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 5.90 | U | 5.90 | 17.0 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 3.20 | U | 3.20 | 17.0 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 5.00 | U | 5.00 | 17.0 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 3.60 | U | 3.60 | 17.0 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 3.20 | U | 3.20 | 17.0 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 23.1 | | 30 (32) - 150 (144) | 116% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 22.2 | | 30 (32) - 150 (175) | 111% | SPK: 20 |

Comments:

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

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

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 07/23/25 |
| Project: | Ave B | Date Received: | 07/23/25 |
| Client Sample ID: | PIBLK-PO112413.D | SDG No.: | Q2826 |
| Lab Sample ID: | I.BLK-PO112413.D | Matrix: | WATER |
| Analytical Method: | 8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO112413.D | 1 | | 07/23/25 | PO072325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.097 | U | 0.097 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.13 | U | 0.13 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.096 | U | 0.096 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.071 | U | 0.071 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.094 | U | 0.094 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.081 | U | 0.081 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 19.1 | | 70 (60) - 130 (140) | 95% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 20.0 | | 70 (60) - 130 (140) | 100% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

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

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 08/12/25 |
| Project: | Ave B | Date Received: | 08/12/25 |
| Client Sample ID: | PIBLK-PO112869.D | SDG No.: | Q2826 |
| Lab Sample ID: | I.BLK-PO112869.D | Matrix: | WATER |
| Analytical Method: | 8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO112869.D | 1 | | 08/12/25 | po081225 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.097 | U | 0.097 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.13 | U | 0.13 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.096 | U | 0.096 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.071 | U | 0.071 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.094 | U | 0.094 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.081 | U | 0.081 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.3 | | 70 (60) - 130 (140) | 102% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 19.2 | | 70 (60) - 130 (140) | 96% | SPK: 20 |

Comments:

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

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

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 08/12/25 |
| Project: | Ave B | Date Received: | 08/12/25 |
| Client Sample ID: | PIBLK-PO112884.D | SDG No.: | Q2826 |
| Lab Sample ID: | I.BLK-PO112884.D | Matrix: | WATER |
| Analytical Method: | 8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO112884.D | 1 | | 08/12/25 | po081225 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.097 | U | 0.097 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.13 | U | 0.13 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.096 | U | 0.096 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.071 | U | 0.071 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.094 | U | 0.094 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.081 | U | 0.081 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.3 | | 70 (60) - 130 (140) | 102% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 17.8 | | 70 (60) - 130 (140) | 89% | SPK: 20 |

Comments:

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M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 08/01/25 |
| Project: | Ave B | Date Received: | 08/01/25 |
| Client Sample ID: | PIBLK-PP074167.D | SDG No.: | Q2826 |
| Lab Sample ID: | I.BLK-PP074167.D | Matrix: | WATER |
| Analytical Method: | 8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP074167.D | 1 | | 08/01/25 | PP080125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.097 | U | 0.097 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.13 | U | 0.13 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.096 | U | 0.096 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.071 | U | 0.071 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.094 | U | 0.094 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.081 | U | 0.081 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 17.3 | | 70 (60) - 130 (140) | 86% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 18.7 | | 70 (60) - 130 (140) | 93% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
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M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 08/12/25 |
| Project: | Ave B | Date Received: | 08/12/25 |
| Client Sample ID: | PIBLK-PP074305.D | SDG No.: | Q2826 |
| Lab Sample ID: | I.BLK-PP074305.D | Matrix: | WATER |
| Analytical Method: | 8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP074305.D | 1 | | 08/12/25 | PP081225 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.097 | U | 0.097 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.13 | U | 0.13 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.096 | U | 0.096 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.071 | U | 0.071 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.094 | U | 0.094 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.081 | U | 0.081 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 19.7 | | 70 (60) - 130 (140) | 98% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 18.5 | | 70 (60) - 130 (140) | 93% | SPK: 20 |

Comments:

U = Not Detected
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D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 08/12/25 |
| Project: | Ave B | Date Received: | 08/12/25 |
| Client Sample ID: | PIBLK-PP074319.D | SDG No.: | Q2826 |
| Lab Sample ID: | I.BLK-PP074319.D | Matrix: | WATER |
| Analytical Method: | 8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP074319.D | 1 | | 08/12/25 | pp081225 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.097 | U | 0.097 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.13 | U | 0.13 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.096 | U | 0.096 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.071 | U | 0.071 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.094 | U | 0.094 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.081 | U | 0.081 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 19.8 | | 70 (60) - 130 (140) | 99% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 19.8 | | 70 (60) - 130 (140) | 99% | SPK: 20 |

Comments:

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

Raw Data: **PP074309.D**

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | Date Collected: | | |
| Project: | Ave B | | Date Received: | | |
| Client Sample ID: | PB169205BS | | SDG No.: | Q2826 | |
| Lab Sample ID: | PB169205BS | | Matrix: | SOIL | |
| Analytical Method: | 8082A | | % Solid: | 100 | Decanted: |
| Sample Wt/Vol: | 30.01 Units: | g | Final Vol: | 10000 | uL |
| Soil Aliquot Vol: | | uL | Test: | PCB | |
| Extraction Type: | | | Injection Volume : | | |
| GPC Factor : | 1.0 | PH : | | | |
| Prep Method : | SW3541B | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP074309.D | 1 | 08/12/25 08:15 | 08/12/25 13:05 | PB169205 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 185 | | 3.90 | 17.0 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 4.00 | U | 4.00 | 17.0 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 3.70 | U | 3.70 | 17.0 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.00 | U | 4.00 | 17.0 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 5.90 | U | 5.90 | 17.0 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 3.20 | U | 3.20 | 17.0 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 5.00 | U | 5.00 | 17.0 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 3.60 | U | 3.60 | 17.0 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 180 | | 3.20 | 17.0 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 24.3 | | 30 (32) - 150 (144) | 121% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 22.5 | | 30 (32) - 150 (175) | 112% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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() = Laboratory InHouse Limit

Raw Data: **PP074311.D**

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 08/11/25 |
| Project: | Ave B | Date Received: | 08/11/25 |
| Client Sample ID: | BIN0009-DRIVEWAY-TP-SOUTH-EASTMS | SDG No.: | Q2826 |
| Lab Sample ID: | Q2830-01MS | Matrix: | SOIL |
| Analytical Method: | 8082A | % Solid: | 86.9 Decanted: |
| Sample Wt/Vol: | 30.01 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP074311.D | 1 | 08/12/25 08:15 | 08/12/25 13:37 | PB169205 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 213 | | 4.50 | 19.6 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 4.60 | U | 4.60 | 19.6 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 4.30 | U | 4.30 | 19.6 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.60 | U | 4.60 | 19.6 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 6.80 | U | 6.80 | 19.6 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 3.70 | U | 3.70 | 19.6 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 5.80 | U | 5.80 | 19.6 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 4.10 | U | 4.10 | 19.6 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 181 | | 3.70 | 19.6 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 23.5 | | 30 (32) - 150 (144) | 117% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 19.9 | | 30 (32) - 150 (175) | 100% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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() = Laboratory InHouse Limit

Raw Data: **PP074312.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 08/11/25 |
| Project: | Ave B | Date Received: | 08/11/25 |
| Client Sample ID: | BIN0009-DRIVEWAY-TP-SOUTH-EASTMSD | SDG No.: | Q2826 |
| Lab Sample ID: | Q2830-01MSD | Matrix: | SOIL |
| Analytical Method: | 8082A | % Solid: | 86.9 Decanted: |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP074312.D | 1 | 08/12/25 08:15 | 08/12/25 13:53 | PB169205 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 219 | | 4.50 | 19.5 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 4.60 | U | 4.60 | 19.5 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 4.30 | U | 4.30 | 19.5 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.60 | U | 4.60 | 19.5 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 6.80 | U | 6.80 | 19.5 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 3.70 | U | 3.70 | 19.5 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 5.80 | U | 5.80 | 19.5 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 4.10 | U | 4.10 | 19.5 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 188 | | 3.70 | 19.5 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 23.3 | | 30 (32) - 150 (144) | 116% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 19.9 | | 30 (32) - 150 (175) | 99% | SPK: 20 |

Comments:

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

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

# CALIBRATION SUMMARY

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

## RETENTION TIMES OF INITIAL CALIBRATION

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **SDG NO.:** Q2826

**Instrument ID:** ECD_O **Calibration Date(s):** 07/23/2025 07/23/2025

**Calibration Times:** 11:32 19:47

GC Column: ZB-MR1 ID: 0.32 (mm)

**LAB FILE ID:** RT 1000 = PO112414.D RT 750 = PO112415.D

RT 500 = PO112416.D RT 250 = PO112417.D RT 050 = PO112418.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.76 | 4.75 | 4.76 | 4.76 | 4.76 | 4.76 | 4.66 | 4.86 |
| Aroclor-1016-2 | (2) | 4.78 | 4.77 | 4.77 | 4.77 | 4.77 | 4.77 | 4.67 | 4.87 |
| Aroclor-1016-3 | (3) | 4.83 | 4.83 | 4.83 | 4.83 | 4.83 | 4.83 | 4.73 | 4.93 |
| Aroclor-1016-4 | (4) | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.85 | 5.05 |
| Aroclor-1016-5 | (5) | 5.21 | 5.21 | 5.21 | 5.21 | 5.21 | 5.21 | 5.11 | 5.31 |
| Aroclor-1260-1 | (1) | 6.25 | 6.24 | 6.25 | 6.24 | 6.25 | 6.24 | 6.14 | 6.34 |
| Aroclor-1260-2 | (2) | 6.44 | 6.43 | 6.43 | 6.43 | 6.43 | 6.43 | 6.33 | 6.53 |
| Aroclor-1260-3 | (3) | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.70 | 6.90 |
| Aroclor-1260-4 | (4) | 7.06 | 7.06 | 7.06 | 7.06 | 7.06 | 7.06 | 6.96 | 7.16 |
| Aroclor-1260-5 | (5) | 7.30 | 7.30 | 7.30 | 7.30 | 7.30 | 7.30 | 7.20 | 7.40 |
| Decachlorobiphenyl | | 8.70 | 8.69 | 8.69 | 8.69 | 8.69 | 8.69 | 8.59 | 8.79 |
| Tetrachloro-m-xylene | | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 | 3.57 | 3.77 |
| Aroclor-1242-1 | (1) | 4.76 | 4.76 | 4.76 | 4.76 | 4.76 | 4.76 | 4.66 | 4.86 |
| Aroclor-1242-2 | (2) | 4.78 | 4.77 | 4.77 | 4.77 | 4.78 | 4.78 | 4.68 | 4.88 |
| Aroclor-1242-3 | (3) | 4.83 | 4.83 | 4.83 | 4.83 | 4.83 | 4.83 | 4.73 | 4.93 |
| Aroclor-1242-4 | (4) | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.85 | 5.05 |
| Aroclor-1242-5 | (5) | 5.60 | 5.60 | 5.60 | 5.60 | 5.60 | 5.60 | 5.50 | 5.70 |
| Decachlorobiphenyl | | 8.69 | 8.69 | 8.69 | 8.69 | 8.70 | 8.69 | 8.59 | 8.79 |
| Tetrachloro-m-xylene | | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 | 3.57 | 3.77 |
| Aroclor-1248-1 | (1) | 4.76 | 4.76 | 4.75 | 4.76 | 4.76 | 4.76 | 4.66 | 4.86 |
| Aroclor-1248-2 | (2) | 4.99 | 4.99 | 4.99 | 4.99 | 5.00 | 4.99 | 4.89 | 5.09 |
| Aroclor-1248-3 | (3) | 5.21 | 5.21 | 5.21 | 5.21 | 5.21 | 5.21 | 5.11 | 5.31 |
| Aroclor-1248-4 | (4) | 5.56 | 5.56 | 5.56 | 5.56 | 5.56 | 5.56 | 5.46 | 5.66 |
| Aroclor-1248-5 | (5) | 5.60 | 5.60 | 5.60 | 5.60 | 5.60 | 5.60 | 5.50 | 5.70 |
| Decachlorobiphenyl | | 8.69 | 8.69 | 8.69 | 8.70 | 8.69 | 8.69 | 8.59 | 8.79 |
| Tetrachloro-m-xylene | | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 | 3.57 | 3.77 |
| Aroclor-1254-1 | (1) | 5.56 | 5.56 | 5.56 | 5.56 | 5.56 | 5.56 | 5.46 | 5.66 |
| Aroclor-1254-2 | (2) | 5.71 | 5.71 | 5.71 | 5.71 | 5.71 | 5.71 | 5.61 | 5.81 |
| Aroclor-1254-3 | (3) | 6.11 | 6.11 | 6.11 | 6.11 | 6.11 | 6.11 | 6.01 | 6.21 |
| Aroclor-1254-4 | (4) | 6.34 | 6.34 | 6.34 | 6.34 | 6.34 | 6.34 | 6.24 | 6.44 |
| Aroclor-1254-5 | (5) | 6.76 | 6.76 | 6.76 | 6.76 | 6.76 | 6.76 | 6.66 | 6.86 |
| Decachlorobiphenyl | | 8.69 | 8.69 | 8.70 | 8.69 | 8.69 | 8.69 | 8.59 | 8.79 |
| Tetrachloro-m-xylene | | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 | 3.57 | 3.77 |
| Aroclor-1268-1 | (1) | 7.59 | 7.59 | 7.59 | 7.58 | 7.59 | 7.59 | 7.49 | 7.69 |
| Aroclor-1268-2 | (2) | 7.65 | 7.65 | 7.65 | 7.65 | 7.65 | 7.65 | 7.55 | 7.75 |
| Aroclor-1268-3 | (3) | 7.86 | 7.86 | 7.86 | 7.86 | 7.86 | 7.86 | 7.76 | 7.96 |
| Aroclor-1268-4 | (4) | 8.15 | 8.15 | 8.15 | 8.14 | 8.15 | 8.15 | 8.05 | 8.25 |
| Aroclor-1268-5 | (5) | 8.44 | 8.44 | 8.44 | 8.44 | 8.44 | 8.44 | 8.34 | 8.54 |

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**RETENTION TIMES OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.70 | 8.70 | 8.70 | 8.69 | 8.70 | 8.70 | 8.60 | 8.80 |
| Tetrachloro-m-xylene | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 | 3.57 | 3.77 |

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## RETENTION TIMES OF INITIAL CALIBRATION

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **SDG NO.:** Q2826

**Instrument ID:** ECD_O **Calibration Date(s):** 07/23/2025 07/23/2025

**Calibration Times:** 11:32 19:47

GC Column: ZB-MR2 ID: 0.32 (mm)

**LAB FILE ID:** RT 1000 = PO112414.D RT 750 = PO112415.D

RT 500 = PO112416.D RT 250 = PO112417.D RT 050 = PO112418.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.74 | 4.74 | 4.74 | 4.74 | 4.74 | 4.74 | 4.64 | 4.84 |
| Aroclor-1016-2 | (2) | 4.76 | 4.76 | 4.76 | 4.76 | 4.76 | 4.76 | 4.66 | 4.86 |
| Aroclor-1016-3 | (3) | 4.93 | 4.93 | 4.93 | 4.93 | 4.93 | 4.93 | 4.83 | 5.03 |
| Aroclor-1016-4 | (4) | 4.97 | 4.97 | 4.97 | 4.97 | 4.97 | 4.97 | 4.87 | 5.07 |
| Aroclor-1016-5 | (5) | 5.19 | 5.19 | 5.19 | 5.19 | 5.19 | 5.19 | 5.09 | 5.29 |
| Aroclor-1260-1 | (1) | 6.21 | 6.21 | 6.21 | 6.21 | 6.21 | 6.21 | 6.11 | 6.31 |
| Aroclor-1260-2 | (2) | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.30 | 6.50 |
| Aroclor-1260-3 | (3) | 6.55 | 6.55 | 6.55 | 6.55 | 6.55 | 6.55 | 6.45 | 6.65 |
| Aroclor-1260-4 | (4) | 7.02 | 7.02 | 7.02 | 7.02 | 7.02 | 7.02 | 6.92 | 7.12 |
| Aroclor-1260-5 | (5) | 7.27 | 7.26 | 7.26 | 7.26 | 7.27 | 7.26 | 7.16 | 7.36 |
| Decachlorobiphenyl | | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.54 | 8.74 |
| Tetrachloro-m-xylene | | 3.66 | 3.66 | 3.66 | 3.66 | 3.66 | 3.66 | 3.56 | 3.76 |
| Aroclor-1242-1 | (1) | 4.74 | 4.74 | 4.74 | 4.74 | 4.74 | 4.74 | 4.64 | 4.84 |
| Aroclor-1242-2 | (2) | 4.76 | 4.76 | 4.76 | 4.76 | 4.76 | 4.76 | 4.66 | 4.86 |
| Aroclor-1242-3 | (3) | 4.93 | 4.93 | 4.93 | 4.93 | 4.93 | 4.93 | 4.83 | 5.03 |
| Aroclor-1242-4 | (4) | 5.02 | 5.02 | 5.02 | 5.02 | 5.02 | 5.02 | 4.92 | 5.12 |
| Aroclor-1242-5 | (5) | 5.53 | 5.53 | 5.53 | 5.53 | 5.54 | 5.53 | 5.43 | 5.63 |
| Decachlorobiphenyl | | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.54 | 8.74 |
| Tetrachloro-m-xylene | | 3.66 | 3.66 | 3.66 | 3.66 | 3.66 | 3.66 | 3.56 | 3.76 |
| Aroclor-1248-1 | (1) | 4.74 | 4.74 | 4.74 | 4.74 | 4.74 | 4.74 | 4.64 | 4.84 |
| Aroclor-1248-2 | (2) | 4.97 | 4.97 | 4.97 | 4.97 | 4.97 | 4.97 | 4.87 | 5.07 |
| Aroclor-1248-3 | (3) | 5.02 | 5.02 | 5.02 | 5.02 | 5.02 | 5.02 | 4.92 | 5.12 |
| Aroclor-1248-4 | (4) | 5.19 | 5.19 | 5.19 | 5.19 | 5.19 | 5.19 | 5.09 | 5.29 |
| Aroclor-1248-5 | (5) | 5.58 | 5.58 | 5.58 | 5.58 | 5.58 | 5.58 | 5.48 | 5.68 |
| Decachlorobiphenyl | | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.54 | 8.74 |
| Tetrachloro-m-xylene | | 3.66 | 3.66 | 3.66 | 3.66 | 3.66 | 3.66 | 3.56 | 3.76 |
| Aroclor-1254-1 | (1) | 5.54 | 5.54 | 5.54 | 5.53 | 5.53 | 5.54 | 5.44 | 5.64 |
| Aroclor-1254-2 | (2) | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.58 | 5.78 |
| Aroclor-1254-3 | (3) | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 5.98 | 6.18 |
| Aroclor-1254-4 | (4) | 6.31 | 6.31 | 6.31 | 6.31 | 6.31 | 6.31 | 6.21 | 6.41 |
| Aroclor-1254-5 | (5) | 6.73 | 6.73 | 6.73 | 6.73 | 6.73 | 6.73 | 6.63 | 6.83 |
| Decachlorobiphenyl | | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.54 | 8.74 |
| Tetrachloro-m-xylene | | 3.66 | 3.66 | 3.66 | 3.66 | 3.66 | 3.66 | 3.56 | 3.76 |
| Aroclor-1268-1 | (1) | 7.55 | 7.55 | 7.55 | 7.55 | 7.55 | 7.55 | 7.45 | 7.65 |
| Aroclor-1268-2 | (2) | 7.61 | 7.61 | 7.61 | 7.61 | 7.61 | 7.61 | 7.51 | 7.71 |
| Aroclor-1268-3 | (3) | 7.82 | 7.82 | 7.82 | 7.82 | 7.82 | 7.82 | 7.72 | 7.92 |
| Aroclor-1268-4 | (4) | 8.10 | 8.10 | 8.10 | 8.10 | 8.10 | 8.10 | 8.00 | 8.20 |
| Aroclor-1268-5 | (5) | 8.39 | 8.39 | 8.39 | 8.39 | 8.39 | 8.39 | 8.29 | 8.49 |

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**RETENTION TIMES OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.54 | 8.74 |
| Tetrachloro-m-xylene | 3.66 | 3.66 | 3.66 | 3.66 | 3.66 | 3.66 | 3.56 | 3.76 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Lab Name:** Alliance
**Lab Code:** ACE
**Instrument ID:** ECD_O

**Contract:** GENV01
**SDG NO.:** Q2826
**Calibration Date(s):** 07/23/2025 07/23/2025
**Calibration Times:** 11:32 19:47

**GC Column:** ZB-MR1 **ID:** 0.32 (mm)

**LAB FILE ID:** CF 1000 = PO112414.D CF 750 = PO112415.D
CF 500 = PO112416.D CF 250 = PO112417.D CF 050 = PO112418.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 281481703 | 285148303 | 290849518 | 279501268 | 204848240 | 268365806 | 13 |
| Aroclor-1016-2 | (2) | 418001550 | 431852928 | 433849136 | 420704900 | 326178800 | 406117463 | 11 |
| Aroclor-1016-3 | (3) | 263638281 | 273794351 | 273610504 | 262887848 | 234438940 | 261673985 | 6 |
| Aroclor-1016-4 | (4) | 216165184 | 219268720 | 223332708 | 213740540 | 186700200 | 211841470 | 6 |
| Aroclor-1016-5 | (5) | 221113370 | 228268088 | 233867428 | 235369996 | 178734160 | 219470608 | 10 |
| Aroclor-1260-1 | (1) | 431773857 | 450001749 | 476240286 | 447612572 | 391026880 | 439331069 | 7 |
| Aroclor-1260-2 | (2) | 673380136 | 698254531 | 722944530 | 686506064 | 658383800 | 687893812 | 3 |
| Aroclor-1260-3 | (3) | 611274773 | 627246767 | 610311884 | 614713140 | 476551180 | 588019549 | 10 |
| Aroclor-1260-4 | (4) | 447285263 | 461047633 | 473248904 | 505121600 | 368319820 | 451004644 | 11 |
| Aroclor-1260-5 | (5) | 1262689005 | 1283961461 | 1337121492 | 1347466800 | 964454900 | 1239138732 | 12 |
| Decachlorobiphenyl | | 7456684020 | 7676252293 | 7829495380 | 7672255680 | 5924316000 | 7311800675 | 11 |
| Tetrachloro-m-xylene | | 8554863660 | 8750848067 | 8754072420 | 8314620000 | 6283438800 | 8131568589 | 13 |
| Aroclor-1242-1 | (1) | 256299409 | 259568919 | 260660454 | 265097176 | 196334180 | 247592028 | 11 |
| Aroclor-1242-2 | (2) | 381137122 | 387088803 | 391556862 | 393536916 | 295648160 | 369793573 | 11 |
| Aroclor-1242-3 | (3) | 241769617 | 246476011 | 248315054 | 252195680 | 194532760 | 236657824 | 10 |
| Aroclor-1242-4 | (4) | 195717021 | 198363989 | 201564902 | 203398396 | 172348620 | 194278586 | 6 |
| Aroclor-1242-5 | (5) | 215656431 | 220174447 | 229182990 | 229543836 | 175020200 | 213915581 | 10 |
| Decachlorobiphenyl | | 8000645330 | 8037989413 | 8087967020 | 8086832920 | 6389983800 | 7720683697 | 10 |
| Tetrachloro-m-xylene | | 9125652230 | 9195232120 | 9219491440 | 9207437080 | 6341808000 | 8617924174 | 15 |
| Aroclor-1248-1 | (1) | 189314500 | 193406379 | 198364040 | 203445536 | 151513120 | 187208715 | 10 |
| Aroclor-1248-2 | (2) | 257058197 | 266019899 | 270572928 | 278752472 | 203158020 | 255112303 | 11 |
| Aroclor-1248-3 | (3) | 329824745 | 342687100 | 350417966 | 364320620 | 331255900 | 343701266 | 4 |
| Aroclor-1248-4 | (4) | 503150480 | 523568551 | 540549606 | 563745892 | 409374460 | 508077798 | 11 |
| Aroclor-1248-5 | (5) | 346508966 | 363261911 | 374337920 | 392493440 | 271353380 | 349591123 | 13 |
| Decachlorobiphenyl | | 7900018490 | 8086308400 | 8195171040 | 8262080520 | 6143274400 | 7717370570 | 12 |
| Tetrachloro-m-xylene | | 8946590960 | 9189061507 | 9273186240 | 9357342160 | 6567561400 | 8666748453 | 14 |
| Aroclor-1254-1 | (1) | 525205609 | 551869540 | 568048078 | 599161796 | 500508140 | 548958633 | 7 |
| Aroclor-1254-2 | (2) | 467389736 | 490253857 | 501431616 | 531267632 | 439250900 | 485918748 | 7 |
| Aroclor-1254-3 | (3) | 736681841 | 765368536 | 778116616 | 788008044 | 653257120 | 744286431 | 7 |
| Aroclor-1254-4 | (4) | 537295054 | 560529123 | 571244926 | 572391952 | 507057560 | 549703723 | 5 |
| Aroclor-1254-5 | (5) | 713157717 | 729355651 | 738947588 | 743850736 | 613809420 | 707824222 | 7 |
| Decachlorobiphenyl | | 7810644110 | 7988158653 | 8118440840 | 8069654680 | 6321650600 | 7661709777 | 10 |
| Tetrachloro-m-xylene | | 8477893750 | 8928798520 | 9019842540 | 9077508800 | 7004909800 | 8501790682 | 10 |
| Aroclor-1268-1 | (1) | 1805209287 | 1836925397 | 1850534848 | 1852730580 | 1410311920 | 1751142406 | 10 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1268-2 | (2) | 1523811042 | 1548194379 | 1559255960 | 1566806172 | 1167050180 | 1473023547 | 11 |
| Aroclor-1268-3 | (3) | 1298638460 | 1316156257 | 1333295814 | 1329215988 | 983852920 | 1252231888 | 11 |
| Aroclor-1268-4 | (4) | 502325303 | 515160189 | 514467028 | 515975792 | 361392800 | 481864222 | 13 |
| Aroclor-1268-5 | (5) | 3537850645 | 3568750916 | 3561527908 | 3536594816 | 2581136540 | 3357172165 | 12 |
| Decachlorobiphenyl | | 14538757830 | 14683927053 | 14777305700 | 14801547680 | 10962984400 | 13952904533 | 12 |
| Tetrachloro-m-xylene | | 8916461140 | 9229914440 | 9271431040 | 9355148600 | 6516020600 | 8657795164 | 14 |

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Fax : 908 789 8922

## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Lab Name:** Alliance
**Lab Code:** ACE
**Instrument ID:** ECD_O

**Contract:** GENV01
**SDG NO.:** Q2826
**Calibration Date(s):** 07/23/2025 07/23/2025
**Calibration Times:** 11:32 19:47

**GC Column:** ZB-MR2 **ID:** 0.32 (mm)

**LAB FILE ID:** CF 1000 = PO112414.D CF 750 = PO112415.D
CF 500 = PO112416.D CF 250 = PO112417.D CF 050 = PO112418.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 171399488 | 177928739 | 180256326 | 179838608 | 165612060 | 175007044 | 3 |
| Aroclor-1016-2 | (2) | 254283756 | 266059885 | 273532534 | 272267680 | 236331280 | 260495027 | 6 |
| Aroclor-1016-3 | (3) | 134555314 | 139369485 | 142347070 | 141007248 | 122553240 | 135966471 | 6 |
| Aroclor-1016-4 | (4) | 106915956 | 111683577 | 115661150 | 118698688 | 102464540 | 111084782 | 6 |
| Aroclor-1016-5 | (5) | 139169322 | 144750759 | 147937312 | 152336452 | 132321220 | 143303013 | 5 |
| Aroclor-1260-1 | (1) | 240286237 | 254043527 | 261134446 | 258041412 | 229050000 | 248511124 | 5 |
| Aroclor-1260-2 | (2) | 317223235 | 329626419 | 335041102 | 340620804 | 324956000 | 329493512 | 3 |
| Aroclor-1260-3 | (3) | 256241072 | 262701627 | 269297872 | 275910760 | 220454080 | 256921082 | 8 |
| Aroclor-1260-4 | (4) | 185740526 | 193469844 | 197255514 | 200936168 | 179151380 | 191310686 | 4 |
| Aroclor-1260-5 | (5) | 419199446 | 421594747 | 433075366 | 434815624 | 352283180 | 412193673 | 8 |
| Decachlorobiphenyl | | 1753295660 | 1820833173 | 1877801640 | 1892185680 | 1491444000 | 1767112031 | 9 |
| Tetrachloro-m-xylene | | 5169666700 | 5314856493 | 5330554580 | 5111206560 | 3919594600 | 4969175787 | 12 |
| Aroclor-1242-1 | (1) | 153645977 | 158282413 | 162201976 | 169125204 | 148714620 | 158394038 | 5 |
| Aroclor-1242-2 | (2) | 230553136 | 236233123 | 241816698 | 253231308 | 206497880 | 233666429 | 7 |
| Aroclor-1242-3 | (3) | 120997871 | 124593004 | 126633224 | 130347852 | 103373540 | 121189098 | 8 |
| Aroclor-1242-4 | (4) | 116921071 | 120755713 | 124229780 | 129097232 | 122693120 | 122739383 | 3 |
| Aroclor-1242-5 | (5) | 154482444 | 160907067 | 167116390 | 163960092 | 158390400 | 160971279 | 3 |
| Decachlorobiphenyl | | 1831604040 | 1871840933 | 1924104720 | 1967119920 | 1579850400 | 1834904003 | 8 |
| Tetrachloro-m-xylene | | 5483238770 | 5543459253 | 5573552360 | 5630865680 | 4061456200 | 5258514453 | 13 |
| Aroclor-1248-1 | (1) | 116797575 | 121746903 | 126835386 | 132022196 | 110144520 | 121509316 | 7 |
| Aroclor-1248-2 | (2) | 161755092 | 168905528 | 175846314 | 185366264 | 154525280 | 169279696 | 7 |
| Aroclor-1248-3 | (3) | 170672394 | 178220732 | 184519824 | 194073912 | 160748960 | 177647164 | 7 |
| Aroclor-1248-4 | (4) | 202462025 | 210645355 | 219142380 | 229572292 | 179950700 | 208354550 | 9 |
| Aroclor-1248-5 | (5) | 207118457 | 216119221 | 227433754 | 242834452 | 180319280 | 214765033 | 10 |
| Decachlorobiphenyl | | 1836524820 | 1878481893 | 1941164520 | 1982063240 | 1517022000 | 1831051295 | 10 |
| Tetrachloro-m-xylene | | 5362990180 | 5502770333 | 5558036420 | 5629888520 | 4177350800 | 5246207251 | 12 |
| Aroclor-1254-1 | (1) | 308086628 | 324598995 | 339171148 | 360746064 | 310502200 | 328621007 | 6 |
| Aroclor-1254-2 | (2) | 269579969 | 283423153 | 295499466 | 318260532 | 280690420 | 289490708 | 6 |
| Aroclor-1254-3 | (3) | 411643535 | 427646563 | 444183030 | 462345912 | 391487940 | 427461396 | 6 |
| Aroclor-1254-4 | (4) | 256982627 | 269810957 | 279068642 | 286892132 | 272060980 | 272963068 | 4 |
| Aroclor-1254-5 | (5) | 324913084 | 333876627 | 346327314 | 357344936 | 307636300 | 334019652 | 5 |
| Decachlorobiphenyl | | 1794065640 | 1872151533 | 1910898600 | 1948005080 | 1573949600 | 1819814091 | 8 |
| Tetrachloro-m-xylene | | 5135321880 | 5340323933 | 5419556800 | 5524764520 | 4404208000 | 5164835027 | 9 |
| Aroclor-1268-1 | (1) | 514567345 | 516695037 | 532735372 | 551455976 | 473857920 | 517862330 | 5 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1268-2 | (2) | 421574479 | 425971267 | 436618852 | 454509592 | 386645480 | 425063934 | 6 |
| Aroclor-1268-3 | (3) | 318758782 | 324505707 | 331241876 | 345977680 | 285851460 | 321267101 | 7 |
| Aroclor-1268-4 | (4) | 111516853 | 115705837 | 114796592 | 121616720 | 92841800 | 111295560 | 9 |
| Aroclor-1268-5 | (5) | 742715083 | 756736297 | 758808540 | 780432416 | 619995020 | 731737471 | 8 |
| Decachlorobiphenyl | | 3224484190 | 3300929360 | 3351395200 | 3481054400 | 2726789400 | 3216930510 | 9 |
| Tetrachloro-m-xylene | | 5326223920 | 5511724707 | 5541913900 | 5672741280 | 4190979000 | 5248716561 | 12 |

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## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **SDG NO.:** Q2826

**Instrument ID:** ECD_O **Date(s) Analyzed:** 07/23/2025 07/23/2025

**GC Column:** ZB-MR1 **ID:** 0.32 (mm)

| COMPOUND | AMOUNT (ng) | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR |
|---|---|---|---|---|---|---|
| Aroclor-1221 | 500 | 1 | 3.88 | 3.78 | 3.98 | 96659600 |
| | | 2 | 3.97 | 3.87 | 4.07 | 71862000 |
| | | 3 | 4.04 | 3.94 | 4.14 | 237712000 |
| | | 4 | 0.00 | | | 0 |
| | | 5 | 0.00 | | | 0 |
| Aroclor-1232 | 500 | 1 | 4.04 | 3.94 | 4.14 | 186979000 |
| | | 2 | 4.54 | 4.44 | 4.64 | 107625000 |
| | | 3 | 4.78 | 4.68 | 4.88 | 206800000 |
| | | 4 | 4.95 | 4.85 | 5.05 | 104740000 |
| | | 5 | 4.99 | 4.89 | 5.09 | 67880800 |
| Aroclor-1262 | 500 | 1 | 6.80 | 6.70 | 6.90 | 929208000 |
| | | 2 | 7.30 | 7.20 | 7.40 | 1487020000 |
| | | 3 | 7.59 | 7.49 | 7.69 | 590252000 |
| | | 4 | 7.65 | 7.55 | 7.75 | 994166000 |
| | | 5 | 8.15 | 8.05 | 8.25 | 434062000 |

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Fax : 908 789 8922

## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **SDG NO.:** Q2826

**Instrument ID:** ECD_O **Date(s) Analyzed:** 07/23/2025 07/23/2025

**GC Column:** ZB-MR2 **ID:** 0.32 (mm)

| COMPOUND | AMOUNT (ng) | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR |
|---|---|---|---|---|---|---|
| Aroclor-1221 | 500 | 1 | 3.87 | 3.77 | 3.97 | 67265800 |
| | | 2 | 3.96 | 3.86 | 4.06 | 50728000 |
| | | 3 | 4.03 | 3.93 | 4.13 | 158529000 |
| | | 4 | 0.00 | | | 0 |
| | | 5 | 0.00 | | | 0 |
| Aroclor-1232 | 500 | 1 | 4.03 | 3.93 | 4.13 | 126550000 |
| | | 2 | 4.76 | 4.66 | 4.86 | 131155000 |
| | | 3 | 4.93 | 4.83 | 5.03 | 67196800 |
| | | 4 | 5.02 | 4.92 | 5.12 | 59829000 |
| | | 5 | 5.19 | 5.09 | 5.29 | 65203000 |
| Aroclor-1262 | 500 | 1 | 6.77 | 6.67 | 6.87 | 414828000 |
| | | 2 | 7.27 | 7.17 | 7.37 | 515546000 |
| | | 3 | 7.55 | 7.45 | 7.65 | 186525000 |
| | | 4 | 7.61 | 7.51 | 7.71 | 288104000 |
| | | 5 | 8.10 | 8.00 | 8.20 | 99503400 |

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## RETENTION TIMES OF INITIAL CALIBRATION

**Lab Name:** Alliance
**Lab Code:** ACE
**Instrument ID:** ECD_P
**Contract:** GENV01
**SDG NO.:** Q2826
**Calibration Date(s):** 08/01/2025 08/01/2025
**Calibration Times:** 12:05 20:28

GC Column: ZB-MR1 ID: 0.32 (mm)

**LAB FILE ID:** RT 1000 = PP074168.D RT 750 = PP074169.D
RT 500 = PP074170.D RT 250 = PP074171.D RT 050 = PP074172.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.81 | 5.81 | 5.81 | 5.81 | 5.81 | 5.81 | 5.71 | 5.91 |
| Aroclor-1016-2 | (2) | 5.83 | 5.84 | 5.83 | 5.83 | 5.84 | 5.83 | 5.73 | 5.93 |
| Aroclor-1016-3 | (3) | 5.90 | 5.90 | 5.90 | 5.90 | 5.90 | 5.90 | 5.80 | 6.00 |
| Aroclor-1016-4 | (4) | 5.99 | 6.00 | 5.99 | 5.99 | 5.99 | 5.99 | 5.89 | 6.09 |
| Aroclor-1016-5 | (5) | 6.29 | 6.29 | 6.29 | 6.28 | 6.29 | 6.29 | 6.19 | 6.39 |
| Aroclor-1260-1 | (1) | 7.40 | 7.41 | 7.40 | 7.40 | 7.40 | 7.40 | 7.30 | 7.50 |
| Aroclor-1260-2 | (2) | 7.66 | 7.66 | 7.66 | 7.65 | 7.66 | 7.66 | 7.56 | 7.76 |
| Aroclor-1260-3 | (3) | 8.01 | 8.02 | 8.01 | 8.01 | 8.02 | 8.01 | 7.91 | 8.11 |
| Aroclor-1260-4 | (4) | 8.24 | 8.24 | 8.24 | 8.24 | 8.24 | 8.24 | 8.14 | 8.34 |
| Aroclor-1260-5 | (5) | 8.57 | 8.57 | 8.57 | 8.57 | 8.57 | 8.57 | 8.47 | 8.67 |
| Decachlorobiphenyl | | 10.44 | 10.44 | 10.44 | 10.44 | 10.44 | 10.44 | 10.34 | 10.54 |
| Tetrachloro-m-xylene | | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.56 | 4.76 |
| Aroclor-1242-1 | (1) | 5.81 | 5.81 | 5.81 | 5.81 | 5.81 | 5.81 | 5.71 | 5.91 |
| Aroclor-1242-2 | (2) | 5.83 | 5.84 | 5.83 | 5.83 | 5.83 | 5.83 | 5.73 | 5.93 |
| Aroclor-1242-3 | (3) | 5.90 | 5.90 | 5.89 | 5.90 | 5.90 | 5.90 | 5.80 | 6.00 |
| Aroclor-1242-4 | (4) | 5.99 | 6.00 | 5.99 | 5.99 | 5.99 | 5.99 | 5.89 | 6.09 |
| Aroclor-1242-5 | (5) | 6.72 | 6.72 | 6.72 | 6.72 | 6.72 | 6.72 | 6.62 | 6.82 |
| Decachlorobiphenyl | | 10.44 | 10.44 | 10.43 | 10.44 | 10.43 | 10.44 | 10.34 | 10.54 |
| Tetrachloro-m-xylene | | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.56 | 4.76 |
| Aroclor-1254-1 | (1) | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.56 | 6.76 |
| Aroclor-1254-2 | (2) | 6.88 | 6.87 | 6.87 | 6.87 | 6.87 | 6.87 | 6.77 | 6.97 |
| Aroclor-1254-3 | (3) | 7.24 | 7.24 | 7.24 | 7.24 | 7.23 | 7.24 | 7.14 | 7.34 |
| Aroclor-1254-4 | (4) | 7.52 | 7.52 | 7.52 | 7.52 | 7.52 | 7.52 | 7.42 | 7.62 |
| Aroclor-1254-5 | (5) | 7.93 | 7.93 | 7.93 | 7.93 | 7.93 | 7.93 | 7.83 | 8.03 |
| Decachlorobiphenyl | | 10.43 | 10.43 | 10.43 | 10.43 | 10.43 | 10.43 | 10.33 | 10.53 |
| Tetrachloro-m-xylene | | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.56 | 4.76 |

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## RETENTION TIMES OF INITIAL CALIBRATION

**Lab Name:** Alliance
**Lab Code:** ACE
**Instrument ID:** ECD_P
**Contract:** GENV01
**SDG NO.:** Q2826
**Calibration Date(s):** 08/01/2025 08/01/2025
**Calibration Times:** 12:05 20:28

GC Column: ZB-MR2 ID: 0.32 (mm)

**LAB FILE ID:** RT 1000 = PP074168.D RT 750 = PP074169.D
RT 500 = PP074170.D RT 250 = PP074171.D RT 050 = PP074172.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.91 | 4.90 | 4.91 | 4.91 | 4.91 | 4.91 | 4.81 | 5.01 |
| Aroclor-1016-2 | (2) | 4.96 | 4.96 | 4.96 | 4.97 | 4.97 | 4.96 | 4.86 | 5.06 |
| Aroclor-1016-3 | (3) | 5.08 | 5.08 | 5.08 | 5.09 | 5.08 | 5.08 | 4.98 | 5.18 |
| Aroclor-1016-4 | (4) | 5.12 | 5.12 | 5.12 | 5.13 | 5.12 | 5.12 | 5.02 | 5.22 |
| Aroclor-1016-5 | (5) | 5.34 | 5.34 | 5.34 | 5.34 | 5.34 | 5.34 | 5.24 | 5.44 |
| Aroclor-1260-1 | (1) | 6.56 | 6.55 | 6.56 | 6.56 | 6.56 | 6.56 | 6.46 | 6.66 |
| Aroclor-1260-2 | (2) | 6.71 | 6.71 | 6.71 | 6.71 | 6.71 | 6.71 | 6.61 | 6.81 |
| Aroclor-1260-3 | (3) | 6.92 | 6.92 | 6.92 | 6.92 | 6.92 | 6.92 | 6.82 | 7.02 |
| Aroclor-1260-4 | (4) | 7.18 | 7.18 | 7.18 | 7.18 | 7.18 | 7.18 | 7.08 | 7.28 |
| Aroclor-1260-5 | (5) | 7.42 | 7.42 | 7.42 | 7.42 | 7.42 | 7.42 | 7.32 | 7.52 |
| Decachlorobiphenyl | | 8.83 | 8.83 | 8.83 | 8.83 | 8.83 | 8.83 | 8.73 | 8.93 |
| Tetrachloro-m-xylene | | 3.81 | 3.80 | 3.81 | 3.81 | 3.80 | 3.81 | 3.71 | 3.91 |
| Aroclor-1242-1 | (1) | 4.91 | 4.90 | 4.91 | 4.91 | 4.90 | 4.91 | 4.81 | 5.01 |
| Aroclor-1242-2 | (2) | 4.96 | 4.96 | 4.96 | 4.96 | 4.96 | 4.96 | 4.86 | 5.06 |
| Aroclor-1242-3 | (3) | 5.08 | 5.08 | 5.08 | 5.08 | 5.08 | 5.08 | 4.98 | 5.18 |
| Aroclor-1242-4 | (4) | 5.16 | 5.16 | 5.16 | 5.17 | 5.16 | 5.16 | 5.06 | 5.26 |
| Aroclor-1242-5 | (5) | 5.69 | 5.69 | 5.69 | 5.69 | 5.69 | 5.69 | 5.59 | 5.79 |
| Decachlorobiphenyl | | 8.83 | 8.82 | 8.83 | 8.82 | 8.82 | 8.82 | 8.72 | 8.92 |
| Tetrachloro-m-xylene | | 3.80 | 3.80 | 3.81 | 3.81 | 3.80 | 3.80 | 3.70 | 3.90 |
| Aroclor-1254-1 | (1) | 5.69 | 5.69 | 5.69 | 5.69 | 5.69 | 5.69 | 5.59 | 5.79 |
| Aroclor-1254-2 | (2) | 5.84 | 5.84 | 5.83 | 5.83 | 5.84 | 5.84 | 5.74 | 5.94 |
| Aroclor-1254-3 | (3) | 6.24 | 6.24 | 6.24 | 6.24 | 6.24 | 6.24 | 6.14 | 6.34 |
| Aroclor-1254-4 | (4) | 6.46 | 6.46 | 6.46 | 6.46 | 6.46 | 6.46 | 6.36 | 6.56 |
| Aroclor-1254-5 | (5) | 6.88 | 6.88 | 6.88 | 6.88 | 6.88 | 6.88 | 6.78 | 6.98 |
| Decachlorobiphenyl | | 8.82 | 8.82 | 8.82 | 8.82 | 8.82 | 8.82 | 8.72 | 8.92 |
| Tetrachloro-m-xylene | | 3.81 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.70 | 3.90 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Lab Name:** Alliance
**Lab Code:** ACE
**Instrument ID:** ECD_P

**Contract:** GENV01
**SDG NO.:** Q2826
**Calibration Date(s):** 08/01/2025 08/01/2025
**Calibration Times:** 12:05 20:28

**GC Column:** ZB-MR1 **ID:** 0.32 (mm)

**LAB FILE ID:** CF 1000 = PP074168.D CF 750 = PP074169.D
CF 500 = PP074170.D CF 250 = PP074171.D CF 050 = PP074172.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 35273925 | 37423669 | 39112938 | 43859036 | 50614460 | 41256806 | 14 |
| Aroclor-1016-2 | (2) | 51795728 | 55199127 | 58347288 | 64689960 | 73676540 | 60741729 | 13 |
| Aroclor-1016-3 | (3) | 33422245 | 35685564 | 37869938 | 42702196 | 48622620 | 39660513 | 14 |
| Aroclor-1016-4 | (4) | 27792815 | 29586895 | 31487664 | 35862436 | 37992560 | 32544474 | 12 |
| Aroclor-1016-5 | (5) | 27690329 | 29450228 | 31441930 | 35606544 | 38151200 | 32468046 | 13 |
| Aroclor-1260-1 | (1) | 47709498 | 50888675 | 54142460 | 59119820 | 69919860 | 56356063 | 15 |
| Aroclor-1260-2 | (2) | 56508230 | 60166887 | 63913596 | 71401348 | 88771760 | 68152364 | 18 |
| Aroclor-1260-3 | (3) | 45067030 | 48123128 | 50650728 | 57005548 | 65633220 | 53295931 | 14 |
| Aroclor-1260-4 | (4) | 54035441 | 57066597 | 60264502 | 66664376 | 75043960 | 62614975 | 13 |
| Aroclor-1260-5 | (5) | 97992993 | 102942959 | 107738868 | 117332464 | 140517260 | 113304909 | 14 |
| Decachlorobiphenyl | | 852434670 | 894679120 | 940440840 | 1016872040 | 1151380600 | 971161454 | 12 |
| Tetrachloro-m-xylene | | 994587660 | 1038636867 | 1076051520 | 1154524400 | 1327726000 | 1118305289 | 12 |
| Aroclor-1242-1 | (1) | 31512428 | 33419607 | 35918512 | 39696020 | 45782500 | 37265813 | 14 |
| Aroclor-1242-2 | (2) | 47421171 | 49356251 | 53063334 | 57890692 | 64313200 | 54408930 | 12 |
| Aroclor-1242-3 | (3) | 30290298 | 32076312 | 34724744 | 38188808 | 43399140 | 35735860 | 14 |
| Aroclor-1242-4 | (4) | 25177060 | 26633319 | 28691812 | 30950152 | 34640880 | 29218645 | 12 |
| Aroclor-1242-5 | (5) | 29128304 | 32087727 | 34406488 | 38696772 | 43470800 | 35558018 | 15 |
| Decachlorobiphenyl | | 880786000 | 919506067 | 984418560 | 1056643120 | 1205252000 | 1009321149 | 13 |
| Tetrachloro-m-xylene | | 1043240650 | 1075688493 | 1133074840 | 1202593000 | 1370780600 | 1165075517 | 11 |
| Aroclor-1254-1 | (1) | 49559228 | 49811068 | 53907260 | 53993024 | 55934640 | 52641044 | 5 |
| Aroclor-1254-2 | (2) | 70079706 | 72686637 | 78166692 | 86577056 | 90012700 | 79504558 | 10 |
| Aroclor-1254-3 | (3) | 76495408 | 79340601 | 84479860 | 93420496 | 102844700 | 87316213 | 12 |
| Aroclor-1254-4 | (4) | 57834344 | 59926583 | 63428804 | 69599176 | 68258480 | 63809477 | 8 |
| Aroclor-1254-5 | (5) | 73335985 | 76078215 | 80654566 | 88040632 | 87614400 | 81144760 | 8 |
| Decachlorobiphenyl | | 901613940 | 929059080 | 979122040 | 1057269880 | 1005303000 | 974473588 | 6 |
| Tetrachloro-m-xylene | | 1055318110 | 1070331613 | 1114290760 | 1189360720 | 1187072000 | 1123274641 | 6 |

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Fax : 908 789 8922

## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Lab Name:** Alliance
**Lab Code:** ACE
**Instrument ID:** ECD_P

**Contract:** GENV01
**SDG NO.:** Q2826
**Calibration Date(s):** 08/01/2025 08/01/2025
**Calibration Times:** 12:05 20:28

**GC Column:** ZB-MR2 **ID:** 0.32 (mm)

**LAB FILE ID:** CF 1000 = PP074168.D CF 750 = PP074169.D
CF 500 = PP074170.D CF 250 = PP074171.D CF 050 = PP074172.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 401748995 | 398824608 | 399912360 | 403735356 | 390215520 | 398887368 | 1 |
| Aroclor-1016-2 | (2) | 186854426 | 192495525 | 187577416 | 198284052 | 173833620 | 187809008 | 5 |
| Aroclor-1016-3 | (3) | 104048217 | 106580327 | 106062448 | 114925596 | 98731580 | 106069634 | 5 |
| Aroclor-1016-4 | (4) | 102945349 | 106576167 | 111089380 | 109624088 | 115865320 | 109220061 | 4 |
| Aroclor-1016-5 | (5) | 116097268 | 118066511 | 118643196 | 118883084 | 113126240 | 116963260 | 2 |
| Aroclor-1260-1 | (1) | 398303416 | 397444124 | 405725820 | 438106428 | 380206020 | 403957162 | 5 |
| Aroclor-1260-2 | (2) | 301304557 | 308158192 | 308266150 | 305734868 | 340030740 | 312698901 | 5 |
| Aroclor-1260-3 | (3) | 408378449 | 417603121 | 404068616 | 383320072 | 357221180 | 394118288 | 6 |
| Aroclor-1260-4 | (4) | 295359710 | 299954812 | 306136602 | 280781712 | 272663920 | 290979351 | 4 |
| Aroclor-1260-5 | (5) | 811772813 | 805780147 | 794112086 | 732491376 | 642892660 | 757409816 | 9 |
| Decachlorobiphenyl | | 6091085760 | 6145498480 | 6064775080 | 5991469080 | 5775302800 | 6013626240 | 2 |
| Tetrachloro-m-xylene | | 4204747790 | 4209506627 | 3997167900 | 3658659200 | 3102045200 | 3834425343 | 12 |
| Aroclor-1242-1 | (1) | 341272725 | 348537165 | 356175586 | 358260688 | 321457320 | 345140697 | 4 |
| Aroclor-1242-2 | (2) | 162660327 | 171629959 | 165033416 | 168697644 | 148866940 | 163377657 | 5 |
| Aroclor-1242-3 | (3) | 93075141 | 96957855 | 92088854 | 97223352 | 81897380 | 92248516 | 6 |
| Aroclor-1242-4 | (4) | 117292839 | 116784915 | 126377070 | 120581608 | 116071680 | 119421622 | 3 |
| Aroclor-1242-5 | (5) | 140731652 | 152438257 | 148354640 | 155481924 | 150793560 | 149560007 | 4 |
| Decachlorobiphenyl | | 6182103300 | 6198353267 | 6343202860 | 6254049920 | 5638925600 | 6123326989 | 5 |
| Tetrachloro-m-xylene | | 4380731720 | 4319851627 | 4244718880 | 3977934440 | 3138312200 | 4012309773 | 13 |
| Aroclor-1254-1 | (1) | 384557283 | 361450625 | 385081202 | 377494716 | 322325960 | 366181957 | 7 |
| Aroclor-1254-2 | (2) | 284389782 | 276601852 | 284135592 | 290728916 | 255228600 | 278216948 | 5 |
| Aroclor-1254-3 | (3) | 520239168 | 520693099 | 508814756 | 526662268 | 369647720 | 489211402 | 13 |
| Aroclor-1254-4 | (4) | 378053305 | 389619320 | 377098978 | 394351108 | 298703960 | 367565334 | 10 |
| Aroclor-1254-5 | (5) | 425051302 | 410967521 | 398226716 | 393575444 | 298014540 | 385167105 | 12 |
| Decachlorobiphenyl | | 6206832720 | 6179384467 | 6118770460 | 6279475360 | 4842174000 | 5925327401 | 10 |
| Tetrachloro-m-xylene | | 4358828150 | 4220486587 | 4040036280 | 3680489520 | 2529500800 | 3765868267 | 20 |

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## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **SDG NO.:** Q2826

**Instrument ID:** ECD_P **Date(s) Analyzed:** 08/01/2025 08/01/2025

**GC Column:** ZB-MR1 **ID:** 0.32 (mm)

| COMPOUND | AMOUNT (ng) | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR |
|---|---|---|---|---|---|---|
| Aroclor-1221 | 500 | 1 | 4.86 | 4.76 | 4.96 | 16763600 |
| | | 2 | 4.94 | 4.84 | 5.04 | 12601100 |
| | | 3 | 5.02 | 4.92 | 5.12 | 36635200 |
| | | 4 | 0.00 | | | 0 |
| | | 5 | 0.00 | | | 0 |
| Aroclor-1232 | 500 | 1 | 5.02 | 4.92 | 5.12 | 29037400 |
| | | 2 | 5.55 | 5.45 | 5.65 | 15042700 |
| | | 3 | 5.83 | 5.73 | 5.93 | 29001800 |
| | | 4 | 5.99 | 5.89 | 6.09 | 15468800 |
| | | 5 | 6.08 | 5.98 | 6.18 | 11716000 |
| Aroclor-1248 | 500 | 1 | 5.81 | 5.71 | 5.91 | 28382600 |
| | | 2 | 6.08 | 5.98 | 6.18 | 40187600 |
| | | 3 | 6.28 | 6.18 | 6.38 | 44640800 |
| | | 4 | 6.68 | 6.58 | 6.78 | 51582200 |
| | | 5 | 6.72 | 6.62 | 6.82 | 53240200 |
| Aroclor-1262 | 500 | 1 | 8.24 | 8.14 | 8.34 | 75789600 |
| | | 2 | 8.56 | 8.46 | 8.66 | 130430000 |
| | | 3 | 8.89 | 8.79 | 8.99 | 94070800 |
| | | 4 | 8.97 | 8.87 | 9.07 | 72851600 |
| | | 5 | 9.65 | 9.55 | 9.75 | 50922600 |
| Aroclor-1268 | 500 | 1 | 8.88 | 8.78 | 8.98 | 158028000 |
| | | 2 | 8.98 | 8.88 | 9.08 | 146028000 |
| | | 3 | 9.22 | 9.12 | 9.32 | 121402000 |
| | | 4 | 9.64 | 9.54 | 9.74 | 59648200 |
| | | 5 | 10.08 | 9.98 | 10.18 | 357940000 |

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## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **SDG NO.:** Q2826

**Instrument ID:** ECD_P **Date(s) Analyzed:** 08/01/2025 08/01/2025

**GC Column:** ZB-MR2 **ID:** 0.32 (mm)

| COMPOUND | AMOUNT (ng) | PEAK | RT | RT WINDOW FROM | RT WINDOW TO | CALIBRATION FACTOR |
|---|---|---|---|---|---|---|
| Aroclor-1221 | 500 | 1 | 4.02 | 3.92 | 4.12 | 49085200 |
| | | 2 | 4.10 | 4.00 | 4.20 | 35889400 |
| | | 3 | 4.18 | 4.08 | 4.28 | 135225000 |
| | | 4 | 0.00 | | | 0 |
| | | 5 | 0.00 | | | 0 |
| Aroclor-1232 | 500 | 1 | 4.18 | 4.08 | 4.28 | 101362000 |
| | | 2 | 4.90 | 4.80 | 5.00 | 174266000 |
| | | 3 | 5.08 | 4.98 | 5.18 | 45816600 |
| | | 4 | 5.16 | 5.06 | 5.26 | 58010800 |
| | | 5 | 5.34 | 5.24 | 5.44 | 46979400 |
| Aroclor-1248 | 500 | 1 | 4.90 | 4.80 | 5.00 | 223628000 |
| | | 2 | 5.12 | 5.02 | 5.22 | 147770000 |
| | | 3 | 5.16 | 5.06 | 5.26 | 179546000 |
| | | 4 | 5.34 | 5.24 | 5.44 | 167057000 |
| | | 5 | 5.73 | 5.63 | 5.83 | 302782000 |
| Aroclor-1262 | 500 | 1 | 6.92 | 6.82 | 7.02 | 563142000 |
| | | 2 | 7.18 | 7.08 | 7.28 | 401024000 |
| | | 3 | 7.70 | 7.60 | 7.80 | 359470000 |
| | | 4 | 7.76 | 7.66 | 7.86 | 666922000 |
| | | 5 | 8.26 | 8.16 | 8.36 | 283268000 |
| Aroclor-1268 | 500 | 1 | 7.70 | 7.60 | 7.80 | 1169220000 |
| | | 2 | 7.76 | 7.66 | 7.86 | 1148130000 |
| | | 3 | 7.97 | 7.87 | 8.07 | 891866000 |
| | | 4 | 8.26 | 8.16 | 8.36 | 329470000 |
| | | 5 | 8.56 | 8.46 | 8.66 | 2772300000 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **SDG NO.:** Q2826

**Continuing Calib Date:** 08/12/2025 **Initial Calibration Date(s):** 07/23/2025 07/23/2025

**Continuing Calib Time:** 15:50 **Initial Calibration Time(s):** 11:32 19:47

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)**

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.75 | 4.76 | 4.66 | 4.86 | 0.01 |
| Aroclor-1016-2 | (2) | 4.77 | 4.77 | 4.67 | 4.87 | 0.00 |
| Aroclor-1016-3 | (3) | 4.83 | 4.83 | 4.73 | 4.93 | 0.00 |
| Aroclor-1016-4 | (4) | 4.95 | 4.95 | 4.85 | 5.05 | 0.00 |
| Aroclor-1016-5 | (5) | 5.20 | 5.21 | 5.11 | 5.31 | 0.01 |
| Aroclor-1260-1 | (1) | 6.24 | 6.25 | 6.15 | 6.35 | 0.01 |
| Aroclor-1260-2 | (2) | 6.43 | 6.43 | 6.33 | 6.53 | 0.00 |
| Aroclor-1260-3 | (3) | 6.80 | 6.80 | 6.70 | 6.90 | 0.00 |
| Aroclor-1260-4 | (4) | 7.06 | 7.06 | 6.96 | 7.16 | 0.01 |
| Aroclor-1260-5 | (5) | 7.30 | 7.30 | 7.20 | 7.40 | 0.00 |
| Tetrachloro-m-xylene | | 3.67 | 3.67 | 3.57 | 3.77 | 0.00 |
| Decachlorobiphenyl | | 8.69 | 8.69 | 8.59 | 8.79 | 0.00 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **SDG NO.:** Q2826

**Continuing Calib Date:** 08/12/2025 **Initial Calibration Date(s):** 07/23/2025 07/23/2025

**Continuing Calib Time:** 15:50 **Initial Calibration Time(s):** 11:32 19:47

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)**

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.73 | 4.74 | 4.64 | 4.84 | 0.01 |
| Aroclor-1016-2 | (2) | 4.75 | 4.76 | 4.66 | 4.86 | 0.01 |
| Aroclor-1016-3 | (3) | 4.93 | 4.93 | 4.83 | 5.03 | 0.00 |
| Aroclor-1016-4 | (4) | 4.97 | 4.97 | 4.87 | 5.07 | 0.00 |
| Aroclor-1016-5 | (5) | 5.18 | 5.19 | 5.09 | 5.29 | 0.01 |
| Aroclor-1260-1 | (1) | 6.21 | 6.21 | 6.11 | 6.31 | 0.00 |
| Aroclor-1260-2 | (2) | 6.40 | 6.40 | 6.30 | 6.50 | 0.00 |
| Aroclor-1260-3 | (3) | 6.55 | 6.55 | 6.45 | 6.65 | 0.00 |
| Aroclor-1260-4 | (4) | 7.02 | 7.02 | 6.92 | 7.12 | 0.00 |
| Aroclor-1260-5 | (5) | 7.26 | 7.26 | 7.16 | 7.36 | 0.00 |
| Tetrachloro-m-xylene | | 3.66 | 3.66 | 3.56 | 3.76 | 0.00 |
| Decachlorobiphenyl | | 8.63 | 8.64 | 8.54 | 8.74 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **SDG NO.:** Q2826

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/23/2025 07/23/2025

**Client Sample No.:** CCAL01 **Date Analyzed:** 08/12/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PO112865.D **Time Analyzed:** 15:50

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.751 | 4.655 | 4.855 | 524.640 | 500.000 | 4.9 |
| Aroclor-1016-2 | 4.769 | 4.674 | 4.874 | 553.430 | 500.000 | 10.7 |
| Aroclor-1016-3 | 4.827 | 4.731 | 4.931 | 551.220 | 500.000 | 10.2 |
| Aroclor-1016-4 | 4.947 | 4.851 | 5.051 | 550.720 | 500.000 | 10.1 |
| Aroclor-1016-5 | 5.203 | 5.108 | 5.308 | 584.150 | 500.000 | 16.8 |
| Aroclor-1260-1 | 6.240 | 6.145 | 6.345 | 550.350 | 500.000 | 10.1 |
| Aroclor-1260-2 | 6.430 | 6.333 | 6.533 | 543.410 | 500.000 | 8.7 |
| Aroclor-1260-3 | 6.795 | 6.700 | 6.900 | 570.950 | 500.000 | 14.2 |
| Aroclor-1260-4 | 7.055 | 6.959 | 7.159 | 542.260 | 500.000 | 8.5 |
| Aroclor-1260-5 | 7.297 | 7.203 | 7.403 | 529.970 | 500.000 | 6.0 |
| Decachlorobiphenyl | 8.687 | 8.593 | 8.793 | 48.970 | 50.000 | -2.1 |
| Tetrachloro-m-xylene | 3.667 | 3.569 | 3.769 | 57.760 | 50.000 | 15.5 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **SDG NO.:** Q2826

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/23/2025 07/23/2025

**Client Sample No.:** CCAL01 **Date Analyzed:** 08/12/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PO112865.D **Time Analyzed:** 15:50

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.734 | 4.638 | 4.838 | 522.080 | 500.000 | 4.4 |
| Aroclor-1016-2 | 4.751 | 4.656 | 4.856 | 517.090 | 500.000 | 3.4 |
| Aroclor-1016-3 | 4.926 | 4.831 | 5.031 | 516.260 | 500.000 | 3.3 |
| Aroclor-1016-4 | 4.969 | 4.873 | 5.073 | 515.840 | 500.000 | 3.2 |
| Aroclor-1016-5 | 5.181 | 5.085 | 5.285 | 527.110 | 500.000 | 5.4 |
| Aroclor-1260-1 | 6.208 | 6.113 | 6.313 | 523.960 | 500.000 | 4.8 |
| Aroclor-1260-2 | 6.396 | 6.302 | 6.502 | 531.850 | 500.000 | 6.4 |
| Aroclor-1260-3 | 6.547 | 6.453 | 6.653 | 550.200 | 500.000 | 10.0 |
| Aroclor-1260-4 | 7.017 | 6.923 | 7.123 | 543.780 | 500.000 | 8.8 |
| Aroclor-1260-5 | 7.260 | 7.164 | 7.364 | 560.820 | 500.000 | 12.2 |
| Decachlorobiphenyl | 8.633 | 8.540 | 8.740 | 53.180 | 50.000 | 6.4 |
| Tetrachloro-m-xylene | 3.659 | 3.562 | 3.762 | 55.270 | 50.000 | 10.5 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **SDG NO.:** Q2826

**Continuing Calib Date:** 08/12/2025 **Initial Calibration Date(s):** 07/23/2025 07/23/2025

**Continuing Calib Time:** 21:09 **Initial Calibration Time(s):** 11:32 19:47

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)**

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.75 | 4.76 | 4.66 | 4.86 | 0.01 |
| Aroclor-1016-2 | (2) | 4.77 | 4.77 | 4.67 | 4.87 | 0.00 |
| Aroclor-1016-3 | (3) | 4.83 | 4.83 | 4.73 | 4.93 | 0.01 |
| Aroclor-1016-4 | (4) | 4.95 | 4.95 | 4.85 | 5.05 | 0.00 |
| Aroclor-1016-5 | (5) | 5.20 | 5.21 | 5.11 | 5.31 | 0.01 |
| Aroclor-1260-1 | (1) | 6.24 | 6.25 | 6.15 | 6.35 | 0.01 |
| Aroclor-1260-2 | (2) | 6.43 | 6.43 | 6.33 | 6.53 | 0.00 |
| Aroclor-1260-3 | (3) | 6.79 | 6.80 | 6.70 | 6.90 | 0.01 |
| Aroclor-1260-4 | (4) | 7.05 | 7.06 | 6.96 | 7.16 | 0.01 |
| Aroclor-1260-5 | (5) | 7.30 | 7.30 | 7.20 | 7.40 | 0.00 |
| Tetrachloro-m-xylene | | 3.67 | 3.67 | 3.57 | 3.77 | 0.01 |
| Decachlorobiphenyl | | 8.69 | 8.69 | 8.59 | 8.79 | 0.00 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **SDG NO.:** Q2826

**Continuing Calib Date:** 08/12/2025 **Initial Calibration Date(s):** 07/23/2025 07/23/2025

**Continuing Calib Time:** 21:09 **Initial Calibration Time(s):** 11:32 19:47

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)**

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.73 | 4.74 | 4.64 | 4.84 | 0.01 |
| Aroclor-1016-2 | (2) | 4.75 | 4.76 | 4.66 | 4.86 | 0.01 |
| Aroclor-1016-3 | (3) | 4.93 | 4.93 | 4.83 | 5.03 | 0.00 |
| Aroclor-1016-4 | (4) | 4.97 | 4.97 | 4.87 | 5.07 | 0.00 |
| Aroclor-1016-5 | (5) | 5.18 | 5.19 | 5.09 | 5.29 | 0.01 |
| Aroclor-1260-1 | (1) | 6.21 | 6.21 | 6.11 | 6.31 | 0.00 |
| Aroclor-1260-2 | (2) | 6.40 | 6.40 | 6.30 | 6.50 | 0.00 |
| Aroclor-1260-3 | (3) | 6.55 | 6.55 | 6.45 | 6.65 | 0.00 |
| Aroclor-1260-4 | (4) | 7.02 | 7.02 | 6.92 | 7.12 | 0.00 |
| Aroclor-1260-5 | (5) | 7.26 | 7.26 | 7.16 | 7.36 | 0.00 |
| Tetrachloro-m-xylene | | 3.66 | 3.66 | 3.56 | 3.76 | 0.00 |
| Decachlorobiphenyl | | 8.63 | 8.64 | 8.54 | 8.74 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **SDG NO.:** Q2826

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/23/2025 07/23/2025

**Client Sample No.:** CCAL02 **Date Analyzed:** 08/12/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PO112880.D **Time Analyzed:** 21:09

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.749 | 4.655 | 4.855 | 602.530 | 500.000 | 20.5 |
| Aroclor-1016-2 | 4.767 | 4.674 | 4.874 | 529.340 | 500.000 | 5.9 |
| Aroclor-1016-3 | 4.825 | 4.731 | 4.931 | 530.990 | 500.000 | 6.2 |
| Aroclor-1016-4 | 4.945 | 4.851 | 5.051 | 538.670 | 500.000 | 7.7 |
| Aroclor-1016-5 | 5.201 | 5.108 | 5.308 | 570.370 | 500.000 | 14.1 |
| Aroclor-1260-1 | 6.238 | 6.145 | 6.345 | 516.390 | 500.000 | 3.3 |
| Aroclor-1260-2 | 6.427 | 6.333 | 6.533 | 497.430 | 500.000 | -0.5 |
| Aroclor-1260-3 | 6.793 | 6.700 | 6.900 | 519.410 | 500.000 | 3.9 |
| Aroclor-1260-4 | 7.053 | 6.959 | 7.159 | 517.940 | 500.000 | 3.6 |
| Aroclor-1260-5 | 7.296 | 7.203 | 7.403 | 487.190 | 500.000 | -2.6 |
| Decachlorobiphenyl | 8.685 | 8.593 | 8.793 | 44.850 | 50.000 | -10.3 |
| Tetrachloro-m-xylene | 3.665 | 3.569 | 3.769 | 56.230 | 50.000 | 12.5 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **SDG NO.:** Q2826

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/23/2025 07/23/2025

**Client Sample No.:** CCAL02 **Date Analyzed:** 08/12/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PO112880.D **Time Analyzed:** 21:09

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.733 | 4.638 | 4.838 | 517.630 | 500.000 | 3.5 |
| Aroclor-1016-2 | 4.751 | 4.656 | 4.856 | 517.600 | 500.000 | 3.5 |
| Aroclor-1016-3 | 4.926 | 4.831 | 5.031 | 509.980 | 500.000 | 2.0 |
| Aroclor-1016-4 | 4.969 | 4.873 | 5.073 | 508.980 | 500.000 | 1.8 |
| Aroclor-1016-5 | 5.180 | 5.085 | 5.285 | 524.870 | 500.000 | 5.0 |
| Aroclor-1260-1 | 6.208 | 6.113 | 6.313 | 512.410 | 500.000 | 2.5 |
| Aroclor-1260-2 | 6.396 | 6.302 | 6.502 | 516.240 | 500.000 | 3.2 |
| Aroclor-1260-3 | 6.547 | 6.453 | 6.653 | 523.480 | 500.000 | 4.7 |
| Aroclor-1260-4 | 7.017 | 6.923 | 7.123 | 518.150 | 500.000 | 3.6 |
| Aroclor-1260-5 | 7.259 | 7.164 | 7.364 | 539.020 | 500.000 | 7.8 |
| Decachlorobiphenyl | 8.633 | 8.540 | 8.740 | 51.820 | 50.000 | 3.6 |
| Tetrachloro-m-xylene | 3.659 | 3.562 | 3.762 | 54.700 | 50.000 | 9.4 |

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# CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **SDG NO.:** Q2826

**Continuing Calib Date:** 08/12/2025 **Initial Calibration Date(s):** 08/01/2025 08/01/2025

**Continuing Calib Time:** 09:51 **Initial Calibration Time(s):** 12:05 20:28

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)**

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.81 | 5.81 | 5.71 | 5.91 | 0.00 |
| Aroclor-1016-2 | (2) | 5.83 | 5.83 | 5.73 | 5.93 | 0.00 |
| Aroclor-1016-3 | (3) | 5.89 | 5.90 | 5.80 | 6.00 | 0.01 |
| Aroclor-1016-4 | (4) | 5.99 | 5.99 | 5.89 | 6.09 | 0.00 |
| Aroclor-1016-5 | (5) | 6.28 | 6.29 | 6.19 | 6.39 | 0.01 |
| Aroclor-1260-1 | (1) | 7.40 | 7.40 | 7.30 | 7.50 | 0.00 |
| Aroclor-1260-2 | (2) | 7.65 | 7.66 | 7.56 | 7.76 | 0.01 |
| Aroclor-1260-3 | (3) | 8.01 | 8.01 | 7.91 | 8.11 | 0.00 |
| Aroclor-1260-4 | (4) | 8.24 | 8.24 | 8.14 | 8.34 | 0.00 |
| Aroclor-1260-5 | (5) | 8.56 | 8.57 | 8.47 | 8.67 | 0.01 |
| Tetrachloro-m-xylene | | 4.66 | 4.66 | 4.56 | 4.76 | 0.00 |
| Decachlorobiphenyl | | 10.43 | 10.44 | 10.34 | 10.54 | 0.01 |

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Fax : 908 789 8922

## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **SDG NO.:** Q2826

**Continuing Calib Date:** 08/12/2025 **Initial Calibration Date(s):** 08/01/2025 08/01/2025

**Continuing Calib Time:** 09:51 **Initial Calibration Time(s):** 12:05 20:28

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)**

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.90 | 4.91 | 4.81 | 5.01 | 0.01 |
| Aroclor-1016-2 | (2) | 4.96 | 4.96 | 4.86 | 5.06 | 0.00 |
| Aroclor-1016-3 | (3) | 5.08 | 5.08 | 4.98 | 5.18 | 0.00 |
| Aroclor-1016-4 | (4) | 5.12 | 5.12 | 5.02 | 5.22 | 0.00 |
| Aroclor-1016-5 | (5) | 5.34 | 5.34 | 5.24 | 5.44 | 0.00 |
| Aroclor-1260-1 | (1) | 6.55 | 6.56 | 6.46 | 6.66 | 0.01 |
| Aroclor-1260-2 | (2) | 6.71 | 6.71 | 6.61 | 6.81 | 0.01 |
| Aroclor-1260-3 | (3) | 6.92 | 6.92 | 6.82 | 7.02 | 0.01 |
| Aroclor-1260-4 | (4) | 7.17 | 7.18 | 7.08 | 7.28 | 0.01 |
| Aroclor-1260-5 | (5) | 7.41 | 7.42 | 7.32 | 7.52 | 0.01 |
| Tetrachloro-m-xylene | | 3.80 | 3.81 | 3.71 | 3.91 | 0.01 |
| Decachlorobiphenyl | | 8.82 | 8.83 | 8.73 | 8.93 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **SDG NO.:** Q2826

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/01/2025 08/01/2025

**Client Sample No.:** CCAL03 **Date Analyzed:** 08/12/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP074302.D **Time Analyzed:** 09:51

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.809 | 5.712 | 5.912 | 541.110 | 500.000 | 8.2 |
| Aroclor-1016-2 | 5.830 | 5.733 | 5.933 | 542.210 | 500.000 | 8.4 |
| Aroclor-1016-3 | 5.894 | 5.796 | 5.996 | 546.140 | 500.000 | 9.2 |
| Aroclor-1016-4 | 5.990 | 5.893 | 6.093 | 549.740 | 500.000 | 9.9 |
| Aroclor-1016-5 | 6.283 | 6.186 | 6.386 | 547.590 | 500.000 | 9.5 |
| Aroclor-1260-1 | 7.400 | 7.303 | 7.503 | 520.400 | 500.000 | 4.1 |
| Aroclor-1260-2 | 7.653 | 7.555 | 7.755 | 502.220 | 500.000 | 0.4 |
| Aroclor-1260-3 | 8.010 | 7.913 | 8.113 | 510.120 | 500.000 | 2.0 |
| Aroclor-1260-4 | 8.239 | 8.142 | 8.342 | 508.850 | 500.000 | 1.8 |
| Aroclor-1260-5 | 8.564 | 8.468 | 8.668 | 488.630 | 500.000 | -2.3 |
| Decachlorobiphenyl | 10.432 | 10.338 | 10.538 | 50.860 | 50.000 | 1.7 |
| Tetrachloro-m-xylene | 4.657 | 4.560 | 4.760 | 56.700 | 50.000 | 13.4 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **SDG NO.:** Q2826

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/01/2025 08/01/2025

**Client Sample No.:** CCAL03 **Date Analyzed:** 08/12/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP074302.D **Time Analyzed:** 09:51

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.901 | 4.806 | 5.006 | 583.180 | 500.000 | 16.6 |
| Aroclor-1016-2 | 4.958 | 4.863 | 5.063 | 601.820 | 500.000 | 20.4 |
| Aroclor-1016-3 | 5.080 | 4.983 | 5.183 | 578.000 | 500.000 | 15.6 |
| Aroclor-1016-4 | 5.120 | 5.023 | 5.223 | 590.230 | 500.000 | 18.0 |
| Aroclor-1016-5 | 5.335 | 5.239 | 5.439 | 592.640 | 500.000 | 18.5 |
| Aroclor-1260-1 | 6.551 | 6.455 | 6.655 | 550.000 | 500.000 | 10.0 |
| Aroclor-1260-2 | 6.705 | 6.609 | 6.809 | 554.960 | 500.000 | 11.0 |
| Aroclor-1260-3 | 6.915 | 6.819 | 7.019 | 569.790 | 500.000 | 14.0 |
| Aroclor-1260-4 | 7.174 | 7.079 | 7.279 | 581.890 | 500.000 | 16.4 |
| Aroclor-1260-5 | 7.413 | 7.318 | 7.518 | 587.660 | 500.000 | 17.5 |
| Decachlorobiphenyl | 8.818 | 8.726 | 8.926 | 52.860 | 50.000 | 5.7 |
| Tetrachloro-m-xylene | 3.802 | 3.705 | 3.905 | 61.630 | 50.000 | 23.3 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **SDG NO.:** Q2826

**Continuing Calib Date:** 08/12/2025 **Initial Calibration Date(s):** 08/01/2025 08/01/2025

**Continuing Calib Time:** 15:48 **Initial Calibration Time(s):** 12:05 20:28

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)**

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.81 | 5.81 | 5.71 | 5.91 | 0.00 |
| Aroclor-1016-2 | (2) | 5.83 | 5.83 | 5.73 | 5.93 | 0.00 |
| Aroclor-1016-3 | (3) | 5.90 | 5.90 | 5.80 | 6.00 | 0.01 |
| Aroclor-1016-4 | (4) | 5.99 | 5.99 | 5.89 | 6.09 | 0.00 |
| Aroclor-1016-5 | (5) | 6.28 | 6.29 | 6.19 | 6.39 | 0.01 |
| Aroclor-1260-1 | (1) | 7.40 | 7.40 | 7.30 | 7.50 | 0.00 |
| Aroclor-1260-2 | (2) | 7.65 | 7.66 | 7.56 | 7.76 | 0.01 |
| Aroclor-1260-3 | (3) | 8.01 | 8.01 | 7.91 | 8.11 | 0.00 |
| Aroclor-1260-4 | (4) | 8.24 | 8.24 | 8.14 | 8.34 | 0.00 |
| Aroclor-1260-5 | (5) | 8.57 | 8.57 | 8.47 | 8.67 | 0.01 |
| Tetrachloro-m-xylene | | 4.66 | 4.66 | 4.56 | 4.76 | 0.00 |
| Decachlorobiphenyl | | 10.44 | 10.44 | 10.34 | 10.54 | 0.00 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **SDG NO.:** Q2826

**Continuing Calib Date:** 08/12/2025 **Initial Calibration Date(s):** 08/01/2025 08/01/2025

**Continuing Calib Time:** 15:48 **Initial Calibration Time(s):** 12:05 20:28

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)**

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.90 | 4.91 | 4.81 | 5.01 | 0.01 |
| Aroclor-1016-2 | (2) | 4.96 | 4.96 | 4.86 | 5.06 | 0.00 |
| Aroclor-1016-3 | (3) | 5.08 | 5.08 | 4.98 | 5.18 | 0.00 |
| Aroclor-1016-4 | (4) | 5.12 | 5.12 | 5.02 | 5.22 | 0.00 |
| Aroclor-1016-5 | (5) | 5.33 | 5.34 | 5.24 | 5.44 | 0.01 |
| Aroclor-1260-1 | (1) | 6.55 | 6.56 | 6.46 | 6.66 | 0.01 |
| Aroclor-1260-2 | (2) | 6.71 | 6.71 | 6.61 | 6.81 | 0.00 |
| Aroclor-1260-3 | (3) | 6.92 | 6.92 | 6.82 | 7.02 | 0.00 |
| Aroclor-1260-4 | (4) | 7.18 | 7.18 | 7.08 | 7.28 | 0.00 |
| Aroclor-1260-5 | (5) | 7.41 | 7.42 | 7.32 | 7.52 | 0.01 |
| Tetrachloro-m-xylene | | 3.80 | 3.81 | 3.71 | 3.91 | 0.01 |
| Decachlorobiphenyl | | 8.82 | 8.83 | 8.73 | 8.93 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **SDG NO.:** Q2826

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/01/2025 08/01/2025

**Client Sample No.:** CCAL04 **Date Analyzed:** 08/12/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP074316.D **Time Analyzed:** 15:48

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.811 | 5.712 | 5.912 | 556.880 | 500.000 | 11.4 |
| Aroclor-1016-2 | 5.832 | 5.733 | 5.933 | 550.560 | 500.000 | 10.1 |
| Aroclor-1016-3 | 5.895 | 5.796 | 5.996 | 559.440 | 500.000 | 11.9 |
| Aroclor-1016-4 | 5.992 | 5.893 | 6.093 | 563.510 | 500.000 | 12.7 |
| Aroclor-1016-5 | 6.284 | 6.186 | 6.386 | 554.850 | 500.000 | 11.0 |
| Aroclor-1260-1 | 7.401 | 7.303 | 7.503 | 536.530 | 500.000 | 7.3 |
| Aroclor-1260-2 | 7.654 | 7.555 | 7.755 | 517.500 | 500.000 | 3.5 |
| Aroclor-1260-3 | 8.012 | 7.913 | 8.113 | 522.830 | 500.000 | 4.6 |
| Aroclor-1260-4 | 8.240 | 8.142 | 8.342 | 532.940 | 500.000 | 6.6 |
| Aroclor-1260-5 | 8.565 | 8.468 | 8.668 | 506.790 | 500.000 | 1.4 |
| Decachlorobiphenyl | 10.436 | 10.338 | 10.538 | 52.310 | 50.000 | 4.6 |
| Tetrachloro-m-xylene | 4.659 | 4.560 | 4.760 | 57.560 | 50.000 | 15.1 |

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## CALIBRATION VERIFICATION SUMMARY

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **SDG NO.:** Q2826

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/01/2025 08/01/2025

**Client Sample No.:** CCAL04 **Date Analyzed:** 08/12/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP074316.D **Time Analyzed:** 15:48

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.903 | 4.806 | 5.006 | 585.540 | 500.000 | 17.1 |
| Aroclor-1016-2 | 4.958 | 4.863 | 5.063 | 555.580 | 500.000 | 11.1 |
| Aroclor-1016-3 | 5.081 | 4.983 | 5.183 | 591.090 | 500.000 | 18.2 |
| Aroclor-1016-4 | 5.122 | 5.023 | 5.223 | 595.870 | 500.000 | 19.2 |
| Aroclor-1016-5 | 5.334 | 5.239 | 5.439 | 590.590 | 500.000 | 18.1 |
| Aroclor-1260-1 | 6.552 | 6.455 | 6.655 | 580.600 | 500.000 | 16.1 |
| Aroclor-1260-2 | 6.706 | 6.609 | 6.809 | 568.790 | 500.000 | 13.8 |
| Aroclor-1260-3 | 6.917 | 6.819 | 7.019 | 594.280 | 500.000 | 18.9 |
| Aroclor-1260-4 | 7.175 | 7.079 | 7.279 | 583.960 | 500.000 | 16.8 |
| Aroclor-1260-5 | 7.414 | 7.318 | 7.518 | 585.850 | 500.000 | 17.2 |
| Decachlorobiphenyl | 8.820 | 8.726 | 8.926 | 55.460 | 50.000 | 10.9 |
| Tetrachloro-m-xylene | 3.802 | 3.705 | 3.905 | 59.630 | 50.000 | 19.3 |

Alliance TECHNICAL GROUP
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# Analytical Sequence

**Client:** G Environmental **SDG No.:** Q2826

**Project:** Ave B **Instrument ID:** ECD_O

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/23/2025 07/23/2025

**THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:**

| CLIENT ID | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | DATAFILE | DCB RT # | TCX RT # |
|---|---|---|---|---|---|---|
| I.BLK | I.BLK | 07/23/2025 | 11:14 | PO112413.D | 8.69 | 3.67 |
| AR1660ICC1000 | AR1660ICC1000 | 07/23/2025 | 11:32 | PO112414.D | 8.70 | 3.67 |
| AR1660ICC750 | AR1660ICC750 | 07/23/2025 | 11:50 | PO112415.D | 8.69 | 3.67 |
| AR1660ICC500 | AR1660ICC500 | 07/23/2025 | 12:08 | PO112416.D | 8.69 | 3.67 |
| AR1660ICC250 | AR1660ICC250 | 07/23/2025 | 12:27 | PO112417.D | 8.69 | 3.67 |
| AR1660ICC050 | AR1660ICC050 | 07/23/2025 | 12:45 | PO112418.D | 8.69 | 3.67 |
| AR1221ICC500 | AR1221ICC500 | 07/23/2025 | 13:03 | PO112419.D | 8.69 | 3.67 |
| AR1232ICC500 | AR1232ICC500 | 07/23/2025 | 13:22 | PO112420.D | 8.69 | 3.67 |
| AR1242ICC1000 | AR1242ICC1000 | 07/23/2025 | 13:40 | PO112421.D | 8.69 | 3.67 |
| AR1242ICC750 | AR1242ICC750 | 07/23/2025 | 13:59 | PO112422.D | 8.69 | 3.67 |
| AR1242ICC500 | AR1242ICC500 | 07/23/2025 | 14:17 | PO112423.D | 8.69 | 3.67 |
| AR1242ICC250 | AR1242ICC250 | 07/23/2025 | 14:36 | PO112424.D | 8.69 | 3.67 |
| AR1242ICC050 | AR1242ICC050 | 07/23/2025 | 14:54 | PO112425.D | 8.70 | 3.67 |
| AR1248ICC1000 | AR1248ICC1000 | 07/23/2025 | 15:13 | PO112426.D | 8.69 | 3.67 |
| AR1248ICC750 | AR1248ICC750 | 07/23/2025 | 15:31 | PO112427.D | 8.69 | 3.67 |
| AR1248ICC500 | AR1248ICC500 | 07/23/2025 | 15:48 | PO112428.D | 8.69 | 3.67 |
| AR1248ICC250 | AR1248ICC250 | 07/23/2025 | 16:07 | PO112429.D | 8.70 | 3.67 |
| AR1248ICC050 | AR1248ICC050 | 07/23/2025 | 16:25 | PO112430.D | 8.69 | 3.67 |
| AR1254ICC1000 | AR1254ICC1000 | 07/23/2025 | 16:44 | PO112431.D | 8.69 | 3.67 |
| AR1254ICC750 | AR1254ICC750 | 07/23/2025 | 17:02 | PO112432.D | 8.69 | 3.67 |
| AR1254ICC500 | AR1254ICC500 | 07/23/2025 | 17:21 | PO112433.D | 8.70 | 3.67 |
| AR1254ICC250 | AR1254ICC250 | 07/23/2025 | 17:39 | PO112434.D | 8.69 | 3.67 |
| AR1254ICC050 | AR1254ICC050 | 07/23/2025 | 17:57 | PO112435.D | 8.69 | 3.67 |
| AR1262ICC500 | AR1262ICC500 | 07/23/2025 | 18:16 | PO112436.D | 8.70 | 3.67 |
| AR1268ICC1000 | AR1268ICC1000 | 07/23/2025 | 18:34 | PO112437.D | 8.70 | 3.67 |
| AR1268ICC750 | AR1268ICC750 | 07/23/2025 | 18:53 | PO112438.D | 8.70 | 3.67 |
| AR1268ICC500 | AR1268ICC500 | 07/23/2025 | 19:11 | PO112439.D | 8.70 | 3.67 |
| AR1268ICC250 | AR1268ICC250 | 07/23/2025 | 19:28 | PO112440.D | 8.69 | 3.67 |
| AR1268ICC050 | AR1268ICC050 | 07/23/2025 | 19:47 | PO112441.D | 8.70 | 3.67 |
| AR1660CCC500 | AR1660CCC500 | 08/12/2025 | 15:50 | PO112865.D | 8.69 | 3.67 |
| I.BLK | I.BLK | 08/12/2025 | 17:00 | PO112869.D | 8.69 | 3.67 |
| WC1 | Q2826-01 | 08/12/2025 | 17:56 | PO112872.D | 8.69 | 3.67 |
| AR1660CCC500 | AR1660CCC500 | 08/12/2025 | 21:09 | PO112880.D | 8.69 | 3.67 |
| I.BLK | I.BLK | 08/12/2025 | 22:56 | PO112884.D | 8.69 | 3.67 |
| I.BLK | I.BLK | 08/01/2025 | 11:49 | PP074167.D | 10.44 | 4.66 |
| AR1660ICC1000 | AR1660ICC1000 | 08/01/2025 | 12:05 | PP074168.D | 10.44 | 4.66 |
| AR1660ICC750 | AR1660ICC750 | 08/01/2025 | 12:22 | PP074169.D | 10.44 | 4.66 |
| AR1660ICC500 | AR1660ICC500 | 08/01/2025 | 12:38 | PP074170.D | 10.44 | 4.66 |
| AR1660ICC250 | AR1660ICC250 | 08/01/2025 | 12:54 | PP074171.D | 10.44 | 4.66 |
| AR1660ICC050 | AR1660ICC050 | 08/01/2025 | 13:42 | PP074172.D | 10.44 | 4.66 |
| AR1221ICC500 | AR1221ICC500 | 08/01/2025 | 13:58 | PP074173.D | 10.44 | 4.66 |
| AR1232ICC500 | AR1232ICC500 | 08/01/2025 | 14:15 | PP074174.D | 10.44 | 4.66 |

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# Analytical Sequence

| | | | | | | |
|---|---|---|---|---|---|---|
| AR1242ICC1000 | AR1242ICC1000 | 08/01/2025 | 14:31 | PP074175.D | 10.44 | 4.66 |
| AR1242ICC750 | AR1242ICC750 | 08/01/2025 | 14:47 | PP074176.D | 10.44 | 4.66 |
| AR1242ICC500 | AR1242ICC500 | 08/01/2025 | 15:03 | PP074177.D | 10.43 | 4.66 |
| AR1242ICC250 | AR1242ICC250 | 08/01/2025 | 15:19 | PP074178.D | 10.44 | 4.66 |
| AR1242ICC050 | AR1242ICC050 | 08/01/2025 | 15:36 | PP074179.D | 10.43 | 4.66 |
| AR1248ICC500 | AR1248ICC500 | 08/01/2025 | 16:57 | PP074182.D | 10.43 | 4.66 |
| AR1254ICC1000 | AR1254ICC1000 | 08/01/2025 | 18:02 | PP074185.D | 10.43 | 4.66 |
| AR1254ICC750 | AR1254ICC750 | 08/01/2025 | 18:18 | PP074186.D | 10.43 | 4.66 |
| AR1254ICC500 | AR1254ICC500 | 08/01/2025 | 18:34 | PP074187.D | 10.43 | 4.66 |
| AR1254ICC250 | AR1254ICC250 | 08/01/2025 | 18:50 | PP074188.D | 10.43 | 4.66 |
| AR1254ICC050 | AR1254ICC050 | 08/01/2025 | 19:23 | PP074189.D | 10.43 | 4.66 |
| AR1262ICC500 | AR1262ICC500 | 08/01/2025 | 19:39 | PP074190.D | 10.43 | 4.66 |
| AR1268ICC500 | AR1268ICC500 | 08/01/2025 | 20:28 | PP074193.D | 10.43 | 4.66 |
| AR1660CCC500 | AR1660CCC500 | 08/12/2025 | 09:51 | PP074302.D | 10.43 | 4.66 |
| I.BLK | I.BLK | 08/12/2025 | 10:43 | PP074305.D | 10.44 | 4.66 |
| PB169205BL | PB169205BL | 08/12/2025 | 12:48 | PP074308.D | 10.44 | 4.66 |
| PB169205BS | PB169205BS | 08/12/2025 | 13:05 | PP074309.D | 10.44 | 4.66 |
| BIN0009-DRIVEWAY-TP-SOUTH-EAST | Q2830-01MS | 08/12/2025 | 13:37 | PP074311.D | 10.44 | 4.66 |
| BIN0009-DRIVEWAY-TP-SOUTH-EAST | Q2830-01MSD | 08/12/2025 | 13:53 | PP074312.D | 10.44 | 4.66 |
| AR1660CCC500 | AR1660CCC500 | 08/12/2025 | 15:48 | PP074316.D | 10.44 | 4.66 |
| I.BLK | I.BLK | 08/12/2025 | 16:53 | PP074319.D | 10.43 | 4.66 |

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# Analytical Sequence

**Client:** G Environmental **SDG No.:** Q2826

**Project:** Ave B **Instrument ID:** ECD_O

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/23/2025 07/23/2025

**THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:**

| CLIENT ID | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | DATAFILE | DCB RT # | TCX RT # |
|---|---|---|---|---|---|---|
| I.BLK | I.BLK | 07/23/2025 | 11:14 | PO112413.D | 8.64 | 3.66 |
| AR1660ICC1000 | AR1660ICC1000 | 07/23/2025 | 11:32 | PO112414.D | 8.64 | 3.66 |
| AR1660ICC750 | AR1660ICC750 | 07/23/2025 | 11:50 | PO112415.D | 8.64 | 3.66 |
| AR1660ICC500 | AR1660ICC500 | 07/23/2025 | 12:08 | PO112416.D | 8.64 | 3.66 |
| AR1660ICC250 | AR1660ICC250 | 07/23/2025 | 12:27 | PO112417.D | 8.64 | 3.66 |
| AR1660ICC050 | AR1660ICC050 | 07/23/2025 | 12:45 | PO112418.D | 8.64 | 3.66 |
| AR1221ICC500 | AR1221ICC500 | 07/23/2025 | 13:03 | PO112419.D | 8.64 | 3.66 |
| AR1232ICC500 | AR1232ICC500 | 07/23/2025 | 13:22 | PO112420.D | 8.64 | 3.66 |
| AR1242ICC1000 | AR1242ICC1000 | 07/23/2025 | 13:40 | PO112421.D | 8.64 | 3.66 |
| AR1242ICC750 | AR1242ICC750 | 07/23/2025 | 13:59 | PO112422.D | 8.64 | 3.66 |
| AR1242ICC500 | AR1242ICC500 | 07/23/2025 | 14:17 | PO112423.D | 8.64 | 3.66 |
| AR1242ICC250 | AR1242ICC250 | 07/23/2025 | 14:36 | PO112424.D | 8.64 | 3.66 |
| AR1242ICC050 | AR1242ICC050 | 07/23/2025 | 14:54 | PO112425.D | 8.64 | 3.66 |
| AR1248ICC1000 | AR1248ICC1000 | 07/23/2025 | 15:13 | PO112426.D | 8.64 | 3.66 |
| AR1248ICC750 | AR1248ICC750 | 07/23/2025 | 15:31 | PO112427.D | 8.64 | 3.66 |
| AR1248ICC500 | AR1248ICC500 | 07/23/2025 | 15:48 | PO112428.D | 8.64 | 3.66 |
| AR1248ICC250 | AR1248ICC250 | 07/23/2025 | 16:07 | PO112429.D | 8.64 | 3.66 |
| AR1248ICC050 | AR1248ICC050 | 07/23/2025 | 16:25 | PO112430.D | 8.64 | 3.66 |
| AR1254ICC1000 | AR1254ICC1000 | 07/23/2025 | 16:44 | PO112431.D | 8.64 | 3.66 |
| AR1254ICC750 | AR1254ICC750 | 07/23/2025 | 17:02 | PO112432.D | 8.64 | 3.66 |
| AR1254ICC500 | AR1254ICC500 | 07/23/2025 | 17:21 | PO112433.D | 8.64 | 3.66 |
| AR1254ICC250 | AR1254ICC250 | 07/23/2025 | 17:39 | PO112434.D | 8.64 | 3.66 |
| AR1254ICC050 | AR1254ICC050 | 07/23/2025 | 17:57 | PO112435.D | 8.64 | 3.66 |
| AR1262ICC500 | AR1262ICC500 | 07/23/2025 | 18:16 | PO112436.D | 8.64 | 3.66 |
| AR1268ICC1000 | AR1268ICC1000 | 07/23/2025 | 18:34 | PO112437.D | 8.64 | 3.66 |
| AR1268ICC750 | AR1268ICC750 | 07/23/2025 | 18:53 | PO112438.D | 8.64 | 3.66 |
| AR1268ICC500 | AR1268ICC500 | 07/23/2025 | 19:11 | PO112439.D | 8.64 | 3.66 |
| AR1268ICC250 | AR1268ICC250 | 07/23/2025 | 19:28 | PO112440.D | 8.64 | 3.66 |
| AR1268ICC050 | AR1268ICC050 | 07/23/2025 | 19:47 | PO112441.D | 8.64 | 3.66 |
| AR1660CCC500 | AR1660CCC500 | 08/12/2025 | 15:50 | PO112865.D | 8.63 | 3.66 |
| I.BLK | I.BLK | 08/12/2025 | 17:00 | PO112869.D | 8.63 | 3.66 |
| WC1 | Q2826-01 | 08/12/2025 | 17:56 | PO112872.D | 8.63 | 3.66 |
| AR1660CCC500 | AR1660CCC500 | 08/12/2025 | 21:09 | PO112880.D | 8.63 | 3.66 |
| I.BLK | I.BLK | 08/12/2025 | 22:56 | PO112884.D | 8.63 | 3.66 |
| I.BLK | I.BLK | 08/01/2025 | 11:49 | PP074167.D | 8.83 | 3.80 |
| AR1660ICC1000 | AR1660ICC1000 | 08/01/2025 | 12:05 | PP074168.D | 8.83 | 3.81 |
| AR1660ICC750 | AR1660ICC750 | 08/01/2025 | 12:22 | PP074169.D | 8.83 | 3.80 |
| AR1660ICC500 | AR1660ICC500 | 08/01/2025 | 12:38 | PP074170.D | 8.83 | 3.81 |
| AR1660ICC250 | AR1660ICC250 | 08/01/2025 | 12:54 | PP074171.D | 8.83 | 3.81 |
| AR1660ICC050 | AR1660ICC050 | 08/01/2025 | 13:42 | PP074172.D | 8.83 | 3.80 |
| AR1221ICC500 | AR1221ICC500 | 08/01/2025 | 13:58 | PP074173.D | 8.83 | 3.80 |
| AR1232ICC500 | AR1232ICC500 | 08/01/2025 | 14:15 | PP074174.D | 8.83 | 3.80 |

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Fax : 908 789 8922

# Analytical Sequence

| | | | | | | |
|---|---|---|---|---|---|---|
| AR1242ICC1000 | AR1242ICC1000 | 08/01/2025 | 14:31 | PP074175.D | 8.83 | 3.80 |
| AR1242ICC750 | AR1242ICC750 | 08/01/2025 | 14:47 | PP074176.D | 8.82 | 3.80 |
| AR1242ICC500 | AR1242ICC500 | 08/01/2025 | 15:03 | PP074177.D | 8.83 | 3.81 |
| AR1242ICC250 | AR1242ICC250 | 08/01/2025 | 15:19 | PP074178.D | 8.82 | 3.81 |
| AR1242ICC050 | AR1242ICC050 | 08/01/2025 | 15:36 | PP074179.D | 8.82 | 3.80 |
| AR1248ICC500 | AR1248ICC500 | 08/01/2025 | 16:57 | PP074182.D | 8.82 | 3.81 |
| AR1254ICC1000 | AR1254ICC1000 | 08/01/2025 | 18:02 | PP074185.D | 8.82 | 3.81 |
| AR1254ICC750 | AR1254ICC750 | 08/01/2025 | 18:18 | PP074186.D | 8.82 | 3.80 |
| AR1254ICC500 | AR1254ICC500 | 08/01/2025 | 18:34 | PP074187.D | 8.82 | 3.80 |
| AR1254ICC250 | AR1254ICC250 | 08/01/2025 | 18:50 | PP074188.D | 8.82 | 3.80 |
| AR1254ICC050 | AR1254ICC050 | 08/01/2025 | 19:23 | PP074189.D | 8.82 | 3.80 |
| AR1262ICC500 | AR1262ICC500 | 08/01/2025 | 19:39 | PP074190.D | 8.82 | 3.80 |
| AR1268ICC500 | AR1268ICC500 | 08/01/2025 | 20:28 | PP074193.D | 8.82 | 3.80 |
| AR1660CCC500 | AR1660CCC500 | 08/12/2025 | 09:51 | PP074302.D | 8.82 | 3.80 |
| I.BLK | I.BLK | 08/12/2025 | 10:43 | PP074305.D | 8.82 | 3.81 |
| PB169205BL | PB169205BL | 08/12/2025 | 12:48 | PP074308.D | 8.82 | 3.80 |
| PB169205BS | PB169205BS | 08/12/2025 | 13:05 | PP074309.D | 8.82 | 3.80 |
| BIN0009-DRIVEWAY-TP-SOUTH-EAST | Q2830-01MS | 08/12/2025 | 13:37 | PP074311.D | 8.82 | 3.80 |
| BIN0009-DRIVEWAY-TP-SOUTH-EAST | Q2830-01MSD | 08/12/2025 | 13:53 | PP074312.D | 8.82 | 3.80 |
| AR1660CCC500 | AR1660CCC500 | 08/12/2025 | 15:48 | PP074316.D | 8.82 | 3.80 |
| I.BLK | I.BLK | 08/12/2025 | 16:53 | PP074319.D | 8.82 | 3.80 |

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# IDENTIFICATION SUMMARY
## FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

WC1

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2826

Lab Sample ID: Q2826-01 Date(s) Analyzed: 08/12/2025 08/12/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO112872.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1254 | 1 | 5.561 | 5.511 | 5.611 | 54.9 | | |
| | 2 | 5.706 | 5.656 | 5.756 | 40.4 | | |
| | 3 | 6.109 | 6.059 | 6.159 | 34.6 | | |
| COLUMN 1 | 4 | 6.339 | 6.289 | 6.389 | 21.1 | | |
| | 5 | 6.757 | 6.707 | 6.807 | 46.1 | 39.4 | |
| | 1 | 5.534 | 5.484 | 5.584 | 55.9 | | |
| | 2 | 5.678 | 5.628 | 5.728 | 35.2 | | |
| | 3 | 6.078 | 6.028 | 6.128 | 36.1 | | |
| | 4 | 6.304 | 6.254 | 6.354 | 20.7 | | |
| COLUMN 2 | 5 | 6.721 | 6.671 | 6.771 | 48.8 | 39.4 | 0 |

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# IDENTIFICATION SUMMARY
## FOR MULTICOMPONENT ANALYTES

SAMPLE NO.: PB169205BS

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q2826
Lab Sample ID: PB169205BS
Date(s) Analyzed: 08/12/2025 08/12/2025
Instrument ID (1): ECD_P
Instrument ID (2): ECD_P
GC Column: (1): ZB-MR1 ID: 0.32 (mm)
GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file: PP074309.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 5.809 | 5.759 | 5.859 | 183 | | |
| | 2 | 5.83 | 5.78 | 5.88 | 187 | | |
| | 3 | 5.893 | 5.843 | 5.943 | 187 | | |
| COLUMN 1 | 4 | 5.99 | 5.94 | 6.04 | 188 | | |
| | 5 | 6.283 | 6.233 | 6.333 | 180 | 185 | |
| | 1 | 4.902 | 4.852 | 4.952 | 191 | | |
| | 2 | 4.959 | 4.909 | 5.009 | 185 | | |
| | 3 | 5.08 | 5.03 | 5.13 | 176 | | |
| | 4 | 5.121 | 5.071 | 5.171 | 172 | | |
| COLUMN 2 | 5 | 5.334 | 5.284 | 5.384 | 191 | 183 | 1.09 |
| Aroclor-1260 | 1 | 7.401 | 7.351 | 7.451 | 183 | | |
| | 2 | 7.653 | 7.603 | 7.703 | 176 | | |
| | 3 | 8.012 | 7.962 | 8.062 | 152 | | |
| COLUMN 1 | 4 | 8.238 | 8.188 | 8.288 | 165 | | |
| | 5 | 8.566 | 8.516 | 8.616 | 150 | 165 | |
| | 1 | 6.551 | 6.501 | 6.601 | 195 | | |
| | 2 | 6.706 | 6.656 | 6.756 | 195 | | |
| | 3 | 6.915 | 6.865 | 6.965 | 173 | | |
| | 4 | 7.175 | 7.125 | 7.225 | 171 | | |
| COLUMN 2 | 5 | 7.415 | 7.365 | 7.465 | 168 | 180 | 8.7 |

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## IDENTIFICATION SUMMARY
## FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

BIN0009-DRIVEWAY-TP

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q2826
Lab Sample ID: Q2830-01MS
Date(s) Analyzed: 08/12/2025 08/12/2025
Instrument ID (1): ECD_P
Instrument ID (2): ECD_P
GC Column: (1): ZB-MR1 ID: 0.32 (mm)
GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PP074311.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 5.809 | 5.759 | 5.859 | 200 | | |
| | 2 | 5.831 | 5.781 | 5.881 | 201 | | |
| | 3 | 5.894 | 5.844 | 5.944 | 200 | | |
| COLUMN 1 | 4 | 5.991 | 5.941 | 6.041 | 209 | | |
| | 5 | 6.283 | 6.233 | 6.333 | 195 | 201 | |
| | 1 | 4.901 | 4.851 | 4.951 | 213 | | |
| | 2 | 4.958 | 4.908 | 5.008 | 215 | | |
| | 3 | 5.079 | 5.029 | 5.129 | 219 | | |
| | 4 | 5.119 | 5.069 | 5.169 | 206 | | |
| COLUMN 2 | 5 | 5.334 | 5.284 | 5.384 | 212 | 213 | 5.8 |
| Aroclor-1260 | 1 | 7.4 | 7.35 | 7.45 | 191 | | |
| | 2 | 7.653 | 7.603 | 7.703 | 183 | | |
| | 3 | 8.012 | 7.962 | 8.062 | 157 | | |
| COLUMN 1 | 4 | 8.238 | 8.188 | 8.288 | 181 | | |
| | 5 | 8.566 | 8.516 | 8.616 | 155 | 173 | |
| | 1 | 6.55 | 6.5 | 6.6 | 196 | | |
| | 2 | 6.704 | 6.654 | 6.754 | 193 | | |
| | 3 | 6.914 | 6.864 | 6.964 | 172 | | |
| | 4 | 7.175 | 7.125 | 7.225 | 175 | | |
| COLUMN 2 | 5 | 7.413 | 7.363 | 7.463 | 170 | 181 | 4.52 |

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# IDENTIFICATION SUMMARY
## FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

BIN0009-DRIVEWAY-TP

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2826

Lab Sample ID: Q2830-01MSD | Date(s) Analyzed: 08/12/2025 08/12/2025

Instrument ID (1): ECD_P | Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) | GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP074312.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 5.811 | 5.761 | 5.861 | 205 | | |
| | 2 | 5.832 | 5.782 | 5.882 | 202 | | |
| | 3 | 5.895 | 5.845 | 5.945 | 204 | | |
| COLUMN 1 | 4 | 5.992 | 5.942 | 6.042 | 256 | | |
| | 5 | 6.284 | 6.234 | 6.334 | 199 | 213 | |
| | 1 | 4.904 | 4.854 | 4.954 | 220 | | |
| | 2 | 4.961 | 4.911 | 5.011 | 222 | | |
| | 3 | 5.081 | 5.031 | 5.131 | 215 | | |
| | 4 | 5.122 | 5.072 | 5.172 | 218 | | |
| COLUMN 2 | 5 | 5.337 | 5.287 | 5.387 | 219 | 219 | 2.78 |
| Aroclor-1260 | 1 | 7.402 | 7.352 | 7.452 | 197 | | |
| | 2 | 7.654 | 7.604 | 7.704 | 186 | | |
| | 3 | 8.012 | 7.962 | 8.062 | 160 | | |
| COLUMN 1 | 4 | 8.239 | 8.189 | 8.289 | 183 | | |
| | 5 | 8.565 | 8.515 | 8.615 | 159 | 177 | |
| | 1 | 6.552 | 6.502 | 6.602 | 206 | | |
| | 2 | 6.707 | 6.657 | 6.757 | 201 | | |
| | 3 | 6.916 | 6.866 | 6.966 | 178 | | |
| | 4 | 7.176 | 7.126 | 7.226 | 180 | | |
| COLUMN 2 | 5 | 7.415 | 7.365 | 7.465 | 176 | 188 | 6.03 |

# SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081225\
Data File : PO112872.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 17:56
Operator : YP/AJ
Sample : Q2826-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
WC1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 01:41:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.667 | 3.659 | 170.5E6 | 100.8E6 | 20.965 | 20.295 |
| 2) | SA Decachlor... | 8.687 | 8.632 | 119.2E6 | 32863816 | 16.303 | 18.597 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 5.561 | 5.534 | 79872674 | 48707150 | 145.499 | 148.217 |
| 27) | L6 AR-1254-2 | 5.706 | 5.678 | 52045990 | 27016272 | 107.108 | 93.323 |
| 28) | L6 AR-1254-3 | 6.109 | 6.078 | 68264954 | 40928487 | 91.719 | 95.748 |
| 29) | L6 AR-1254-4 | 6.339 | 6.304 | 30749467 | 14989535 | 55.938 | 54.914 |
| 30) | L6 AR-1254-5 | 6.757 | 6.721 | 86471053 | 43233985 | 122.165 | 129.435 |

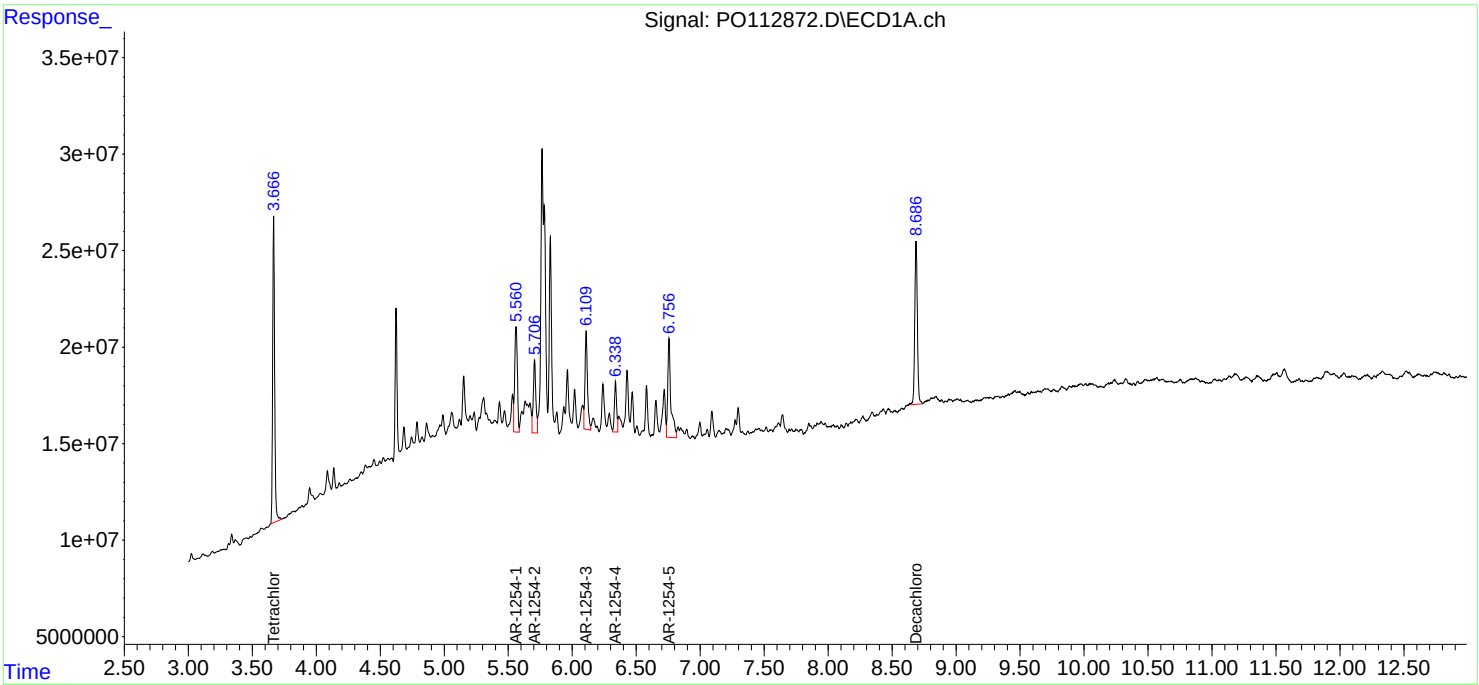
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

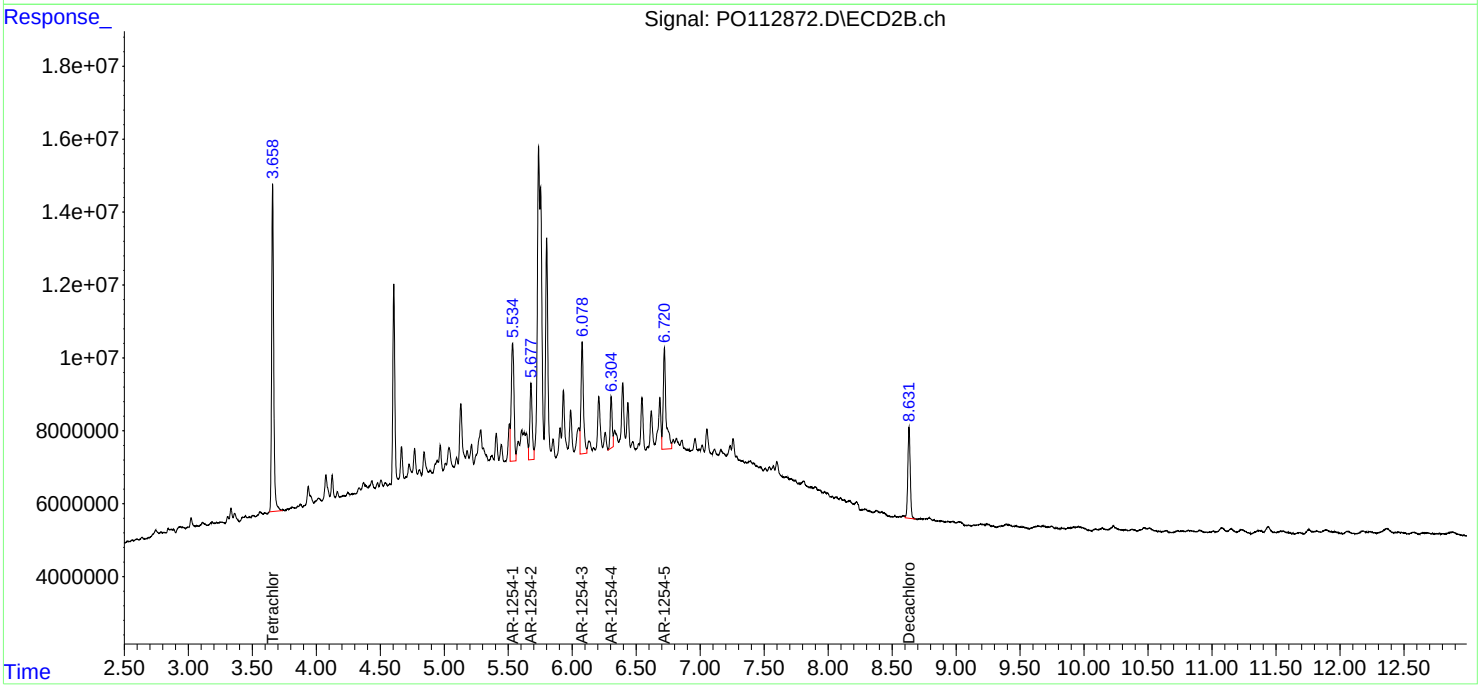
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO081225\
Data File : PO112872.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 17:56
Operator : YP/AJ
Sample : Q2826-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

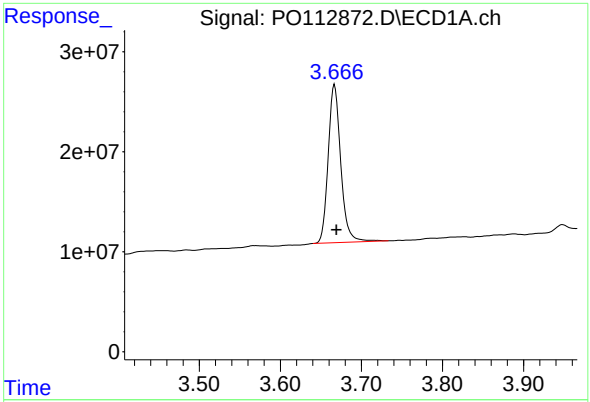
**Instrument :**
ECD_O
**ClientSampleId :**
WC1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 01:41:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO072325.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Jul 24 04:54:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



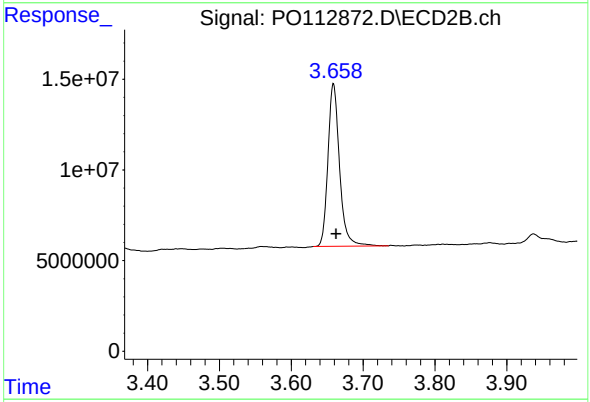






#1 Tetrachloro-m-xylene

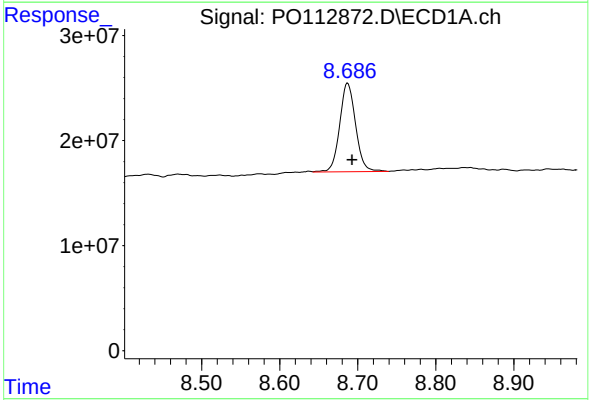
R.T.: 3.667 min
Delta R.T.: -0.002 min
Response: 170475146
Conc: 20.96 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
WC1



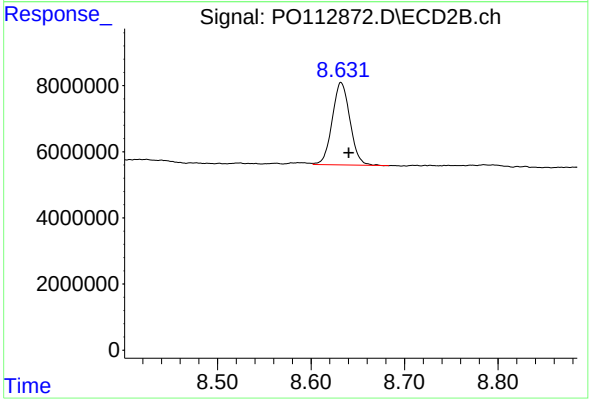

#1 Tetrachloro-m-xylene

R.T.: 3.659 min
Delta R.T.: -0.004 min
Response: 100847382
Conc: 20.29 ng/ml



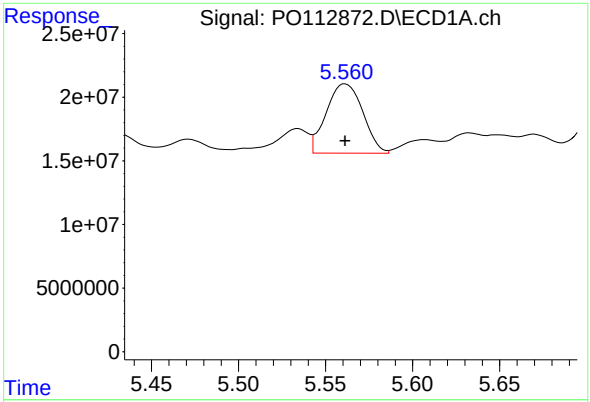

#2 Decachlorobiphenyl

R.T.: 8.687 min
Delta R.T.: -0.006 min
Response: 119207199
Conc: 16.30 ng/ml




#2 Decachlorobiphenyl

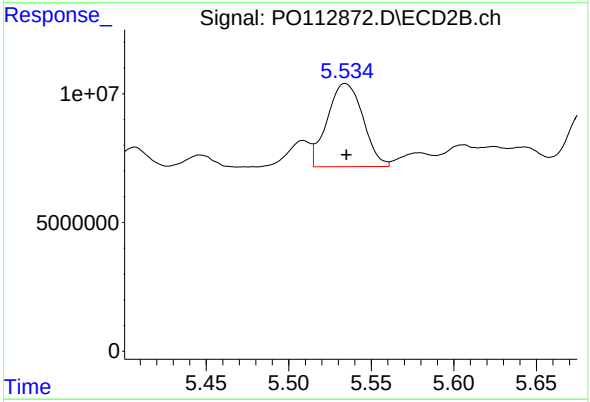
R.T.: 8.632 min
Delta R.T.: -0.008 min
Response: 32863816
Conc: 18.60 ng/ml




#26 AR-1254-1

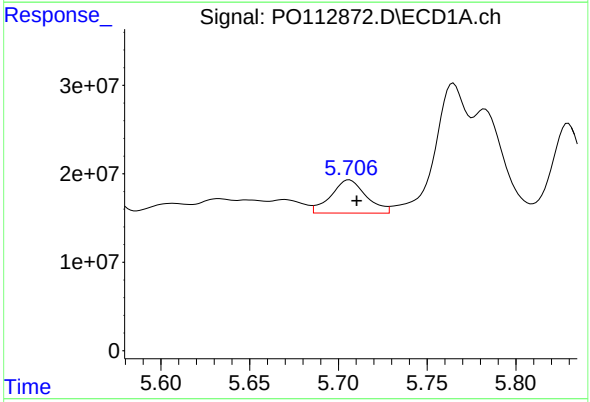
R.T.: 5.561 min
Delta R.T.: 0.000 min
Response: 79872674
Conc: 145.50 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
WC1



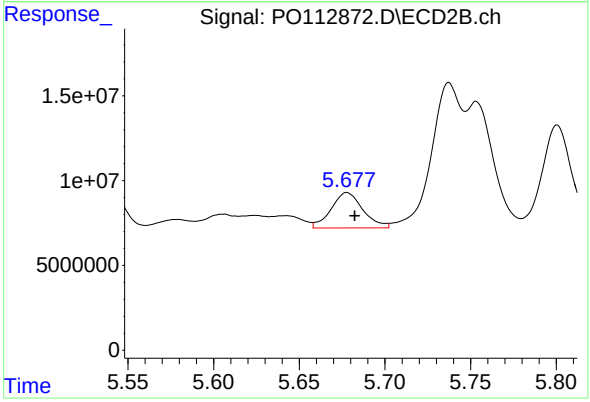

#26 AR-1254-1

R.T.: 5.534 min
Delta R.T.: 0.000 min
Response: 48707150
Conc: 148.22 ng/ml



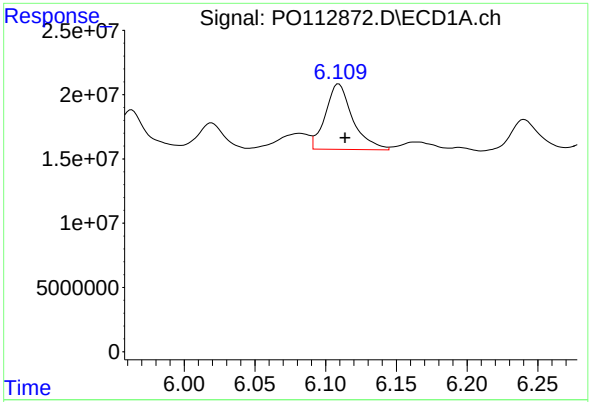

#27 AR-1254-2

R.T.: 5.706 min
Delta R.T.: -0.004 min
Response: 52045990
Conc: 107.11 ng/ml




#27 AR-1254-2

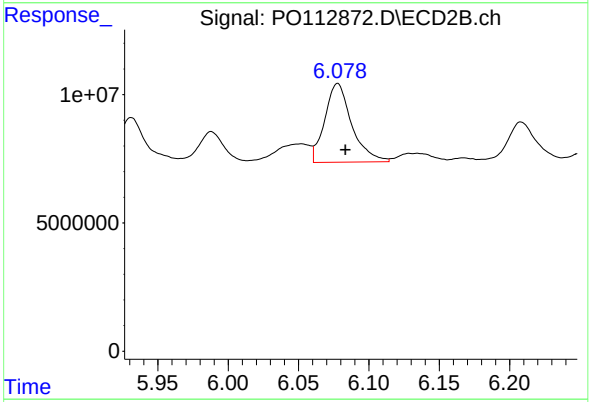
R.T.: 5.678 min
Delta R.T.: -0.005 min
Response: 27016272
Conc: 93.32 ng/ml




#28 AR-1254-3

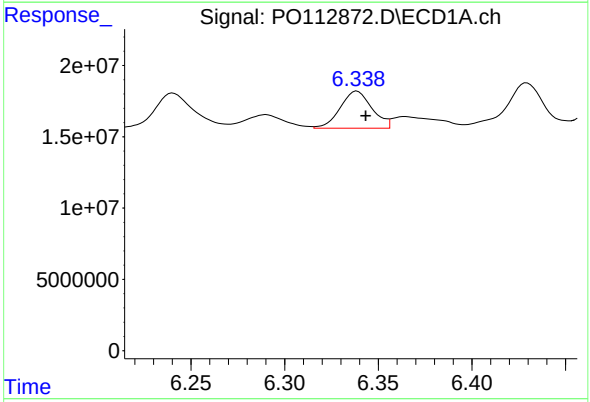
R.T.: 6.109 min
Delta R.T.: -0.004 min
Response: 68264954
Conc: 91.72 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
WC1



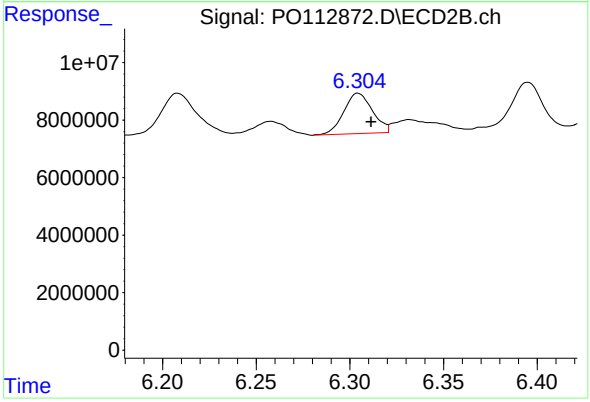

#28 AR-1254-3

R.T.: 6.078 min
Delta R.T.: -0.005 min
Response: 40928487
Conc: 95.75 ng/ml



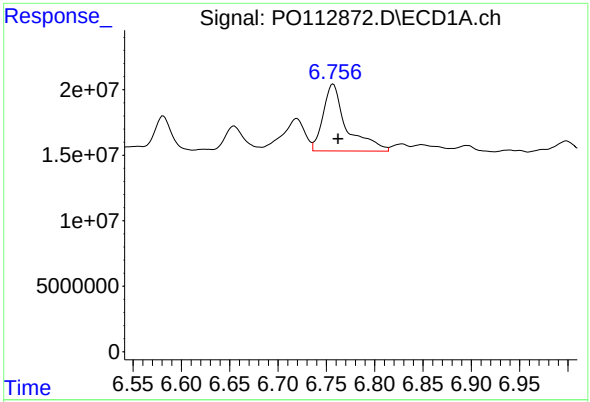

#29 AR-1254-4

R.T.: 6.339 min
Delta R.T.: -0.005 min
Response: 30749467
Conc: 55.94 ng/ml




#29 AR-1254-4

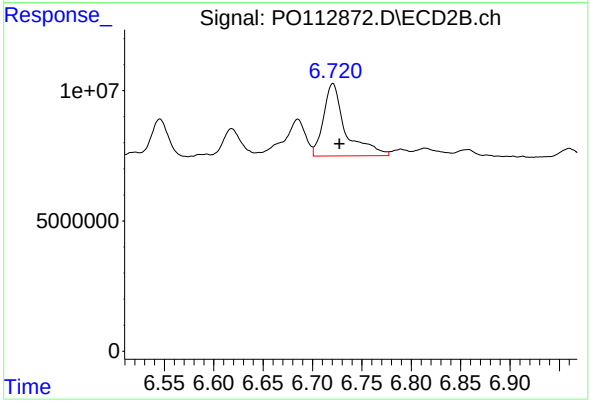
R.T.: 6.304 min
Delta R.T.: -0.007 min
Response: 14989535
Conc: 54.91 ng/ml




#30 AR-1254-5

R.T.: 6.757 min
Delta R.T.: -0.005 min
Response: 86471053
Conc: 122.16 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
WC1




#30 AR-1254-5

R.T.: 6.721 min
Delta R.T.: -0.007 min
Response: 43233985
Conc: 129.44 ng/ml

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

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 13:31:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1  Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ  Signal #2 Info : 30M x 0.32mm x 0.25µm

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.656 | 3.798 | 25834612 | 77167851 | 23.102 | 20.125 |
| 2) | SA Decachlor... | 10.439 | 8.817 | 21524564 | 120.6E6 | 22.164 | 20.052 |
| | Target Compounds | | | | | | |

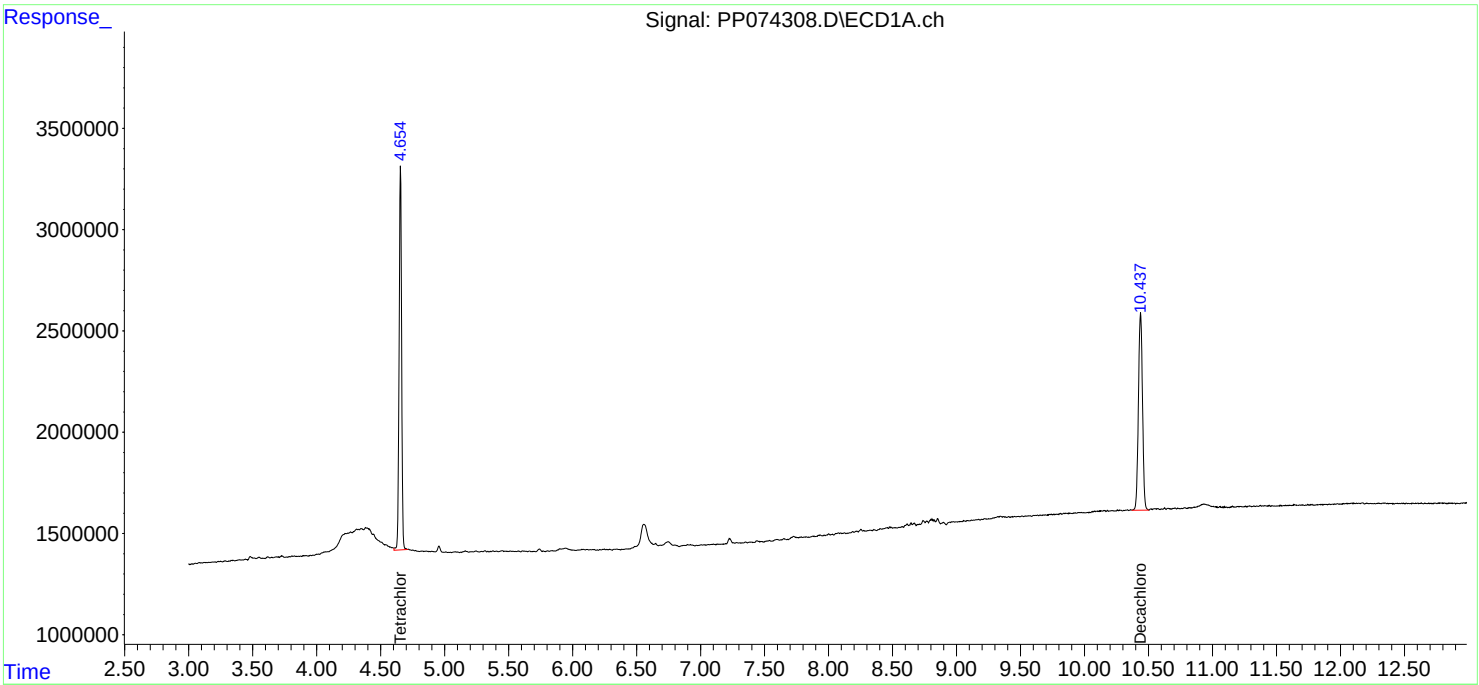
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25%  (m)=manual int.

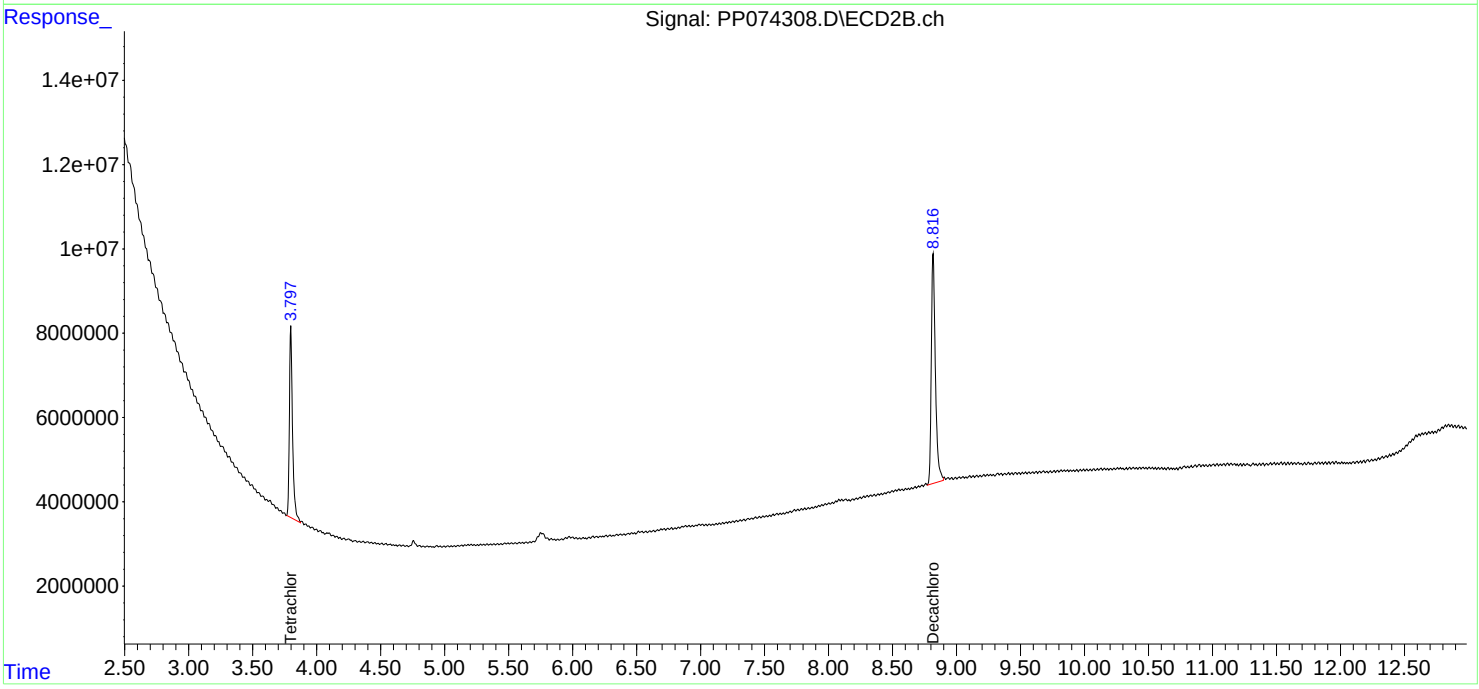
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP081225\
Data File : PP074308.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 12:48
Operator : YP\AJ
Sample : PB169205BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

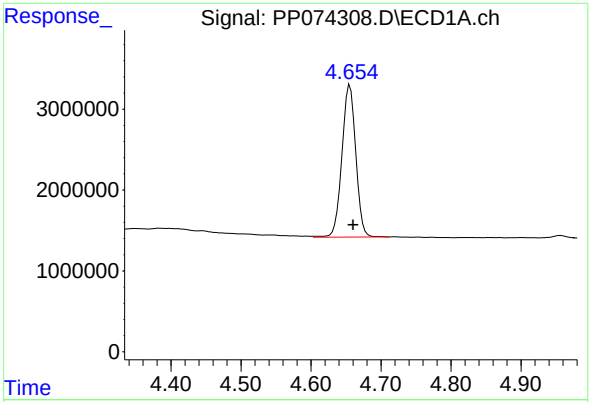
**Instrument :**
ECD_P
**ClientSampleId :**
PB169205BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 13:31:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



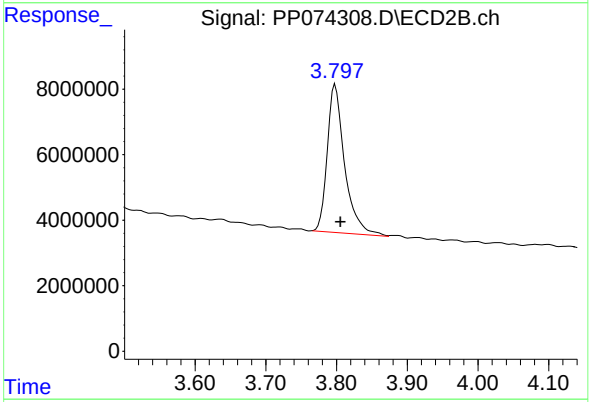






#1 Tetrachloro-m-xylene

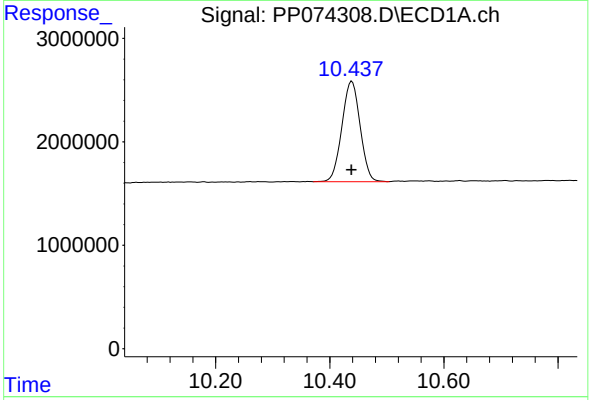
R.T.: 4.656 min
Delta R.T.: -0.004 min
Response: 25834612
Conc: 23.10 ng/ml

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



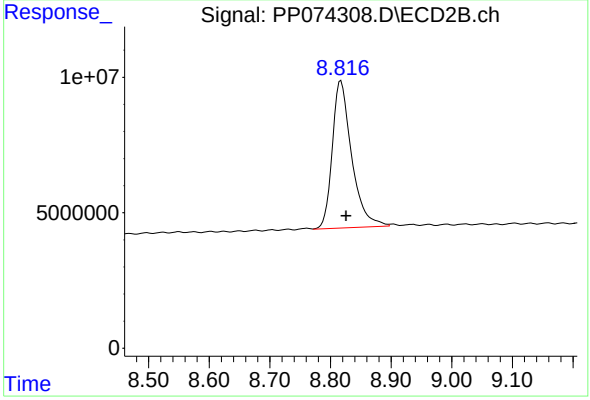

#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: -0.007 min
Response: 77167851
Conc: 20.13 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.439 min
Delta R.T.: 0.000 min
Response: 21524564
Conc: 22.16 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.817 min
Delta R.T.: -0.009 min
Response: 120583654
Conc: 20.05 ng/ml

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

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

**Manual Integrations APPROVED**

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 13:31:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.657 | 3.801 | 27178701 | 79780335 | 24.303 | 20.806 |
| 2) | SA Decachlor... | 10.438 | 8.821 | 21836747 | 120.3E6 | 22.485 | 20.000 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.809 | 4.902 | 22669527 | 228.6E6 | 549.474 | 573.187 |
| 4) | L1 AR-1016-2 | 5.830 | 4.959 | 34110297 | 104.5E6 | 561.563 | 556.666 |
| 5) | L1 AR-1016-3 | 5.893 | 5.080 | 22276842 | 56001049 | 561.688 | 527.965 |
| 6) | L1 AR-1016-4 | 5.990 | 5.121 | 18317589 | 56446484 | 562.848 | 516.814 |
| 7) | L1 AR-1016-5 | 6.283 | 5.334 | 17574695 | 66942868 | 541.292 | 572.341 |
| 31) | L7 AR-1260-1 | 7.401 | 6.551 | 31033148 | 236.1E6 | 550.662 | 584.486 |
| 32) | L7 AR-1260-2 | 7.653 | 6.706 | 36070118 | 182.5E6 | 529.257 | 583.716 |
| 33) | L7 AR-1260-3 | 8.012 | 6.915 | 24314378 | 204.9E6 | 456.215 | 519.977 |
| 34) | L7 AR-1260-4 | 8.238 | 7.175 | 30953569 | 149.4E6 | 494.348m | 513.385 |
| 35) | L7 AR-1260-5 | 8.566 | 7.415 | 51128845 | 382.8E6 | 451.250 | 505.423 |

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

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

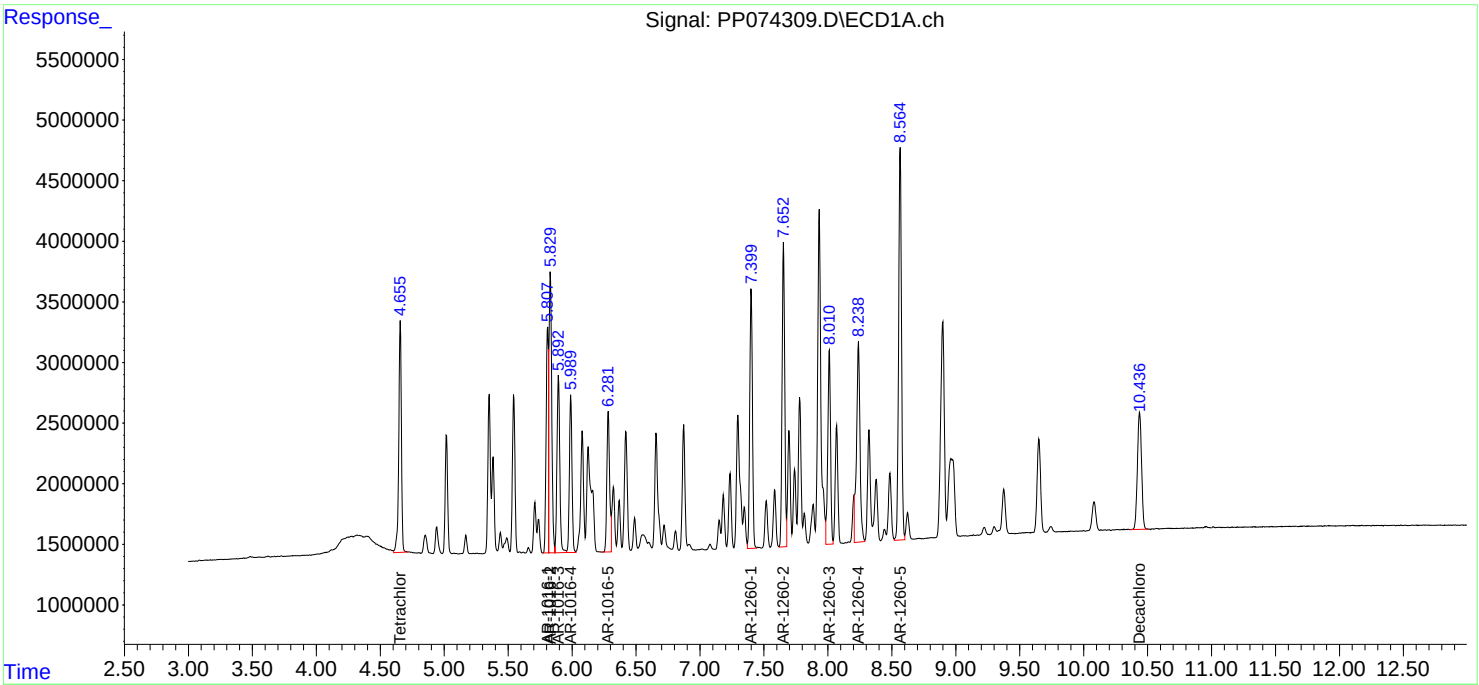
**Instrument :**
ECD_P
**ClientSampleId :**
PB169205BS

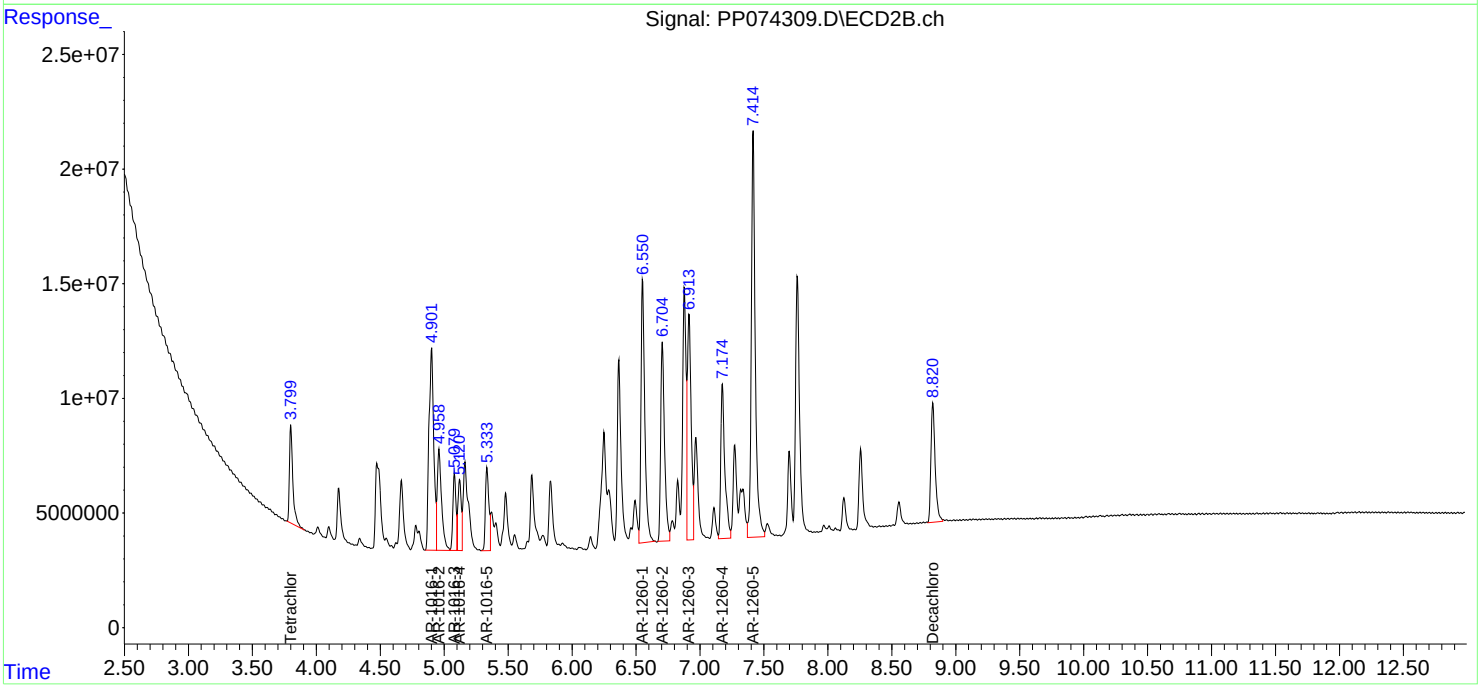
**Manual Integrations APPROVED**

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 13:31:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



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

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

**Manual Integrations APPROVED**

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 14:50:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.655 | 3.800 | 26250208 | 84433109 | 23.473m | 22.020 |
| 2) | SA Decachlor... | 10.437 | 8.820 | 19335273 | 105.2E6 | 19.909 | 17.488 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.809 | 4.901 | 21480557 | 221.4E6 | 520.655 | 555.093 |
| 4) | L1 AR-1016-2 | 5.831 | 4.958 | 31794685 | 105.4E6 | 523.441 | 561.178 |
| 5) | L1 AR-1016-3 | 5.894 | 5.079 | 20638950 | 60560553 | 520.390 | 570.951 |
| 6) | L1 AR-1016-4 | 5.991 | 5.119 | 17736155 | 58694992 | 544.982 | 537.401 |
| 7) | L1 AR-1016-5 | 6.283 | 5.334 | 16474757 | 64653966 | 507.414 | 552.772 |
| 31) | L7 AR-1260-1 | 7.400 | 6.550 | 28140334 | 207.0E6 | 499.331 | 512.404 |
| 32) | L7 AR-1260-2 | 7.653 | 6.704 | 32575808 | 157.6E6 | 477.985 | 503.902 |
| 33) | L7 AR-1260-3 | 8.012 | 6.914 | 21771827 | 176.5E6 | 408.508 | 447.876 |
| 34) | L7 AR-1260-4 | 8.238 | 7.175 | 29533684 | 132.7E6 | 471.671m | 455.876 |
| 35) | L7 AR-1260-5 | 8.566 | 7.413 | 45863963 | 335.1E6 | 404.784 | 442.376 |

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

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

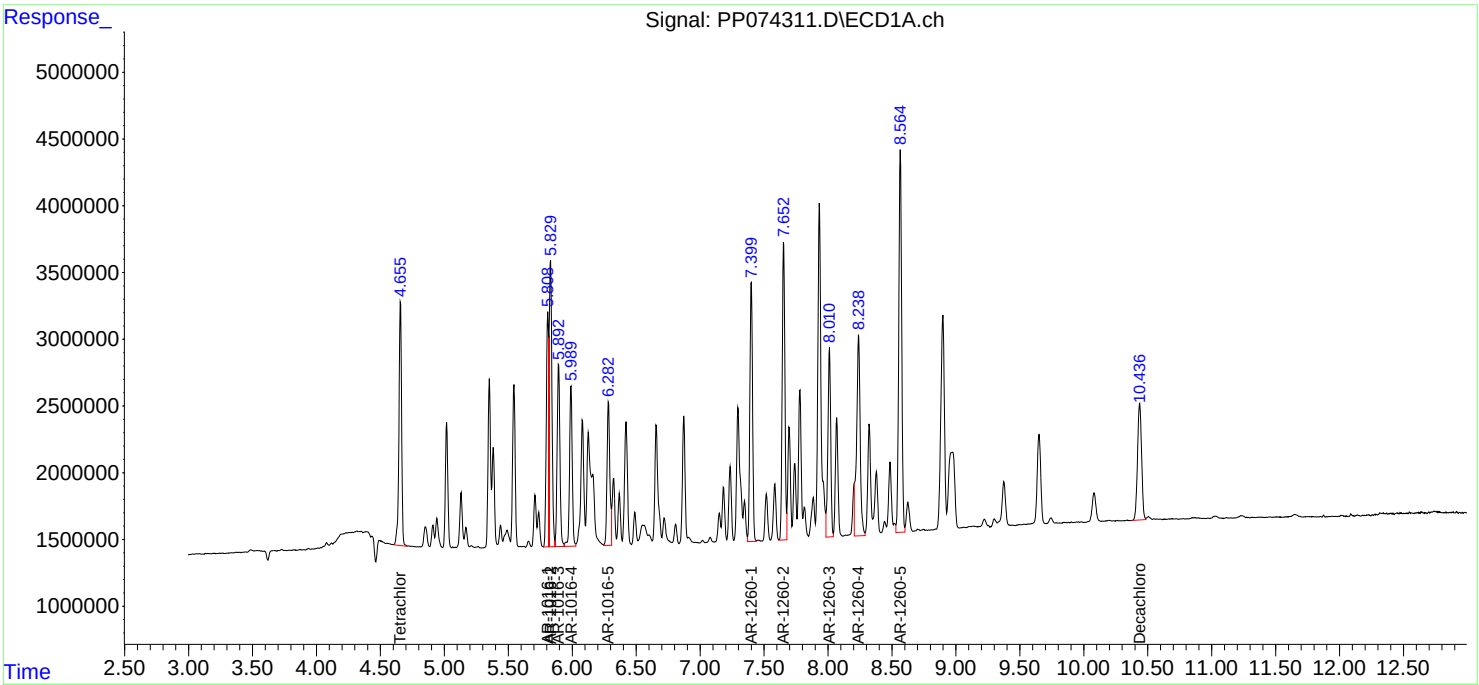
**Instrument :**
ECD_P
**ClientSampleId :**
BIN0009-DRIVEWAY-TP-SOUTH-EASTMS

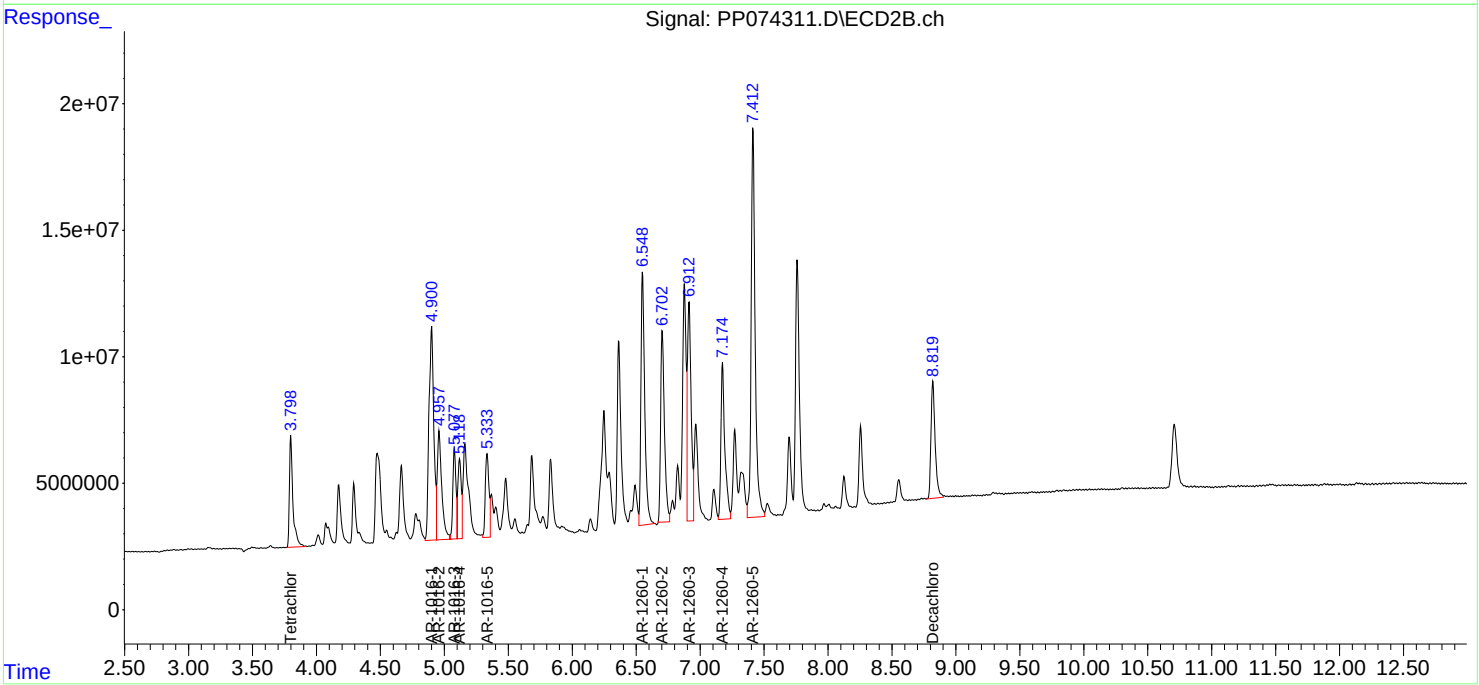
**Manual Integrations APPROVED**

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 14:50:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



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

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

**Manual Integrations APPROVED**

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 14:50:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.658 | 3.803 | 26034862 | 84782674 | 23.281m | 22.111 |
| 2) | SA Decachlor... | 10.435 | 8.820 | 19291425 | 107.3E6 | 19.864m | 17.849 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.811 | 4.904 | 22025300 | 229.5E6 | 533.859 | 575.363 |
| 4) | L1 AR-1016-2 | 5.832 | 4.961 | 31957321 | 109.0E6 | 526.118 | 580.403 |
| 5) | L1 AR-1016-3 | 5.895 | 5.081 | 21162376 | 59483478 | 533.588 | 560.796 |
| 6) | L1 AR-1016-4 | 5.992 | 5.122 | 21722805 | 62077143 | 667.481 | 568.368 |
| 7) | L1 AR-1016-5 | 6.284 | 5.337 | 16835913 | 66799585 | 518.538 | 571.116 |
| 31) | L7 AR-1260-1 | 7.402 | 6.552 | 28910383 | 216.7E6 | 512.995 | 536.408 |
| 32) | L7 AR-1260-2 | 7.654 | 6.707 | 33152517 | 164.0E6 | 486.447 | 524.348 |
| 33) | L7 AR-1260-3 | 8.012 | 6.916 | 22216794 | 183.6E6 | 416.857 | 465.809 |
| 34) | L7 AR-1260-4 | 8.239 | 7.176 | 29914044 | 137.0E6 | 477.746m | 470.828 |
| 35) | L7 AR-1260-5 | 8.565 | 7.415 | 47018435 | 347.3E6 | 414.973 | 458.490 |

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

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

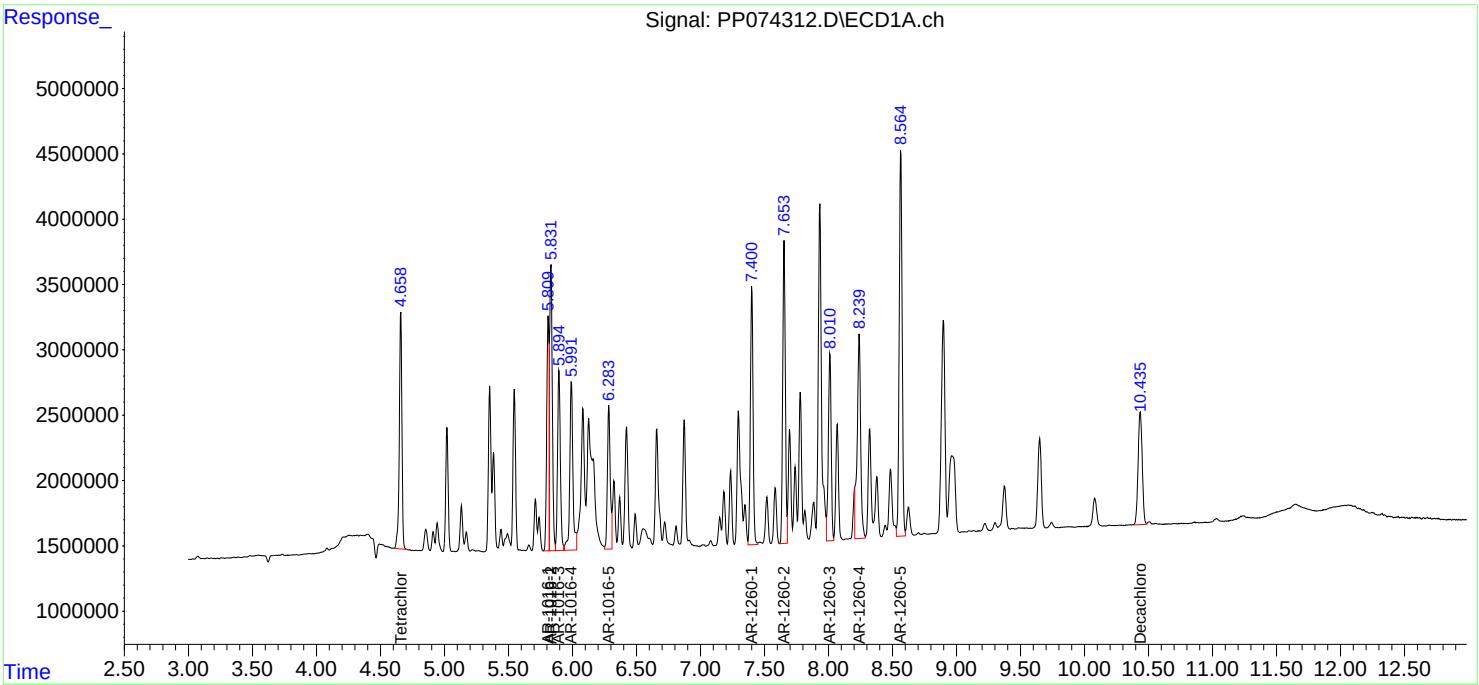
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 14:50:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP080125.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Aug 04 11:01:49 2025
Response via : Initial Calibration
Integrator: ChemStation

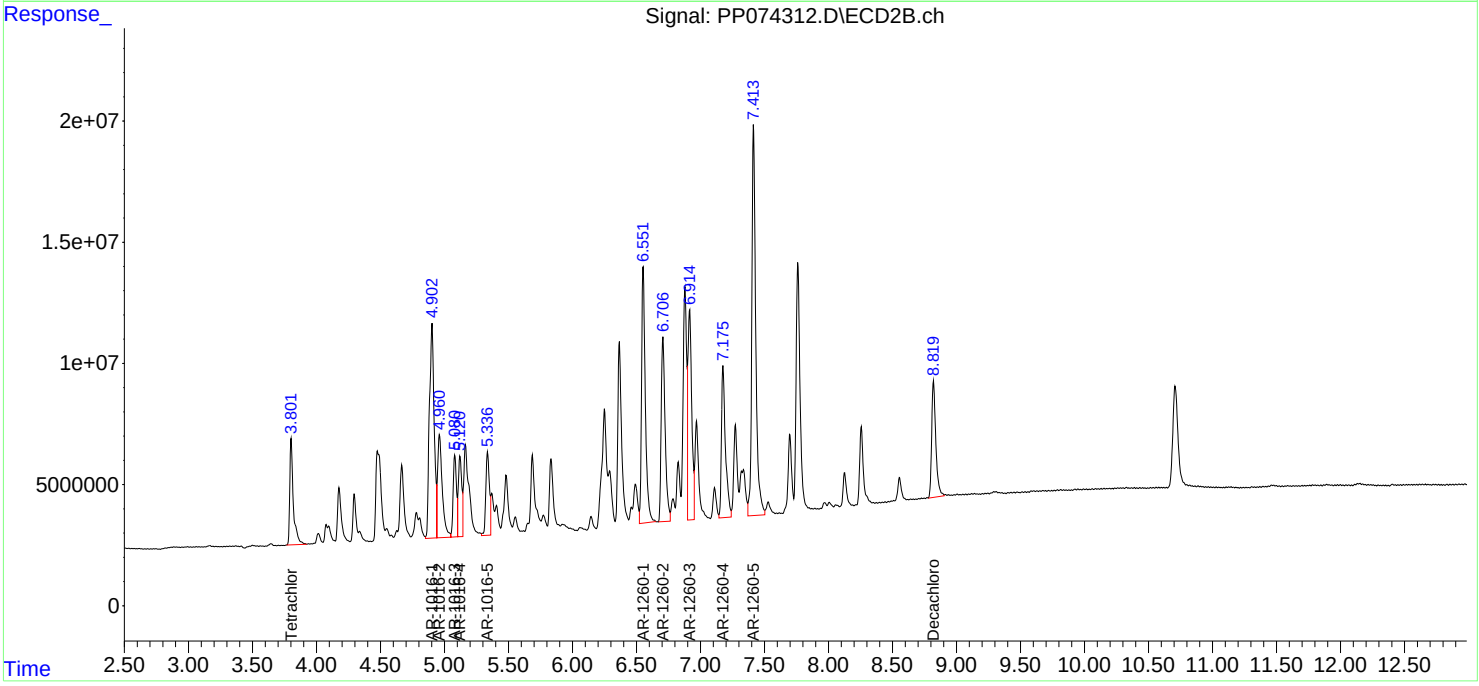
Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

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

**Manual Integrations APPROVED**

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



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

# Manual Integration Report

| Sequence: | PO072325 | Instrument | ECD_o |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1660ICC250 | PO112417.D | AR-1260-1 | yogesh | 7/24/2025 7:42:50 AM | mohammad | 7/25/2025 3:53:10 | Peak Integrated by Software |
| AR1660ICC250 | PO112417.D | AR-1260-1 #2 | yogesh | 7/24/2025 7:42:50 AM | mohammad | 7/25/2025 3:53:10 | Peak Integrated by Software |
| AR1660ICC250 | PO112417.D | AR-1260-2 | yogesh | 7/24/2025 7:42:50 AM | mohammad | 7/25/2025 3:53:10 | Peak Integrated by Software |
| AR1660ICC250 | PO112417.D | AR-1260-3 #2 | yogesh | 7/24/2025 7:42:50 AM | mohammad | 7/25/2025 3:53:10 | Peak Integrated by Software |
| AR1660ICC050 | PO112418.D | AR-1016-5 | yogesh | 7/24/2025 7:42:52 AM | mohammad | 7/25/2025 3:53:10 | Peak Integrated by Software |
| AR1660ICC050 | PO112418.D | AR-1016-5 #2 | yogesh | 7/24/2025 7:42:52 AM | mohammad | 7/25/2025 3:53:10 | Peak Integrated by Software |
| AR1660ICC050 | PO112418.D | AR-1260-1 #2 | yogesh | 7/24/2025 7:42:52 AM | mohammad | 7/25/2025 3:53:10 | Peak Integrated by Software |
| AR1660ICC050 | PO112418.D | AR-1260-3 #2 | yogesh | 7/24/2025 7:42:52 AM | mohammad | 7/25/2025 3:53:10 | Peak Integrated by Software |
| AR1242ICC250 | PO112424.D | AR-1242-5 | yogesh | 7/24/2025 7:42:53 AM | mohammad | 7/25/2025 3:53:10 | Peak Integrated by Software |
| AR1242ICC250 | PO112424.D | AR-1242-5 #2 | yogesh | 7/24/2025 7:42:53 AM | mohammad | 7/25/2025 3:53:10 | Peak Integrated by Software |
| AR1242ICC050 | PO112425.D | AR-1242-5 | yogesh | 7/24/2025 7:42:55 AM | mohammad | 7/25/2025 3:53:10 | Peak Integrated by Software |
| AR1242ICC050 | PO112425.D | AR-1242-5 #2 | yogesh | 7/24/2025 7:42:55 AM | mohammad | 7/25/2025 3:53:10 | Peak Integrated by Software |
| AR1242ICC050 | PO112425.D | Tetrachloro-m-xylene #2 | yogesh | 7/24/2025 7:42:55 AM | mohammad | 7/25/2025 3:53:10 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PO072325 | Instrument | ECD_o |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1248ICC050 | PO112430.D | AR-1248-4 | yogesh | 7/24/2025 7:42:57 AM | mohammad | 7/25/2025 3:53:10 | Peak Integrated by Software |
| AR1248ICC050 | PO112430.D | AR-1248-4 #2 | yogesh | 7/24/2025 7:42:57 AM | mohammad | 7/25/2025 3:53:10 | Peak Integrated by Software |
| AR1248ICC050 | PO112430.D | AR-1248-5 | yogesh | 7/24/2025 7:42:57 AM | mohammad | 7/25/2025 3:53:10 | Peak Integrated by Software |
| AR1248ICC050 | PO112430.D | AR-1248-5 #2 | yogesh | 7/24/2025 7:42:57 AM | mohammad | 7/25/2025 3:53:10 | Peak Integrated by Software |
| AR1254ICC050 | PO112435.D | AR-1254-1 | yogesh | 7/24/2025 7:42:59 AM | mohammad | 7/25/2025 3:53:10 | Peak Integrated by Software |
| AR1254ICC050 | PO112435.D | AR-1254-1 #2 | yogesh | 7/24/2025 7:42:59 AM | mohammad | 7/25/2025 3:53:10 | Peak Integrated by Software |
| AR1254ICC050 | PO112435.D | AR-1254-2 | yogesh | 7/24/2025 7:42:59 AM | mohammad | 7/25/2025 3:53:10 | Peak Integrated by Software |
| AR1254ICC050 | PO112435.D | AR-1254-2 #2 | yogesh | 7/24/2025 7:42:59 AM | mohammad | 7/25/2025 3:53:10 | Peak Integrated by Software |
| AR1254ICC050 | PO112435.D | AR-1254-3 #2 | yogesh | 7/24/2025 7:42:59 AM | mohammad | 7/25/2025 3:53:10 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PO081225 | Instrument | ECD_o |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1660CCC500 | PO112850.D | AR-1016-1 | yogesh | 8/13/2025 11:49:43 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1660CCC500 | PO112850.D | AR-1016-2 | yogesh | 8/13/2025 11:49:43 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1660CCC500 | PO112850.D | AR-1016-3 #2 | yogesh | 8/13/2025 11:49:43 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1660CCC500 | PO112850.D | AR-1016-4 #2 | yogesh | 8/13/2025 11:49:43 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1660CCC500 | PO112850.D | AR-1260-3 #2 | yogesh | 8/13/2025 11:49:43 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1242CCC500 | PO112851.D | AR-1242-1 | yogesh | 8/13/2025 11:49:45 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1242CCC500 | PO112851.D | AR-1242-2 | yogesh | 8/13/2025 11:49:45 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1242CCC500 | PO112851.D | AR-1242-3 #2 | yogesh | 8/13/2025 11:49:45 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1248CCC500 | PO112852.D | AR-1248-1 | yogesh | 8/13/2025 11:49:47 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1660CCC500 | PO112865.D | AR-1016-1 | yogesh | 8/13/2025 11:49:48 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1660CCC500 | PO112865.D | AR-1016-2 | yogesh | 8/13/2025 11:49:48 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1660CCC500 | PO112865.D | AR-1260-3 #2 | yogesh | 8/13/2025 11:49:48 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1242CCC500 | PO112866.D | AR-1242-1 | yogesh | 8/13/2025 11:49:52 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PO081225 | Instrument | ECD_o |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1242CCC500 | PO112866.D | AR-1242-2 | yogesh | 8/13/2025 11:49:52 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1242CCC500 | PO112866.D | AR-1242-3 #2 | yogesh | 8/13/2025 11:49:52 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1660CCC500 | PO112880.D | AR-1016-1 | yogesh | 8/13/2025 11:49:56 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1660CCC500 | PO112880.D | AR-1016-2 | yogesh | 8/13/2025 11:49:56 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1660CCC500 | PO112880.D | AR-1260-3 #2 | yogesh | 8/13/2025 11:49:56 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1242CCC500 | PO112881.D | AR-1242-1 | yogesh | 8/13/2025 11:49:58 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1242CCC500 | PO112881.D | AR-1242-2 | yogesh | 8/13/2025 11:49:58 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1660CCC500 | PO112890.D | AR-1016-1 | yogesh | 8/13/2025 11:50:01 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1660CCC500 | PO112890.D | AR-1016-2 | yogesh | 8/13/2025 11:50:01 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1242CCC500 | PO112891.D | AR-1242-1 | yogesh | 8/13/2025 11:50:03 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1242CCC500 | PO112891.D | AR-1242-2 | yogesh | 8/13/2025 11:50:03 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1242CCC500 | PO112891.D | AR-1242-3 #2 | yogesh | 8/13/2025 11:50:03 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1242CCC500 | PO112891.D | AR-1242-4 #2 | yogesh | 8/13/2025 11:50:03 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PO081225 | Instrument | ECD_o |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1254CCC500 | PO112893.D | AR-1254-1 | yogesh | 8/13/2025 7:36:58 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |
| AR1254CCC500 | PO112893.D | AR-1254-2 | yogesh | 8/13/2025 7:36:58 AM | mohammad | 8/14/2025 1:21:40 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PP080125 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1660ICC250 | PP074171.D | AR-1016-5 | yogesh | 8/5/2025 7:23:21 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |
| AR1660ICC250 | PP074171.D | AR-1260-1 | yogesh | 8/5/2025 7:23:21 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |
| AR1660ICC250 | PP074171.D | AR-1260-2 | yogesh | 8/5/2025 7:23:21 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |
| AR1660ICC050 | PP074172.D | AR-1260-2 | yogesh | 8/5/2025 7:22:19 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |
| AR1660ICC050 | PP074172.D | AR-1260-2 #2 | yogesh | 8/5/2025 7:22:19 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |
| AR1660ICC050 | PP074172.D | AR-1260-4 | yogesh | 8/5/2025 7:22:19 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |
| AR1660ICC050 | PP074172.D | Tetrachloro-m-xylene | yogesh | 8/5/2025 7:22:19 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |
| AR1660ICC050 | PP074172.D | Tetrachloro-m-xylene #2 | yogesh | 8/5/2025 7:22:19 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |
| AR1232ICC500 | PP074174.D | AR-1232-4 #2 | yogesh | 8/5/2025 7:22:20 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |
| AR1242ICC1000 | PP074175.D | AR-1242-4 #2 | yogesh | 8/5/2025 7:22:22 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |
| AR1242ICC750 | PP074176.D | AR-1242-4 #2 | yogesh | 8/5/2025 7:22:24 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |
| AR1242ICC500 | PP074177.D | AR-1242-4 #2 | yogesh | 8/5/2025 7:22:27 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |
| AR1242ICC250 | PP074178.D | AR-1242-4 #2 | yogesh | 8/5/2025 7:22:29 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PP080125 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1242ICC250 | PP074178.D | AR-1242-5 | yogesh | 8/5/2025 7:22:29 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |
| AR1242ICC050 | PP074179.D | AR-1242-5 | yogesh | 8/5/2025 7:22:32 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |
| AR1242ICC050 | PP074179.D | Tetrachloro-m-xylene | yogesh | 8/5/2025 7:22:32 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |
| AR1242ICC050 | PP074179.D | Tetrachloro-m-xylene #2 | yogesh | 8/5/2025 7:22:32 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |
| AR1248ICC500 | PP074182.D | AR-1248-3 #2 | yogesh | 8/5/2025 7:22:38 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |
| AR1254ICC1000 | PP074185.D | AR-1254-1 | yogesh | 8/5/2025 7:22:44 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |
| AR1254ICC1000 | PP074185.D | AR-1254-5 #2 | yogesh | 8/5/2025 7:22:44 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |
| AR1254ICC750 | PP074186.D | AR-1254-1 | yogesh | 8/5/2025 7:22:45 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |
| AR1254ICC500 | PP074187.D | AR-1254-1 | yogesh | 8/5/2025 7:22:47 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |
| AR1254ICC250 | PP074188.D | AR-1254-1 | yogesh | 8/5/2025 7:22:49 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |
| AR1254ICC050 | PP074189.D | AR-1254-1 | yogesh | 8/5/2025 7:22:51 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |
| AR1242ICV500 | PP074197.D | AR-1242-4 #2 | yogesh | 8/5/2025 7:22:52 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |
| AR1248ICV500 | PP074198.D | AR-1248-3 #2 | yogesh | 8/5/2025 7:22:54 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PP080125 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1254ICV500 | PP074199.D | AR-1254-1 | yogesh | 8/8/2025 7:32:21 AM | mohammad | 8/8/2025 7:37:53 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PP081225 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1242CCC500 | PP074303.D | AR-1242-3 #2 | yogesh | 8/13/2025 7:35:08 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| AR1242CCC500 | PP074303.D | AR-1242-4 #2 | yogesh | 8/13/2025 7:35:08 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| AR1254CCC500 | PP074304.D | AR-1254-1 | yogesh | 8/13/2025 7:35:10 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| AR1254CCC500 | PP074304.D | AR-1254-1 #2 | yogesh | 8/13/2025 7:35:10 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| AR1254CCC500 | PP074304.D | AR-1254-3 #2 | yogesh | 8/13/2025 7:35:10 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| PB169205BS | PP074309.D | AR-1260-4 | yogesh | 8/13/2025 7:35:14 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| Q2830-01MS | PP074311.D | AR-1260-4 | yogesh | 8/13/2025 7:35:18 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| Q2830-01MS | PP074311.D | Tetrachloro-m-xylene | yogesh | 8/13/2025 7:35:18 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| Q2830-01MSD | PP074312.D | AR-1260-4 | yogesh | 8/13/2025 7:35:19 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| Q2830-01MSD | PP074312.D | Decachlorobiphenyl | yogesh | 8/13/2025 7:35:19 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| Q2830-01MSD | PP074312.D | Tetrachloro-m-xylene | yogesh | 8/13/2025 7:35:19 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| AR1660CCC500 | PP074316.D | AR-1016-2 #2 | yogesh | 8/13/2025 7:35:23 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| AR1660CCC500 | PP074316.D | AR-1016-5 #2 | yogesh | 8/13/2025 7:35:23 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PP081225 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1660CCC500 | PP074316.D | Tetrachloro-m-xylene #2 | yogesh | 8/13/2025 7:35:23 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| AR1242CCC500 | PP074317.D | AR-1242-2 #2 | yogesh | 8/13/2025 7:35:24 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| AR1242CCC500 | PP074317.D | AR-1242-3 #2 | yogesh | 8/13/2025 7:35:24 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| AR1242CCC500 | PP074317.D | AR-1242-4 #2 | yogesh | 8/13/2025 7:35:24 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| AR1254CCC500 | PP074318.D | AR-1254-1 | yogesh | 8/13/2025 7:35:26 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| AR1254CCC500 | PP074318.D | AR-1254-1 #2 | yogesh | 8/13/2025 7:35:26 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| AR1254CCC500 | PP074318.D | AR-1254-2 #2 | yogesh | 8/13/2025 7:35:26 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| AR1254CCC500 | PP074318.D | AR-1254-3 #2 | yogesh | 8/13/2025 7:35:26 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| AR1254CCC500 | PP074318.D | AR-1254-4 #2 | yogesh | 8/13/2025 7:35:26 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| AR1254CCC500 | PP074318.D | AR-1254-5 #2 | yogesh | 8/13/2025 7:35:26 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| AR1242CCC500 | PP074330.D | AR-1242-2 #2 | yogesh | 8/13/2025 7:35:40 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| AR1242CCC500 | PP074330.D | AR-1242-3 #2 | yogesh | 8/13/2025 7:35:40 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| AR1242CCC500 | PP074330.D | AR-1242-4 #2 | yogesh | 8/13/2025 7:35:40 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PP081225 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1254CCC500 | PP074331.D | AR-1254-1 | yogesh | 8/13/2025 7:35:42 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| AR1254CCC500 | PP074331.D | AR-1254-2 #2 | yogesh | 8/13/2025 7:35:42 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| AR1254CCC500 | PP074331.D | AR-1254-3 #2 | yogesh | 8/13/2025 7:35:42 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| AR1254CCC500 | PP074331.D | AR-1254-4 #2 | yogesh | 8/13/2025 7:35:42 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |
| AR1254CCC500 | PP074331.D | AR-1254-5 #2 | yogesh | 8/13/2025 7:35:42 AM | mohammad | 8/14/2025 1:21:51 | Peak Integrated by Software |

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Fax : 908 789 8922

**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO072325

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 7/23/2025 3:39:31 PM | | |
| Supervise By | mohammad | Supervise On | 7/25/2025 3:53:10 AM | | |
| SubDirectory | PO072325 | HP Acquire Method | | HP Processing Method | PO072325 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PO112412.D | 23 Jul 2025 10:56 | YP/AJ | Ok |
| 2 | I.BLK | PO112413.D | 23 Jul 2025 11:14 | YP/AJ | Ok |
| 3 | AR1660ICC1000 | PO112414.D | 23 Jul 2025 11:32 | YP/AJ | Ok |
| 4 | AR1660ICC750 | PO112415.D | 23 Jul 2025 11:50 | YP/AJ | Ok |
| 5 | AR1660ICC500 | PO112416.D | 23 Jul 2025 12:08 | YP/AJ | Ok |
| 6 | AR1660ICC250 | PO112417.D | 23 Jul 2025 12:27 | YP/AJ | Ok,M |
| 7 | AR1660ICC050 | PO112418.D | 23 Jul 2025 12:45 | YP/AJ | Ok,M |
| 8 | AR1221ICC500 | PO112419.D | 23 Jul 2025 13:03 | YP/AJ | Ok |
| 9 | AR1232ICC500 | PO112420.D | 23 Jul 2025 13:22 | YP/AJ | Ok |
| 10 | AR1242ICC1000 | PO112421.D | 23 Jul 2025 13:40 | YP/AJ | Ok |
| 11 | AR1242ICC750 | PO112422.D | 23 Jul 2025 13:59 | YP/AJ | Ok |
| 12 | AR1242ICC500 | PO112423.D | 23 Jul 2025 14:17 | YP/AJ | Ok |
| 13 | AR1242ICC250 | PO112424.D | 23 Jul 2025 14:36 | YP/AJ | Ok,M |
| 14 | AR1242ICC050 | PO112425.D | 23 Jul 2025 14:54 | YP/AJ | Ok,M |
| 15 | AR1248ICC1000 | PO112426.D | 23 Jul 2025 15:13 | YP/AJ | Ok |
| 16 | AR1248ICC750 | PO112427.D | 23 Jul 2025 15:31 | YP/AJ | Ok |
| 17 | AR1248ICC500 | PO112428.D | 23 Jul 2025 15:48 | YP/AJ | Ok |
| 18 | AR1248ICC250 | PO112429.D | 23 Jul 2025 16:07 | YP/AJ | Ok |
| 19 | AR1248ICC050 | PO112430.D | 23 Jul 2025 16:25 | YP/AJ | Ok,M |
| 20 | AR1254ICC1000 | PO112431.D | 23 Jul 2025 16:44 | YP/AJ | Ok |
| 21 | AR1254ICC750 | PO112432.D | 23 Jul 2025 17:02 | YP/AJ | Ok |

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO072325

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 7/23/2025 3:39:31 PM | | |
| Supervise By | mohammad | Supervise On | 7/25/2025 3:53:10 AM | | |
| SubDirectory | PO072325 | HP Acquire Method | | HP Processing Method | PO072325 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | AR1254ICC500 | PO112433.D | 23 Jul 2025 17:21 | YP/AJ | Ok |
| 23 | AR1254ICC250 | PO112434.D | 23 Jul 2025 17:39 | YP/AJ | Ok |
| 24 | AR1254ICC050 | PO112435.D | 23 Jul 2025 17:57 | YP/AJ | Ok,M |
| 25 | AR1262ICC500 | PO112436.D | 23 Jul 2025 18:16 | YP/AJ | Ok |
| 26 | AR1268ICC1000 | PO112437.D | 23 Jul 2025 18:34 | YP/AJ | Ok |
| 27 | AR1268ICC750 | PO112438.D | 23 Jul 2025 18:53 | YP/AJ | Ok |
| 28 | AR1268ICC500 | PO112439.D | 23 Jul 2025 19:11 | YP/AJ | Ok |
| 29 | AR1268ICC250 | PO112440.D | 23 Jul 2025 19:28 | YP/AJ | Ok |
| 30 | AR1268ICC050 | PO112441.D | 23 Jul 2025 19:47 | YP/AJ | Ok |
| 31 | PO072325ICV500 | PO112442.D | 23 Jul 2025 20:05 | YP/AJ | Ok |
| 32 | AR1242ICV500 | PO112443.D | 23 Jul 2025 20:42 | YP/AJ | Ok |
| 33 | AR1248ICV500 | PO112444.D | 23 Jul 2025 21:18 | YP/AJ | Ok |
| 34 | AR1254ICV500 | PO112445.D | 23 Jul 2025 21:54 | YP/AJ | Ok |
| 35 | AR1268ICV500 | PO112446.D | 23 Jul 2025 22:31 | YP/AJ | Ok |
| 36 | DDT ANALOG | PO112447.D | 23 Jul 2025 23:07 | YP/AJ | Ok |

M : Manual Integration

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO081225

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/12/2025 10:12:49 AM | | |
| Supervise By | mohammad | Supervise On | 8/14/2025 1:21:40 AM | | |
| SubDirectory | PO081225 | HP Acquire Method | | HP Processing Method | PO072325 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PO112849.D | 12 Aug 2025 08:35 | YP/AJ | Ok |
| 2 | AR1660CCC500 | PO112850.D | 12 Aug 2025 08:54 | YP/AJ | Ok,M |
| 3 | AR1242CCC500 | PO112851.D | 12 Aug 2025 09:12 | YP/AJ | Ok,M |
| 4 | AR1248CCC500 | PO112852.D | 12 Aug 2025 09:29 | YP/AJ | Ok,M |
| 5 | AR1254CCC500 | PO112853.D | 12 Aug 2025 09:48 | YP/AJ | Ok |
| 6 | I.BLK | PO112854.D | 12 Aug 2025 10:05 | YP/AJ | Ok |
| 7 | DDT ANALOG | PO112855.D | 12 Aug 2025 10:24 | YP/AJ | Ok |
| 8 | Q2808-01DL | PO112856.D | 12 Aug 2025 10:42 | YP/AJ | Ok,M |
| 9 | Q2807-02 | PO112857.D | 12 Aug 2025 11:01 | YP/AJ | Ok |
| 10 | Q2818-01 | PO112858.D | 12 Aug 2025 12:50 | YP/AJ | Ok,M |
| 11 | Q2818-02 | PO112859.D | 12 Aug 2025 13:08 | YP/AJ | Ok |
| 12 | Q2819-06 | PO112860.D | 12 Aug 2025 13:26 | YP/AJ | Ok |
| 13 | Q2819-11 | PO112861.D | 12 Aug 2025 13:43 | YP/AJ | Ok |
| 14 | Q2819-14 | PO112862.D | 12 Aug 2025 14:01 | YP/AJ | Ok |
| 15 | Q2820-09 | PO112863.D | 12 Aug 2025 14:20 | YP/AJ | ReRun |
| 16 | Q2820-10 | PO112864.D | 12 Aug 2025 14:38 | YP/AJ | Ok |
| 17 | AR1660CCC500 | PO112865.D | 12 Aug 2025 15:50 | YP/AJ | Ok,M |
| 18 | AR1242CCC500 | PO112866.D | 12 Aug 2025 16:07 | YP/AJ | Ok,M |
| 19 | AR1248CCC500 | PO112867.D | 12 Aug 2025 16:25 | YP/AJ | Ok |
| 20 | AR1254CCC500 | PO112868.D | 12 Aug 2025 16:42 | YP/AJ | Ok |
| 21 | I.BLK | PO112869.D | 12 Aug 2025 17:00 | YP/AJ | Ok |

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO081225

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/12/2025 10:12:49 AM | | |
| Supervise By | mohammad | Supervise On | 8/14/2025 1:21:40 AM | | |
| SubDirectory | PO081225 | HP Acquire Method | | HP Processing Method | PO072325 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q2820-24 | PO112870.D | 12 Aug 2025 17:19 | YP/AJ | Ok |
| 23 | Q2823-01 | PO112871.D | 12 Aug 2025 17:37 | YP/AJ | Ok,M |
| 24 | Q2826-01 | PO112872.D | 12 Aug 2025 17:56 | YP/AJ | Ok |
| 25 | Q2827-01 | PO112873.D | 12 Aug 2025 18:14 | YP/AJ | Dilution |
| 26 | Q2827-05 | PO112874.D | 12 Aug 2025 18:31 | YP/AJ | Ok |
| 27 | Q2830-03 | PO112875.D | 12 Aug 2025 18:49 | YP/AJ | Ok |
| 28 | Q2839-01 | PO112876.D | 12 Aug 2025 19:06 | YP/AJ | Ok,M |
| 29 | Q2839-02 | PO112877.D | 12 Aug 2025 19:24 | YP/AJ | Ok,M |
| 30 | Q2839-03 | PO112878.D | 12 Aug 2025 19:42 | YP/AJ | Ok |
| 31 | Q2839-04 | PO112879.D | 12 Aug 2025 19:59 | YP/AJ | Ok,M |
| 32 | AR1660CCC500 | PO112880.D | 12 Aug 2025 21:09 | YP/AJ | Ok,M |
| 33 | AR1242CCC500 | PO112881.D | 12 Aug 2025 22:02 | YP/AJ | Ok,M |
| 34 | AR1248CCC500 | PO112882.D | 12 Aug 2025 22:21 | YP/AJ | Ok |
| 35 | AR1254CCC500 | PO112883.D | 12 Aug 2025 22:38 | YP/AJ | Ok |
| 36 | I.BLK | PO112884.D | 12 Aug 2025 22:56 | YP/AJ | Ok |
| 37 | Q2839-05 | PO112885.D | 12 Aug 2025 23:15 | YP/AJ | Ok |
| 38 | Q2839-06 | PO112886.D | 12 Aug 2025 23:33 | YP/AJ | Ok |
| 39 | Q2839-07 | PO112887.D | 12 Aug 2025 23:51 | YP/AJ | Ok,M |
| 40 | Q2839-08 | PO112888.D | 13 Aug 2025 00:09 | YP/AJ | Ok,M |
| 41 | Q2839-09 | PO112889.D | 13 Aug 2025 00:27 | YP/AJ | Ok |
| 42 | AR1660CCC500 | PO112890.D | 13 Aug 2025 01:41 | YP/AJ | Ok,M |
| 43 | AR1242CCC500 | PO112891.D | 13 Aug 2025 02:34 | YP/AJ | Ok,M |
| 44 | AR1248CCC500 | PO112892.D | 13 Aug 2025 02:52 | YP/AJ | Ok |

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO081225

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/12/2025 10:12:49 AM | | |
| Supervise By | mohammad | Supervise On | 8/14/2025 1:21:40 AM | | |
| SubDirectory | PO081225 | HP Acquire Method | | HP Processing Method | PO072325 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 45 | AR1254CCC500 | PO112893.D | 13 Aug 2025 03:11 | YP/AJ | Ok,M |
| 46 | I.BLK | PO112894.D | 13 Aug 2025 03:29 | YP/AJ | Ok |

M : Manual Integration

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP080125

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/1/2025 3:30:36 PM | | |
| Supervise By | mohammad | Supervise On | 8/8/2025 7:37:53 AM | | |
| SubDirectory | PP080125 | HP Acquire Method | | HP Processing Method | PP080125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PP074166.D | 01 Aug 2025 11:33 | YP\AJ | Ok |
| 2 | I.BLK | PP074167.D | 01 Aug 2025 11:49 | YP\AJ | Ok |
| 3 | AR1660ICC1000 | PP074168.D | 01 Aug 2025 12:05 | YP\AJ | Ok |
| 4 | AR1660ICC750 | PP074169.D | 01 Aug 2025 12:22 | YP\AJ | Ok |
| 5 | AR1660ICC500 | PP074170.D | 01 Aug 2025 12:38 | YP\AJ | Ok |
| 6 | AR1660ICC250 | PP074171.D | 01 Aug 2025 12:54 | YP\AJ | Ok,M |
| 7 | AR1660ICC050 | PP074172.D | 01 Aug 2025 13:42 | YP\AJ | Ok,M |
| 8 | AR1221ICC500 | PP074173.D | 01 Aug 2025 13:58 | YP\AJ | Ok |
| 9 | AR1232ICC500 | PP074174.D | 01 Aug 2025 14:15 | YP\AJ | Ok,M |
| 10 | AR1242ICC1000 | PP074175.D | 01 Aug 2025 14:31 | YP\AJ | Ok,M |
| 11 | AR1242ICC750 | PP074176.D | 01 Aug 2025 14:47 | YP\AJ | Ok,M |
| 12 | AR1242ICC500 | PP074177.D | 01 Aug 2025 15:03 | YP\AJ | Ok,M |
| 13 | AR1242ICC250 | PP074178.D | 01 Aug 2025 15:19 | YP\AJ | Ok,M |
| 14 | AR1242ICC050 | PP074179.D | 01 Aug 2025 15:36 | YP\AJ | Ok,M |
| 15 | AR1248ICC1000 | PP074180.D | 01 Aug 2025 16:24 | YP\AJ | Not Ok |
| 16 | AR1248ICC750 | PP074181.D | 01 Aug 2025 16:41 | YP\AJ | Not Ok |
| 17 | AR1248ICC500 | PP074182.D | 01 Aug 2025 16:57 | YP\AJ | Ok,M |
| 18 | AR1248ICC250 | PP074183.D | 01 Aug 2025 17:13 | YP\AJ | Not Ok |
| 19 | AR1248ICC050 | PP074184.D | 01 Aug 2025 17:45 | YP\AJ | Not Ok |
| 20 | AR1254ICC1000 | PP074185.D | 01 Aug 2025 18:02 | YP\AJ | Ok,M |
| 21 | AR1254ICC750 | PP074186.D | 01 Aug 2025 18:18 | YP\AJ | Ok,M |

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP080125

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/1/2025 3:30:36 PM | | |
| Supervise By | mohammad | Supervise On | 8/8/2025 7:37:53 AM | | |
| SubDirectory | PP080125 | HP Acquire Method | | HP Processing Method | PP080125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | AR1254ICC500 | PP074187.D | 01 Aug 2025 18:34 | YP\AJ | Ok,M |
| 23 | AR1254ICC250 | PP074188.D | 01 Aug 2025 18:50 | YP\AJ | Ok,M |
| 24 | AR1254ICC050 | PP074189.D | 01 Aug 2025 19:23 | YP\AJ | Ok,M |
| 25 | AR1262ICC500 | PP074190.D | 01 Aug 2025 19:39 | YP\AJ | Ok |
| 26 | AR1268ICC1000 | PP074191.D | 01 Aug 2025 19:55 | YP\AJ | Not Ok |
| 27 | AR1268ICC750 | PP074192.D | 01 Aug 2025 20:11 | YP\AJ | Not Ok |
| 28 | AR1268ICC500 | PP074193.D | 01 Aug 2025 20:28 | YP\AJ | Ok |
| 29 | AR1268ICC250 | PP074194.D | 01 Aug 2025 20:44 | YP\AJ | Not Ok |
| 30 | AR1268ICC050 | PP074195.D | 01 Aug 2025 21:00 | YP\AJ | Not Ok |
| 31 | PP080125ICV500 | PP074196.D | 01 Aug 2025 21:16 | YP\AJ | Ok |
| 32 | AR1242ICV500 | PP074197.D | 01 Aug 2025 22:05 | YP\AJ | Ok,M |
| 33 | AR1248ICV500 | PP074198.D | 01 Aug 2025 22:37 | YP\AJ | Not Ok |
| 34 | AR1254ICV500 | PP074199.D | 01 Aug 2025 23:10 | YP\AJ | Ok,M |
| 35 | AR1268ICV500 | PP074200.D | 01 Aug 2025 23:42 | YP\AJ | Not Ok |
| 36 | DDT ANALOG | PP074201.D | 02 Aug 2025 00:15 | YP\AJ | Ok |

M : Manual Integration

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP081225

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/12/2025 10:13:41 AM | | |
| Supervise By | mohammad | Supervise On | 8/14/2025 1:21:51 AM | | |
| SubDirectory | PP081225 | HP Acquire Method | | HP Processing Method | PP080125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PP074301.D | 12 Aug 2025 09:35 | YP\AJ | Ok |
| 2 | AR1660CCC500 | PP074302.D | 12 Aug 2025 09:51 | YP\AJ | Ok |
| 3 | AR1242CCC500 | PP074303.D | 12 Aug 2025 10:11 | YP\AJ | Ok,M |
| 4 | AR1254CCC500 | PP074304.D | 12 Aug 2025 10:27 | YP\AJ | Ok,M |
| 5 | I.BLK | PP074305.D | 12 Aug 2025 10:43 | YP\AJ | Ok |
| 6 | DDT ANALOG | PP074306.D | 12 Aug 2025 10:59 | YP\AJ | Ok |
| 7 | PP24799 | PP074307.D | 12 Aug 2025 11:16 | YP\AJ | Ok,M |
| 8 | PB169205BL | PP074308.D | 12 Aug 2025 12:48 | YP\AJ | Ok |
| 9 | PB169205BS | PP074309.D | 12 Aug 2025 13:05 | YP\AJ | Ok,M |
| 10 | Q2830-01 | PP074310.D | 12 Aug 2025 13:21 | YP\AJ | Ok,M |
| 11 | Q2830-01MS | PP074311.D | 12 Aug 2025 13:37 | YP\AJ | Ok,M |
| 12 | Q2830-01MSD | PP074312.D | 12 Aug 2025 13:53 | YP\AJ | Ok,M |
| 13 | Q2830-05 | PP074313.D | 12 Aug 2025 14:10 | YP\AJ | Ok |
| 14 | Q2830-07 | PP074314.D | 12 Aug 2025 14:26 | YP\AJ | Ok,M |
| 15 | Q2831-01 | PP074315.D | 12 Aug 2025 14:42 | YP\AJ | Ok |
| 16 | AR1660CCC500 | PP074316.D | 12 Aug 2025 15:48 | YP\AJ | Ok,M |
| 17 | AR1242CCC500 | PP074317.D | 12 Aug 2025 16:20 | YP\AJ | Ok,M |
| 18 | AR1254CCC500 | PP074318.D | 12 Aug 2025 16:37 | YP\AJ | Ok,M |
| 19 | I.BLK | PP074319.D | 12 Aug 2025 16:53 | YP\AJ | Ok |
| 20 | PB169220BL | PP074320.D | 12 Aug 2025 17:26 | YP\AJ | Ok |
| 21 | PB169220BS | PP074321.D | 12 Aug 2025 17:42 | YP\AJ | Ok |

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP081225

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/12/2025 10:13:41 AM | | |
| Supervise By | mohammad | Supervise On | 8/14/2025 1:21:51 AM | | |
| SubDirectory | PP081225 | HP Acquire Method | | HP Processing Method | PP080125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q2839-10 | PP074322.D | 12 Aug 2025 17:58 | YP\AJ | Ok,M |
| 23 | Q2839-11 | PP074323.D | 12 Aug 2025 18:14 | YP\AJ | Ok,M |
| 24 | Q2839-12 | PP074324.D | 12 Aug 2025 18:31 | YP\AJ | Ok,M |
| 25 | Q2839-13 | PP074325.D | 12 Aug 2025 18:47 | YP\AJ | Ok,M |
| 26 | Q2839-14 | PP074326.D | 12 Aug 2025 19:03 | YP\AJ | Ok,M |
| 27 | Q2839-15 | PP074327.D | 12 Aug 2025 19:20 | YP\AJ | Ok,M |
| 28 | Q2839-16 | PP074328.D | 12 Aug 2025 19:36 | YP\AJ | Ok,M |
| 29 | AR1660CCC500 | PP074329.D | 12 Aug 2025 20:41 | YP\AJ | Ok |
| 30 | AR1242CCC500 | PP074330.D | 12 Aug 2025 21:30 | YP\AJ | Ok,M |
| 31 | AR1254CCC500 | PP074331.D | 12 Aug 2025 21:46 | YP\AJ | Ok,M |
| 32 | I.BLK | PP074332.D | 12 Aug 2025 22:02 | YP\AJ | Ok |

M : Manual Integration

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO072325

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 7/23/2025 3:39:31 PM | | |
| Supervise By | mohammad | Supervise On | 7/25/2025 3:53:10 AM | | |
| SubDirectory | PO072325 | HP Acquire Method | | HP Processing Method | PO072325 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PO112412.D | 23 Jul 2025 10:56 | | YP/AJ | Ok |
| 2 | I.BLK | I.BLK | PO112413.D | 23 Jul 2025 11:14 | | YP/AJ | Ok |
| 3 | AR1660ICC1000 | AR1660ICC1000 | PO112414.D | 23 Jul 2025 11:32 | | YP/AJ | Ok |
| 4 | AR1660ICC750 | AR1660ICC750 | PO112415.D | 23 Jul 2025 11:50 | | YP/AJ | Ok |
| 5 | AR1660ICC500 | AR1660ICC500 | PO112416.D | 23 Jul 2025 12:08 | | YP/AJ | Ok |
| 6 | AR1660ICC250 | AR1660ICC250 | PO112417.D | 23 Jul 2025 12:27 | | YP/AJ | Ok,M |
| 7 | AR1660ICC050 | AR1660ICC050 | PO112418.D | 23 Jul 2025 12:45 | | YP/AJ | Ok,M |
| 8 | AR1221ICC500 | AR1221ICC500 | PO112419.D | 23 Jul 2025 13:03 | | YP/AJ | Ok |
| 9 | AR1232ICC500 | AR1232ICC500 | PO112420.D | 23 Jul 2025 13:22 | | YP/AJ | Ok |
| 10 | AR1242ICC1000 | AR1242ICC1000 | PO112421.D | 23 Jul 2025 13:40 | | YP/AJ | Ok |
| 11 | AR1242ICC750 | AR1242ICC750 | PO112422.D | 23 Jul 2025 13:59 | | YP/AJ | Ok |
| 12 | AR1242ICC500 | AR1242ICC500 | PO112423.D | 23 Jul 2025 14:17 | | YP/AJ | Ok |
| 13 | AR1242ICC250 | AR1242ICC250 | PO112424.D | 23 Jul 2025 14:36 | | YP/AJ | Ok,M |
| 14 | AR1242ICC050 | AR1242ICC050 | PO112425.D | 23 Jul 2025 14:54 | | YP/AJ | Ok,M |
| 15 | AR1248ICC1000 | AR1248ICC1000 | PO112426.D | 23 Jul 2025 15:13 | | YP/AJ | Ok |
| 16 | AR1248ICC750 | AR1248ICC750 | PO112427.D | 23 Jul 2025 15:31 | | YP/AJ | Ok |
| 17 | AR1248ICC500 | AR1248ICC500 | PO112428.D | 23 Jul 2025 15:48 | | YP/AJ | Ok |
| 18 | AR1248ICC250 | AR1248ICC250 | PO112429.D | 23 Jul 2025 16:07 | | YP/AJ | Ok |

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO072325

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 7/23/2025 3:39:31 PM | | |
| Supervise By | mohammad | Supervise On | 7/25/2025 3:53:10 AM | | |
| SubDirectory | PO072325 | HP Acquire Method | | HP Processing Method | PO072325 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | AR1248ICC050 | AR1248ICC050 | PO112430.D | 23 Jul 2025 16:25 | | YP/AJ | Ok,M |
| 20 | AR1254ICC1000 | AR1254ICC1000 | PO112431.D | 23 Jul 2025 16:44 | | YP/AJ | Ok |
| 21 | AR1254ICC750 | AR1254ICC750 | PO112432.D | 23 Jul 2025 17:02 | | YP/AJ | Ok |
| 22 | AR1254ICC500 | AR1254ICC500 | PO112433.D | 23 Jul 2025 17:21 | | YP/AJ | Ok |
| 23 | AR1254ICC250 | AR1254ICC250 | PO112434.D | 23 Jul 2025 17:39 | | YP/AJ | Ok |
| 24 | AR1254ICC050 | AR1254ICC050 | PO112435.D | 23 Jul 2025 17:57 | | YP/AJ | Ok,M |
| 25 | AR1262ICC500 | AR1262ICC500 | PO112436.D | 23 Jul 2025 18:16 | | YP/AJ | Ok |
| 26 | AR1268ICC1000 | AR1268ICC1000 | PO112437.D | 23 Jul 2025 18:34 | | YP/AJ | Ok |
| 27 | AR1268ICC750 | AR1268ICC750 | PO112438.D | 23 Jul 2025 18:53 | | YP/AJ | Ok |
| 28 | AR1268ICC500 | AR1268ICC500 | PO112439.D | 23 Jul 2025 19:11 | | YP/AJ | Ok |
| 29 | AR1268ICC250 | AR1268ICC250 | PO112440.D | 23 Jul 2025 19:28 | | YP/AJ | Ok |
| 30 | AR1268ICC050 | AR1268ICC050 | PO112441.D | 23 Jul 2025 19:47 | | YP/AJ | Ok |
| 31 | PO072325ICV500 | ICVPO072325 | PO112442.D | 23 Jul 2025 20:05 | | YP/AJ | Ok |
| 32 | AR1242ICV500 | ICVPO072325AR1242 | PO112443.D | 23 Jul 2025 20:42 | | YP/AJ | Ok |
| 33 | AR1248ICV500 | ICVPO072325AR1248 | PO112444.D | 23 Jul 2025 21:18 | | YP/AJ | Ok |
| 34 | AR1254ICV500 | ICVPO072325AR1254 | PO112445.D | 23 Jul 2025 21:54 | | YP/AJ | Ok |
| 35 | AR1268ICV500 | ICVPO072325AR1268 | PO112446.D | 23 Jul 2025 22:31 | | YP/AJ | Ok |
| 36 | DDT ANALOG | DDT ANALOG | PO112447.D | 23 Jul 2025 23:07 | | YP/AJ | Ok |

M : Manual Integration

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO081225

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/12/2025 10:12:49 AM | | |
| Supervise By | mohammad | Supervise On | 8/14/2025 1:21:40 AM | | |
| SubDirectory | PO081225 | HP Acquire Method | | HP Processing Method | PO072325 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PO112849.D | 12 Aug 2025 08:35 | | YP/AJ | Ok |
| 2 | AR1660CCC500 | AR1660CCC500 | PO112850.D | 12 Aug 2025 08:54 | | YP/AJ | Ok,M |
| 3 | AR1242CCC500 | AR1242CCC500 | PO112851.D | 12 Aug 2025 09:12 | | YP/AJ | Ok,M |
| 4 | AR1248CCC500 | AR1248CCC500 | PO112852.D | 12 Aug 2025 09:29 | | YP/AJ | Ok,M |
| 5 | AR1254CCC500 | AR1254CCC500 | PO112853.D | 12 Aug 2025 09:48 | | YP/AJ | Ok |
| 6 | I.BLK | I.BLK | PO112854.D | 12 Aug 2025 10:05 | | YP/AJ | Ok |
| 7 | DDT ANALOG | DDT ANALOG | PO112855.D | 12 Aug 2025 10:24 | | YP/AJ | Ok |
| 8 | Q2808-01DL | TP-7DL | PO112856.D | 12 Aug 2025 10:42 | AR1242 + 1254 Hit | YP/AJ | Ok,M |
| 9 | Q2807-02 | COMP-5 | PO112857.D | 12 Aug 2025 11:01 | | YP/AJ | Ok |
| 10 | Q2818-01 | B-2-5-1 | PO112858.D | 12 Aug 2025 12:50 | | YP/AJ | Ok,M |
| 11 | Q2818-02 | B-3-5-2 | PO112859.D | 12 Aug 2025 13:08 | | YP/AJ | Ok |
| 12 | Q2819-06 | 11M-S | PO112860.D | 12 Aug 2025 13:26 | | YP/AJ | Ok |
| 13 | Q2819-11 | 84SB-W | PO112861.D | 12 Aug 2025 13:43 | DCB low in 1ST column | YP/AJ | Ok |
| 14 | Q2819-14 | 17M-W | PO112862.D | 12 Aug 2025 14:01 | | YP/AJ | Ok |
| 15 | Q2820-09 | 705R-S | PO112863.D | 12 Aug 2025 14:20 | DCB low both column | YP/AJ | ReRun |
| 16 | Q2820-10 | SOIL-DUP-2 | PO112864.D | 12 Aug 2025 14:38 | | YP/AJ | Ok |
| 17 | AR1660CCC500 | AR1660CCC500 | PO112865.D | 12 Aug 2025 15:50 | | YP/AJ | Ok,M |
| 18 | AR1242CCC500 | AR1242CCC500 | PO112866.D | 12 Aug 2025 16:07 | | YP/AJ | Ok,M |

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO081225

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/12/2025 10:12:49 AM | | |
| Supervise By | mohammad | Supervise On | 8/14/2025 1:21:40 AM | | |
| SubDirectory | PO081225 | HP Acquire Method | | HP Processing Method | PO072325 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | AR1248CCC500 | AR1248CCC500 | PO112867.D | 12 Aug 2025 16:25 | | YP/AJ | Ok |
| 20 | AR1254CCC500 | AR1254CCC500 | PO112868.D | 12 Aug 2025 16:42 | TCMX high in 1st column | YP/AJ | Ok |
| 21 | I.BLK | I.BLK | PO112869.D | 12 Aug 2025 17:00 | | YP/AJ | Ok |
| 22 | Q2820-24 | 22M-S | PO112870.D | 12 Aug 2025 17:19 | | YP/AJ | Ok |
| 23 | Q2823-01 | SU-04-081125 | PO112871.D | 12 Aug 2025 17:37 | | YP/AJ | Ok,M |
| 24 | Q2826-01 | WC1 | PO112872.D | 12 Aug 2025 17:56 | AR1254 Hit | YP/AJ | Ok |
| 25 | Q2827-01 | TP-8 | PO112873.D | 12 Aug 2025 18:14 | AR1248 & AR1260 Hit , Need 2x dilution | YP/AJ | Dilution |
| 26 | Q2827-05 | TP-9 | PO112874.D | 12 Aug 2025 18:31 | AR1260 Hit | YP/AJ | Ok |
| 27 | Q2830-03 | BIN0009-DRIVEWAY-T | PO112875.D | 12 Aug 2025 18:49 | DCB high in 2nd column | YP/AJ | Ok |
| 28 | Q2839-01 | BC274436-1-1 | PO112876.D | 12 Aug 2025 19:06 | | YP/AJ | Ok,M |
| 29 | Q2839-02 | BC274436-1-2 | PO112877.D | 12 Aug 2025 19:24 | | YP/AJ | Ok,M |
| 30 | Q2839-03 | BC151973-1-1 | PO112878.D | 12 Aug 2025 19:42 | | YP/AJ | Ok |
| 31 | Q2839-04 | BC151973-1-2 | PO112879.D | 12 Aug 2025 19:59 | AR1254 Hit | YP/AJ | Ok,M |
| 32 | AR1660CCC500 | AR1660CCC500 | PO112880.D | 12 Aug 2025 21:09 | | YP/AJ | Ok,M |
| 33 | AR1242CCC500 | AR1242CCC500 | PO112881.D | 12 Aug 2025 22:02 | | YP/AJ | Ok,M |
| 34 | AR1248CCC500 | AR1248CCC500 | PO112882.D | 12 Aug 2025 22:21 | | YP/AJ | Ok |
| 35 | AR1254CCC500 | AR1254CCC500 | PO112883.D | 12 Aug 2025 22:38 | TCMX high in 1st column | YP/AJ | Ok |
| 36 | I.BLK | I.BLK | PO112884.D | 12 Aug 2025 22:56 | | YP/AJ | Ok |
| 37 | Q2839-05 | BC271336-1-1 | PO112885.D | 12 Aug 2025 23:15 | | YP/AJ | Ok |

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO081225

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/12/2025 10:12:49 AM | | |
| Supervise By | mohammad | Supervise On | 8/14/2025 1:21:40 AM | | |
| SubDirectory | PO081225 | HP Acquire Method | | HP Processing Method | PO072325 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 38 | Q2839-06 | BC271336-1-2 | PO112886.D | 12 Aug 2025 23:33 | | YP/AJ | Ok |
| 39 | Q2839-07 | BC271242-1-1 | PO112887.D | 12 Aug 2025 23:51 | AR1254 Hit | YP/AJ | Ok,M |
| 40 | Q2839-08 | BC271242-1-2 | PO112888.D | 13 Aug 2025 00:09 | | YP/AJ | Ok,M |
| 41 | Q2839-09 | BC271242-2-1 | PO112889.D | 13 Aug 2025 00:27 | | YP/AJ | Ok |
| 42 | AR1660CCC500 | AR1660CCC500 | PO112890.D | 13 Aug 2025 01:41 | | YP/AJ | Ok,M |
| 43 | AR1242CCC500 | AR1242CCC500 | PO112891.D | 13 Aug 2025 02:34 | | YP/AJ | Ok,M |
| 44 | AR1248CCC500 | AR1248CCC500 | PO112892.D | 13 Aug 2025 02:52 | | YP/AJ | Ok |
| 45 | AR1254CCC500 | AR1254CCC500 | PO112893.D | 13 Aug 2025 03:11 | TCMX high in 1st column | YP/AJ | Ok,M |
| 46 | I.BLK | I.BLK | PO112894.D | 13 Aug 2025 03:29 | | YP/AJ | Ok |

M : Manual Integration

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Fax : 908 789 8922

**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP080125

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/1/2025 3:30:36 PM | | |
| Supervise By | mohammad | Supervise On | 8/8/2025 7:37:53 AM | | |
| SubDirectory | PP080125 | HP Acquire Method | | HP Processing Method | PP080125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PP074166.D | 01 Aug 2025 11:33 | | YP\AJ | Ok |
| 2 | I.BLK | I.BLK | PP074167.D | 01 Aug 2025 11:49 | | YP\AJ | Ok |
| 3 | AR1660ICC1000 | AR1660ICC1000 | PP074168.D | 01 Aug 2025 12:05 | | YP\AJ | Ok |
| 4 | AR1660ICC750 | AR1660ICC750 | PP074169.D | 01 Aug 2025 12:22 | | YP\AJ | Ok |
| 5 | AR1660ICC500 | AR1660ICC500 | PP074170.D | 01 Aug 2025 12:38 | | YP\AJ | Ok |
| 6 | AR1660ICC250 | AR1660ICC250 | PP074171.D | 01 Aug 2025 12:54 | | YP\AJ | Ok,M |
| 7 | AR1660ICC050 | AR1660ICC050 | PP074172.D | 01 Aug 2025 13:42 | | YP\AJ | Ok,M |
| 8 | AR1221ICC500 | AR1221ICC500 | PP074173.D | 01 Aug 2025 13:58 | | YP\AJ | Ok |
| 9 | AR1232ICC500 | AR1232ICC500 | PP074174.D | 01 Aug 2025 14:15 | | YP\AJ | Ok,M |
| 10 | AR1242ICC1000 | AR1242ICC1000 | PP074175.D | 01 Aug 2025 14:31 | | YP\AJ | Ok,M |
| 11 | AR1242ICC750 | AR1242ICC750 | PP074176.D | 01 Aug 2025 14:47 | | YP\AJ | Ok,M |
| 12 | AR1242ICC500 | AR1242ICC500 | PP074177.D | 01 Aug 2025 15:03 | | YP\AJ | Ok,M |
| 13 | AR1242ICC250 | AR1242ICC250 | PP074178.D | 01 Aug 2025 15:19 | | YP\AJ | Ok,M |
| 14 | AR1242ICC050 | AR1242ICC050 | PP074179.D | 01 Aug 2025 15:36 | | YP\AJ | Ok,M |
| 15 | AR1248ICC1000 | AR1248ICC1000 | PP074180.D | 01 Aug 2025 16:24 | Not Use | YP\AJ | Not Ok |
| 16 | AR1248ICC750 | AR1248ICC750 | PP074181.D | 01 Aug 2025 16:41 | Not Use | YP\AJ | Not Ok |
| 17 | AR1248ICC500 | AR1248ICC500 | PP074182.D | 01 Aug 2025 16:57 | | YP\AJ | Ok,M |
| 18 | AR1248ICC250 | AR1248ICC250 | PP074183.D | 01 Aug 2025 17:13 | Not Use | YP\AJ | Not Ok |

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Fax : 908 789 8922

**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP080125

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/1/2025 3:30:36 PM | | |
| Supervise By | mohammad | Supervise On | 8/8/2025 7:37:53 AM | | |
| SubDirectory | PP080125 | HP Acquire Method | | HP Processing Method | PP080125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | AR1248ICC050 | AR1248ICC050 | PP074184.D | 01 Aug 2025 17:45 | Not Use | YP\AJ | Not Ok |
| 20 | AR1254ICC1000 | AR1254ICC1000 | PP074185.D | 01 Aug 2025 18:02 | | YP\AJ | Ok,M |
| 21 | AR1254ICC750 | AR1254ICC750 | PP074186.D | 01 Aug 2025 18:18 | | YP\AJ | Ok,M |
| 22 | AR1254ICC500 | AR1254ICC500 | PP074187.D | 01 Aug 2025 18:34 | | YP\AJ | Ok,M |
| 23 | AR1254ICC250 | AR1254ICC250 | PP074188.D | 01 Aug 2025 18:50 | | YP\AJ | Ok,M |
| 24 | AR1254ICC050 | AR1254ICC050 | PP074189.D | 01 Aug 2025 19:23 | | YP\AJ | Ok,M |
| 25 | AR1262ICC500 | AR1262ICC500 | PP074190.D | 01 Aug 2025 19:39 | | YP\AJ | Ok |
| 26 | AR1268ICC1000 | AR1268ICC1000 | PP074191.D | 01 Aug 2025 19:55 | Not Use | YP\AJ | Not Ok |
| 27 | AR1268ICC750 | AR1268ICC750 | PP074192.D | 01 Aug 2025 20:11 | Not Use | YP\AJ | Not Ok |
| 28 | AR1268ICC500 | AR1268ICC500 | PP074193.D | 01 Aug 2025 20:28 | | YP\AJ | Ok |
| 29 | AR1268ICC250 | AR1268ICC250 | PP074194.D | 01 Aug 2025 20:44 | Not Use | YP\AJ | Not Ok |
| 30 | AR1268ICC050 | AR1268ICC050 | PP074195.D | 01 Aug 2025 21:00 | Not Use | YP\AJ | Not Ok |
| 31 | PP080125ICV500 | ICVPP080125 | PP074196.D | 01 Aug 2025 21:16 | | YP\AJ | Ok |
| 32 | AR1242ICV500 | ICVPP080125AR1242 | PP074197.D | 01 Aug 2025 22:05 | | YP\AJ | Ok,M |
| 33 | AR1248ICV500 | ICVPP080125AR1248 | PP074198.D | 01 Aug 2025 22:37 | Not Use | YP\AJ | Not Ok |
| 34 | AR1254ICV500 | ICVPP080125AR1254 | PP074199.D | 01 Aug 2025 23:10 | | YP\AJ | Ok,M |
| 35 | AR1268ICV500 | ICVPP080125AR1268 | PP074200.D | 01 Aug 2025 23:42 | Not Use | YP\AJ | Not Ok |
| 36 | DDT ANALOG | DDT ANALOG | PP074201.D | 02 Aug 2025 00:15 | | YP\AJ | Ok |

M : Manual Integration

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Fax : 908 789 8922

**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP081225

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/12/2025 10:13:41 AM | | |
| Supervise By | mohammad | Supervise On | 8/14/2025 1:21:51 AM | | |
| SubDirectory | PP081225 | HP Acquire Method | | HP Processing Method | PP080125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PP074301.D | 12 Aug 2025 09:35 | | YP\AJ | Ok |
| 2 | AR1660CCC500 | AR1660CCC500 | PP074302.D | 12 Aug 2025 09:51 | AR1016-02& TCMX high in sec column | YP\AJ | Ok |
| 3 | AR1242CCC500 | AR1242CCC500 | PP074303.D | 12 Aug 2025 10:11 | TCMX high in sec column | YP\AJ | Ok,M |
| 4 | AR1254CCC500 | AR1254CCC500 | PP074304.D | 12 Aug 2025 10:27 | TCMX high in sec column | YP\AJ | Ok,M |
| 5 | I.BLK | I.BLK | PP074305.D | 12 Aug 2025 10:43 | | YP\AJ | Ok |
| 6 | DDT ANALOG | DDT ANALOG | PP074306.D | 12 Aug 2025 10:59 | | YP\AJ | Ok |
| 7 | PP24799 | PP24799 | PP074307.D | 12 Aug 2025 11:16 | | YP\AJ | Ok,M |
| 8 | PB169205BL | PB169205BL | PP074308.D | 12 Aug 2025 12:48 | | YP\AJ | Ok |
| 9 | PB169205BS | PB169205BS | PP074309.D | 12 Aug 2025 13:05 | | YP\AJ | Ok,M |
| 10 | Q2830-01 | BIN0009-DRIVEWAY-T | PP074310.D | 12 Aug 2025 13:21 | | YP\AJ | Ok,M |
| 11 | Q2830-01MS | BIN0009-DRIVEWAY-T | PP074311.D | 12 Aug 2025 13:37 | | YP\AJ | Ok,M |
| 12 | Q2830-01MSD | BIN0009-DRIVEWAY-T | PP074312.D | 12 Aug 2025 13:53 | | YP\AJ | Ok,M |
| 13 | Q2830-05 | BIN0009-DRIVEWAY-T | PP074313.D | 12 Aug 2025 14:10 | | YP\AJ | Ok |
| 14 | Q2830-07 | BIN0009-DRIVEWAY-T | PP074314.D | 12 Aug 2025 14:26 | | YP\AJ | Ok,M |
| 15 | Q2831-01 | VNJ-238 | PP074315.D | 12 Aug 2025 14:42 | | YP\AJ | Ok |
| 16 | AR1660CCC500 | AR1660CCC500 | PP074316.D | 12 Aug 2025 15:48 | | YP\AJ | Ok,M |
| 17 | AR1242CCC500 | AR1242CCC500 | PP074317.D | 12 Aug 2025 16:20 | TCMX high in 2nd column | YP\AJ | Ok,M |

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Fax : 908 789 8922

**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP081225

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/12/2025 10:13:41 AM | | |
| Supervise By | mohammad | Supervise On | 8/14/2025 1:21:51 AM | | |
| SubDirectory | PP081225 | HP Acquire Method | | HP Processing Method | PP080125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | AR1254CCC500 | AR1254CCC500 | PP074318.D | 12 Aug 2025 16:37 | | YP\AJ | Ok,M |
| 19 | I.BLK | I.BLK | PP074319.D | 12 Aug 2025 16:53 | | YP\AJ | Ok |
| 20 | PB169220BL | PB169220BL | PP074320.D | 12 Aug 2025 17:26 | | YP\AJ | Ok |
| 21 | PB169220BS | PB169220BS | PP074321.D | 12 Aug 2025 17:42 | | YP\AJ | Ok |
| 22 | Q2839-10 | BC271242-2-2 | PP074322.D | 12 Aug 2025 17:58 | | YP\AJ | Ok,M |
| 23 | Q2839-11 | BC226751-1-1 | PP074323.D | 12 Aug 2025 18:14 | | YP\AJ | Ok,M |
| 24 | Q2839-12 | BC226751-1-2 | PP074324.D | 12 Aug 2025 18:31 | | YP\AJ | Ok,M |
| 25 | Q2839-13 | BC226751-2-1 | PP074325.D | 12 Aug 2025 18:47 | AR1254 Hit | YP\AJ | Ok,M |
| 26 | Q2839-14 | BC226751-2-2 | PP074326.D | 12 Aug 2025 19:03 | | YP\AJ | Ok,M |
| 27 | Q2839-15 | JEC773V-1-1 | PP074327.D | 12 Aug 2025 19:20 | TCMX low in 2nd column | YP\AJ | Ok,M |
| 28 | Q2839-16 | JEC773V-1-2 | PP074328.D | 12 Aug 2025 19:36 | | YP\AJ | Ok,M |
| 29 | AR1660CCC500 | AR1660CCC500 | PP074329.D | 12 Aug 2025 20:41 | | YP\AJ | Ok |
| 30 | AR1242CCC500 | AR1242CCC500 | PP074330.D | 12 Aug 2025 21:30 | TCMX high in 2nd column | YP\AJ | Ok,M |
| 31 | AR1254CCC500 | AR1254CCC500 | PP074331.D | 12 Aug 2025 21:46 | TCMX high in 2nd column | YP\AJ | Ok,M |
| 32 | I.BLK | I.BLK | PP074332.D | 12 Aug 2025 22:02 | | YP\AJ | Ok |

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**EXTRACTION LOGPAGE**

PB169205

**SOP ID:** M3541-ASE Extraction-15

**Clean Up SOP #:** Acid Cleanup

**Matrix :** Solid

**Weigh By:** RJ

**Balance check:** RJ

**Balance ID:** EX-SC-2

**pH Strip Lot#:** N/A

**Extraction By:** RJ

**Filter By:** RJ

**pH Meter ID:** N/A

**Hood ID:** 3,7

**Extraction Start Date :** 08/12/2025

**Extraction Start Time :** 08:15

**Extraction End Date :** 08/12/2025

**Extraction End Time :** 11:30

**Concentration By:** RS

**Supervisor By :** RUPESH

**Extraction Method:** ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

| Standared Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---|---|---|---|
| Spike Sol 1 | 1.0ML | 5000 PPB | PP24650 |
| Surrogate | 1.0ML | 200 PPB | PP24663 |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| Hexane/Acetone/1:1 | N/A | EP2627 |
| Baked Na2SO4 | N/A | EP2632 |
| Sand | N/A | E3951 |
| Hexane | N/A | E3962 |
| H2SO4 1:1 | N/A | EP2610 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

**Extraction Conformance/Non-Conformance Comments:**

40ML Vial Lot # 03-40BTS721.

**KD Bath ID:** N/A

**KD Bath Temperature:** N/A

**Envap ID:** NEVAP-02

**Envap Temperature:** 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 8/12/25 | RS (Ext lab) | Y. P. pest/PCB. |
| 11:35 | **Preparation Group** | **Analysis Group** |

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**EXTRACTION LOGPAGE**

**PrepBatch ID : PB169205**

**Analytical Method:** N/A

**Concentration Date:** 08/12/2025

| Sample ID | Client Sample ID | Test | g/mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB169205BL | ABLK205 | PCB | 30.03 | N/A | ritesh | RUPESH | 10 | | | U1-1 |
| PB169205BS | ALCS205 | PCB | 30.01 | N/A | ritesh | RUPESH | 10 | | | 2 |
| Q2818-01 | B-2-5-1 | PCB | 30.07 | N/A | ritesh | RUPESH | 10 | B | | 3 |
| Q2818-02 | B-3-5-2 | PCB | 30.03 | N/A | ritesh | RUPESH | 10 | B | | 4 |
| Q2819-06 | 11M-S | PCB | 30.05 | N/A | ritesh | RUPESH | 10 | E | | 5 |
| Q2819-11 | 84SB-W | PCB | 30.02 | N/A | ritesh | RUPESH | 10 | E | | 6 |
| Q2819-14 | 17M-W | PCB | 30.08 | N/A | ritesh | RUPESH | 10 | E | | U2-1 |
| Q2820-09 | 705R-S | PCB | 30.06 | N/A | ritesh | RUPESH | 10 | E | | 2 |
| Q2820-10 | SOIL-DUP-2 | PCB | 30.09 | N/A | ritesh | RUPESH | 10 | E | | 3 |
| Q2820-24 | 22M-S | PCB | 30.01 | N/A | ritesh | RUPESH | 10 | E | | 4 |
| Q2823-01 | SU-04-081125 | PCB | 30.04 | N/A | ritesh | RUPESH | 10 | E | | 5 |
| Q2826-01 | WC1 | PCB | 30.08 | N/A | ritesh | RUPESH | 10 | | | 6 |
| Q2827-01 | TP-8 | PCB | 30.07 | N/A | ritesh | RUPESH | 10 | E | | U3-1 |
| Q2827-05 | TP-9 | PCB | 30.02 | N/A | ritesh | RUPESH | 10 | E | Gasoline Smell | 2 |
| Q2830-01 | BIN0009-DRIVEWAY-TP-SOUTH-EAST | PCB | 30.06 | N/A | ritesh | RUPESH | 10 | E | | 3 |
| Q2830-01MS | BIN0009-DRIVEWAY-TP-SOUTH-EASTMS | PCB | 30.01 | N/A | ritesh | RUPESH | 10 | E | | 4 |
| Q2830-01MSD | BIN0009-DRIVEWAY-TP-SOUTH-EASTMSD | PCB | 30.03 | N/A | ritesh | RUPESH | 10 | E | | 5 |
| Q2830-03 | BIN0009-DRIVEWAY-TP-WEST | PCB | 30.09 | N/A | ritesh | RUPESH | 10 | E | | 6 |
| Q2830-05 | BIN0009-DRIVEWAY-TP-WESTSIDE | PCB | 30.06 | N/A | ritesh | RUPESH | 10 | E | | U6-1 |
| Q2830-07 | BIN0009-DRIVEWAY-TP-EASTSIDE | PCB | 30.04 | N/A | ritesh | RUPESH | 10 | E | | 2 |
| Q2831-01 | VNJ-238 | PCB | 30.08 | N/A | ritesh | RUPESH | 10 | B | | 3 |

RJ 8/12

* **Extracts relinguished on the same date as received.**

169205 8:15

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** Q2818 **WorkList ID :** 191213 **Department :** Extraction **Date :** 08-12-2025 08:10:04

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q2818-01 | B-2-5-1 | Solid | PCB | Cool 4 deg C | EARTH03 | | 08/11/2025 | 8082A |
| Q2818-02 | B-3-5-2 | Solid | PCB | Cool 4 deg C | EARTH03 | | 08/11/2025 | 8082A |
| Q2819-06 | 11M-S | Solid | PCB | Cool 4 deg C | FIRS02 | D31 | 08/05/2025 | 8082A |
| Q2819-11 | 84SB-W | Solid | PCB | Cool 4 deg C | FIRS02 | D31 | 08/05/2025 | 8082A |
| Q2819-14 | 17M-W | Solid | PCB | Cool 4 deg C | FIRS02 | D31 | 08/05/2025 | 8082A |
| Q2820-09 | 705R-S | Solid | PCB | Cool 4 deg C | FIRS02 | D31 | 08/07/2025 | 8082A |
| Q2820-10 | SOIL-DUP-2 | Solid | PCB | Cool 4 deg C | FIRS02 | D31 | 08/07/2025 | 8082A |
| Q2820-24 | 22M-S | Solid | PCB | Cool 4 deg C | FIRS02 | D31 | 08/08/2025 | 8082A |
| Q2823-01 | SU-04-081125 | Solid | PCB | Cool 4 deg C | PSEG05 | D31 | 08/11/2025 | 8082A |
| Q2826-01 | WC1 | Solid | PCB | Cool 4 deg C | GENV01 | D31 | 08/11/2025 | 8082A |
| Q2827-01 | TP-8 | Solid | PCB | Cool 4 deg C | PSEG03 | D31 | 08/11/2025 | 8082A |
| Q2827-05 | TP-9 | Solid | PCB | Cool 4 deg C | PSEG03 | D31 | 08/11/2025 | 8082A |
| Q2830-01 | BIN009-DRIVEWAY-TP-SOUTH | Solid | PCB | Cool 4 deg C | PSEG03 | D31 | 08/11/2025 | 8082A |
| Q2830-03 | BIN009-DRIVEWAY-TP-WEST | Solid | PCB | Cool 4 deg C | PSEG03 | D31 | 08/11/2025 | 8082A |
| Q2830-05 | BIN009-DRIVEWAY-TP-WEST5 | Solid | PCB | Cool 4 deg C | PSEG03 | D31 | 08/11/2025 | 8082A |
| Q2830-07 | BIN009-DRIVEWAY-TP-EASTS | Solid | PCB | Cool 4 deg C | PSEG03 | D31 | 08/11/2025 | 8082A |
| Q2831-01 | VNJ-238 | Solid | PCB | Cool 4 deg C | PSEG03 | D21 | 08/11/2025 | 8082A |

**Date/Time** 08/12/25 8:10
**Raw Sample Received by:** RJ (EXT-Web)
**Raw Sample Relinquished by:** CR



**Date/Time** 08/12/25 8:40
**Raw Sample Received by:** CR
**Raw Sample Relinquished by:** RJ (EXT-Web)

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q2826 | **OrderDate:** | 8/11/2025 2:06:00 PM |
| **Client:** | G Environmental | **Project:** | Ave B |
| **Contact:** | Gary Landis | **Location:** | --Select--,D31,VOA Ref. #2 Soil |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q2826-01** | **WC1** | **SOIL** | | | **08/11/25** | | | **08/11/25** |
| | | | PCB | 8082A | | 08/12/25 | 08/12/25 | |
| | | | EPH_NF | NJEPH | | 08/12/25 | 08/12/25 | |

# SAMPLE DATA

Raw Data: **FE055263.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | 08/11/25 |
| Project: | Ave B | | | Date Received: | 08/11/25 |
| Client Sample ID: | WC1 | | | SDG No.: | Q2826 |
| Lab Sample ID: | Q2826-01 | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 88.1 |
| Sample Wt/Vol: | 30.06 | Units: | g | Final Vol: | 2000 uL |
| Soil Aliquot Vol: | | | uL | Test: | EPH_NF |
| Prep Method : | | | | | |

| Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|
| 08/12/25 08:45 | 08/12/25 18:29 | PB169207 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 37.1 | | 1 | 1.34 | 2.27 | mg/kg | FE055263.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 4.07 | J | 1 | 1.03 | 4.53 | mg/kg | FE055263.D |
| Total AliphaticEPH | Total AliphaticEPH | 41.2 | | | 2.37 | 6.80 | mg/kg | |
| Total EPH | Total EPH | 41.2 | | | 2.37 | 6.80 | 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

Raw Data: **FE055263.D**

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | Date Collected: | 08/11/25 | |
| Project: | Ave B | | Date Received: | 08/11/25 | |
| Client Sample ID: | WC1 | | SDG No.: | Q2826 | |
| Lab Sample ID: | Q2826-01 | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 88.1 | |
| 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 |
|---|---|---|---|---|
| FE055263.D | 1 | 08/12/25 | 08/12/25 | PB169207 |

| CAS Number | Parameter | | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | | 4.07 | J | 1.03 | 4.53 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | | 37.1 | | 1.34 | 2.27 | mg/kg |
| **SURROGATES** | | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | | 32.4 | | 40 - 140 | 65% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | | 30.9 | | 40 - 140 | 62% | SPK: 50 |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q2826-01 | Acq On: | 12 Aug 2025 18:29 |
| Client Sample ID: | WC1 | Operator: | YP\AJ |
| Data file: | FE055263.D | Misc: | |
| Instrument: | FID_E | ALS Vial: | 28 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.323 | 6.959 | 632902 | 5.419 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.960 | 10.413 | 1363980 | 10.892 | 200 | ug/ml |
| Aliphatic C16-C21 | 10.414 | 13.793 | 1680168 | 13.292 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.794 | 17.466 | 2936363 | 24.367 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.467 | 22.498 | 56053149 | 491.75 | 600 | ug/ml |
| Aliphatic EPH | 3.323 | 22.498 | 62666562 | 545.72 | | ug/ml |
| ortho-Terphenyl (SURR) | 12.090 | 12.090 | 4410471 | 30.88 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.526 | 13.526 | 3480850 | 32.37 | | ug/ml |
| Aliphatic C9-C28 | 3.323 | 17.466 | 6613413 | 53.97 | 1200 | ug/ml |

# QC SUMMARY

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Fax : 908 789 8922

## SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2826

Run Number: FC081225AL

| CLIENT SAMPLE NO. | 1-chlorooctadecane (SURR) | ortho-Terphenyl (SURR) | | TOT OUT |
|---|---|---|---|---|
| PB169207BL | 74 | 70 | | 0 |
| PB169207BS | 70 | 66 | | 0 |
| PB169207BSD | 70 | 66 | | 0 |
| BIN0009-DRIVEWAY-TP-WEST | 73 | 69 | | 0 |
| BIN0009-DRIVEWAY-TP-WEST | 77 | 72 | | 0 |

| | QC LIMITS |
|---|---|
| 1-chlorooctadecane (SURR) | (40-140) |
| ortho-Terphenyl (SURR) | (40-140) |

# Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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Fax : 908 789 8922

## SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2826

Run Number: FE081225AL

| CLIENT SAMPLE NO. | 1-chlorooctadecane (SURR) | ortho-Terphenyl (SURR) | | TOT OUT |
|---|---|---|---|---|
| WC1 | 65 | 62 | | 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:** Q2826

**Sample No :** Q2830-03MS **Datafile:** FC069649.D **Client ID :** BIN0009-DRIVEWAY-TP-WESTMS

| COMPOUND | SPIKE ADDED mg/kg | SAMPLE CONCENTRATION mg/kg | MS/MSD CONCENTRATION mg/kg | % REC | Qual | QC LIMITS (%) |
|---|---|---|---|---|---|---|
| Aliphatic C28-C40 | 35.0 | 6.87 | 33.2 | 75 | | (40-140) |
| Aliphatic C9-C28 | 116.6 | 2.91 | 72.4 | 60 | | (40-140) |

| COMPOUND | SPIKE ADDED mg/kg | SAMPLE CONCENTRATION mg/kg | MS/MSD CONCENTRATION mg/kg | % REC | Qual | QC LIMITS (%) |
|---|---|---|---|---|---|---|
| n-Nonane (C9) | 3.9 | 0.0000 | 1.0726 | 28 | * | (40-140) |
| n-Decane (C10) | 3.9 | 0.0000 | 2.9390 | 75 | | (40-140) |
| Naphthalene (C11.7) | 3.9 | 0.0000 | 1.8979 | 49 | | (40-140) |
| n-Dodecane (C12) | 3.9 | 0.0000 | 1.8543 | 48 | | (40-140) |
| 2-methylnaphthalene (C12.89) | 3.9 | 0.0000 | 2.0260 | 52 | | (40-140) |
| n-Tetradecane (C14) | 3.9 | 0.0000 | 2.2273 | 57 | | (40-140) |
| n-Hexadecane (C16) | 3.9 | 0.0000 | 2.4193 | 62 | | (40-140) |
| n-Octadecane (C18) | 3.9 | 0.0000 | 2.4524 | 63 | | (40-140) |
| n-Eicosane (C20) | 3.9 | 0.0000 | 2.6068 | 67 | | (40-140) |
| n-Heneicosane (C21) | 3.9 | 0.0000 | 2.5588 | 66 | | (40-140) |
| n-Docosane (C22) | 3.9 | 0.0000 | 2.5383 | 65 | | (40-140) |
| n-Tetracosane (C24) | 7.8 | 0.0000 | 5.1258 | 66 | | (40-140) |
| n-Hexacosane (C26) | 3.9 | 0.0000 | 2.5367 | 65 | | (40-140) |
| n-Octacosane (C28) | 3.9 | 0.0000 | 2.5377 | 65 | | (40-140) |
| n-Tricontane (C30) | 3.9 | 0.0000 | 2.4749 | 63 | | (40-140) |
| n-Dotriacontane (C32) | 3.9 | 0.0000 | 2.5811 | 66 | | (40-140) |
| n-Tetratriacontane (C34) | 3.9 | 0.0000 | 2.8600 | 73 | | (40-140) |
| n-Hexatriacontane (C36) | 3.9 | 0.0000 | 3.2733 | 84 | | (40-140) |
| n-Octatriacontane (C38) | 3.9 | 0.0000 | 3.7602 | 96 | | (40-140) |
| n-Tetracontane (C40) | 3.9 | 0.0000 | 3.5367 | 91 | | (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:** Q2826

**Sample No :** Q2830-03MSD **Datafile:** FC069650.D **Client ID :** BIN0009-DRIVEWAY-TP-WESTMSD

| COMPOUND | SPIKE ADDED mg/kg | SAMPLE CONCENTRATION mg/kg | MS/MSD CONCENTRATION mg/kg | % REC | Qual | RPD \| QC LIMITS (%) | QC Limit Of RPD |
|---|---|---|---|---|---|---|---|
| Aliphatic C28-C40 | 35.0 | 6.87 | 35.3 | 81 | | 7.66 \| (40-140) | 50 |
| Aliphatic C9-C28 | 116.6 | 2.91 | 67.6 | 56 | | 7.1 \| (40-140) | 50 |

| COMPOUND | SPIKE ADDED mg/kg | SAMPLE CONCENTRATION mg/kg | MS/MSD CONCENTRATION mg/kg | % REC | Qual | RPD \| QC LIMITS (%) | QC Limit Of RPD |
|---|---|---|---|---|---|---|---|
| n-Nonane (C9) | 3.9 | 0.0000 | 1.1279 | 29 | * | 7.14 \| (40-140) | 50 |
| n-Decane (C10) | 3.9 | 0.0000 | 3.0919 | 79 | | 5.19 \| (40-140) | 50 |
| Naphthalene (C11.7) | 3.9 | 0.0000 | 1.9632 | 50 | | 4.08 \| (40-140) | 50 |
| n-Dodecane (C12) | 3.9 | 0.0000 | 1.9170 | 49 | | 4.17 \| (40-140) | 50 |
| 2-methylnaphthalene (C12.89) | 3.9 | 0.0000 | 2.0593 | 53 | | 1.9 \| (40-140) | 50 |
| n-Tetradecane (C14) | 3.9 | 0.0000 | 2.1884 | 56 | | 1.77 \| (40-140) | 50 |
| n-Hexadecane (C16) | 3.9 | 0.0000 | 2.3791 | 61 | | 1.63 \| (40-140) | 50 |
| n-Octadecane (C18) | 3.9 | 0.0000 | 2.4955 | 64 | | 1.57 \| (40-140) | 50 |
| n-Eicosane (C20) | 3.9 | 0.0000 | 2.7025 | 69 | | 2.94 \| (40-140) | 50 |
| n-Heneicosane (C21) | 3.9 | 0.0000 | 2.6638 | 68 | | 4.51 \| (40-140) | 50 |
| n-Docosane (C22) | 3.9 | 0.0000 | 2.6560 | 68 | | 4.51 \| (40-140) | 50 |
| n-Tetracosane (C24) | 7.8 | 0.0000 | 5.3754 | 69 | | 4.51 \| (40-140) | 50 |
| n-Hexacosane (C26) | 3.9 | 0.0000 | 2.6626 | 68 | | 6.06 \| (40-140) | 50 |
| n-Octacosane (C28) | 3.9 | 0.0000 | 2.6581 | 68 | | 4.58 \| (40-140) | 50 |
| n-Tricontane (C30) | 3.9 | 0.0000 | 2.6042 | 67 | | 4.72 \| (40-140) | 50 |
| n-Dotriacontane (C32) | 3.9 | 0.0000 | 2.7185 | 70 | | 4.58 \| (40-140) | 50 |
| n-Tetratriacontane (C34) | 3.9 | 0.0000 | 3.0070 | 77 | | 4.08 \| (40-140) | 50 |
| n-Hexatriacontane (C36) | 3.9 | 0.0000 | 3.3956 | 87 | | 3.82 \| (40-140) | 50 |
| n-Octatriacontane (C38) | 3.9 | 0.0000 | 3.9968 | 102 | | 7.59 \| (40-140) | 50 |
| n-Tetracontane (C40) | 3.9 | 0.0000 | 3.7034 | 95 | | 5.46 \| (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:** Q2826

**Sample No :** PB169207BS **Datafile:** FC069645.D **Client ID :** PB169207BS

| COMPOUND | SPIKE ADDED mg/kg | LCS/LCSD CONCENTRATION mg/kg | % REC | Qual | QC LIMITS (%) |
|---|---|---|---|---|---|
| Aliphatic C28-C40 | 30.0 | 21.6 | 72 | | (40-140) |
| Aliphatic C9-C28 | 100.1 | 54.7 | 55 | | (40-140) |

| COMPOUND | SPIKE ADDED mg/kg | LCS/LCSD CONCENTRATION mg/kg | % REC | Qual | QC LIMITS(%) |
|---|---|---|---|---|---|
| n-Nonane (C9) | 3.3 | 1.63609 | 50 | | (40-140) |
| n-Decane (C10) | 3.3 | 1.76347 | 53 | | (40-140) |
| Naphthalene (C11.7) | 3.3 | 2.02752 | 61 | | (40-140) |
| n-Dodecane (C12) | 3.3 | 1.96737 | 60 | | (40-140) |
| 2-methylnaphthalene (C12.89) | 3.3 | 2.02584 | 61 | | (40-140) |
| n-Tetradecane (C14) | 3.3 | 2.06622 | 63 | | (40-140) |
| n-Hexadecane (C16) | 3.3 | 2.06502 | 63 | | (40-140) |
| n-Octadecane (C18) | 3.3 | 2.02989 | 62 | | (40-140) |
| n-Eicosane (C20) | 3.3 | 2.14752 | 65 | | (40-140) |
| n-Heneicosane (C21) | 3.3 | 2.10724 | 64 | | (40-140) |
| n-Docosane (C22) | 3.3 | 2.08853 | 63 | | (40-140) |
| n-Tetracosane (C24) | 6.7 | 4.13066 | 62 | | (40-140) |
| n-Hexacosane (C26) | 3.3 | 2.06137 | 62 | | (40-140) |
| n-Octacosane (C28) | 3.3 | 2.03852 | 62 | | (40-140) |
| n-Tricontane (C30) | 3.3 | 1.97890 | 60 | | (40-140) |
| n-Dotriacontane (C32) | 3.3 | 2.02757 | 61 | | (40-140) |
| n-Tetratriacontane (C34) | 3.3 | 2.27428 | 69 | | (40-140) |
| n-Hexatriacontane (C36) | 3.3 | 2.45442 | 74 | | (40-140) |
| n-Octatriacontane (C38) | 3.3 | 2.72740 | 83 | | (40-140) |
| n-Tetracontane (C40) | 3.3 | 2.83852 | 86 | | (40-140) |

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## SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

**Lab Name:** Alliance **Client:** G Environmental

**Lab Code:** ACE **SDG No:** Q2826

**Sample No :** PB169207BSD **Datafile:** FC069646.D **Client ID :** PB169207BSD

| COMPOUND | SPIKE ADDED mg/kg | LCS/LCSD CONCENTRATION mg/kg | % REC | Qual | RPD \| | QC LIMITS (%) | QC Limit Of RPD |
|---|---|---|---|---|---|---|---|
| Aliphatic C28-C40 | 30.0 | 21.6 | 72 | | 0.06\| | (40-140) | 25 |
| Aliphatic C9-C28 | 99.9 | 54.7 | 55 | | 0.049\| | (40-140) | 25 |

| COMPOUND | SPIKE ADDED mg/kg | LCS/LCSD CONCENTRATION mg/kg | % REC | Qual | RPD \| | QC LIMITS(%) | QC Limit Of RPD |
|---|---|---|---|---|---|---|---|
| n-Nonane (C9) | 3.3 | 1.63538 | 50 | | 0\| | (40-140) | 25 |
| n-Decane (C10) | 3.3 | 1.76025 | 53 | | 0\| | (40-140) | 25 |
| Naphthalene (C11.7) | 3.3 | 2.02227 | 61 | | 0\| | (40-140) | 25 |
| n-Dodecane (C12) | 3.3 | 1.95844 | 59 | | 1.68\| | (40-140) | 25 |
| 2-methylnaphthalene (C12.89) | 3.3 | 2.02196 | 61 | | 0\| | (40-140) | 25 |
| n-Tetradecane (C14) | 3.3 | 2.05573 | 62 | | 1.6\| | (40-140) | 25 |
| n-Hexadecane (C16) | 3.3 | 2.04883 | 62 | | 1.6\| | (40-140) | 25 |
| n-Octadecane (C18) | 3.3 | 2.01402 | 61 | | 1.63\| | (40-140) | 25 |
| n-Eicosane (C20) | 3.3 | 2.13298 | 65 | | 0\| | (40-140) | 25 |
| n-Heneicosane (C21) | 3.3 | 2.09214 | 63 | | 1.57\| | (40-140) | 25 |
| n-Docosane (C22) | 3.3 | 2.07592 | 63 | | 0\| | (40-140) | 25 |
| n-Tetracosane (C24) | 6.7 | 4.13776 | 62 | | 0\| | (40-140) | 25 |
| n-Hexacosane (C26) | 3.3 | 2.05095 | 62 | | 0\| | (40-140) | 25 |
| n-Octacosane (C28) | 3.3 | 2.02955 | 62 | | 0\| | (40-140) | 25 |
| n-Tricontane (C30) | 3.3 | 1.96097 | 59 | | 1.68\| | (40-140) | 25 |
| n-Dotriacontane (C32) | 3.3 | 2.00404 | 61 | | 0\| | (40-140) | 25 |
| n-Tetratriacontane (C34) | 3.3 | 2.25480 | 68 | | 1.46\| | (40-140) | 25 |
| n-Hexatriacontane (C36) | 3.3 | 2.43852 | 74 | | 0\| | (40-140) | 25 |
| n-Octatriacontane (C38) | 3.3 | 2.71628 | 82 | | 1.21\| | (40-140) | 25 |
| n-Tetracontane (C40) | 3.3 | 2.83634 | 86 | | 0\| | (40-140) | 25 |

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4B

# METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB169207BL

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2826

Instrument ID: FID_C Lab Sample ID: PB169207BL

Matrix: (soil/water) Solid Date Extracted: 8/12/2025 8:45:00 A

Level: (low/med) low

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

| CLIENT SAMPLE NO. | LAB SAMPLE ID |
|---|---|
| PB169207BS | PB169207BS |
| PB169207BSD | PB169207BSD |
| WC1 | Q2826-01 |
| BIN0009-DRIVEWAY-TP-WESTMS | Q2830-03MS |
| BIN0009-DRIVEWAY-TP-WESTMS | Q2830-03MSD |

COMMENTS:

# QC SAMPLE DATA

Raw Data: **FC069644.D**

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Ave B | | | Date Received: | |
| Client Sample ID: | PB169207BL | | | SDG No.: | Q2826 |
| Lab Sample ID: | PB169207BL | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 | Units: | g | Final Vol: | 2000 uL |
| Soil Aliquot Vol: | | | uL | Test: | EPH_NF |
| Prep Method : | | | | | |

| Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|
| 08/12/25 08:45 | 08/12/25 20:22 | PB169207 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 1.18 | U | 1 | 1.18 | 2.00 | mg/kg | FC069644.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 0.91 | U | 1 | 0.91 | 3.99 | mg/kg | FC069644.D |
| Total AliphaticEPH | Total AliphaticEPH | 2.09 | U | | 2.09 | 5.99 | mg/kg | |
| Total EPH | Total EPH | 2.09 | U | | 2.09 | 5.99 | mg/kg | |

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

Raw Data: **FC069644.D**

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | Date Collected: | | |
| Project: | Ave B | | Date Received: | | |
| Client Sample ID: | PB169207BL | | SDG No.: | Q2826 | |
| Lab Sample ID: | PB169207BL | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 100 | |
| Sample Wt/Vol: | 30.02 Units: | g | Final Vol: | 2000 | uL |
| Soil Aliquot Vol: | | uL | Test: | EPH_NF | |
| Prep Method : | | | | | |

| File ID : | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|---|---|
| FC069644.D | 1 | 08/12/25 | 08/12/25 | PB169207 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 0.91 | U | 0.91 | 3.99 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 1.18 | U | 1.18 | 2.00 | mg/kg |
| **SURROGATES** | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 37.0 | | 40 - 140 | 74% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | 34.9 | | 40 - 140 | 70% | SPK: 50 |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | PB169207BL | Acq On: | 12 Aug 2025 20:22 |
| Client Sample ID: | PB169207BL | Operator: | YP/AJ |
| Data file: | FC069644.D | Misc: | |
| Instrument: | FID_C | ALS Vial: | 18 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.296 | 6.594 | 0 | 0 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.595 | 9.998 | 0 | 0 | 200 | ug/ml |
| Aliphatic C16-C21 | 9.999 | 13.367 | 0 | 0 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.368 | 17.032 | 0 | 0 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.033 | 22.008 | 0 | 0 | 600 | ug/ml |
| Aliphatic EPH | 3.296 | 22.008 | 0 | 0 | | ug/ml |
| ortho-Terphenyl (SURR) | 11.667 | 11.667 | 5198688 | 34.85 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.101 | 13.101 | 4029814 | 36.96 | | ug/ml |
| Aliphatic C9-C28 | 3.296 | 17.032 | 0 | 0 | 1200 | ug/ml |

Raw Data: **FC069645.D**

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Ave B | | | Date Received: | |
| Client Sample ID: | PB169207BS | | | SDG No.: | Q2826 |
| Lab Sample ID: | PB169207BS | | | Matrix: | Solid |
| Analytical Method: | NJEPH | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.01 | Units: | g | Final Vol: | 2000 uL |
| Soil Aliquot Vol: | | | uL | Test: | EPH_NF |
| Prep Method : | | | | | |

| Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|
| 08/12/25 08:45 | 08/12/25 21:08 | PB169207 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 21.6 | | 1 | 1.18 | 2.00 | mg/kg | FC069645.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 54.7 | | 1 | 0.91 | 4.00 | mg/kg | FC069645.D |
| Total AliphaticEPH | Total AliphaticEPH | 76.3 | | | 2.09 | 6.00 | mg/kg | |
| Total EPH | Total EPH | 76.3 | | | 2.09 | 6.00 | mg/kg | |

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

Raw Data: **FC069645.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | Date Collected: | | |
| Project: | Ave B | | Date Received: | | |
| Client Sample ID: | PB169207BS | | SDG No.: | Q2826 | |
| Lab Sample ID: | PB169207BS | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 100 | |
| Sample Wt/Vol: | 30.01 Units: | g | Final Vol: | 2000 | uL |
| Soil Aliquot Vol: | | uL | Test: | EPH_NF | |
| Prep Method : | | | | | |

| File ID : | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|---|---|
| FC069645.D | 1 | 08/12/25 | 08/12/25 | PB169207 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 54.7 | | 0.91 | 4.00 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 21.6 | | 1.18 | 2.00 | mg/kg |
| **SURROGATES** | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 35.0 | | 40 - 140 | 70% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | 32.9 | | 40 - 140 | 66% | SPK: 50 |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | PB169207BS | Acq On: | 12 Aug 2025 21:08 |
| Client Sample ID: | PB169207BS | Operator: | YP/AJ |
| Data file: | FC069645.D | Misc: | |
| Instrument: | FID_C | ALS Vial: | 19 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.296 | 6.594 | 20618159 | 142.509 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.595 | 9.998 | 27575514 | 192.251 | 200 | ug/ml |
| Aliphatic C16-C21 | 9.999 | 13.367 | 29064386 | 217.611 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.368 | 17.032 | 31693756 | 267.892 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.033 | 22.008 | 30957145 | 324.787 | 600 | ug/ml |
| Aliphatic EPH | 3.296 | 22.008 | 139908960 | 1150 | | ug/ml |
| ortho-Terphenyl (SURR) | 11.665 | 11.665 | 4914195 | 32.94 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.100 | 13.100 | 3814315 | 34.99 | | ug/ml |
| Aliphatic C9-C28 | 3.296 | 17.032 | 108951815 | 820.263 | 1200 | ug/ml |

Raw Data: **FC069646.D**

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | Date Collected: | | |
| Project: | Ave B | | Date Received: | | |
| Client Sample ID: | PB169207BSD | | SDG No.: | Q2826 | |
| Lab Sample ID: | PB169207BSD | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 100 | |
| Sample Wt/Vol: | 30.02 Units: | g | Final Vol: | 2000 | uL |
| Soil Aliquot Vol: | | uL | Test: | EPH_NF | |
| Prep Method : | | | | | |

| Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|
| 08/12/25 08:45 | 08/12/25 21:53 | PB169207 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 21.6 | | 1 | 1.18 | 2.00 | mg/kg | FC069646.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 54.7 | | 1 | 0.91 | 3.99 | mg/kg | FC069646.D |
| Total AliphaticEPH | Total AliphaticEPH | 76.3 | | | 2.09 | 5.99 | mg/kg | |
| Total EPH | Total EPH | 76.3 | | | 2.09 | 5.99 | mg/kg | |

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

Raw Data: **FC069646.D**

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | Date Collected: | | |
| Project: | Ave B | | Date Received: | | |
| Client Sample ID: | PB169207BSD | | SDG No.: | Q2826 | |
| Lab Sample ID: | PB169207BSD | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 100 | |
| Sample Wt/Vol: | 30.02 Units: | g | Final Vol: | 2000 | uL |
| Soil Aliquot Vol: | | uL | Test: | EPH_NF | |
| Prep Method : | | | | | |

| File ID : | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|---|---|
| FC069646.D | 1 | 08/12/25 | 08/12/25 | PB169207 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 54.7 | | 0.91 | 3.99 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 21.6 | | 1.18 | 2.00 | mg/kg |
| **SURROGATES** | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 34.8 | | 40 - 140 | 70% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | 32.8 | | 40 - 140 | 66% | SPK: 50 |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | PB169207BSD | Acq On: | 12 Aug 2025 21:53 |
| Client Sample ID: | PB169207BSD | Operator: | YP/AJ |
| Data file: | FC069646.D | Misc: | |
| Instrument: | FID_C | ALS Vial: | 20 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.296 | 6.594 | 20584745 | 142.278 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.595 | 9.998 | 27540790 | 192.009 | 200 | ug/ml |
| Aliphatic C16-C21 | 9.999 | 13.367 | 28967482 | 216.885 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.368 | 17.032 | 31976934 | 270.286 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.033 | 22.008 | 30931317 | 324.516 | 600 | ug/ml |
| Aliphatic EPH | 3.296 | 22.008 | 140001268 | 1150 | | ug/ml |
| ortho-Terphenyl (SURR) | 11.665 | 11.665 | 4892968 | 32.8 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.101 | 13.101 | 3794482 | 34.8 | | ug/ml |
| Aliphatic C9-C28 | 3.296 | 17.032 | 109069951 | 821.458 | 1200 | ug/ml |

Raw Data: **FC069649.D**

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | Date Collected: | | |
| Project: | Ave B | | Date Received: | | |
| Client Sample ID: | BIN0009-DRIVEWAY-TP-WESTMS | | SDG No.: | Q2826 | |
| Lab Sample ID: | Q2830-03MS | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 85.6 | |
| Sample Wt/Vol: | 30.06 | Units: g | Final Vol: | 2000 | uL |
| Soil Aliquot Vol: | | uL | Test: | EPH_NF | |
| Prep Method : | | | | | |

| Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|
| 08/12/25 08:45 | 08/13/25 0:13 | PB169207 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 33.2 | | 1 | 1.38 | 2.33 | mg/kg | FC069649.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 72.4 | | 1 | 1.06 | 4.67 | mg/kg | FC069649.D |
| Total AliphaticEPH | Total AliphaticEPH | 106 | | | 2.44 | 7.00 | mg/kg | |
| Total EPH | Total EPH | 106 | | | 2.44 | 7.00 | mg/kg | |

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

Raw Data: **FC069649.D**

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | Date Collected: | | |
| Project: | Ave B | | Date Received: | | |
| Client Sample ID: | BIN0009-DRIVEWAY-TP-WESTMS | | SDG No.: | Q2826 | |
| Lab Sample ID: | Q2830-03MS | | Matrix: | Solid | |
| Analytical Method: | NJEPH | | % Solid: | 85.6 | |
| Sample Wt/Vol: | 30.06 | Units: g | Final Vol: | 2000 | uL |
| Soil Aliquot Vol: | | uL | Test: | EPH_NF | |
| Prep Method : | | | | | |

| File ID : | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|---|---|
| FC069649.D | 1 | 08/12/25 | 08/13/25 | PB169207 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 72.4 | | 1.06 | 4.67 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 33.2 | | 1.38 | 2.33 | mg/kg |
| **SURROGATES** | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 36.5 | | 40 - 140 | 73% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | 34.4 | | 40 - 140 | 69% | SPK: 50 |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q2830-03MS | Acq On: | 13 Aug 2025 00:13 |
| Client Sample ID: | BIN0009-DRIVEWAY-TP-WESTMS | Operator: | YP/AJ |
| Data file: | FC069649.D | Misc: | |
| Instrument: | FID_C | ALS Vial: | 23 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.296 | 6.594 | 16061289 | 111.013 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.595 | 9.998 | 33020754 | 230.214 | 200 | ug/ml |
| Aliphatic C16-C21 | 9.999 | 13.367 | 36696695 | 274.756 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.368 | 17.032 | 37353007 | 315.727 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.033 | 22.008 | 40669580 | 426.685 | 600 | ug/ml |
| Aliphatic EPH | 3.296 | 22.008 | 163801325 | 1360 | | ug/ml |
| ortho-Terphenyl (SURR) | 11.666 | 11.666 | 5132110 | 34.4 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.101 | 13.101 | 3978577 | 36.49 | | ug/ml |
| Aliphatic C9-C28 | 3.296 | 17.032 | 123131745 | 931.71 | 1200 | ug/ml |

Raw Data: **FC069650.D**

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Ave B | Date Received: | |
| Client Sample ID: | BIN0009-DRIVEWAY-TP-WESTMSD | SDG No.: | Q2826 |
| Lab Sample ID: | Q2830-03MSD | Matrix: | Solid |
| Analytical Method: | NJEPH | % Solid: | 85.6 |
| Sample Wt/Vol: | 30.08 Units: g | Final Vol: | 2000 uL |
| Soil Aliquot Vol: | uL | Test: | EPH_NF |
| Prep Method : | | | |

| Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|
| 08/12/25 08:45 | 08/13/25 1:50 | PB169207 |

| CAS Number | Parameter | Conc. | Qualifier | Dilution | MDL | LOQ / CRQL | Units(Dry Weight) | Datafile |
|---|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | | |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 35.3 | | 1 | 1.37 | 2.33 | mg/kg | FC069650.D |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 67.7 | | 1 | 1.06 | 4.67 | mg/kg | FC069650.D |
| Total AliphaticEPH | Total AliphaticEPH | 103 | | | 2.43 | 7.00 | mg/kg | |
| Total EPH | Total EPH | 103 | | | 2.43 | 7.00 | mg/kg | |

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

Raw Data: **FC069650.D**

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Ave B | Date Received: | |
| Client Sample ID: | BIN0009-DRIVEWAY-TP-WESTMSD | SDG No.: | Q2826 |
| Lab Sample ID: | Q2830-03MSD | Matrix: | Solid |
| Analytical Method: | NJEPH | % Solid: | 85.6 |
| Sample Wt/Vol: | 30.08 Units: g | Final Vol: | 2000 uL |
| Soil Aliquot Vol: | uL | Test: | EPH_NF |
| Prep Method : | | | |

| File ID : | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
|---|---|---|---|---|
| FC069650.D | 1 | 08/12/25 | 08/13/25 | PB169207 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 67.7 | | 1.06 | 4.67 | mg/kg |
| Aliphatic C28-C40 | Aliphatic C28-C40 | 35.3 | | 1.37 | 2.33 | mg/kg |
| **SURROGATES** | | | | | | |
| 3383-33-2 | 1-chlorooctadecane (SURR) | 38.4 | | 40 - 140 | 77% | SPK: 50 |
| 84-15-1 | ortho-Terphenyl (SURR) | 36.1 | | 40 - 140 | 72% | SPK: 50 |

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# Quantitation Report For Aliphatic EPH Range.

| | | | |
|---|---|---|---|
| Lab Sample ID: | Q2830-03MSD | Acq On: | 13 Aug 2025 01:50 |
| Client Sample ID: | BIN0009-DRIVEWAY-TP-WESTMSD | Operator: | YP/AJ |
| Data file: | FC069650.D | Misc: | |
| Instrument: | FID_C | ALS Vial: | 24 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | highest_standard | Units |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.296 | 6.594 | 15928487 | 110.095 | 300 | ug/ml |
| Aliphatic C12-C16 | 6.595 | 9.998 | 26999853 | 188.237 | 200 | ug/ml |
| Aliphatic C16-C21 | 9.999 | 13.367 | 32722374 | 244.999 | 300 | ug/ml |
| Aliphatic C21-C28 | 13.368 | 17.032 | 38886079 | 328.686 | 400 | ug/ml |
| Aliphatic C28-C40 | 17.033 | 22.008 | 43329576 | 454.592 | 600 | ug/ml |
| Aliphatic EPH | 3.296 | 22.008 | 157866369 | 1330 | | ug/ml |
| ortho-Terphenyl (SURR) | 11.666 | 11.666 | 5388201 | 36.12 | | ug/ml |
| 1-chlorooctadecane (SURR) | 13.101 | 13.101 | 4191300 | 38.44 | | ug/ml |
| Aliphatic C9-C28 | 3.296 | 17.032 | 114536793 | 872.017 | 1200 | ug/ml |

# CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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# Inital Calibration Report for SequenceID : FC080125AL

**AreaCount**

| Parameter Range | FC069558.D | FC069559.D | FC069560.D | FC069561.D | FC069562.D | |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 42068648.000 | 19691016.000 | 8965532.000 | 4370721.000 | 2351668.000 | |
| Aliphatic C12-C16 | 27843527.000 | 13014807.000 | 5942321.000 | 2897742.000 | 1543652.000 | |
| Aliphatic C16-C21 | 38214284.000 | 18201524.000 | 8181971.000 | 4119976.000 | 2180745.000 | |
| Aliphatic C21-C28 | 44820531.000 | 21625949.000 | 9610305.000 | 4868005.000 | 2590582.000 | |
| Aliphatic C28-C40 | 52282691.000 | 25521026.000 | 11594465.000 | 5791453.000 | 3336702.000 | |
| Aliphatic EPH | 205229681.000 | 98054322.000 | 44294594.000 | 22047897.000 | 12003349.000 | |

**AVG Response Factor**

| Parameter Range | AVG RF | % RSD | | | | |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 144679.273333 | 6.643 | | | | |
| Aliphatic C12-C16 | 143435.206 | 6.448 | | | | |
| Aliphatic C16-C21 | 133561.231333 | 6.997 | | | | |
| Aliphatic C21-C28 | 118307.822 | 7.116 | | | | |
| Aliphatic C28-C40 | 95315.2126662 | 10.853 | | | | |
| Aliphatic EPH | 120373.0272216 | 7.787 | | | | |

**Concentration**

| Parameter Range | FC069558.D | FC069559.D | FC069560.D | FC069561.D | FC069562.D | |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 300.000 | 150.000 | 60.000 | 30.000 | 15.000 | |
| Aliphatic C12-C16 | 200.000 | 100.000 | 40.000 | 20.000 | 10.000 | |
| Aliphatic C16-C21 | 300.000 | 150.000 | 60.000 | 30.000 | 15.000 | |
| Aliphatic C21-C28 | 400.000 | 200.000 | 80.000 | 40.000 | 20.000 | |
| Aliphatic C28-C40 | 600.000 | 300.000 | 120.000 | 60.000 | 30.000 | |
| Aliphatic EPH | 1800.000 | 900.000 | 360.000 | 180.000 | 90.000 | |

**Response Factor**

| Parameter Range | FC069558.D | FC069559.D | FC069560.D | FC069561.D | FC069562.D | |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 140228.826666 | 131273.440000 | 149425.533333 | 145690.700000 | 156777.866666 | |
| Aliphatic C12-C16 | 139217.635000 | 130148.070000 | 148558.025000 | 144887.100000 | 154365.200000 | |
| Aliphatic C16-C21 | 127380.946666 | 121343.493333 | 136366.183333 | 137332.533333 | 145383.000000 | |

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# Inital Calibration Report for SequenceID : FC080125AL

| | | | | | | |
|---|---|---|---|---|---|---|
| Aliphatic C21-C28 | 112051.327500 | 108129.745000 | 120128.812500 | 121700.125000 | 129529.100000 | |
| Aliphatic C28-C40 | 87137.818333 | 85070.086666 | 96620.541666 | 96524.216666 | 111223.400000 | |
| Aliphatic EPH | 114016.489444 | 108949.246666 | 123040.538888 | 122488.316666 | 133370.544444 | |

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# Inital Calibration Report for SequenceID : FE080125AL

**AreaCount**

| Parameter Range | FE055102.D | FE055103.D | FE055104.D | FE055105.D | FE055106.D | |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 32408754.000 | 16891181.000 | 7003710.000 | 3577317.000 | 1909553.000 | |
| Aliphatic C12-C16 | 23084106.000 | 11985802.000 | 4993920.000 | 2562730.000 | 1378723.000 | |
| Aliphatic C16-C21 | 35136636.000 | 18127790.000 | 7566457.000 | 3893517.000 | 2072383.000 | |
| Aliphatic C21-C28 | 44556926.000 | 23024093.000 | 9601695.000 | 4948829.000 | 2645478.000 | |
| Aliphatic C28-C40 | 61529999.000 | 31908743.000 | 13279856.000 | 7025222.000 | 3998130.000 | |
| Aliphatic EPH | 196716421.000 | 101937609.000 | 42445638.000 | 22007615.000 | 12004267.000 | |

**AVG Response Factor**

| Parameter Range | AVG RF | % RSD | | | | |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 116782.5973332 | 6.216 | | | | |
| Aliphatic C12-C16 | 125227.07 | 6.84 | | | | |
| Aliphatic C16-C21 | 126404.887333 | 6.459 | | | | |
| Aliphatic C21-C28 | 120505.7185 | 6.705 | | | | |
| Aliphatic C28-C40 | 113987.1949996 | 10.577 | | | | |
| Aliphatic EPH | 119220.1465552 | 7.797 | | | | |

**Concentration**

| Parameter Range | FE055102.D | FE055103.D | FE055104.D | FE055105.D | FE055106.D | |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 300.000 | 150.000 | 60.000 | 30.000 | 15.000 | |
| Aliphatic C12-C16 | 200.000 | 100.000 | 40.000 | 20.000 | 10.000 | |
| Aliphatic C16-C21 | 300.000 | 150.000 | 60.000 | 30.000 | 15.000 | |
| Aliphatic C21-C28 | 400.000 | 200.000 | 80.000 | 40.000 | 20.000 | |
| Aliphatic C28-C40 | 600.000 | 300.000 | 120.000 | 60.000 | 30.000 | |
| Aliphatic EPH | 1800.000 | 900.000 | 360.000 | 180.000 | 90.000 | |

**Response Factor**

| Parameter Range | FE055102.D | FE055103.D | FE055104.D | FE055105.D | FE055106.D | |
|---|---|---|---|---|---|---|
| Aliphatic C9-C12 | 108029.180000 | 112607.873333 | 116728.500000 | 119243.900000 | 127303.533333 | |
| Aliphatic C12-C16 | 115420.530000 | 119858.020000 | 124848.000000 | 128136.500000 | 137872.300000 | |
| Aliphatic C16-C21 | 117122.120000 | 120851.933333 | 126107.616666 | 129783.900000 | 138158.866666 | |

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# Inital Calibration Report for SequenceID : FE080125AL

| | | | | | | |
|---|---|---|---|---|---|---|
| Aliphatic C21-C28 | 111392.315000 | 115120.465000 | 120021.187500 | 123720.725000 | 132273.900000 | |
| Aliphatic C28-C40 | 102549.998333 | 106362.476666 | 110665.466666 | 117087.033333 | 133271.000000 | |
| Aliphatic EPH | 109286.900555 | 113264.010000 | 117904.550000 | 122264.527777 | 133380.744444 | |

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055102.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 11:24
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
FID_E
**ClientSampleId :**
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Aug 01 12:58:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 12:56:55 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 | 13258959 | 96.436 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 192.87% |
| 12) | S 1-chlorooctadecane (S... | 13.529 | 10060078 | 96.779 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 193.56% |
| | Target Compounds | | | |
| 1) | T n-Nonane (C9) | 3.426 | 10566449 | 95.907 ug/ml |
| 2) | T n-Decane (C10) | 4.686 | 10785569 | 96.140 ug/ml |
| 3) | T A~Naphthalene (C11.7) | 6.406 | 12473805 | 96.312 ug/ml |
| 4) | T n-Dodecane (C12) | 6.863 | 11056736 | 96.333 ug/ml |
| 5) | T A~2-methylnaphthalene... | 7.509 | 12240152 | 96.717 ug/ml |
| 6) | T n-Tetradecane (C14) | 8.700 | 11258265 | 95.907 ug/ml |
| 7) | T n-Hexadecane (C16) | 10.316 | 11825841 | 96.238 ug/ml |
| 8) | T n-Octadecane (C18) | 11.768 | 12080672 | 96.276 ug/ml |
| 10) | T n-Eicosane (C20) | 13.081 | 11630709 | 96.308 ug/ml |
| 11) | T n-Heneicosane (C21) | 13.696 | 11425255 | 96.335 ug/ml |
| 13) | T n-Docosane (C22) | 14.284 | 11344173 | 96.437 ug/ml |
| 14) | T n-Tetracosane (C24) | 15.391 | 11250576 | 96.251 ug/ml |
| 15) | T n-Hexacosane (C26) | 16.414 | 11078971 | 96.324 ug/ml |
| 16) | T n-Octacosane (C28) | 17.367 | 10883206 | 96.067 ug/ml |
| 17) | T n-Tricontane (C30) | 18.257 | 11064265 | 95.655 ug/ml |
| 18) | T n-Dotriacontane (C32) | 19.090 | 10837325 | 95.887 ug/ml |
| 19) | T n-Tetratriacontane (C34) | 19.876 | 10452018 | 96.017 ug/ml |
| 20) | T n-Hexatriacontane (C36) | 20.616 | 9856874 | 96.586 ug/ml |
| 21) | T n-Octatriacontane (C38) | 21.400 | 9704662 | 96.195 ug/ml |
| 22) | T n-Tetracontane (C40) | 22.396 | 9614855 | 96.961 ug/ml |

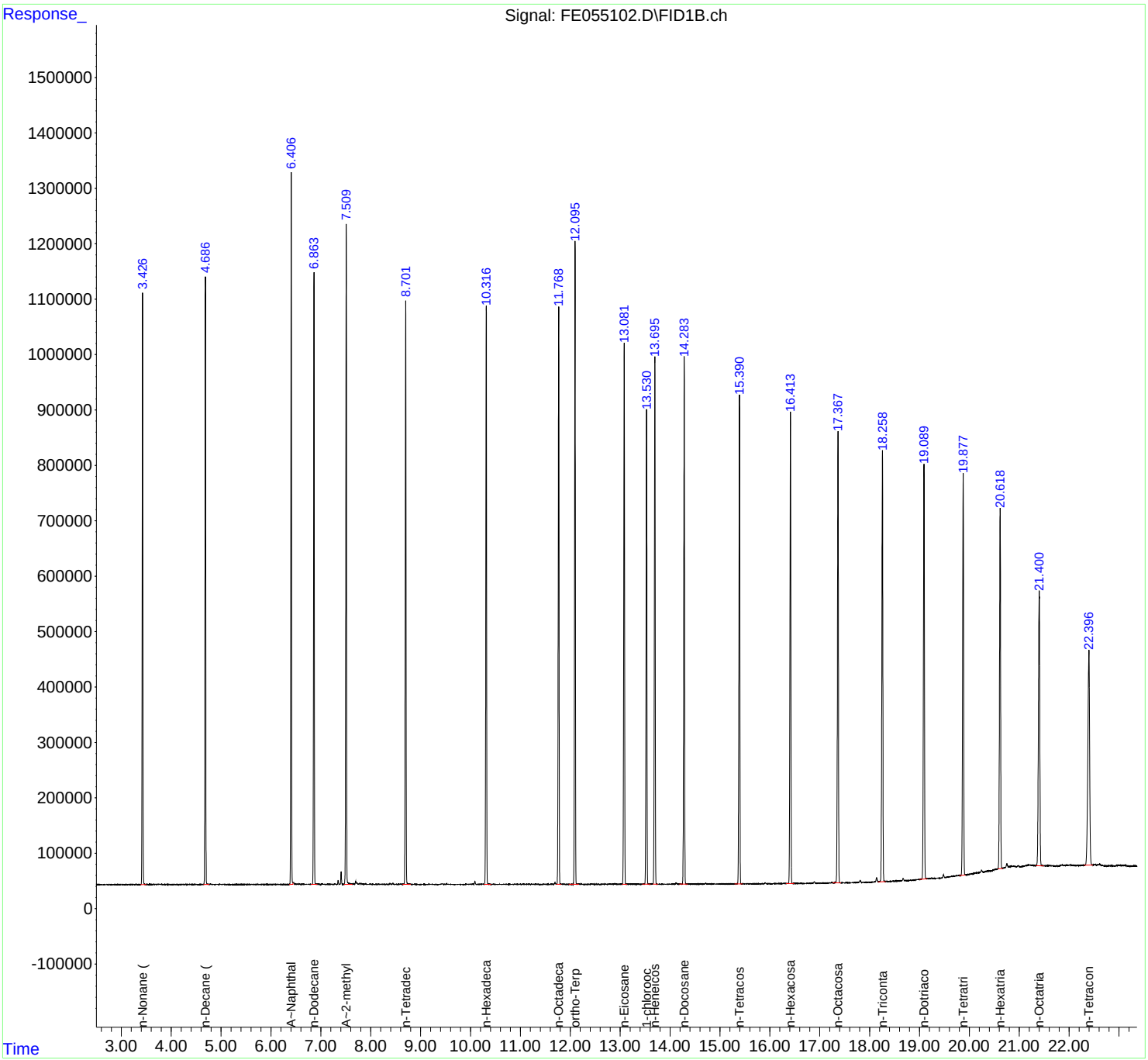
(f)=RT Delta > 1/2 Window (m)=manual int.

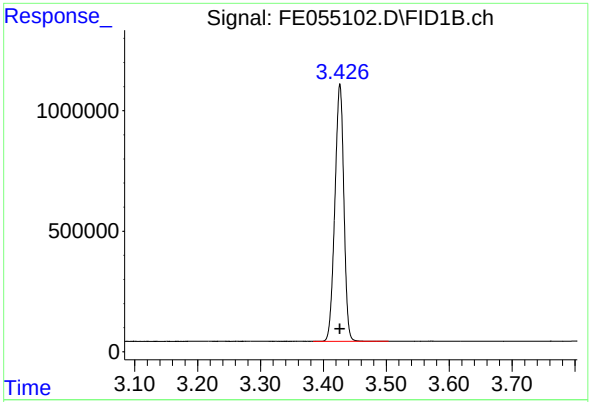
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055102.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 11:24
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
FID_E
**ClientSampleId :**
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Aug 01 12:58:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 12:56:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

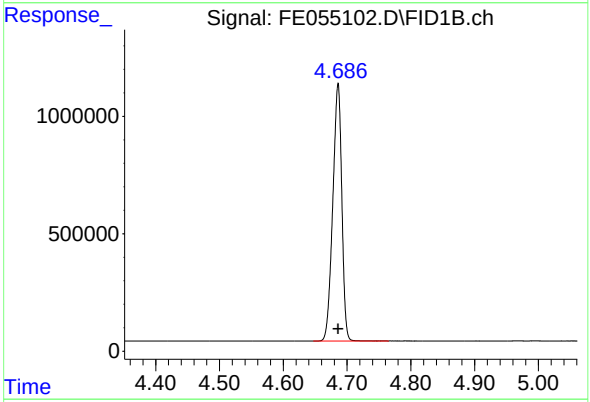





#1 n-Nonane (C9)

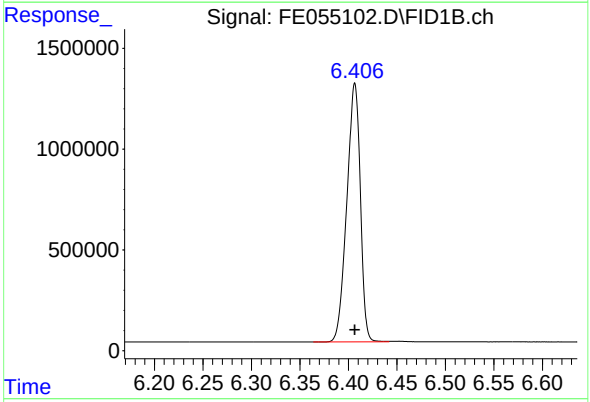
R.T.: 3.426 min
Delta R.T.: 0.000 min
Response: 10566449
Conc: 95.91 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
100 PPM ALIPHATIC HC STD1



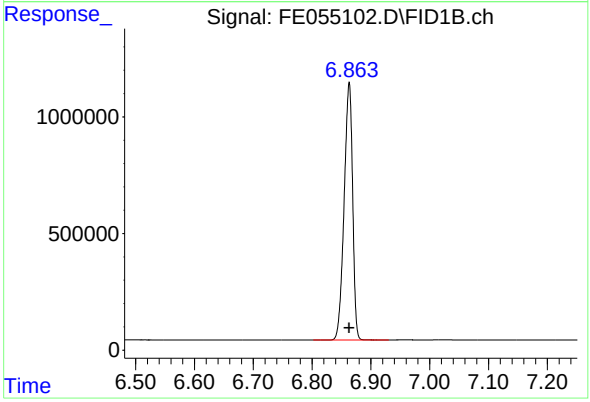

#2 n-Decane (C10)

R.T.: 4.686 min
Delta R.T.: 0.000 min
Response: 10785569
Conc: 96.14 ug/ml



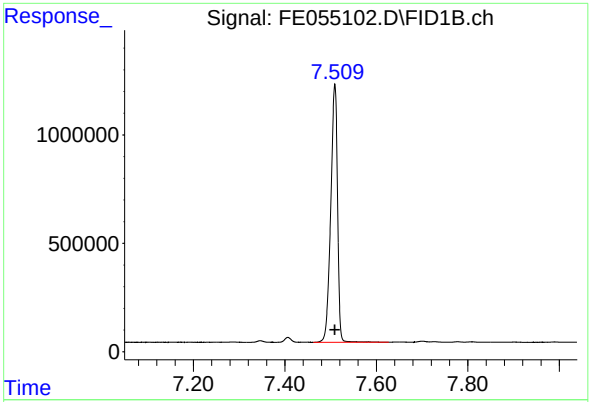

#3 A~Naphthalene (C11.7)

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 12473805
Conc: 96.31 ug/ml




#4 n-Dodecane (C12)

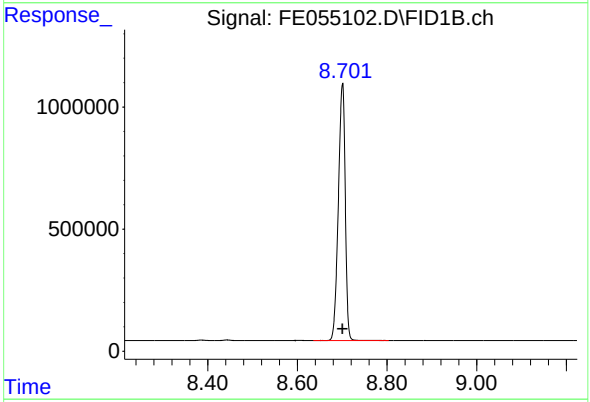
R.T.: 6.863 min
Delta R.T.: 0.000 min
Response: 11056736
Conc: 96.33 ug/ml




#5 A~2-methylnaphthalene (C12.89)

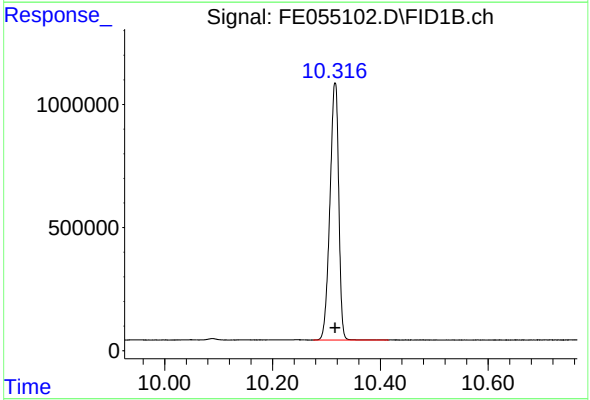
R.T.: 7.509 min
Delta R.T.: 0.000 min
Response: 12240152
Conc: 96.72 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
100 PPM ALIPHATIC HC STD1



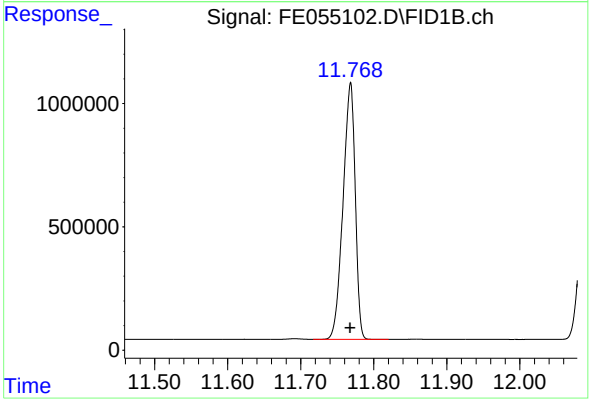

#6 n-Tetradecane (C14)

R.T.: 8.700 min
Delta R.T.: 0.000 min
Response: 11258265
Conc: 95.91 ug/ml



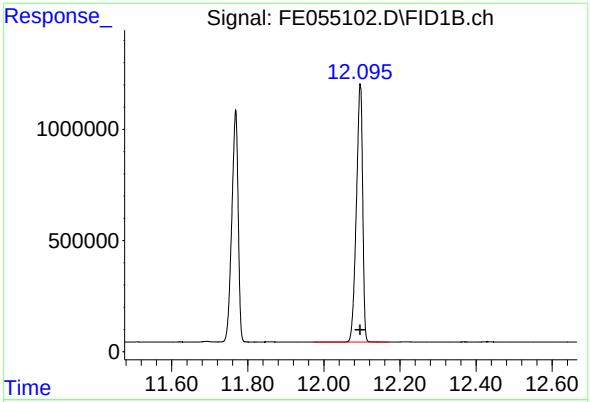

#7 n-Hexadecane (C16)

R.T.: 10.316 min
Delta R.T.: 0.000 min
Response: 11825841
Conc: 96.24 ug/ml




#8 n-Octadecane (C18)

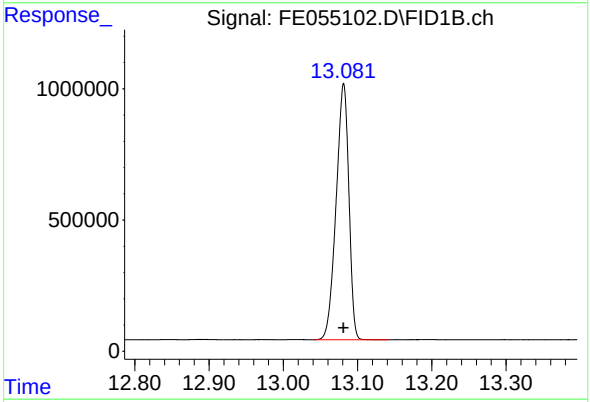
R.T.: 11.768 min
Delta R.T.: 0.000 min
Response: 12080672
Conc: 96.28 ug/ml




#9 ortho-Terphenyl (SURR)

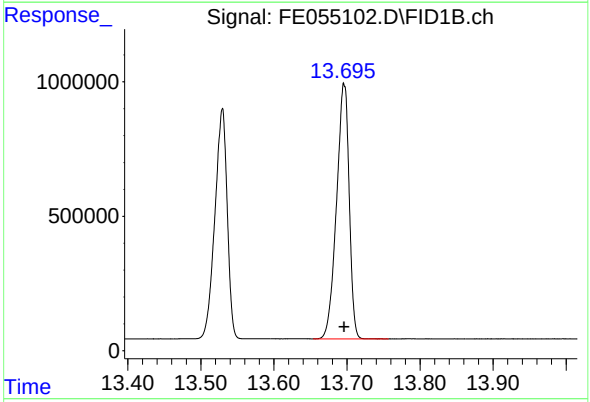
R.T.: 12.095 min
Delta R.T.: 0.000 min
Response: 13258959
Conc: 96.44 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
100 PPM ALIPHATIC HC STD1



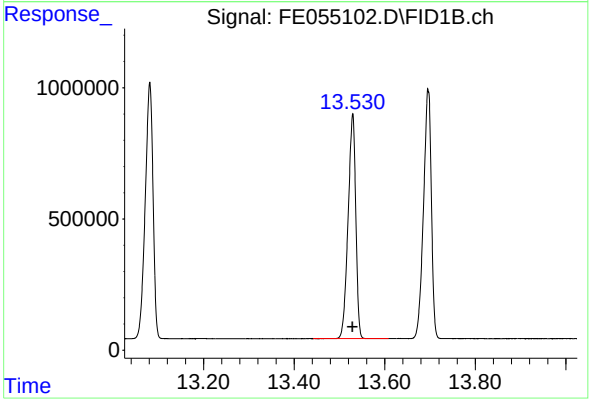

#10 n-Eicosane (C20)

R.T.: 13.081 min
Delta R.T.: 0.000 min
Response: 11630709
Conc: 96.31 ug/ml



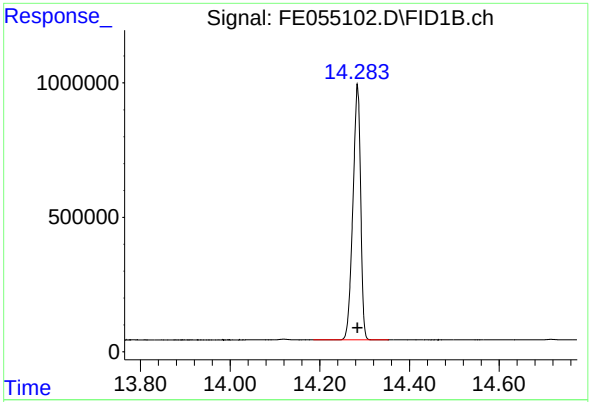

#11 n-Heneicosane (C21)

R.T.: 13.696 min
Delta R.T.: 0.000 min
Response: 11425255
Conc: 96.33 ug/ml




#12 1-chlorooctadecane (SURR)

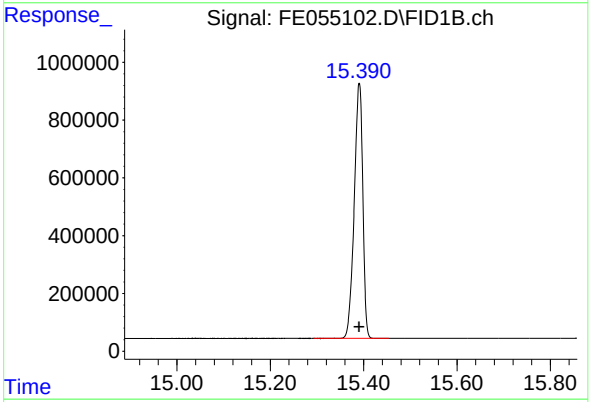
R.T.: 13.529 min
Delta R.T.: 0.000 min
Response: 10060078
Conc: 96.78 ug/ml




#13 n-Docosane (C22)

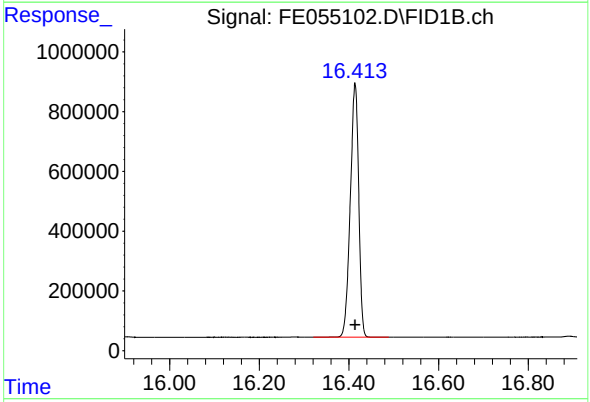
R.T.: 14.284 min
Delta R.T.: 0.000 min
Response: 11344173
Conc: 96.44 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
100 PPM ALIPHATIC HC STD1



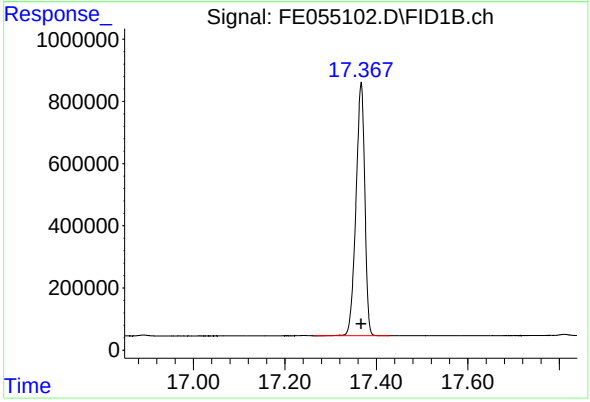

#14 n-Tetracosane (C24)

R.T.: 15.391 min
Delta R.T.: 0.000 min
Response: 11250576
Conc: 96.25 ug/ml



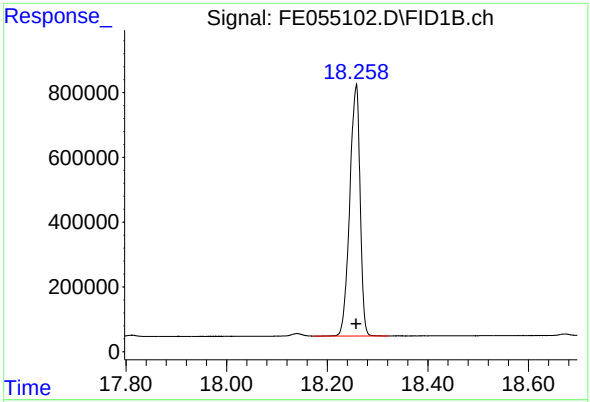

#15 n-Hexacosane (C26)

R.T.: 16.414 min
Delta R.T.: 0.000 min
Response: 11078971
Conc: 96.32 ug/ml




#16 n-Octacosane (C28)

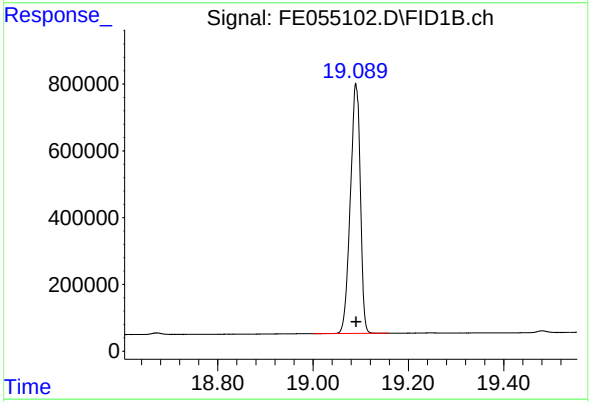
R.T.: 17.367 min
Delta R.T.: 0.000 min
Response: 10883206
Conc: 96.07 ug/ml




#17 n-Tricontane (C30)

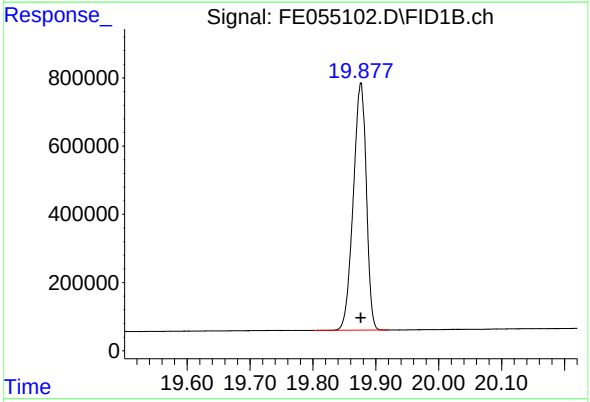
R.T.: 18.257 min
Delta R.T.: 0.000 min
Response: 11064265
Conc: 95.65 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
100 PPM ALIPHATIC HC STD1



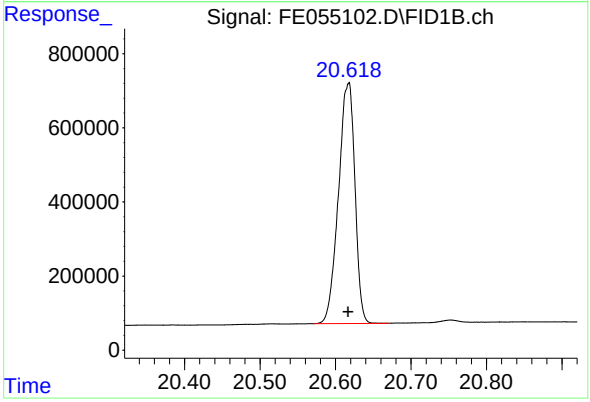

#18 n-Dotriacontane (C32)

R.T.: 19.090 min
Delta R.T.: 0.000 min
Response: 10837325
Conc: 95.89 ug/ml



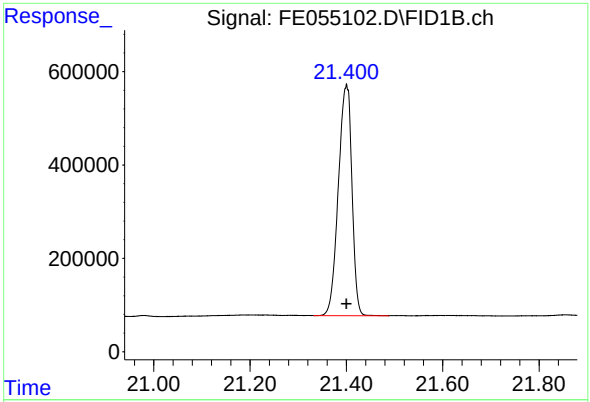

#19 n-Tetratriacontane (C34)

R.T.: 19.876 min
Delta R.T.: 0.000 min
Response: 10452018
Conc: 96.02 ug/ml




#20 n-Hexatriacontane (C36)

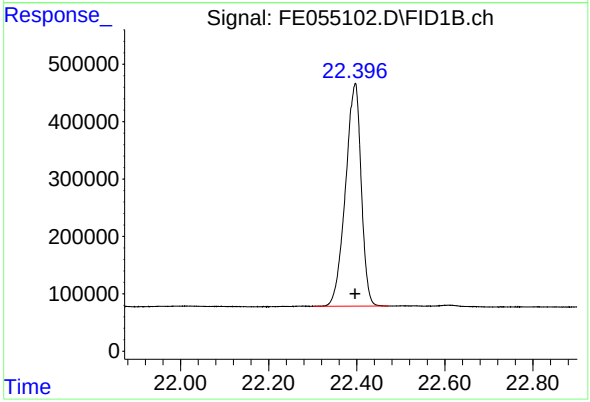
R.T.: 20.616 min
Delta R.T.: 0.000 min
Response: 9856874
Conc: 96.59 ug/ml




#21 n-Octatriacontane (C38)

R.T.: 21.400 min
Delta R.T.: 0.000 min
Response: 9704662
Conc: 96.20 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
100 PPM ALIPHATIC HC STD1




#22 n-Tetracontane (C40)

R.T.: 22.396 min
Delta R.T.: 0.000 min
Response: 9614855
Conc: 96.96 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055102.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 11:24
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1B.ch

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|
| 1 | 3.426 | 3.384 | 3.504 | BB | 1070986 | 10566449 | 79.69% | 4.317% |
| 2 | 4.686 | 4.647 | 4.765 | BB | 1091801 | 10785569 | 81.35% | 4.407% |
| 3 | 6.406 | 6.364 | 6.441 | BV | 1287901 | 12473805 | 94.08% | 5.097% |
| 4 | 6.863 | 6.802 | 6.930 | BB | 1111094 | 11056736 | 83.39% | 4.518% |
| 5 | 7.509 | 7.462 | 7.627 | BV | 1186565 | 12240152 | 92.32% | 5.001% |
| 6 | 8.700 | 8.635 | 8.804 | BB | 1051624 | 11258265 | 84.91% | 4.600% |
| 7 | 10.316 | 10.275 | 10.415 | PB | 1047662 | 11825841 | 89.19% | 4.832% |
| 8 | 11.768 | 11.717 | 11.820 | VB | 1049537 | 12080672 | 91.11% | 4.936% |
| 9 | 12.095 | 11.972 | 12.170 | BB | 1162473 | 13258959 | 100.00% | 5.417% |
| 10 | 13.081 | 13.040 | 13.142 | PB | 976332 | 11630709 | 87.72% | 4.752% |
| 11 | 13.529 | 13.442 | 13.609 | BB | 855859 | 10060078 | 75.87% | 4.110% |
| 12 | 13.696 | 13.654 | 13.757 | PB | 952985 | 11425255 | 86.17% | 4.668% |
| 13 | 14.284 | 14.185 | 14.354 | BB | 950759 | 11344173 | 85.56% | 4.635% |
| 14 | 15.391 | 15.292 | 15.454 | BB | 884285 | 11250576 | 84.85% | 4.597% |
| 15 | 16.414 | 16.320 | 16.489 | BB | 851287 | 11078971 | 83.56% | 4.527% |
| 16 | 17.367 | 17.262 | 17.427 | BV | 815166 | 10883206 | 82.08% | 4.447% |
| 17 | 18.257 | 18.172 | 18.322 | VV | 769818 | 11064265 | 83.45% | 4.521% |
| 18 | 19.090 | 19.000 | 19.159 | BB | 743160 | 10837325 | 81.74% | 4.428% |
| 19 | 19.876 | 19.800 | 19.920 | BV | 723914 | 10452018 | 78.83% | 4.270% |
| 20 | 20.617 | 20.570 | 20.670 | BV | 647925 | 9856874 | 74.34% | 4.027% |
| 21 | 21.400 | 21.331 | 21.488 | BV | 493523 | 9704662 | 73.19% | 3.965% |
| 22 | 22.396 | 22.301 | 22.472 | BV | 390989 | 9614855 | 72.52% | 3.928% |

Sum of corrected areas: 244749413

Aliphatic EPH 080125.M Fri Aug 01 15:06:37 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055103.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 11:54
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
FID_E
**ClientSampleId :**
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Aug 01 13:00:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 12:56:55 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) | 12.090 | 6842277 | 49.844 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 99.69% |
| 12) S | 1-chlorooctadecane (S... | 13.525 | 5171408 | 49.833 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 99.67% |
| | Target Compounds | | | |
| 1) T | n-Nonane (C9) | 3.424 | 5514791 | 50.037 ug/ml |
| 2) T | n-Decane (C10) | 4.683 | 5622532 | 50.078 ug/ml |
| 3) T | A~Naphthalene (C11.7) | 6.403 | 6498529 | 50.117 ug/ml |
| 4) T | n-Dodecane (C12) | 6.859 | 5753858 | 50.087 ug/ml |
| 5) T | A~2-methylnaphthalene... | 7.505 | 6326213 | 49.992 ug/ml |
| 6) T | n-Tetradecane (C14) | 8.697 | 5858546 | 49.938 ug/ml |
| 7) T | n-Hexadecane (C16) | 10.312 | 6127256 | 49.909 ug/ml |
| 8) T | n-Octadecane (C18) | 11.763 | 6239947 | 49.819 ug/ml |
| 10) T | n-Eicosane (C20) | 13.077 | 5995916 | 49.766 ug/ml |
| 11) T | n-Heneicosane (C21) | 13.691 | 5891927 | 49.786 ug/ml |
| 13) T | n-Docosane (C22) | 14.280 | 5850962 | 49.826 ug/ml |
| 14) T | n-Tetracosane (C24) | 15.386 | 5809853 | 49.802 ug/ml |
| 15) T | n-Hexacosane (C26) | 16.410 | 5728334 | 49.869 ug/ml |
| 16) T | n-Octacosane (C28) | 17.363 | 5634944 | 49.826 ug/ml |
| 17) T | n-Tricontane (C30) | 18.252 | 5744409 | 49.775 ug/ml |
| 18) T | n-Dotriacontane (C32) | 19.086 | 5642852 | 49.951 ug/ml |
| 19) T | n-Tetratriacontane (C34) | 19.872 | 5420838 | 49.865 ug/ml |
| 20) T | n-Hexatriacontane (C36) | 20.611 | 5110739 | 50.053 ug/ml |
| 21) T | n-Octatriacontane (C38) | 21.394 | 5015684 | 49.811 ug/ml |
| 22) T | n-Tetracontane (C40) | 22.388 | 4974221 | 50.108 ug/ml |

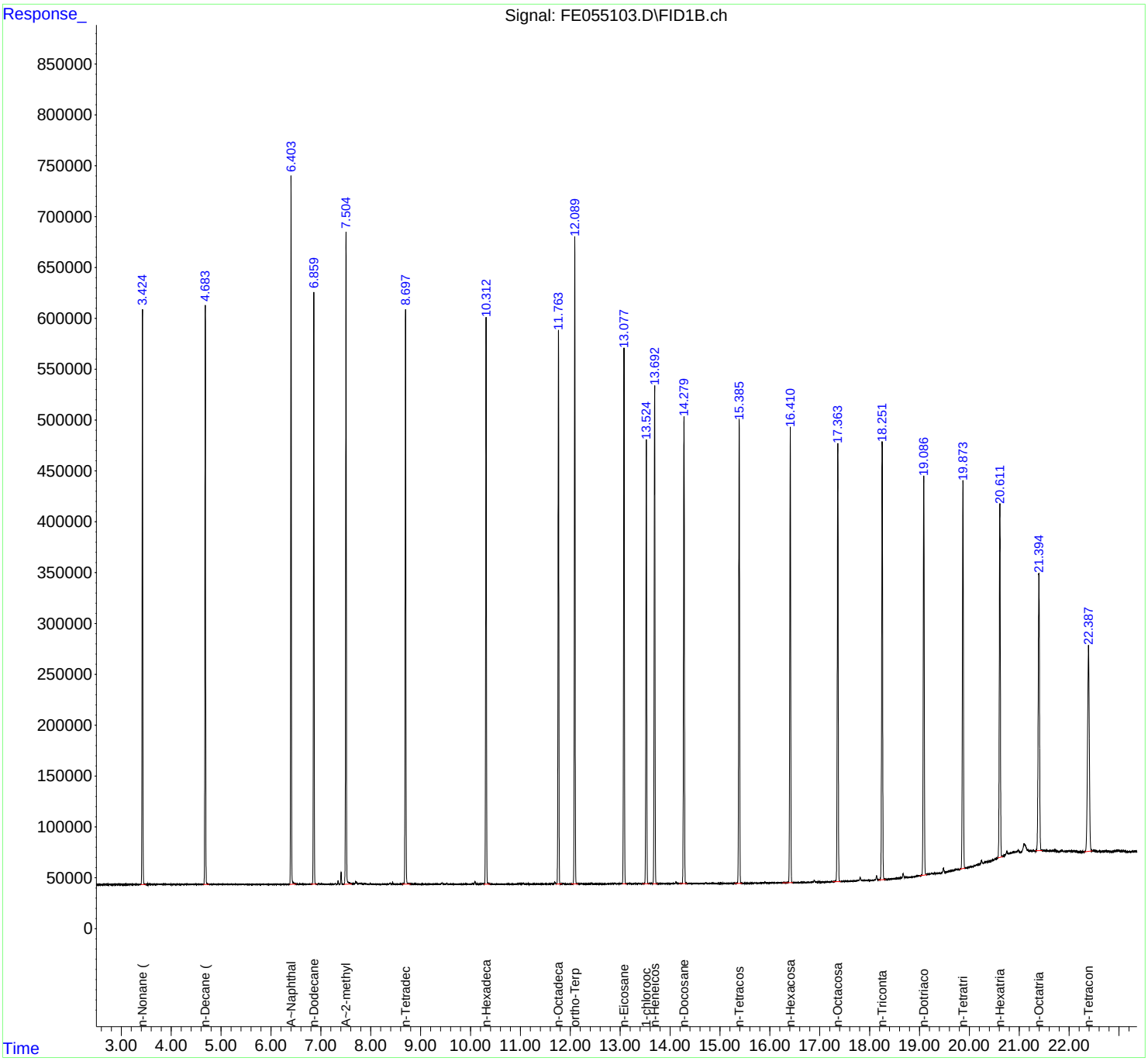
(f)=RT Delta > 1/2 Window (m)=manual int.

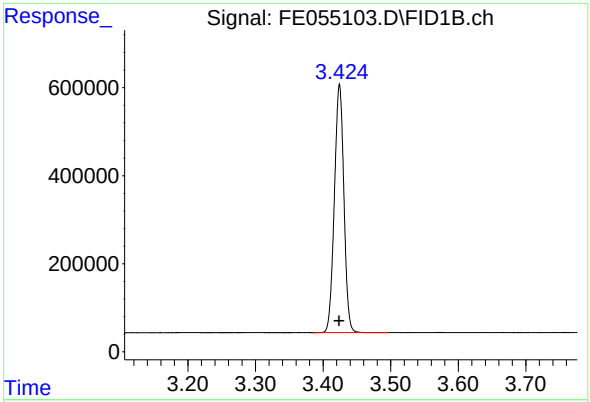
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055103.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 11:54
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
FID_E
**ClientSampleId :**
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Aug 01 13:00:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 12:56:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

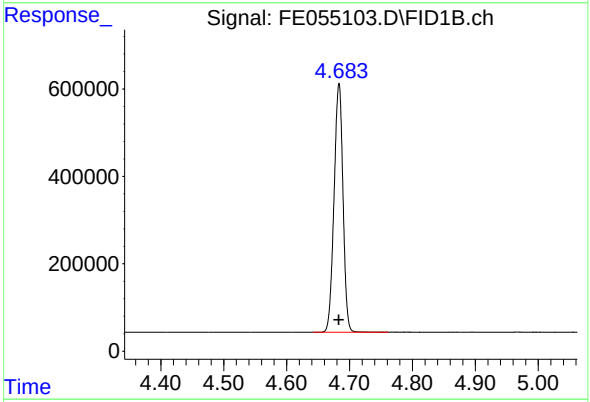





#1 n-Nonane (C9)

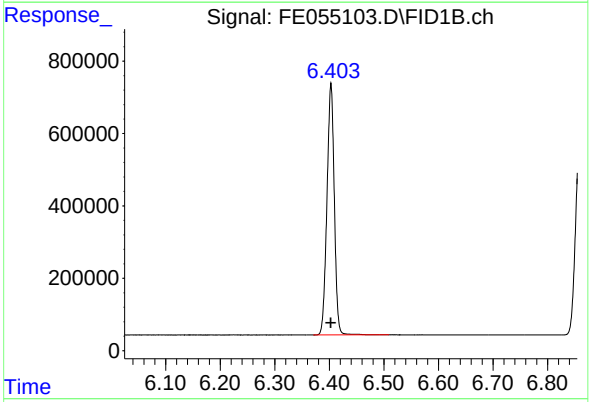
R.T.: 3.424 min
Delta R.T.: 0.000 min
Response: 5514791
Conc: 50.04 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
50 PPM ALIPHATIC HC STD2



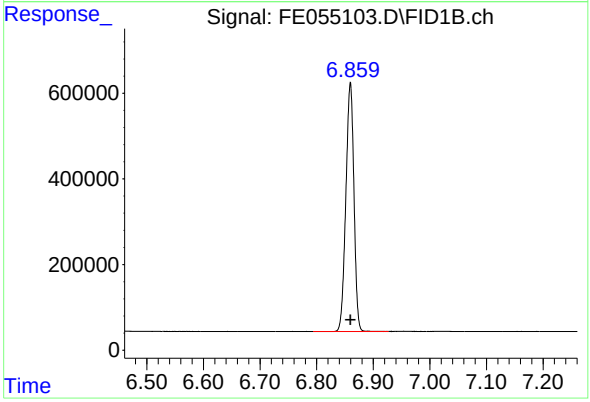

#2 n-Decane (C10)

R.T.: 4.683 min
Delta R.T.: 0.000 min
Response: 5622532
Conc: 50.08 ug/ml



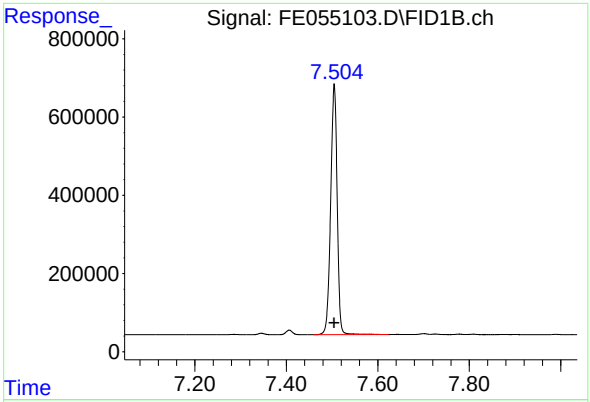

#3 A~Naphthalene (C11.7)

R.T.: 6.403 min
Delta R.T.: 0.000 min
Response: 6498529
Conc: 50.12 ug/ml




#4 n-Dodecane (C12)

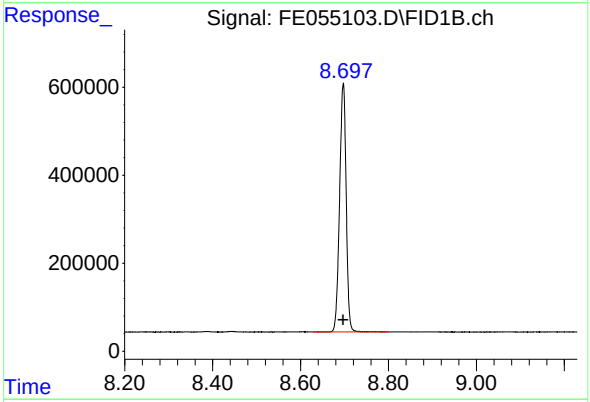
R.T.: 6.859 min
Delta R.T.: 0.000 min
Response: 5753858
Conc: 50.09 ug/ml




#5 A~2-methylnaphthalene (C12.89)

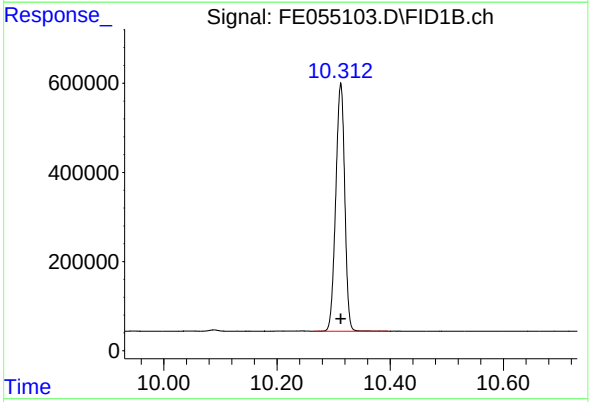
R.T.: 7.505 min
Delta R.T.: 0.000 min
Response: 6326213
Conc: 49.99 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
50 PPM ALIPHATIC HC STD2



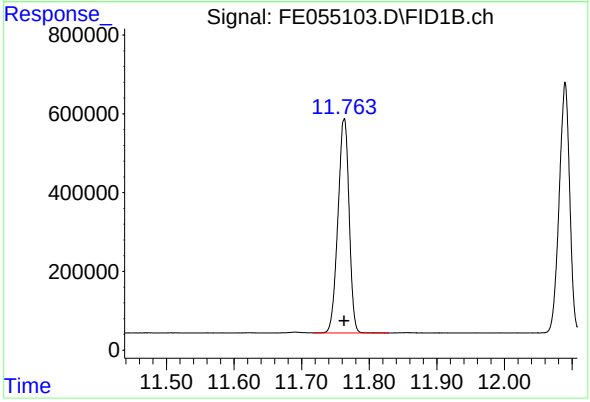

#6 n-Tetradecane (C14)

R.T.: 8.697 min
Delta R.T.: 0.000 min
Response: 5858546
Conc: 49.94 ug/ml



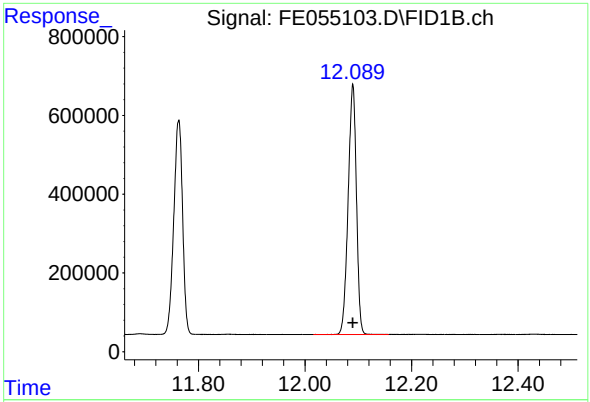

#7 n-Hexadecane (C16)

R.T.: 10.312 min
Delta R.T.: 0.000 min
Response: 6127256
Conc: 49.91 ug/ml




#8 n-Octadecane (C18)

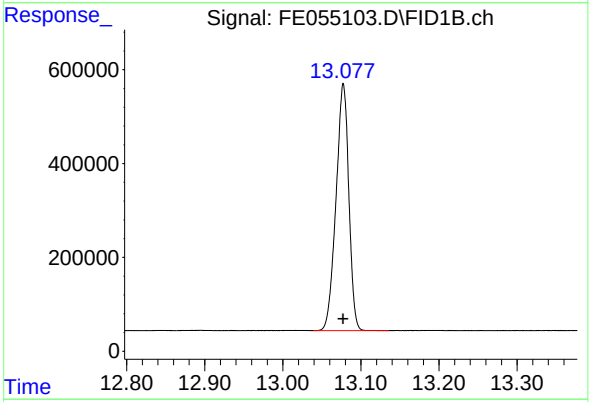
R.T.: 11.763 min
Delta R.T.: 0.000 min
Response: 6239947
Conc: 49.82 ug/ml




#9 ortho-Terphenyl (SURR)

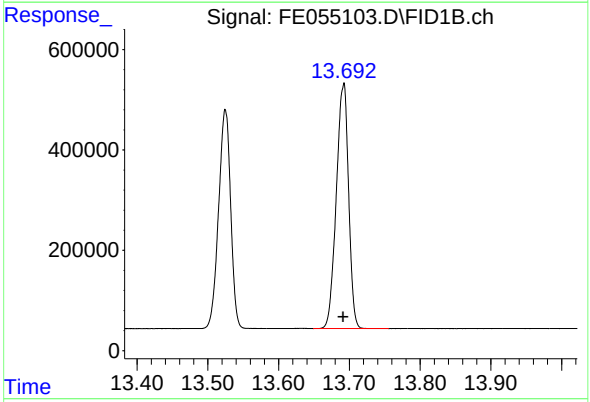
R.T.: 12.090 min
Delta R.T.: 0.000 min
Response: 6842277
Conc: 49.84 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
50 PPM ALIPHATIC HC STD2



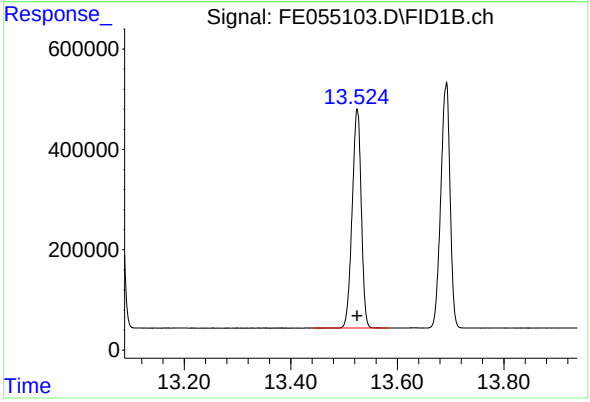

#10 n-Eicosane (C20)

R.T.: 13.077 min
Delta R.T.: 0.000 min
Response: 5995916
Conc: 49.77 ug/ml



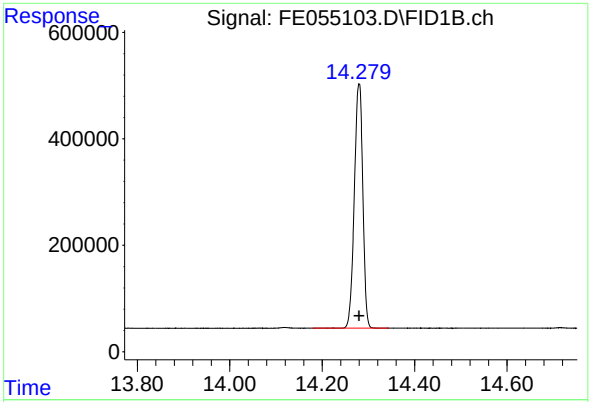

#11 n-Heneicosane (C21)

R.T.: 13.691 min
Delta R.T.: 0.000 min
Response: 5891927
Conc: 49.79 ug/ml




#12 1-chlorooctadecane (SURR)

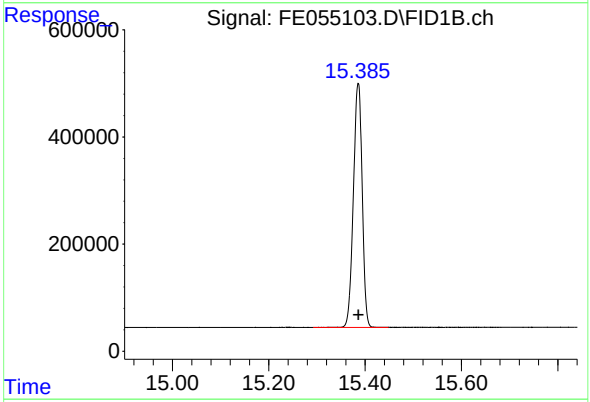
R.T.: 13.525 min
Delta R.T.: 0.000 min
Response: 5171408
Conc: 49.83 ug/ml




#13 n-Docosane (C22)

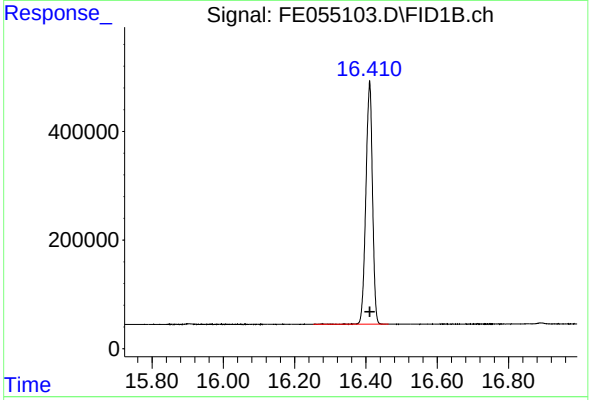
R.T.: 14.280 min
Delta R.T.: 0.000 min
Response: 5850962
Conc: 49.83 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
50 PPM ALIPHATIC HC STD2



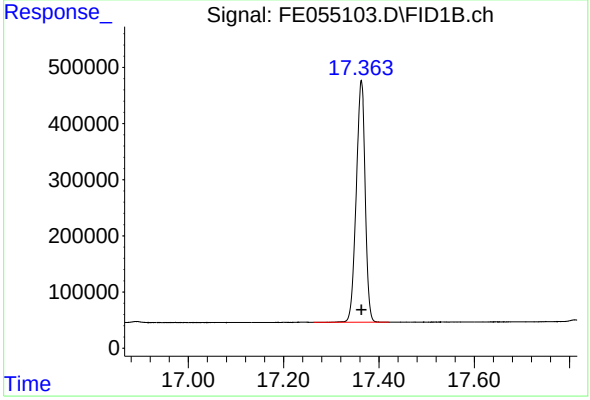

#14 n-Tetracosane (C24)

R.T.: 15.386 min
Delta R.T.: 0.000 min
Response: 5809853
Conc: 49.80 ug/ml



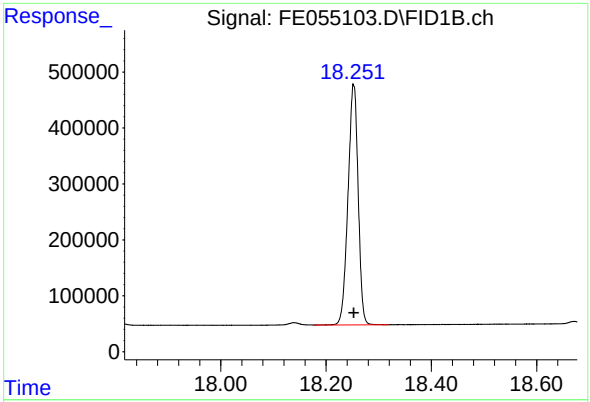

#15 n-Hexacosane (C26)

R.T.: 16.410 min
Delta R.T.: 0.000 min
Response: 5728334
Conc: 49.87 ug/ml




#16 n-Octacosane (C28)

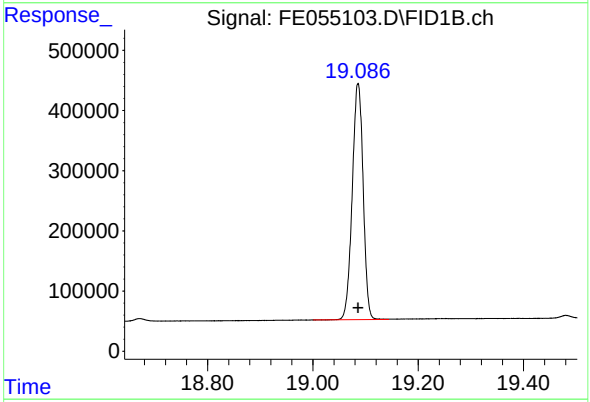
R.T.: 17.363 min
Delta R.T.: 0.000 min
Response: 5634944
Conc: 49.83 ug/ml




#17 n-Tricontane (C30)

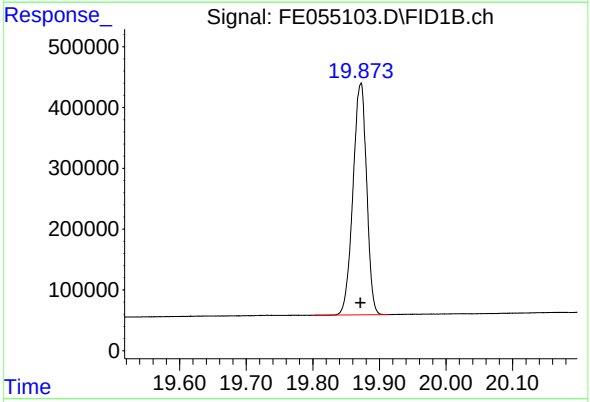
R.T.: 18.252 min
Delta R.T.: 0.000 min
Response: 5744409
Conc: 49.77 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
50 PPM ALIPHATIC HC STD2



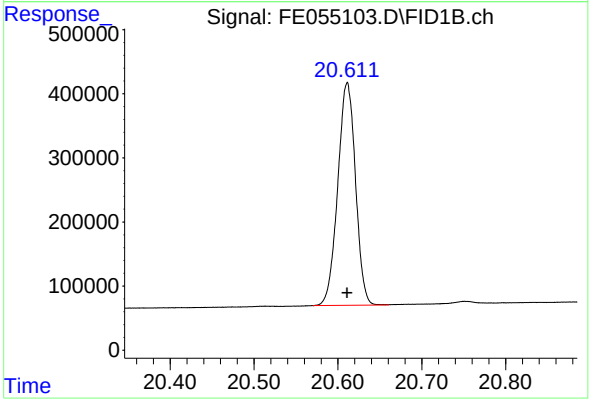

#18 n-Dotriacontane (C32)

R.T.: 19.086 min
Delta R.T.: 0.000 min
Response: 5642852
Conc: 49.95 ug/ml



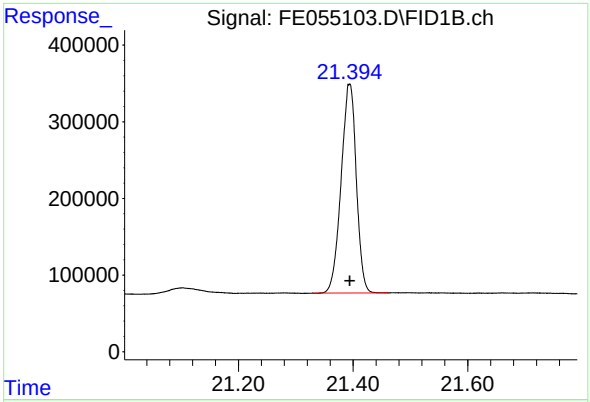

#19 n-Tetratriacontane (C34)

R.T.: 19.872 min
Delta R.T.: 0.000 min
Response: 5420838
Conc: 49.87 ug/ml




#20 n-Hexatriacontane (C36)

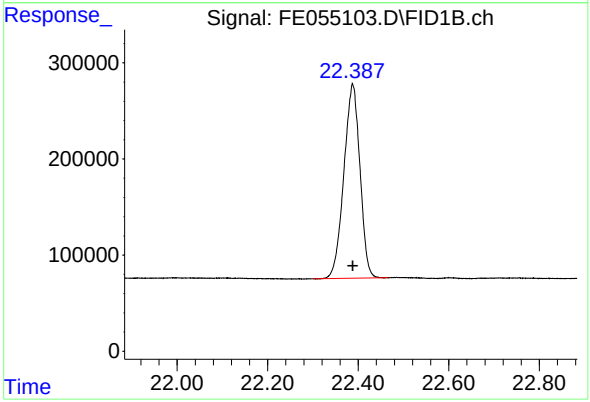
R.T.: 20.611 min
Delta R.T.: 0.000 min
Response: 5110739
Conc: 50.05 ug/ml




#21 n-Octatriacontane (C38)

R.T.: 21.394 min
Delta R.T.: 0.000 min
Response: 5015684
Conc: 49.81 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
50 PPM ALIPHATIC HC STD2




#22 n-Tetracontane (C40)

R.T.: 22.388 min
Delta R.T.: 0.000 min
Response: 4974221
Conc: 50.11 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055103.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 11:54
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1B.ch

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|
| 1 | 3.424 | 3.385 | 3.497 | BB | 563993 | 5514791 | 80.60% | 4.350% |
| 2 | 4.683 | 4.642 | 4.762 | BB | 572237 | 5622532 | 82.17% | 4.435% |
| 3 | 6.403 | 6.370 | 6.509 | BB | 697210 | 6498529 | 94.98% | 5.126% |
| 4 | 6.859 | 6.794 | 6.927 | BB | 579388 | 5753858 | 84.09% | 4.539% |
| 5 | 7.505 | 7.459 | 7.624 | BV | 640818 | 6326213 | 92.46% | 4.990% |
| 6 | 8.697 | 8.629 | 8.800 | BB | 563836 | 5858546 | 85.62% | 4.621% |
| 7 | 10.312 | 10.264 | 10.397 | PB | 554501 | 6127256 | 89.55% | 4.833% |
| 8 | 11.763 | 11.717 | 11.829 | VB | 543106 | 6239947 | 91.20% | 4.922% |
| 9 | 12.090 | 12.015 | 12.157 | BB | 638056 | 6842277 | 100.00% | 5.397% |
| 10 | 13.077 | 13.039 | 13.135 | PB | 527247 | 5995916 | 87.63% | 4.730% |
| 11 | 13.525 | 13.442 | 13.584 | BB | 435482 | 5171408 | 75.58% | 4.079% |
| 12 | 13.691 | 13.649 | 13.755 | PB | 488862 | 5891927 | 86.11% | 4.648% |
| 13 | 14.280 | 14.180 | 14.344 | BB | 459818 | 5850962 | 85.51% | 4.615% |
| 14 | 15.386 | 15.292 | 15.449 | BB | 456155 | 5809853 | 84.91% | 4.583% |
| 15 | 16.410 | 16.252 | 16.464 | BB | 448448 | 5728334 | 83.72% | 4.518% |
| 16 | 17.363 | 17.262 | 17.420 | BB | 429672 | 5634944 | 82.35% | 4.445% |
| 17 | 18.252 | 18.175 | 18.319 | PB | 429799 | 5744409 | 83.95% | 4.531% |
| 18 | 19.086 | 19.000 | 19.144 | BV | 392159 | 5642852 | 82.47% | 4.451% |
| 19 | 19.872 | 19.800 | 19.914 | BV | 380396 | 5420838 | 79.23% | 4.276% |
| 20 | 20.611 | 20.570 | 20.660 | BV | 346747 | 5110739 | 74.69% | 4.031% |
| 21 | 21.394 | 21.330 | 21.462 | BB | 272074 | 5015684 | 73.30% | 3.956% |
| 22 | 22.388 | 22.300 | 22.467 | BV | 202367 | 4974221 | 72.70% | 3.924% |

Sum of corrected areas: 126776034

Aliphatic EPH 080125.M Fri Aug 01 15:05:23 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055104.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 12:25
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
FID_E
**ClientSampleId :**
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Aug 01 12:57:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 12:56:55 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) | 12.087 | 2847777 | 20.000 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 40.00% |
| 12) | S 1-chlorooctadecane (S... | 13.522 | 2145943 | 20.000 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 40.00% |
| | Target Compounds | | | |
| 1) | T n-Nonane (C9) | 3.423 | 2293663 | 20.000 ug/ml |
| 2) | T n-Decane (C10) | 4.682 | 2330344 | 20.000 ug/ml |
| 3) | T A~Naphthalene (C11.7) | 6.401 | 2685834 | 20.000 ug/ml |
| 4) | T n-Dodecane (C12) | 6.857 | 2379703 | 20.000 ug/ml |
| 5) | T A~2-methylnaphthalene... | 7.502 | 2614202 | 20.000 ug/ml |
| 6) | T n-Tetradecane (C14) | 8.695 | 2443850 | 20.000 ug/ml |
| 7) | T n-Hexadecane (C16) | 10.310 | 2550070 | 20.000 ug/ml |
| 8) | T n-Octadecane (C18) | 11.759 | 2603047 | 20.000 ug/ml |
| 10) | T n-Eicosane (C20) | 13.074 | 2504470 | 20.000 ug/ml |
| 11) | T n-Heneicosane (C21) | 13.688 | 2458940 | 20.000 ug/ml |
| 13) | T n-Docosane (C22) | 14.277 | 2436487 | 20.000 ug/ml |
| 14) | T n-Tetracosane (C24) | 15.383 | 2425424 | 20.000 ug/ml |
| 15) | T n-Hexacosane (C26) | 16.407 | 2384923 | 20.000 ug/ml |
| 16) | T n-Octacosane (C28) | 17.359 | 2354861 | 20.000 ug/ml |
| 17) | T n-Tricontane (C30) | 18.249 | 2413903 | 20.000 ug/ml |
| 18) | T n-Dotriacontane (C32) | 19.083 | 2353404 | 20.000 ug/ml |
| 19) | T n-Tetratriacontane (C34) | 19.868 | 2263836 | 20.000 ug/ml |
| 20) | T n-Hexatriacontane (C36) | 20.609 | 2110743 | 20.000 ug/ml |
| 21) | T n-Octatriacontane (C38) | 21.389 | 2094471 | 20.000 ug/ml |
| 22) | T n-Tetracontane (C40) | 22.384 | 2043499 | 20.000 ug/ml |

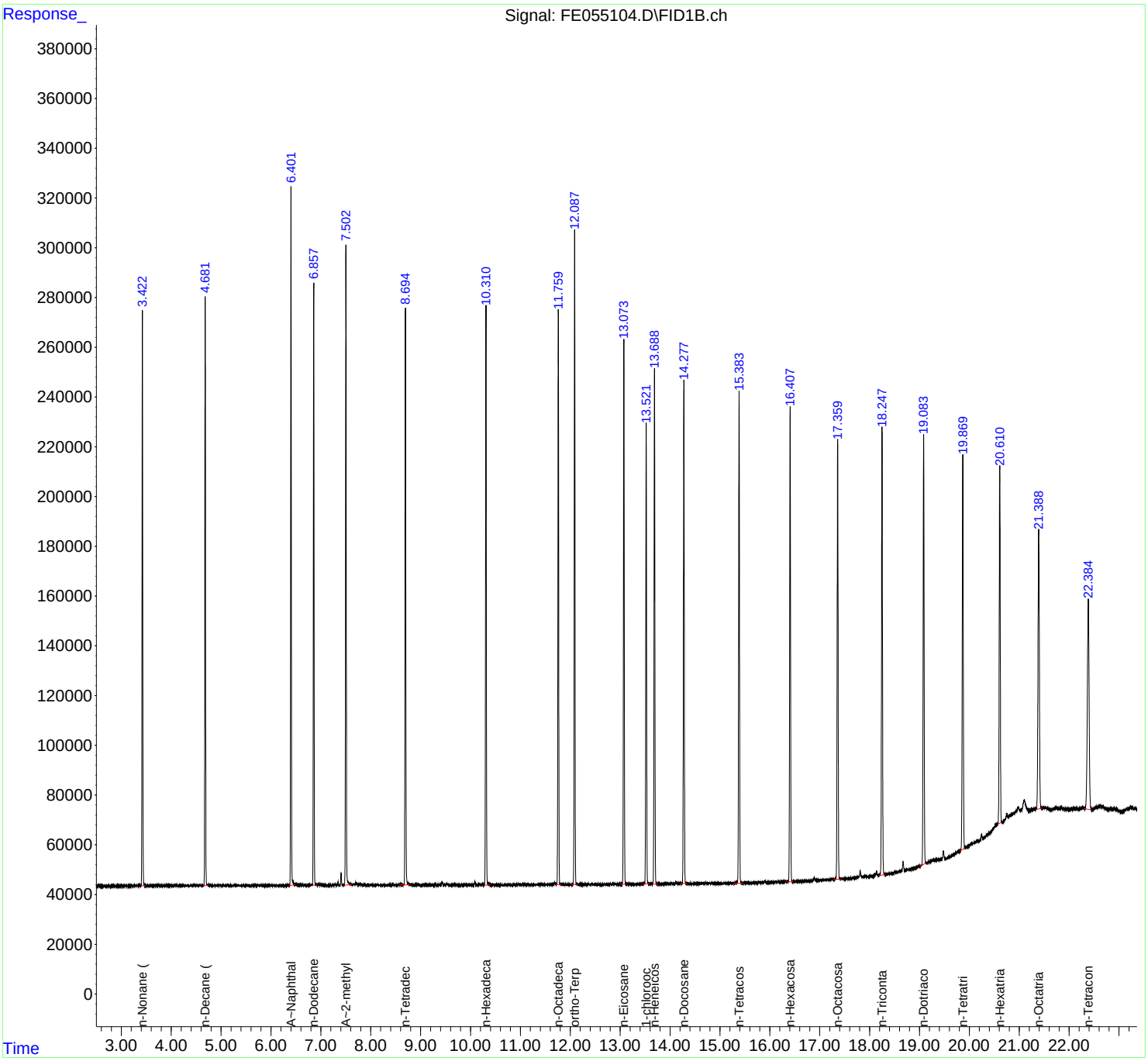
(f)=RT Delta > 1/2 Window (m)=manual int.

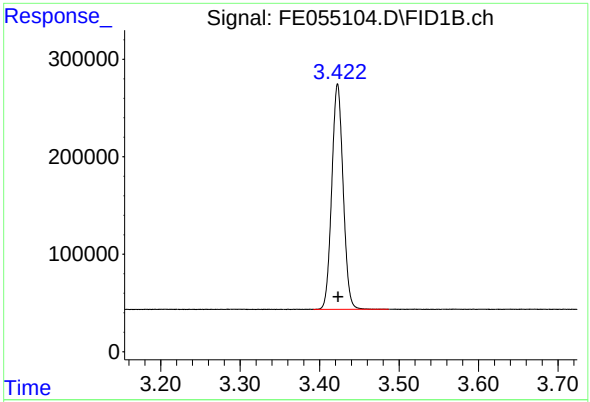
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055104.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 12:25
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
FID_E
**ClientSampleId :**
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Aug 01 12:57:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 12:56:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

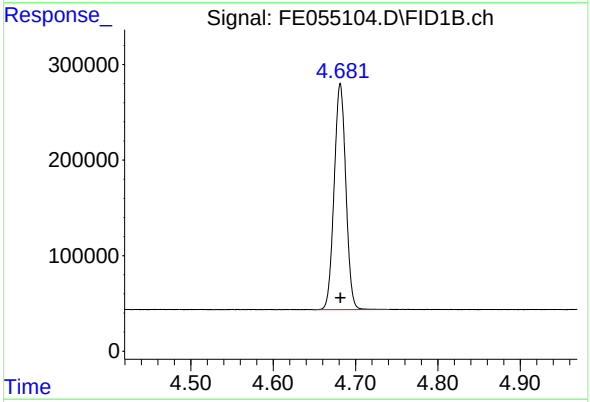





#1 n-Nonane (C9)

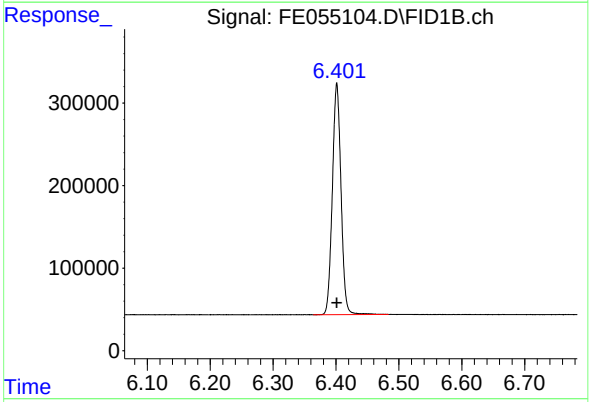
R.T.: 3.423 min
Delta R.T.: 0.000 min
Response: 2293663
Conc: 20.00 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
20 PPM ALIPHATIC HC STD3



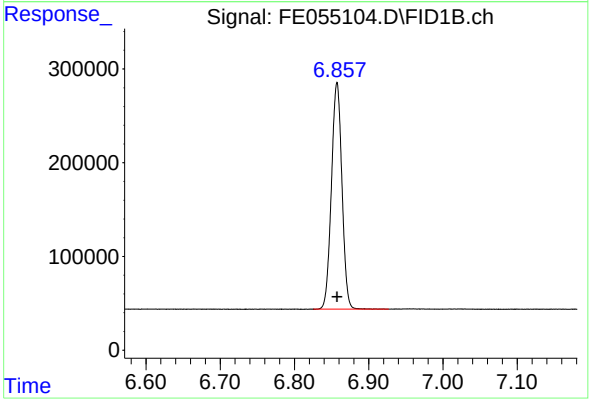

#2 n-Decane (C10)

R.T.: 4.682 min
Delta R.T.: 0.000 min
Response: 2330344
Conc: 20.00 ug/ml



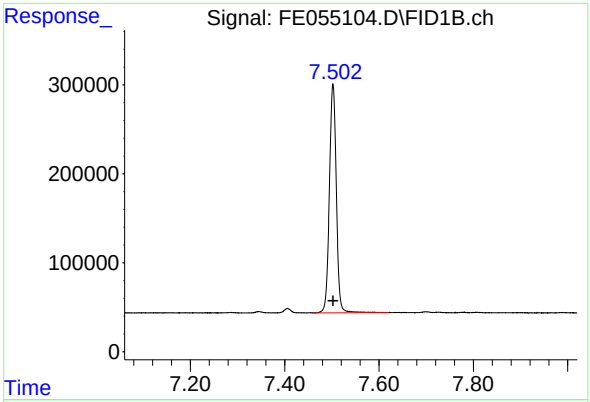

#3 A~Naphthalene (C11.7)

R.T.: 6.401 min
Delta R.T.: 0.000 min
Response: 2685834
Conc: 20.00 ug/ml




#4 n-Dodecane (C12)

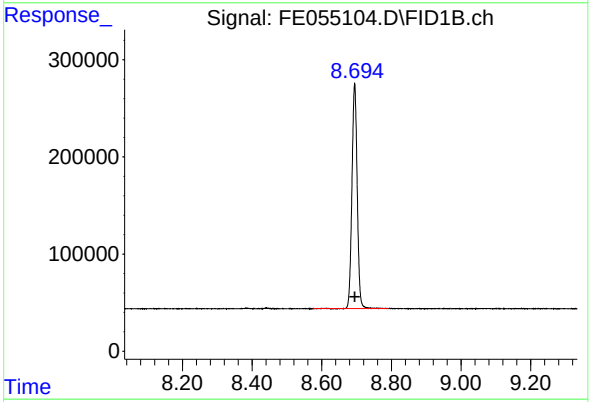
R.T.: 6.857 min
Delta R.T.: 0.000 min
Response: 2379703
Conc: 20.00 ug/ml




#5 A~2-methylnaphthalene (C12.89)

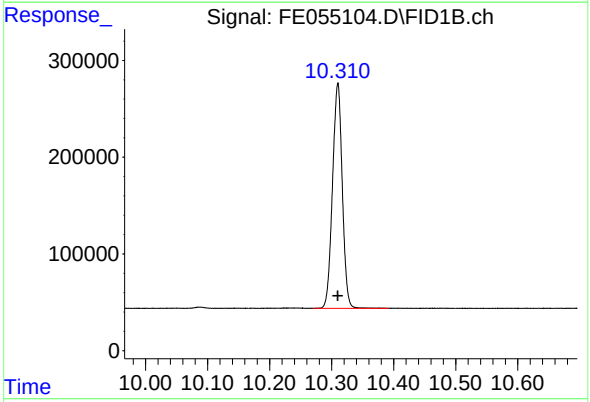
R.T.: 7.502 min
Delta R.T.: 0.000 min
Response: 2614202
Conc: 20.00 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
20 PPM ALIPHATIC HC STD3



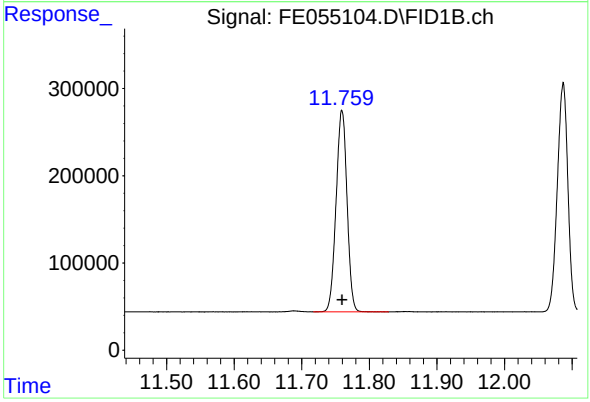

#6 n-Tetradecane (C14)

R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 2443850
Conc: 20.00 ug/ml



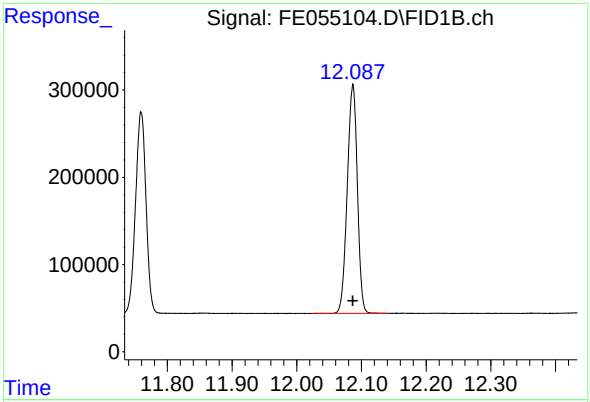

#7 n-Hexadecane (C16)

R.T.: 10.310 min
Delta R.T.: 0.000 min
Response: 2550070
Conc: 20.00 ug/ml




#8 n-Octadecane (C18)

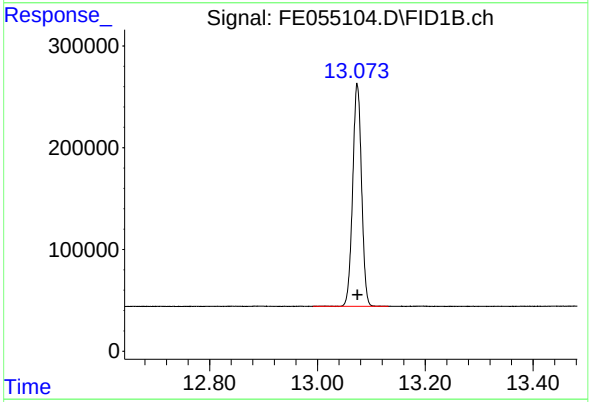
R.T.: 11.759 min
Delta R.T.: 0.000 min
Response: 2603047
Conc: 20.00 ug/ml




#9 ortho-Terphenyl (SURR)

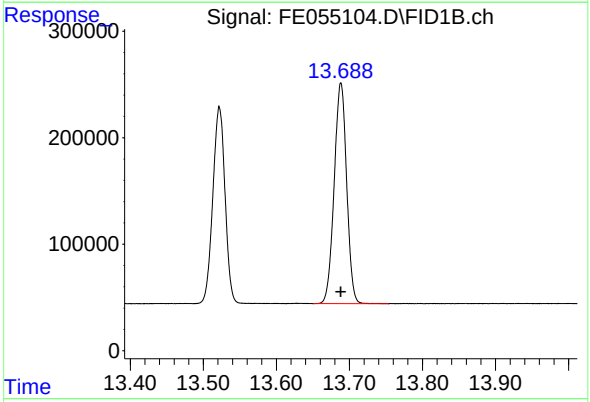
R.T.: 12.087 min
Delta R.T.: 0.000 min
Response: 2847777
Conc: 20.00 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
20 PPM ALIPHATIC HC STD3



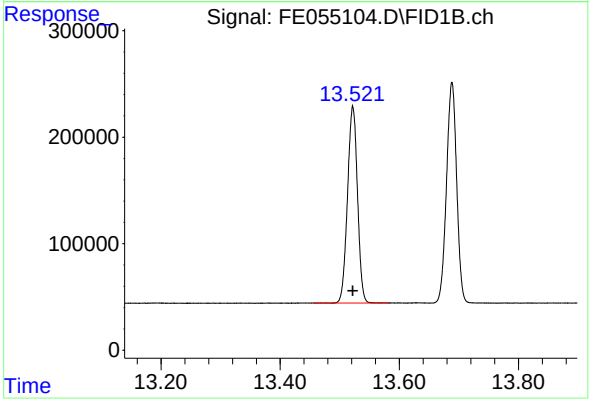

#10 n-Eicosane (C20)

R.T.: 13.074 min
Delta R.T.: 0.000 min
Response: 2504470
Conc: 20.00 ug/ml



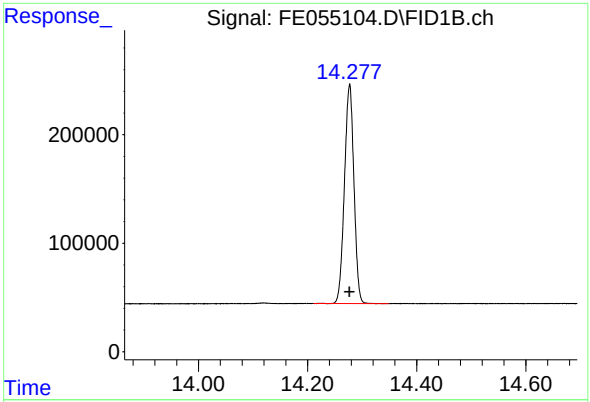

#11 n-Heneicosane (C21)

R.T.: 13.688 min
Delta R.T.: 0.000 min
Response: 2458940
Conc: 20.00 ug/ml




#12 1-chlorooctadecane (SURR)

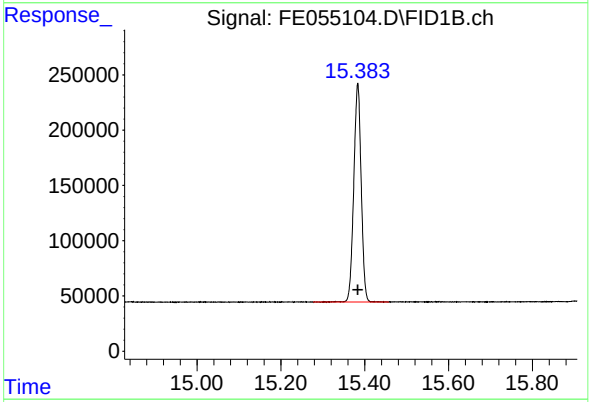
R.T.: 13.522 min
Delta R.T.: 0.000 min
Response: 2145943
Conc: 20.00 ug/ml




#13 n-Docosane (C22)

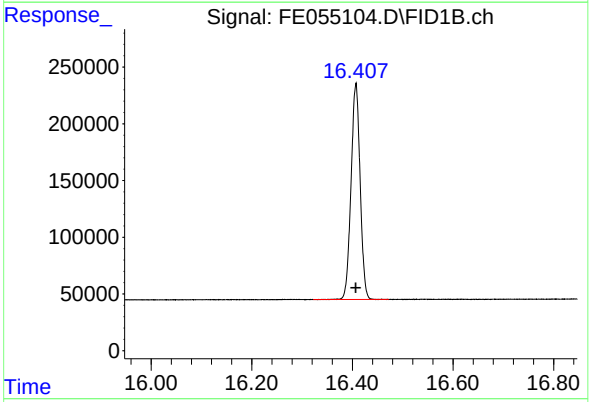
R.T.: 14.277 min
Delta R.T.: 0.000 min
Response: 2436487
Conc: 20.00 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
20 PPM ALIPHATIC HC STD3



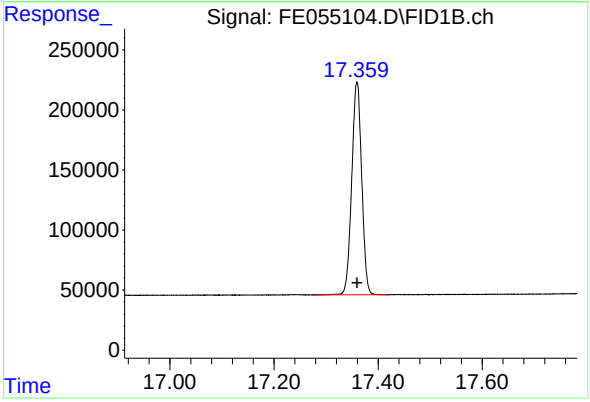

#14 n-Tetracosane (C24)

R.T.: 15.383 min
Delta R.T.: 0.000 min
Response: 2425424
Conc: 20.00 ug/ml



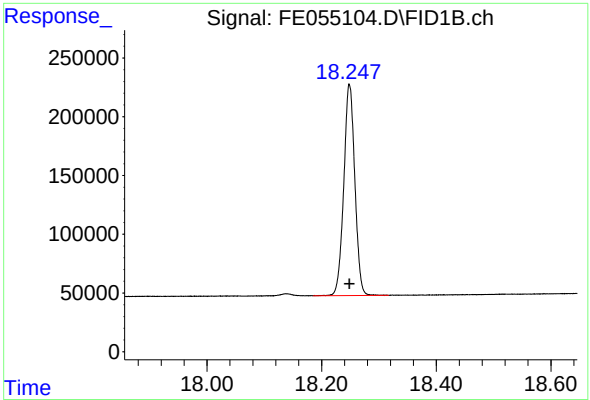

#15 n-Hexacosane (C26)

R.T.: 16.407 min
Delta R.T.: 0.000 min
Response: 2384923
Conc: 20.00 ug/ml




#16 n-Octacosane (C28)

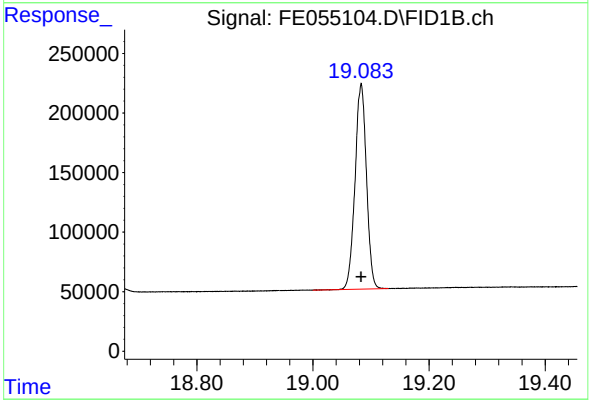
R.T.: 17.359 min
Delta R.T.: 0.000 min
Response: 2354861
Conc: 20.00 ug/ml




#17 n-Tricontane (C30)

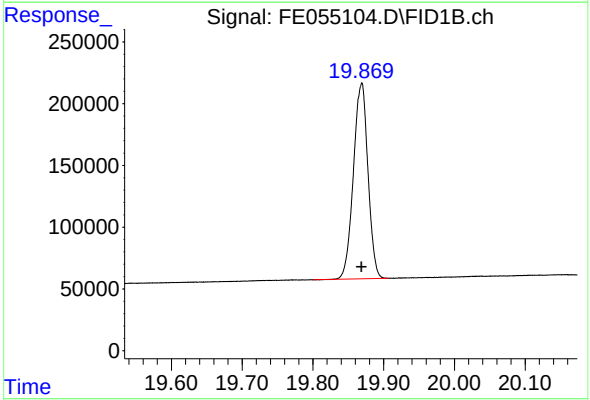
R.T.: 18.249 min
Delta R.T.: 0.000 min
Response: 2413903
Conc: 20.00 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
20 PPM ALIPHATIC HC STD3



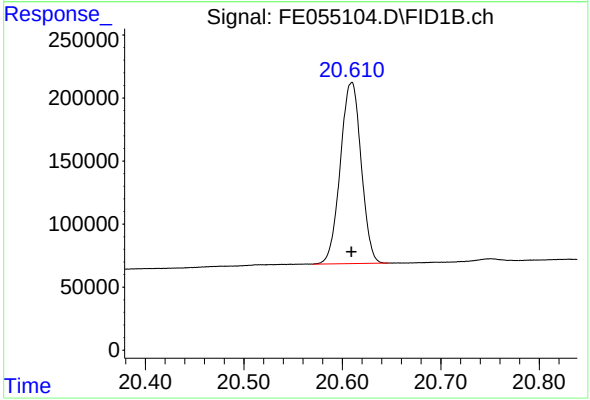

#18 n-Dotriacontane (C32)

R.T.: 19.083 min
Delta R.T.: 0.000 min
Response: 2353404
Conc: 20.00 ug/ml



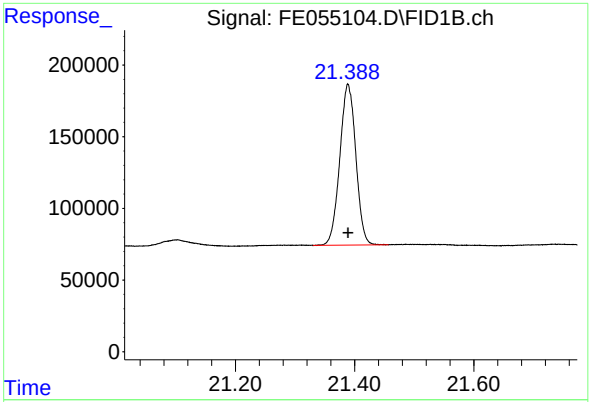

#19 n-Tetratriacontane (C34)

R.T.: 19.868 min
Delta R.T.: 0.000 min
Response: 2263836
Conc: 20.00 ug/ml




#20 n-Hexatriacontane (C36)

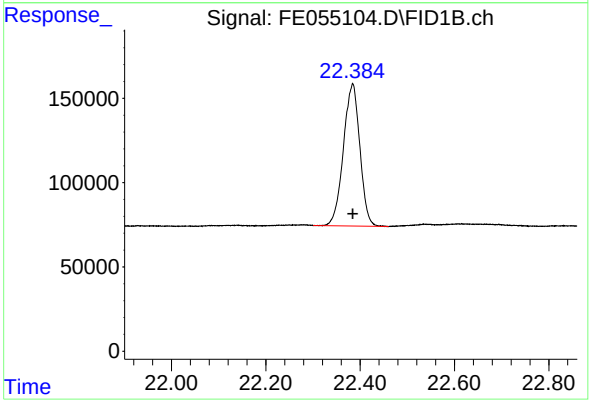
R.T.: 20.609 min
Delta R.T.: 0.000 min
Response: 2110743
Conc: 20.00 ug/ml




#21 n-Octatriacontane (C38)

R.T.: 21.389 min
Delta R.T.: 0.000 min
Response: 2094471
Conc: 20.00 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
20 PPM ALIPHATIC HC STD3




#22 n-Tetracontane (C40)

R.T.: 22.384 min
Delta R.T.: 0.000 min
Response: 2043499
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055104.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 12:25
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1B.ch

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|
| 1 | 3.423 | 3.392 | 3.487 | BB | 231134 | 2293663 | 80.54% | 4.349% |
| 2 | 4.682 | 4.649 | 4.740 | BB | 236437 | 2330344 | 81.83% | 4.419% |
| 3 | 6.401 | 6.364 | 6.484 | BB | 280151 | 2685834 | 94.31% | 5.093% |
| 4 | 6.857 | 6.825 | 6.927 | BB | 241634 | 2379703 | 83.56% | 4.512% |
| 5 | 7.502 | 7.460 | 7.620 | BB | 257118 | 2614202 | 91.80% | 4.957% |
| 6 | 8.695 | 8.575 | 8.792 | BB | 232754 | 2443850 | 85.82% | 4.634% |
| 7 | 10.310 | 10.270 | 10.392 | BB | 233592 | 2550070 | 89.55% | 4.835% |
| 8 | 11.759 | 11.717 | 11.829 | VB | 230527 | 2603047 | 91.41% | 4.936% |
| 9 | 12.087 | 12.025 | 12.142 | BB | 263143 | 2847777 | 100.00% | 5.400% |
| 10 | 13.074 | 12.992 | 13.132 | BB | 218561 | 2504470 | 87.94% | 4.749% |
| 11 | 13.522 | 13.455 | 13.582 | BB | 184792 | 2145943 | 75.36% | 4.069% |
| 12 | 13.688 | 13.650 | 13.754 | PB | 207585 | 2458940 | 86.35% | 4.662% |
| 13 | 14.277 | 14.210 | 14.349 | BB | 202172 | 2436487 | 85.56% | 4.620% |
| 14 | 15.383 | 15.277 | 15.457 | BB | 197958 | 2425424 | 85.17% | 4.599% |
| 15 | 16.407 | 16.322 | 16.472 | BB | 189955 | 2384923 | 83.75% | 4.522% |
| 16 | 17.359 | 17.275 | 17.420 | BB | 176840 | 2354861 | 82.69% | 4.465% |
| 17 | 18.249 | 18.185 | 18.317 | BB | 179452 | 2413903 | 84.76% | 4.577% |
| 18 | 19.083 | 19.000 | 19.130 | BB | 173090 | 2353404 | 82.64% | 4.462% |
| 19 | 19.868 | 19.800 | 19.907 | BV | 158176 | 2263836 | 79.49% | 4.292% |
| 20 | 20.609 | 20.570 | 20.647 | BV | 143250 | 2110743 | 74.12% | 4.002% |
| 21 | 21.389 | 21.330 | 21.457 | BB | 112406 | 2094471 | 73.55% | 3.971% |
| 22 | 22.384 | 22.300 | 22.460 | BV | 84561 | 2043499 | 71.76% | 3.875% |

Sum of corrected areas: 52739394

Aliphatic EPH 080125.M Fri Aug 01 15:04:37 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055105.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 12:55
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
FID_E
**ClientSampleId :**
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Aug 01 13:19:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:19:19 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) | 12.085 | 1465719 | 10.499 ug/ml |
| | Spiked Amount 50.000 | | Recovery = 21.00% | |
| 12) | S 1-chlorooctadecane (S... | 13.521 | 1101100 | 10.451 ug/ml |
| | Spiked Amount 50.000 | | Recovery = 20.90% | |
| | **Target Compounds** | | | |
| 1) | T n-Nonane (C9) | 3.423 | 1173056 | 10.475 ug/ml |
| 2) | T n-Decane (C10) | 4.681 | 1191456 | 10.452 ug/ml |
| 3) | T A~Naphthalene (C11.7) | 6.401 | 1371559 | 10.427 ug/ml |
| 4) | T n-Dodecane (C12) | 6.857 | 1212805 | 10.412 ug/ml |
| 5) | T A~2-methylnaphthalene... | 7.502 | 1327736 | 10.365 ug/ml |
| 6) | T n-Tetradecane (C14) | 8.694 | 1256245 | 10.522 ug/ml |
| 7) | T n-Hexadecane (C16) | 10.309 | 1306485 | 10.474 ug/ml |
| 8) | T n-Octadecane (C18) | 11.759 | 1339624 | 10.513 ug/ml |
| 10) | T n-Eicosane (C20) | 13.073 | 1290714 | 10.525 ug/ml |
| 11) | T n-Heneicosane (C21) | 13.687 | 1263179 | 10.497 ug/ml |
| 13) | T n-Docosane (C22) | 14.275 | 1252588 | 10.492 ug/ml |
| 14) | T n-Tetracosane (C24) | 15.382 | 1249742 | 10.525 ug/ml |
| 15) | T n-Hexacosane (C26) | 16.406 | 1228030 | 10.509 ug/ml |
| 16) | T n-Octacosane (C28) | 17.358 | 1218469 | 10.570 ug/ml |
| 17) | T n-Tricontane (C30) | 18.248 | 1265398 | 10.706 ug/ml |
| 18) | T n-Dotriacontane (C32) | 19.082 | 1247513 | 10.762 ug/ml |
| 19) | T n-Tetratriacontane (C34) | 19.866 | 1189288 | 10.689 ug/ml |
| 20) | T n-Hexatriacontane (C36) | 20.607 | 1108488 | 10.629 ug/ml |
| 21) | T n-Octatriacontane (C38) | 21.389 | 1141544 | 10.970 ug/ml |
| 22) | T n-Tetracontane (C40) | 22.381 | 1072991 | 10.595 ug/ml |

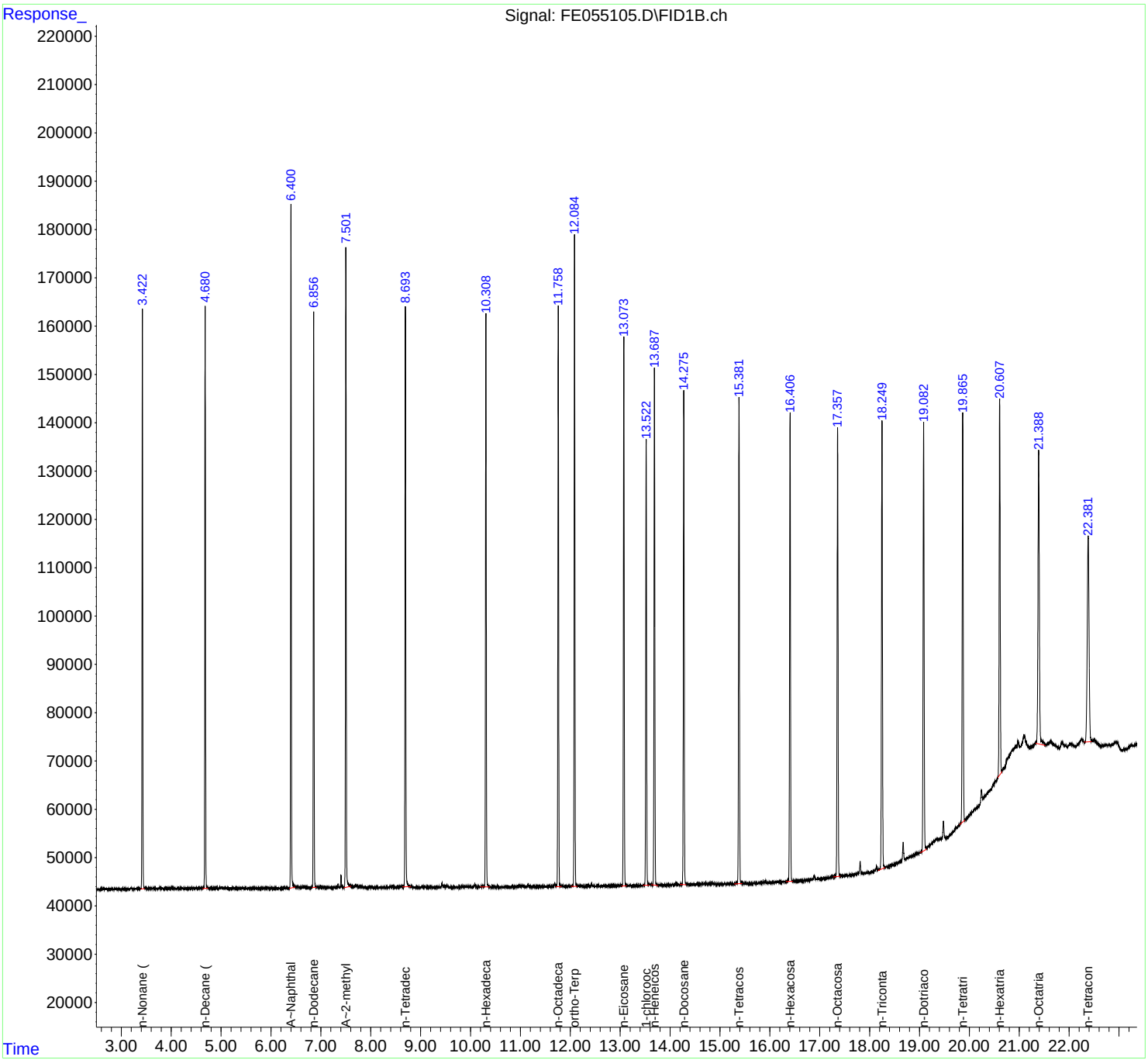
(f)=RT Delta > 1/2 Window (m)=manual int.

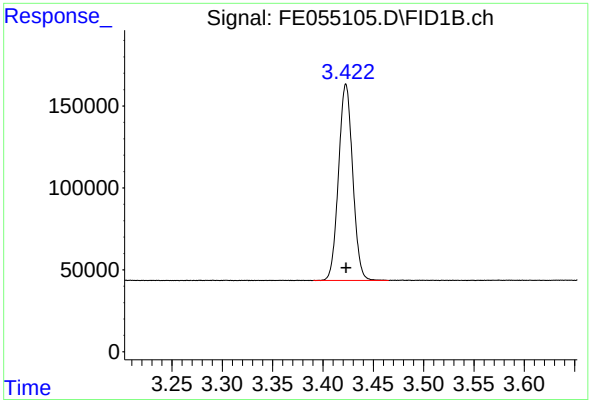
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055105.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 12:55
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
FID_E
**ClientSampleId :**
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Aug 01 13:19:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:19:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

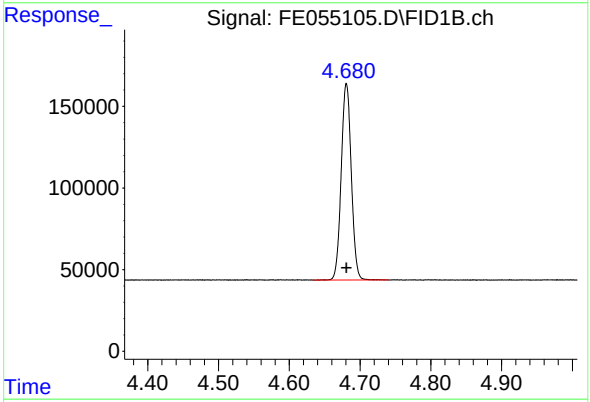





#1 n-Nonane (C9)

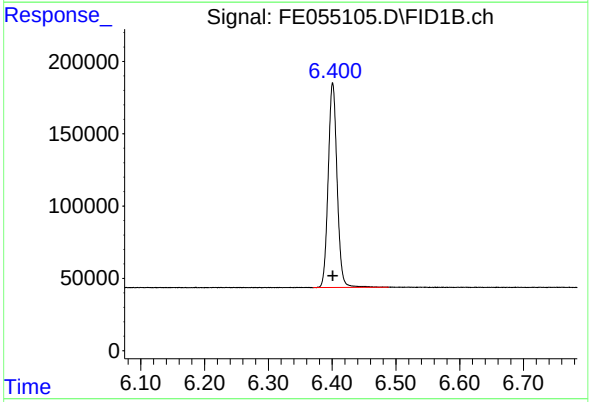
R.T.: 3.423 min
Delta R.T.: 0.000 min
Response: 1173056
Conc: 10.47 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
10 PPM ALIPHATIC HC STD4



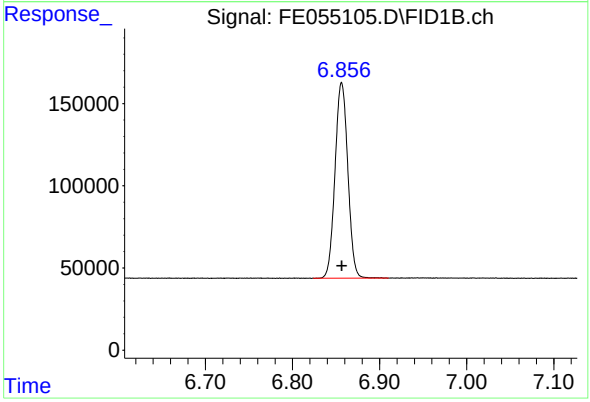

#2 n-Decane (C10)

R.T.: 4.681 min
Delta R.T.: 0.000 min
Response: 1191456
Conc: 10.45 ug/ml



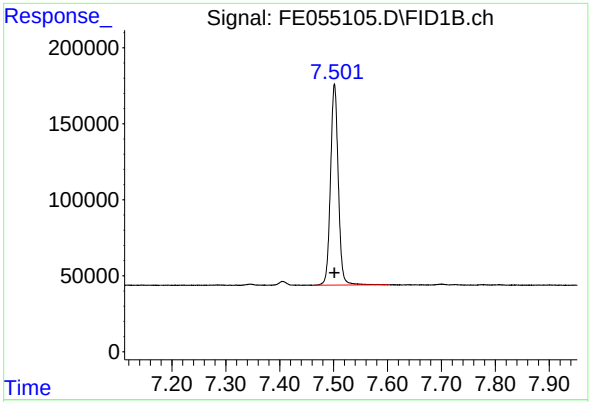

#3 A~Naphthalene (C11.7)

R.T.: 6.401 min
Delta R.T.: 0.000 min
Response: 1371559
Conc: 10.43 ug/ml




#4 n-Dodecane (C12)

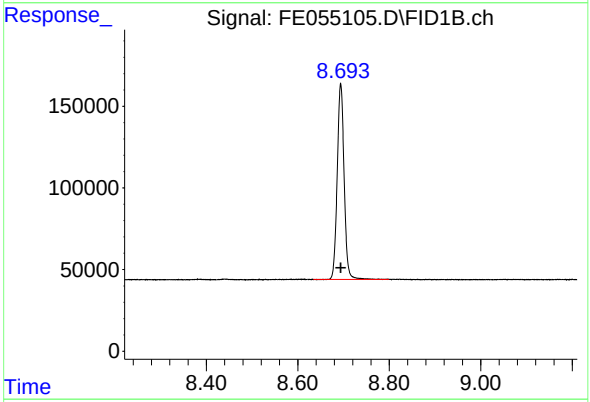
R.T.: 6.857 min
Delta R.T.: 0.000 min
Response: 1212805
Conc: 10.41 ug/ml




#5 A~2-methylnaphthalene (C12.89)

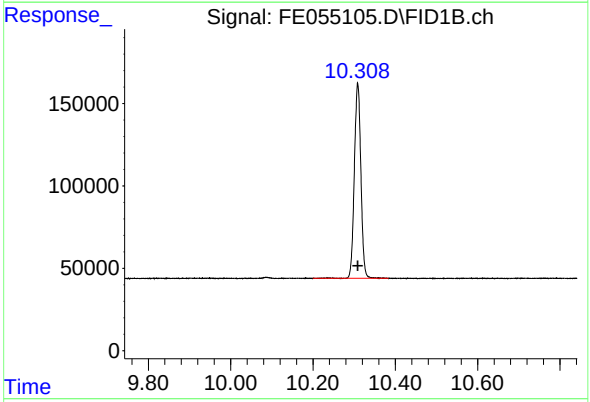
R.T.: 7.502 min
Delta R.T.: 0.000 min
Response: 1327736
Conc: 10.36 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
10 PPM ALIPHATIC HC STD4



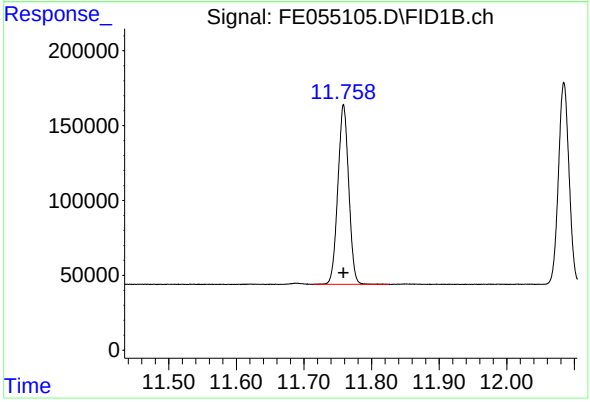

#6 n-Tetradecane (C14)

R.T.: 8.694 min
Delta R.T.: 0.000 min
Response: 1256245
Conc: 10.52 ug/ml



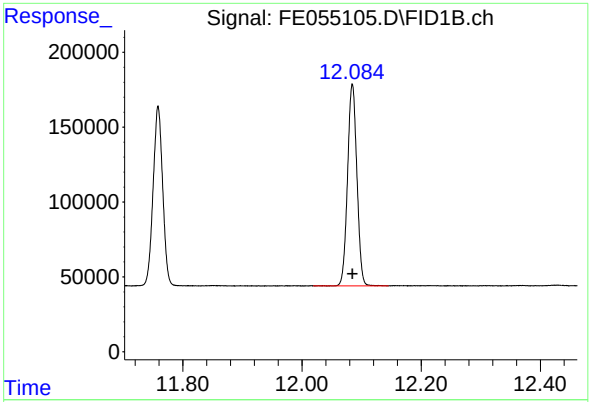

#7 n-Hexadecane (C16)

R.T.: 10.309 min
Delta R.T.: 0.000 min
Response: 1306485
Conc: 10.47 ug/ml




#8 n-Octadecane (C18)

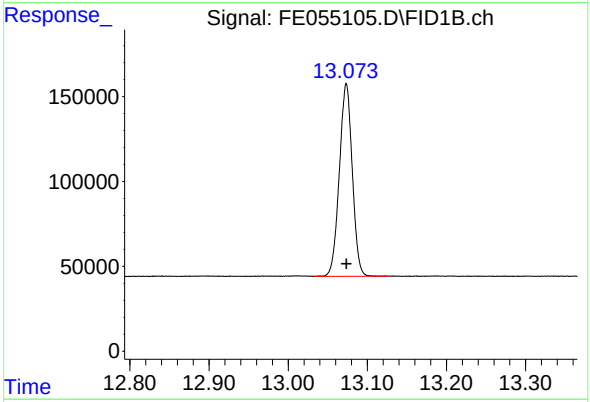
R.T.: 11.759 min
Delta R.T.: 0.000 min
Response: 1339624
Conc: 10.51 ug/ml




#9 ortho-Terphenyl (SURR)

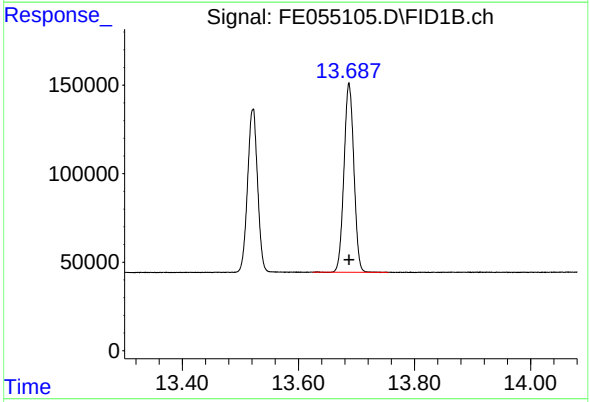
R.T.: 12.085 min
Delta R.T.: 0.000 min
Response: 1465719
Conc: 10.50 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
10 PPM ALIPHATIC HC STD4



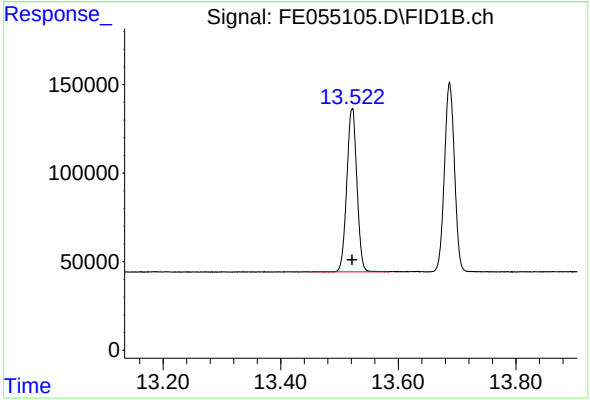

#10 n-Eicosane (C20)

R.T.: 13.073 min
Delta R.T.: 0.000 min
Response: 1290714
Conc: 10.53 ug/ml



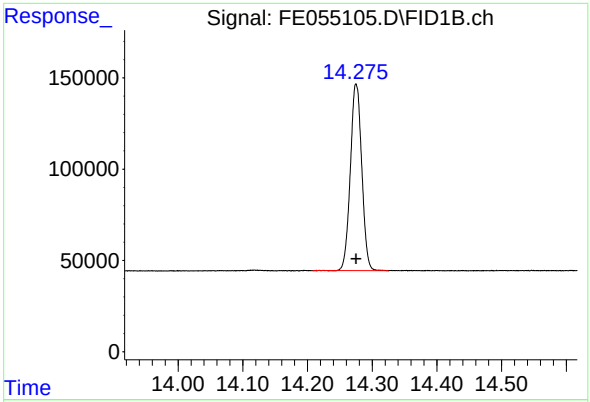

#11 n-Heneicosane (C21)

R.T.: 13.687 min
Delta R.T.: 0.000 min
Response: 1263179
Conc: 10.50 ug/ml




#12 1-chlorooctadecane (SURR)

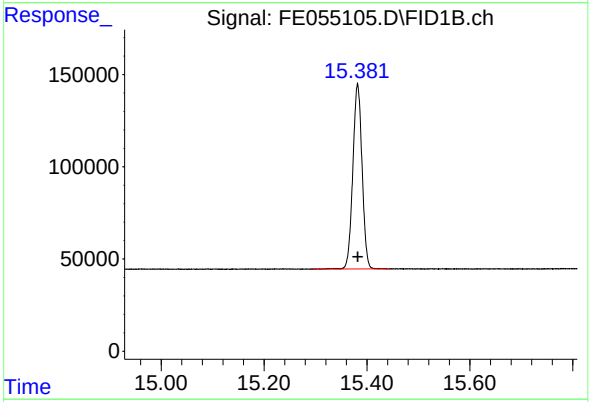
R.T.: 13.521 min
Delta R.T.: 0.000 min
Response: 1101100
Conc: 10.45 ug/ml




#13 n-Docosane (C22)

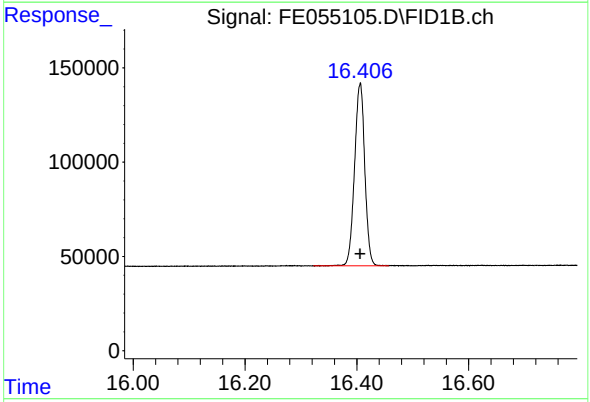
R.T.: 14.275 min
Delta R.T.: 0.000 min
Response: 1252588
Conc: 10.49 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
10 PPM ALIPHATIC HC STD4



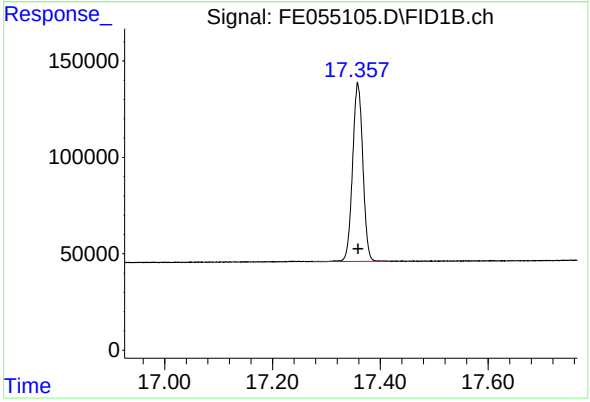

#14 n-Tetracosane (C24)

R.T.: 15.382 min
Delta R.T.: 0.000 min
Response: 1249742
Conc: 10.53 ug/ml



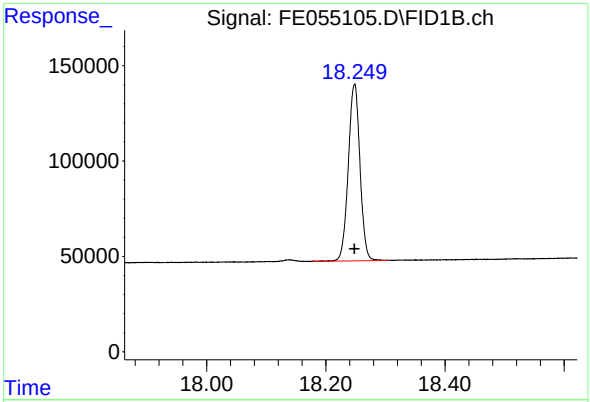

#15 n-Hexacosane (C26)

R.T.: 16.406 min
Delta R.T.: 0.000 min
Response: 1228030
Conc: 10.51 ug/ml




#16 n-Octacosane (C28)

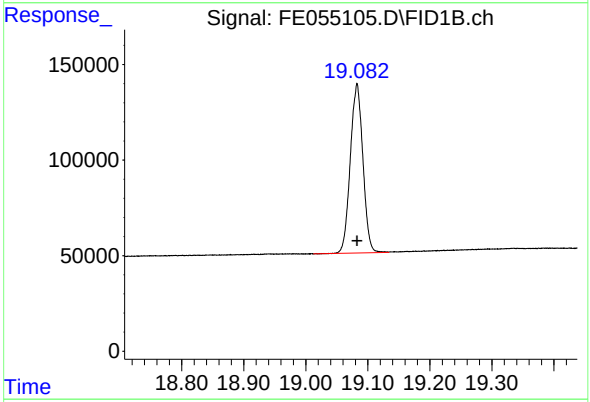
R.T.: 17.358 min
Delta R.T.: 0.000 min
Response: 1218469
Conc: 10.57 ug/ml




#17 n-Tricontane (C30)

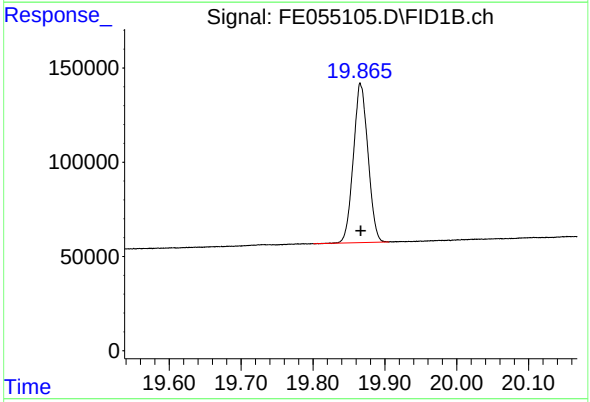
R.T.: 18.248 min
Delta R.T.: 0.000 min
Response: 1265398
Conc: 10.71 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
10 PPM ALIPHATIC HC STD4



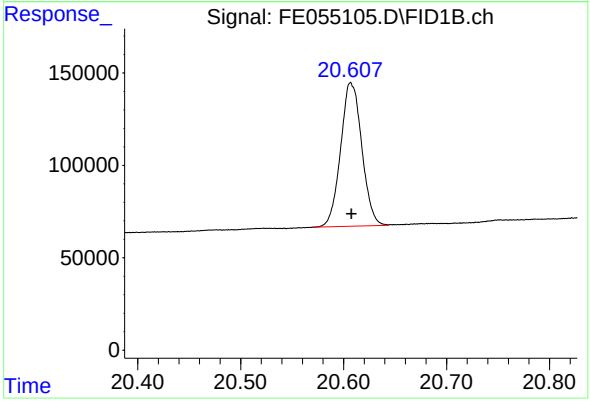

#18 n-Dotriacontane (C32)

R.T.: 19.082 min
Delta R.T.: 0.000 min
Response: 1247513
Conc: 10.76 ug/ml



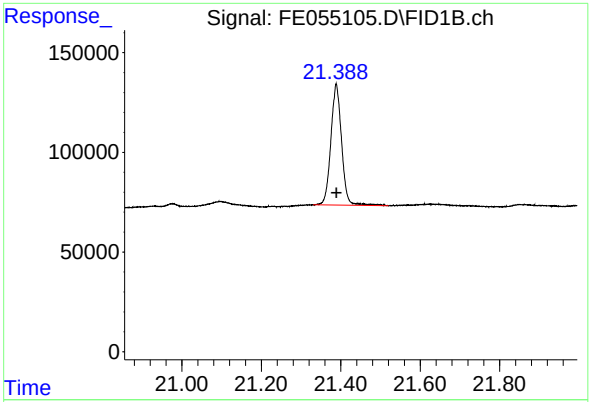

#19 n-Tetratriacontane (C34)

R.T.: 19.866 min
Delta R.T.: 0.000 min
Response: 1189288
Conc: 10.69 ug/ml




#20 n-Hexatriacontane (C36)

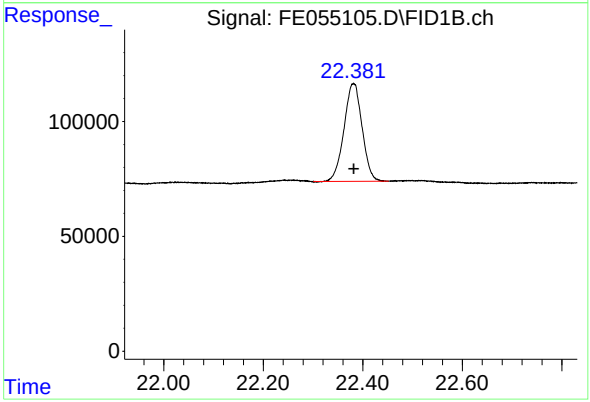
R.T.: 20.607 min
Delta R.T.: 0.000 min
Response: 1108488
Conc: 10.63 ug/ml




#21 n-Octatriacontane (C38)

R.T.: 21.389 min
Delta R.T.: 0.000 min
Response: 1141544
Conc: 10.97 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
10 PPM ALIPHATIC HC STD4




#22 n-Tetracontane (C40)

R.T.: 22.381 min
Delta R.T.: 0.000 min
Response: 1072991
Conc: 10.59 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055105.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 12:55
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1B.ch

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|
| 1 | 3.423 | 3.390 | 3.465 | BB | 120037 | 1173056 | 80.03% | 4.301% |
| 2 | 4.681 | 4.634 | 4.740 | BB | 120456 | 1191456 | 81.29% | 4.369% |
| 3 | 6.401 | 6.370 | 6.489 | BB | 141579 | 1371559 | 93.58% | 5.029% |
| 4 | 6.857 | 6.824 | 6.910 | BB | 118825 | 1212805 | 82.74% | 4.447% |
| 5 | 7.502 | 7.462 | 7.602 | BB | 132398 | 1327736 | 90.59% | 4.868% |
| 6 | 8.694 | 8.634 | 8.799 | BB | 119873 | 1256245 | 85.71% | 4.606% |
| 7 | 10.309 | 10.200 | 10.384 | BB | 118466 | 1306485 | 89.14% | 4.790% |
| 8 | 11.759 | 11.714 | 11.825 | PB | 120058 | 1339624 | 91.40% | 4.912% |
| 9 | 12.085 | 12.019 | 12.145 | BB | 134862 | 1465719 | 100.00% | 5.374% |
| 10 | 13.073 | 13.032 | 13.127 | PB | 113704 | 1290714 | 88.06% | 4.732% |
| 11 | 13.521 | 13.455 | 13.584 | BB | 92204 | 1101100 | 75.12% | 4.037% |
| 12 | 13.687 | 13.625 | 13.755 | BB | 106777 | 1263179 | 86.18% | 4.631% |
| 13 | 14.275 | 14.209 | 14.325 | BB | 102098 | 1252588 | 85.46% | 4.593% |
| 14 | 15.382 | 15.295 | 15.442 | BB | 100362 | 1249742 | 85.26% | 4.582% |
| 15 | 16.406 | 16.322 | 16.457 | BB | 96333 | 1228030 | 83.78% | 4.503% |
| 16 | 17.358 | 17.275 | 17.415 | BB | 91813 | 1218469 | 83.13% | 4.468% |
| 17 | 18.248 | 18.179 | 18.305 | BB | 92913 | 1265398 | 86.33% | 4.640% |
| 18 | 19.082 | 19.012 | 19.134 | BV | 88439 | 1247513 | 85.11% | 4.574% |
| 19 | 19.866 | 19.800 | 19.905 | BV | 83213 | 1189288 | 81.14% | 4.361% |
| 20 | 20.607 | 20.570 | 20.644 | BV | 77393 | 1108488 | 75.63% | 4.064% |
| 21 | 21.389 | 21.330 | 21.520 | BB | 60713 | 1141544 | 77.88% | 4.186% |
| 22 | 22.381 | 22.300 | 22.452 | BV | 42596 | 1072991 | 73.21% | 3.934% |
| | | | Sum of corrected areas: | | | 27273728 | | |

Aliphatic EPH 080125.M Fri Aug 01 15:04:05 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055106.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 13:25
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
FID_E
**ClientSampleId :**
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Aug 01 13:46:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:46:25 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) | 12.084 | 778115 | 5.449 ug/ml |
| Spiked Amount | 50.000 | Recovery = | 10.90% | |
| 12) | S 1-chlorooctadecane (S... | 13.520 | 580920 | 5.403 ug/ml |
| Spiked Amount | 50.000 | Recovery = | 10.81% | |
| | Target Compounds | | | |
| 1) | T n-Nonane (C9) | 3.422 | 629501 | 5.485 ug/ml |
| 2) | T n-Decane (C10) | 4.681 | 632551 | 5.430 ug/ml |
| 3) | T A~Naphthalene (C11.7) | 6.401 | 724982 | 5.401 ug/ml |
| 4) | T n-Dodecane (C12) | 6.856 | 647501 | 5.437 ug/ml |
| 5) | T A~2-methylnaphthalene... | 7.501 | 697536 | 5.350 ug/ml |
| 6) | T n-Tetradecane (C14) | 8.694 | 677397 | 5.525 ug/ml |
| 7) | T n-Hexadecane (C16) | 10.308 | 701326 | 5.486 ug/ml |
| 8) | T n-Octadecane (C18) | 11.758 | 713273 | 5.467 ug/ml |
| 10) | T n-Eicosane (C20) | 13.072 | 684201 | 5.453 ug/ml |
| 11) | T n-Heneicosane (C21) | 13.686 | 674909 | 5.475 ug/ml |
| 13) | T n-Docosane (C22) | 14.275 | 665279 | 5.448 ug/ml |
| 14) | T n-Tetracosane (C24) | 15.382 | 666101 | 5.476 ug/ml |
| 15) | T n-Hexacosane (C26) | 16.405 | 654109 | 5.467 ug/ml |
| 16) | T n-Octacosane (C28) | 17.357 | 659989 | 5.564 ug/ml |
| 17) | T n-Tricontane (C30) | 18.248 | 712384 | 5.789 ug/ml |
| 18) | T n-Dotriacontane (C32) | 19.081 | 732022 | 6.000 ug/ml |
| 19) | T n-Tetratriacontane (C34) | 19.867 | 697694 | 5.967 ug/ml |
| 20) | T n-Hexatriacontane (C36) | 20.608 | 646626 | 5.916 ug/ml |
| 21) | T n-Octatriacontane (C38) | 21.390 | 620578 | 5.742 ug/ml |
| 22) | T n-Tetracontane (C40) | 22.381 | 588826 | 5.631 ug/ml |

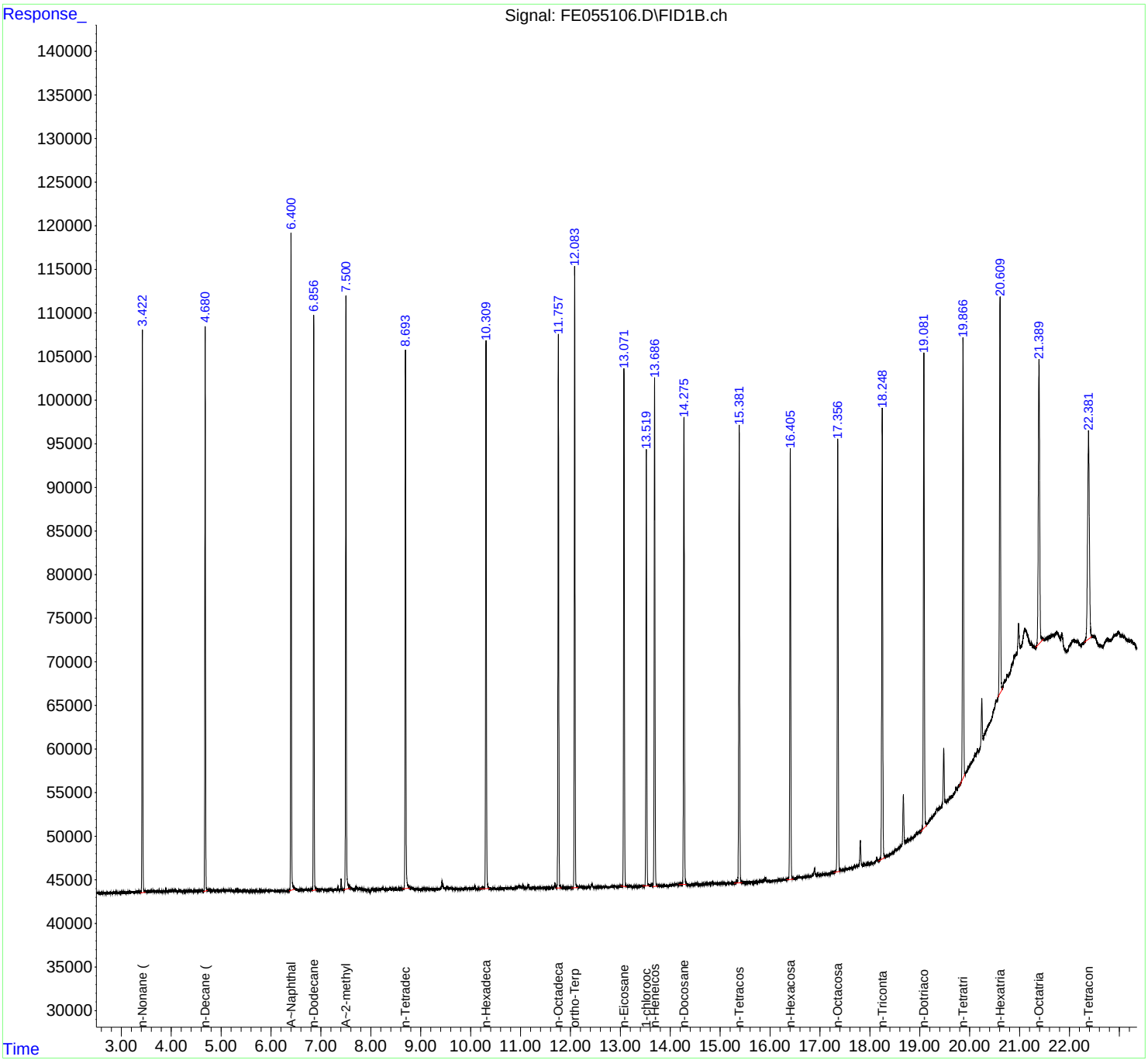
(f)=RT Delta > 1/2 Window (m)=manual int.

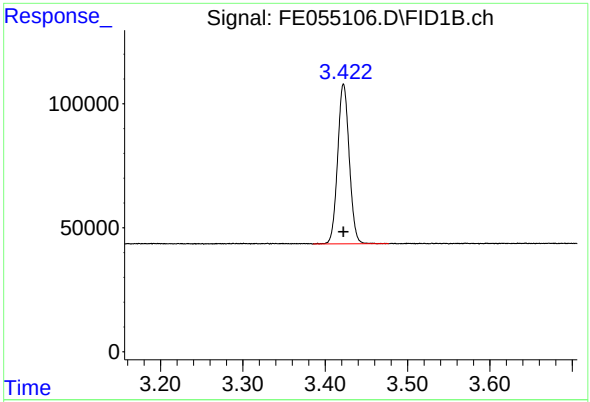
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055106.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 13:25
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
FID_E
**ClientSampleId :**
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Aug 01 13:46:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:46:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

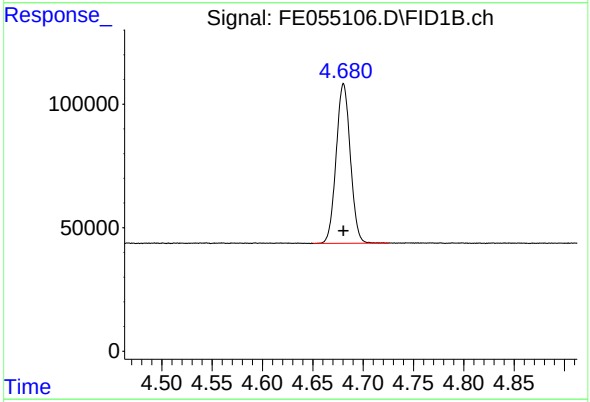





#1 n-Nonane (C9)

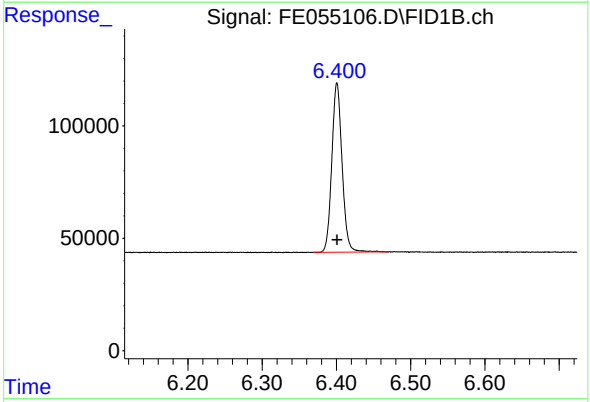
R.T.: 3.422 min
Delta R.T.: 0.000 min
Response: 629501
Conc: 5.48 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
5 PPM ALIPHATIC HC STD5



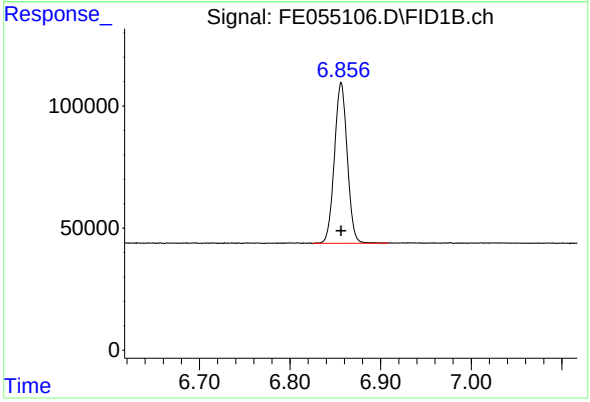

#2 n-Decane (C10)

R.T.: 4.681 min
Delta R.T.: 0.000 min
Response: 632551
Conc: 5.43 ug/ml



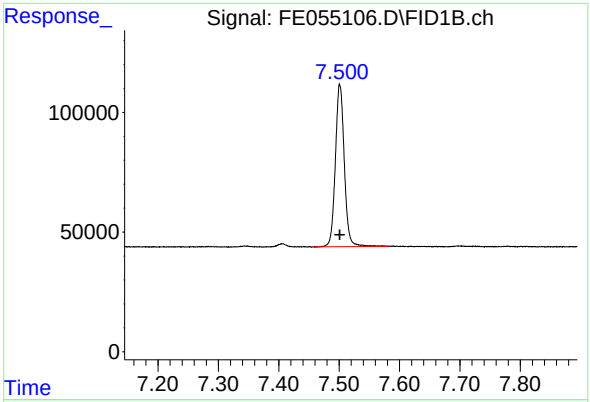

#3 A~Naphthalene (C11.7)

R.T.: 6.401 min
Delta R.T.: 0.000 min
Response: 724982
Conc: 5.40 ug/ml




#4 n-Dodecane (C12)

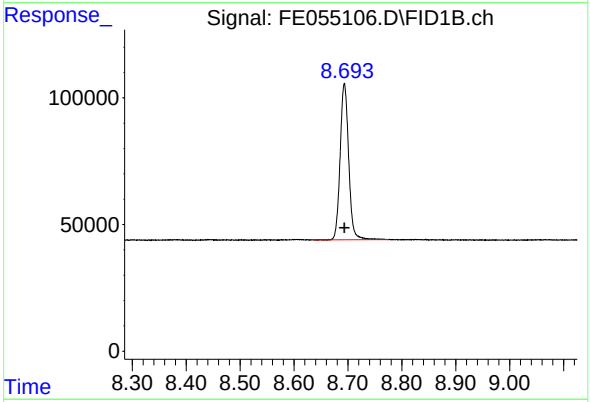
R.T.: 6.856 min
Delta R.T.: 0.000 min
Response: 647501
Conc: 5.44 ug/ml




#5 A~2-methylnaphthalene (C12.89)

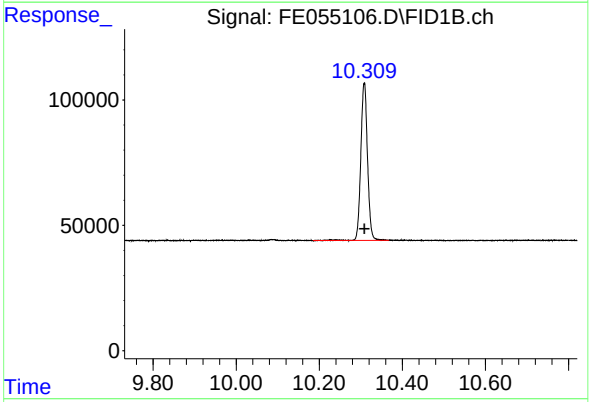
R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 697536
Conc: 5.35 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
5 PPM ALIPHATIC HC STD5



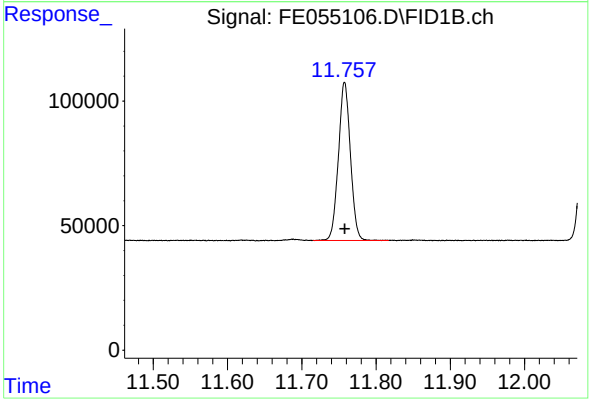

#6 n-Tetradecane (C14)

R.T.: 8.694 min
Delta R.T.: 0.000 min
Response: 677397
Conc: 5.52 ug/ml



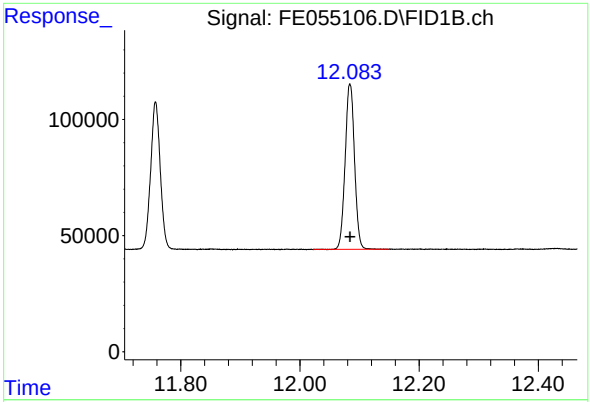

#7 n-Hexadecane (C16)

R.T.: 10.308 min
Delta R.T.: 0.000 min
Response: 701326
Conc: 5.49 ug/ml




#8 n-Octadecane (C18)

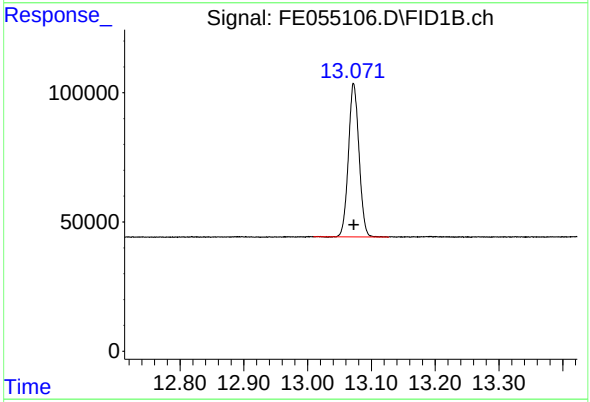
R.T.: 11.758 min
Delta R.T.: 0.000 min
Response: 713273
Conc: 5.47 ug/ml




#9 ortho-Terphenyl (SURR)

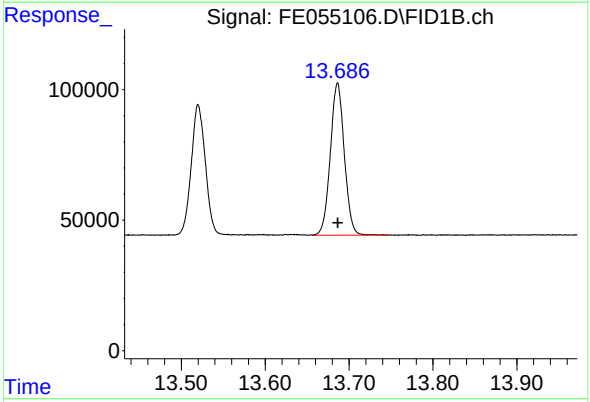
R.T.: 12.084 min
Delta R.T.: 0.000 min
Response: 778115
Conc: 5.45 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
5 PPM ALIPHATIC HC STD5



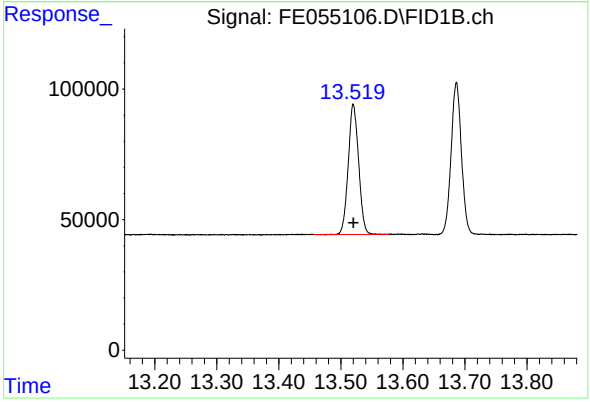

#10 n-Eicosane (C20)

R.T.: 13.072 min
Delta R.T.: 0.000 min
Response: 684201
Conc: 5.45 ug/ml



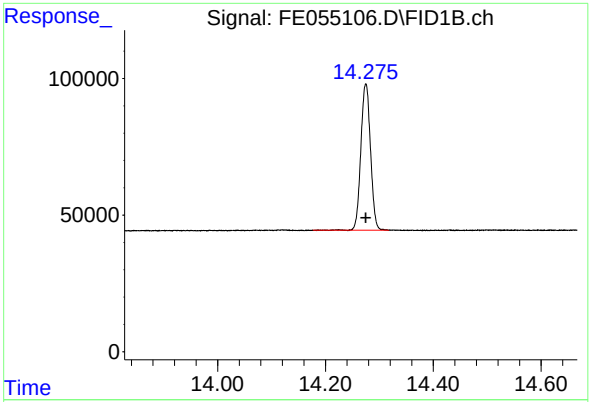

#11 n-Heneicosane (C21)

R.T.: 13.686 min
Delta R.T.: 0.000 min
Response: 674909
Conc: 5.48 ug/ml




#12 1-chlorooctadecane (SURR)

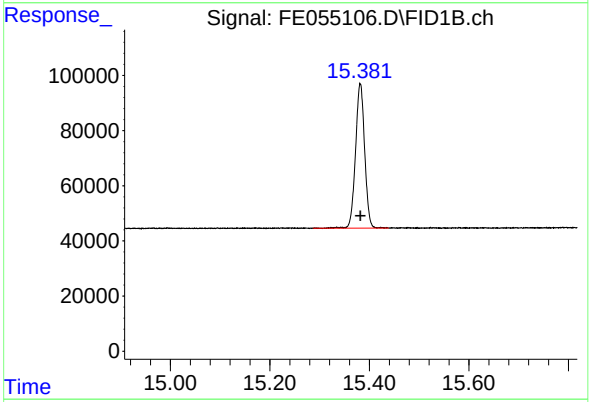
R.T.: 13.520 min
Delta R.T.: 0.000 min
Response: 580920
Conc: 5.40 ug/ml




#13 n-Docosane (C22)

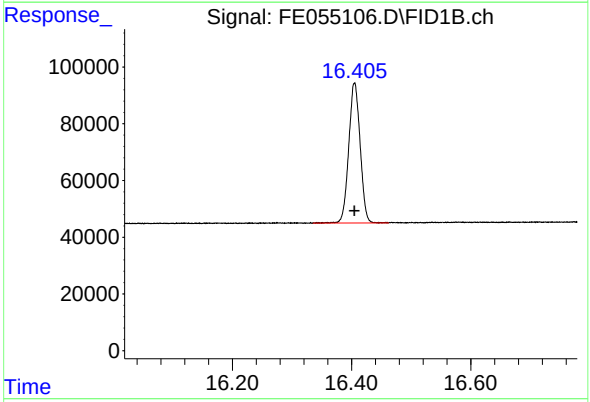
R.T.: 14.275 min
Delta R.T.: 0.000 min
Response: 665279
Conc: 5.45 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
5 PPM ALIPHATIC HC STD5



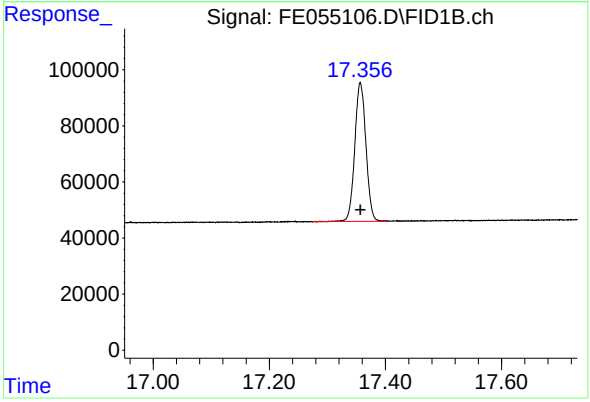

#14 n-Tetracosane (C24)

R.T.: 15.382 min
Delta R.T.: 0.000 min
Response: 666101
Conc: 5.48 ug/ml



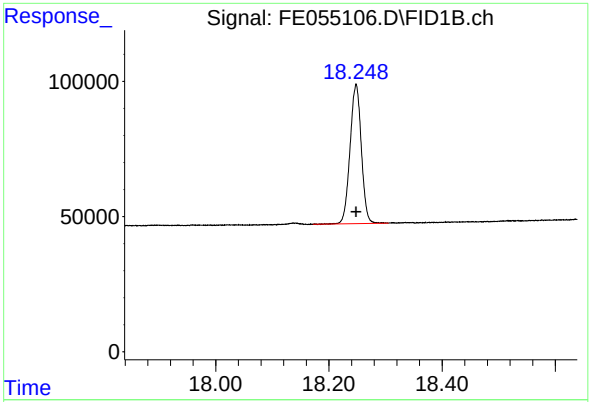

#15 n-Hexacosane (C26)

R.T.: 16.405 min
Delta R.T.: 0.000 min
Response: 654109
Conc: 5.47 ug/ml




#16 n-Octacosane (C28)

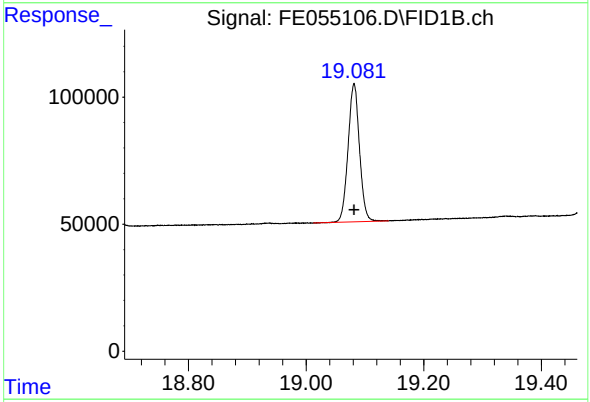
R.T.: 17.357 min
Delta R.T.: 0.000 min
Response: 659989
Conc: 5.56 ug/ml




#17 n-Tricontane (C30)

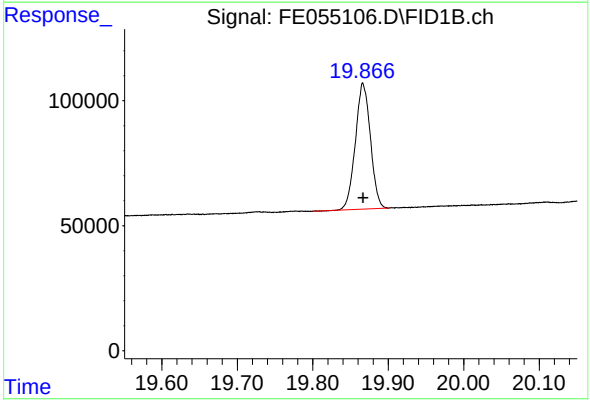
R.T.: 18.248 min
Delta R.T.: 0.000 min
Response: 712384
Conc: 5.79 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
5 PPM ALIPHATIC HC STD5



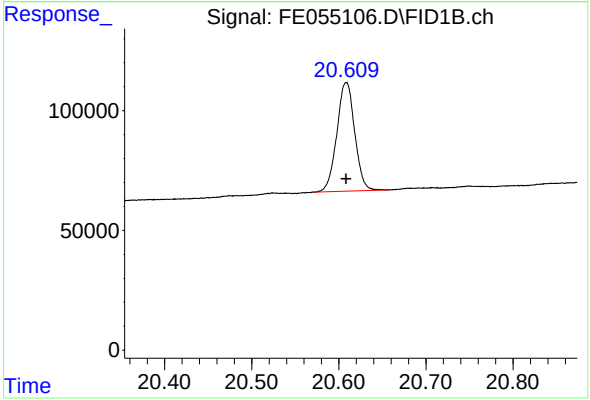

#18 n-Dotriacontane (C32)

R.T.: 19.081 min
Delta R.T.: 0.000 min
Response: 732022
Conc: 6.00 ug/ml



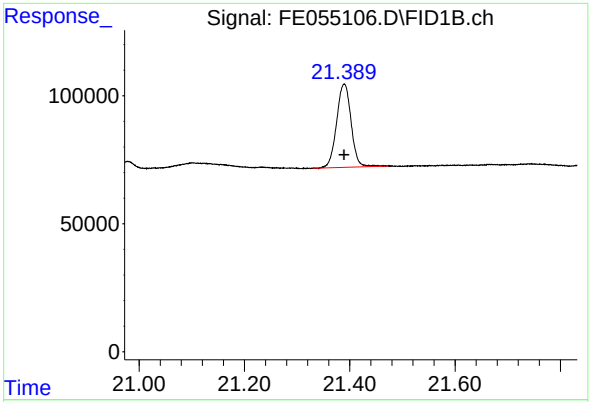

#19 n-Tetratriacontane (C34)

R.T.: 19.867 min
Delta R.T.: 0.000 min
Response: 697694
Conc: 5.97 ug/ml




#20 n-Hexatriacontane (C36)

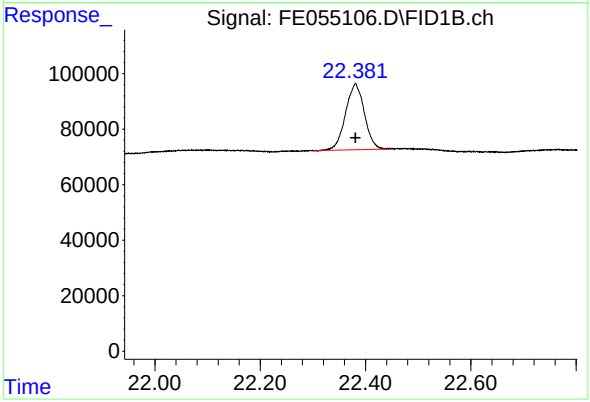
R.T.: 20.608 min
Delta R.T.: 0.000 min
Response: 646626
Conc: 5.92 ug/ml




#21 n-Octatriacontane (C38)

R.T.: 21.390 min
Delta R.T.: 0.000 min
Response: 620578
Conc: 5.74 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
5 PPM ALIPHATIC HC STD5




#22 n-Tetracontane (C40)

R.T.: 22.381 min
Delta R.T.: 0.000 min
Response: 588826
Conc: 5.63 ug/ml

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055106.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 13:25
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1B.ch

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|
| 1 | 3.422 | 3.385 | 3.477 | BB | 64431 | 629501 | 80.90% | 4.257% |
| 2 | 4.681 | 4.650 | 4.725 | BB | 64621 | 632551 | 81.29% | 4.278% |
| 3 | 6.401 | 6.369 | 6.470 | BB | 75358 | 724982 | 93.17% | 4.903% |
| 4 | 6.856 | 6.825 | 6.909 | BB | 65928 | 647501 | 83.21% | 4.379% |
| 5 | 7.501 | 7.457 | 7.582 | BB | 67243 | 697536 | 89.64% | 4.718% |
| 6 | 8.694 | 8.635 | 8.775 | BB | 61673 | 677397 | 87.06% | 4.581% |
| 7 | 10.308 | 10.185 | 10.367 | BB | 62824 | 701326 | 90.13% | 4.743% |
| 8 | 11.758 | 11.715 | 11.817 | BB | 63586 | 713273 | 91.67% | 4.824% |
| 9 | 12.084 | 12.022 | 12.149 | BB | 71185 | 778115 | 100.00% | 5.263% |
| 10 | 13.072 | 13.009 | 13.127 | BB | 59302 | 684201 | 87.93% | 4.627% |
| 11 | 13.520 | 13.455 | 13.577 | BB | 49645 | 580920 | 74.66% | 3.929% |
| 12 | 13.686 | 13.657 | 13.747 | BB | 58559 | 674909 | 86.74% | 4.565% |
| 13 | 14.275 | 14.177 | 14.317 | BB | 53685 | 665279 | 85.50% | 4.499% |
| 14 | 15.382 | 15.287 | 15.439 | BB | 52255 | 666101 | 85.60% | 4.505% |
| 15 | 16.405 | 16.335 | 16.462 | BB | 49309 | 654109 | 84.06% | 4.424% |
| 16 | 17.357 | 17.275 | 17.405 | BB | 49399 | 659989 | 84.82% | 4.464% |
| 17 | 18.248 | 18.172 | 18.305 | BB | 51763 | 712384 | 91.55% | 4.818% |
| 18 | 19.082 | 19.012 | 19.140 | BB | 54579 | 732022 | 94.08% | 4.951% |
| 19 | 19.867 | 19.800 | 19.900 | BB | 49987 | 697694 | 89.66% | 4.719% |
| 20 | 20.608 | 20.570 | 20.657 | BV | 45351 | 646626 | 83.10% | 4.373% |
| 21 | 21.390 | 21.330 | 21.474 | BB | 32525 | 620578 | 79.75% | 4.197% |
| 22 | 22.381 | 22.300 | 22.444 | BB | 23828 | 588826 | 75.67% | 3.982% |
| | | | Sum of corrected areas: | | | 14785819 | | |

Aliphatic EPH 080125.M Fri Aug 01 15:03:32 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055107.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 13:55
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
FID_E
**ClientSampleId :**
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Aug 01 14:16:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

| | Compound | R.T. | Response | Conc Units |
|---|---|---|---|---|
| | **System Monitoring Compounds** | | | |
| 9) | S ortho-Terphenyl (SURR) | 12.085 | 2866726 | 20.075 ug/ml |
| Spiked Amount | 50.000 | Recovery = | 40.15% | |
| 12) | S 1-chlorooctadecane (S... | 13.521 | 2156193 | 20.053 ug/ml |
| Spiked Amount | 50.000 | Recovery = | 40.11% | |
| | **Target Compounds** | | | |
| 1) | T n-Nonane (C9) | 3.423 | 2320492 | 20.219 ug/ml |
| 2) | T n-Decane (C10) | 4.681 | 2357337 | 20.235 ug/ml |
| 3) | T A~Naphthalene (C11.7) | 6.400 | 2711551 | 20.201 ug/ml |
| 4) | T n-Dodecane (C12) | 6.857 | 2407946 | 20.221 ug/ml |
| 5) | T A~2-methylnaphthalene... | 7.501 | 2636139 | 20.218 ug/ml |
| 6) | T n-Tetradecane (C14) | 8.694 | 2463791 | 20.095 ug/ml |
| 7) | T n-Hexadecane (C16) | 10.309 | 2561685 | 20.038 ug/ml |
| 8) | T n-Octadecane (C18) | 11.759 | 2619955 | 20.080 ug/ml |
| 10) | T n-Eicosane (C20) | 13.073 | 2518489 | 20.072 ug/ml |
| 11) | T n-Heneicosane (C21) | 13.688 | 2473384 | 20.065 ug/ml |
| 13) | T n-Docosane (C22) | 14.276 | 2448476 | 20.050 ug/ml |
| 14) | T n-Tetracosane (C24) | 15.382 | 2433764 | 20.009 ug/ml |
| 15) | T n-Hexacosane (C26) | 16.407 | 2397717 | 20.040 ug/ml |
| 16) | T n-Octacosane (C28) | 17.359 | 2370324 | 19.982 ug/ml |
| 17) | T n-Tricontane (C30) | 18.248 | 2441052 | 19.838 ug/ml |
| 18) | T n-Dotriacontane (C32) | 19.082 | 2401932 | 19.686 ug/ml |
| 19) | T n-Tetratriacontane (C34) | 19.867 | 2323225 | 19.870 ug/ml |
| 20) | T n-Hexatriacontane (C36) | 20.609 | 2160075 | 19.763 ug/ml |
| 21) | T n-Octatriacontane (C38) | 21.390 | 2112729 | 19.549 ug/ml |
| 22) | T n-Tetracontane (C40) | 22.381 | 2109848 | 20.176 ug/ml |

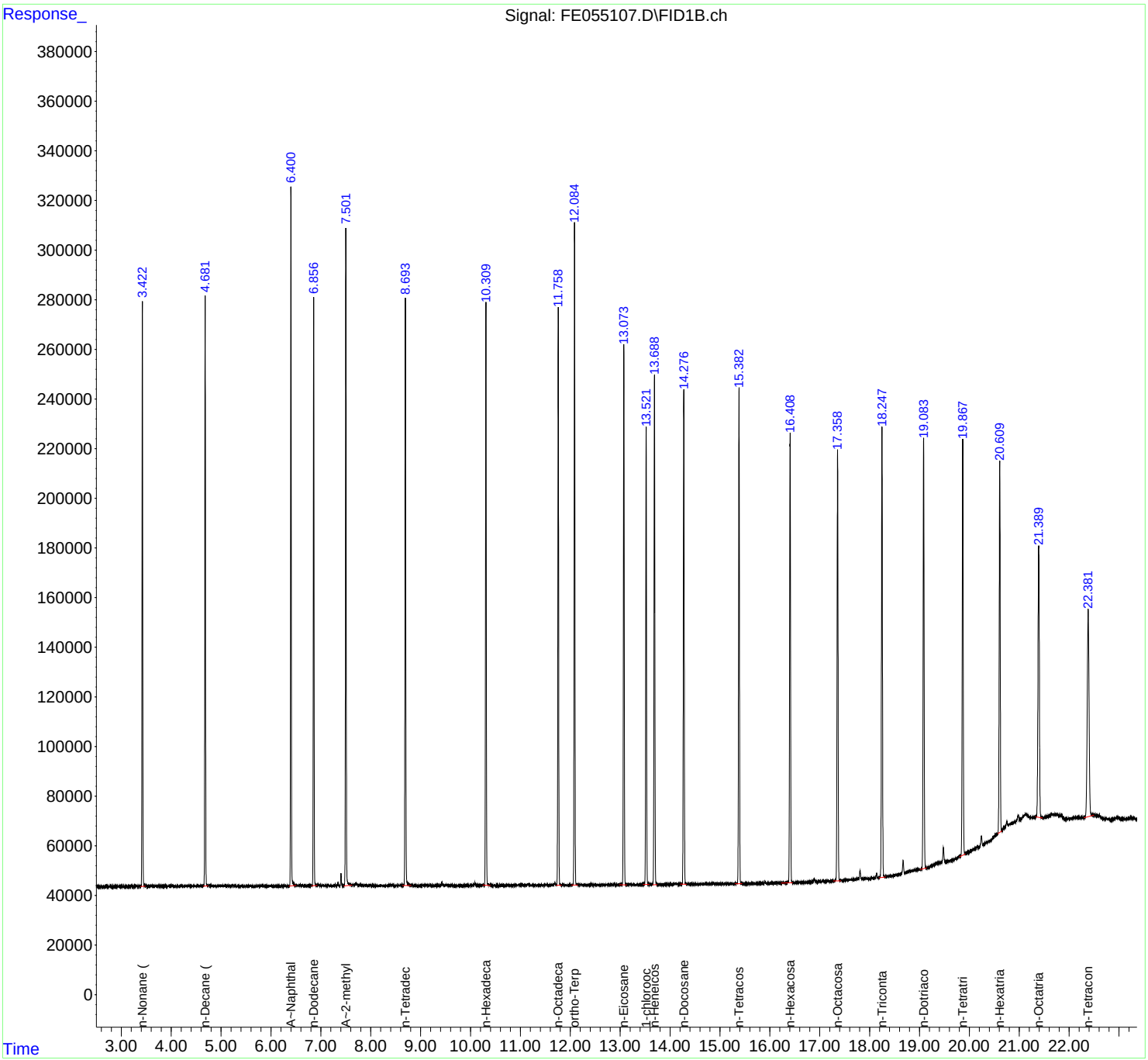
(f)=RT Delta > 1/2 Window (m)=manual int.

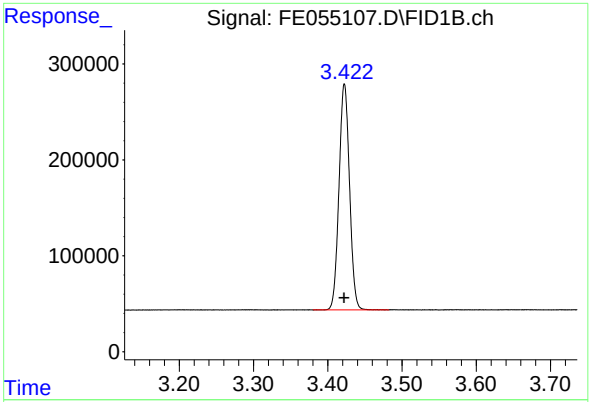
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055107.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 13:55
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
FID_E
**ClientSampleId :**
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Aug 01 14:16:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

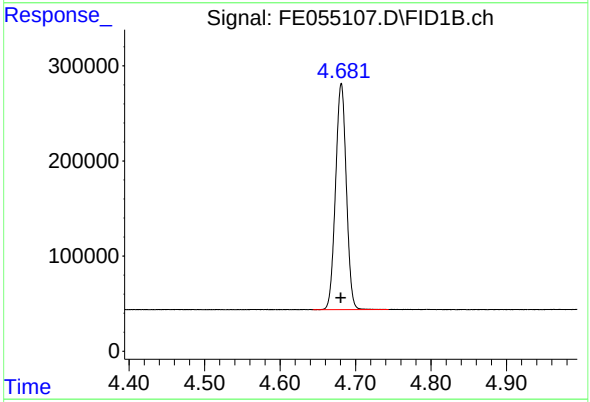





#1 n-Nonane (C9)

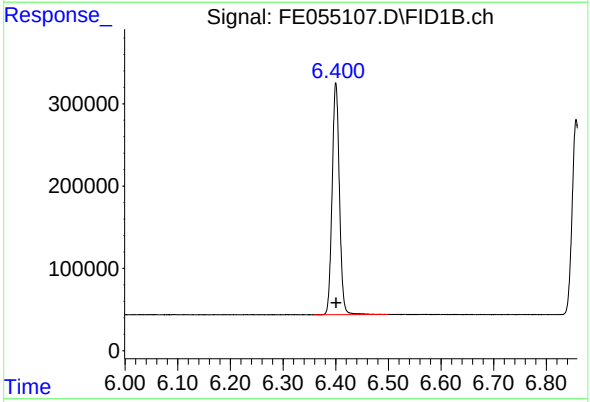
R.T.: 3.423 min
Delta R.T.: 0.000 min
Response: 2320492
Conc: 20.22 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
20 PPM ALIPHATIC HC STD ICV



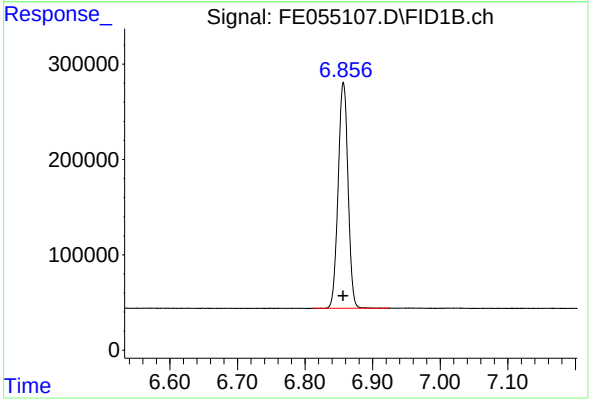

#2 n-Decane (C10)

R.T.: 4.681 min
Delta R.T.: 0.000 min
Response: 2357337
Conc: 20.24 ug/ml



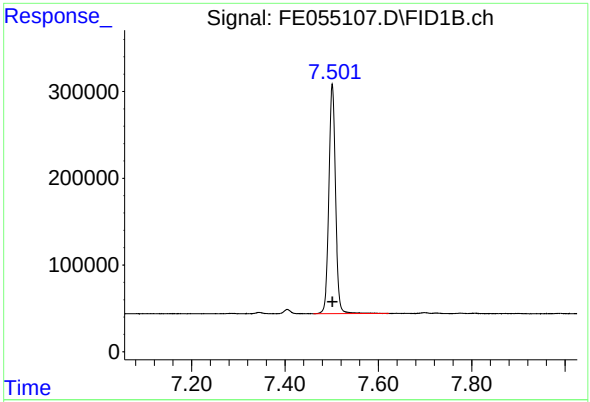

#3 A~Naphthalene (C11.7)

R.T.: 6.400 min
Delta R.T.: 0.000 min
Response: 2711551
Conc: 20.20 ug/ml




#4 n-Dodecane (C12)

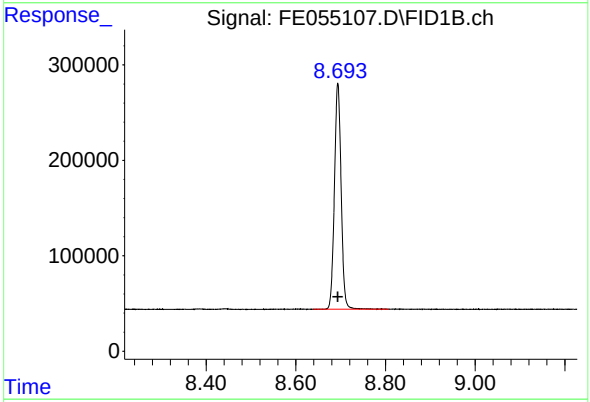
R.T.: 6.857 min
Delta R.T.: 0.000 min
Response: 2407946
Conc: 20.22 ug/ml




#5 A~2-methylnaphthalene (C12.89)

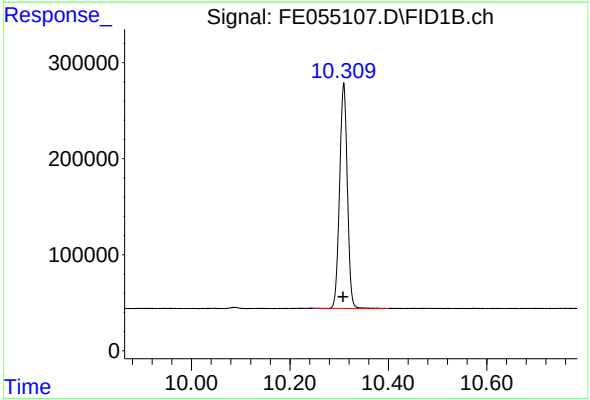
R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 2636139
Conc: 20.22 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
20 PPM ALIPHATIC HC STD ICV



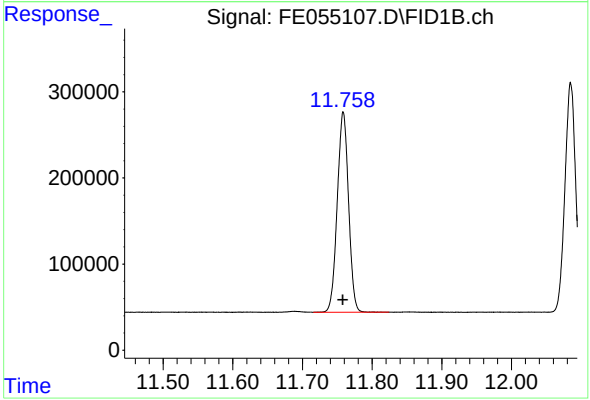

#6 n-Tetradecane (C14)

R.T.: 8.694 min
Delta R.T.: 0.000 min
Response: 2463791
Conc: 20.09 ug/ml



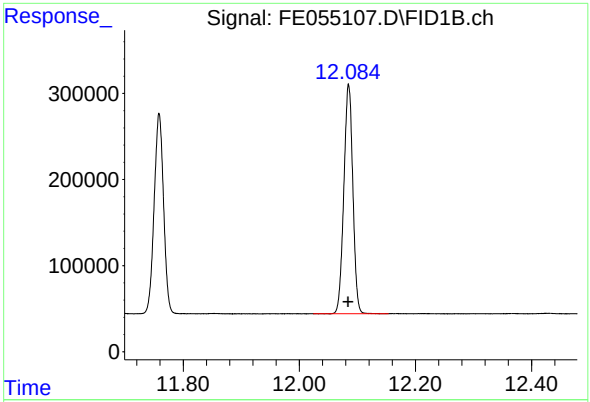

#7 n-Hexadecane (C16)

R.T.: 10.309 min
Delta R.T.: 0.000 min
Response: 2561685
Conc: 20.04 ug/ml




#8 n-Octadecane (C18)

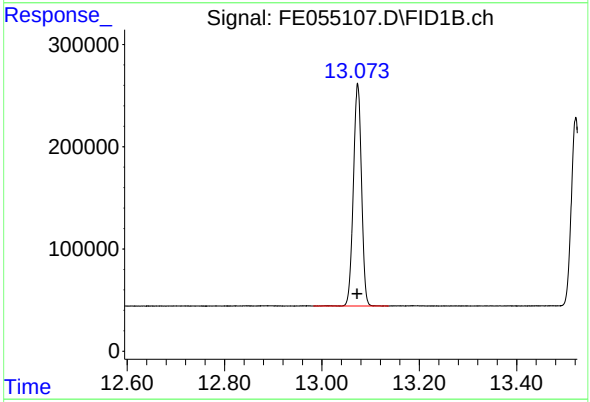
R.T.: 11.759 min
Delta R.T.: 0.000 min
Response: 2619955
Conc: 20.08 ug/ml




#9 ortho-Terphenyl (SURR)

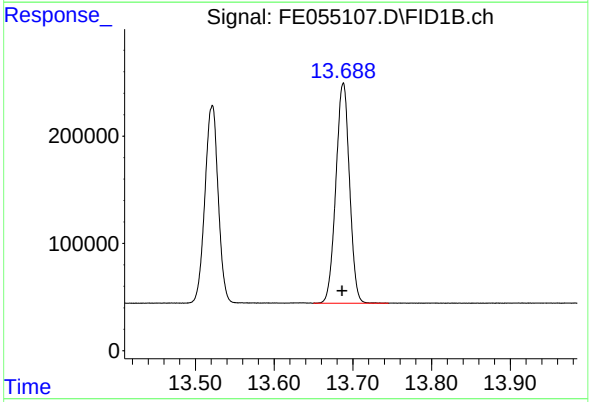
R.T.: 12.085 min
Delta R.T.: 0.000 min
Response: 2866726
Conc: 20.07 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
20 PPM ALIPHATIC HC STD ICV



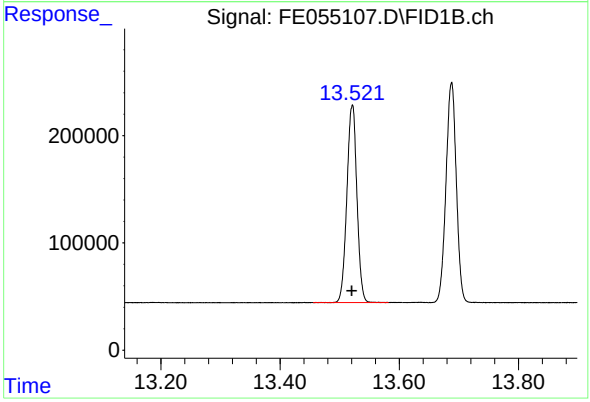

#10 n-Eicosane (C20)

R.T.: 13.073 min
Delta R.T.: 0.001 min
Response: 2518489
Conc: 20.07 ug/ml



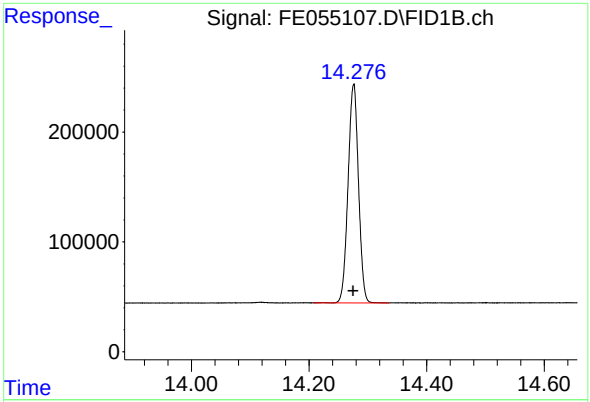

#11 n-Heneicosane (C21)

R.T.: 13.688 min
Delta R.T.: 0.001 min
Response: 2473384
Conc: 20.07 ug/ml




#12 1-chlorooctadecane (SURR)

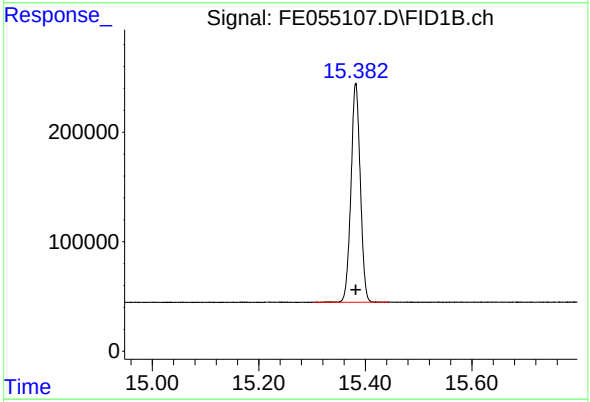
R.T.: 13.521 min
Delta R.T.: 0.000 min
Response: 2156193
Conc: 20.05 ug/ml




#13 n-Docosane (C22)

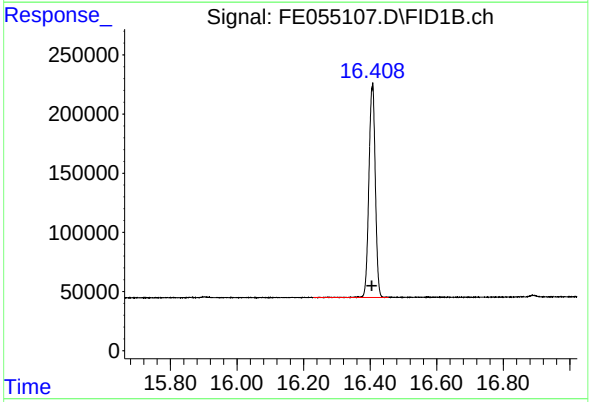
R.T.: 14.276 min
Delta R.T.: 0.000 min
Response: 2448476
Conc: 20.05 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
20 PPM ALIPHATIC HC STD ICV



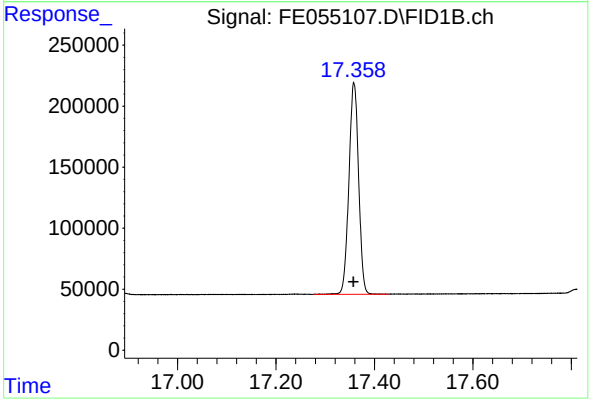

#14 n-Tetracosane (C24)

R.T.: 15.382 min
Delta R.T.: 0.000 min
Response: 2433764
Conc: 20.01 ug/ml



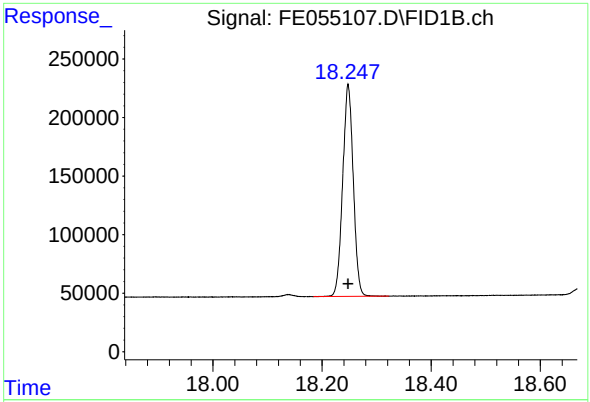

#15 n-Hexacosane (C26)

R.T.: 16.407 min
Delta R.T.: 0.002 min
Response: 2397717
Conc: 20.04 ug/ml




#16 n-Octacosane (C28)

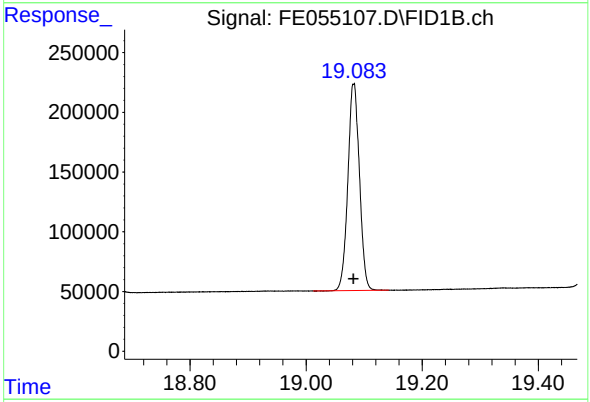
R.T.: 17.359 min
Delta R.T.: 0.002 min
Response: 2370324
Conc: 19.98 ug/ml




#17 n-Tricontane (C30)

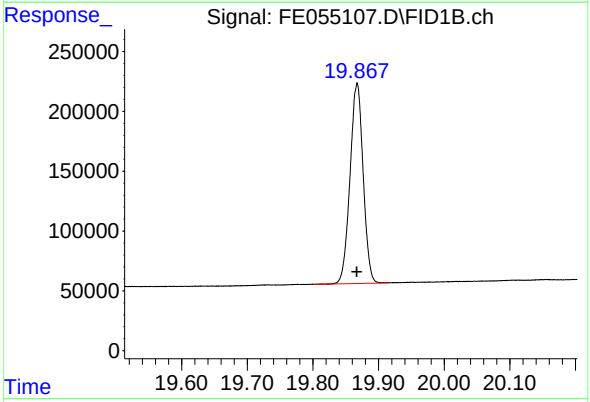
R.T.: 18.248 min
Delta R.T.: 0.000 min
Response: 2441052
Conc: 19.84 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
20 PPM ALIPHATIC HC STD ICV



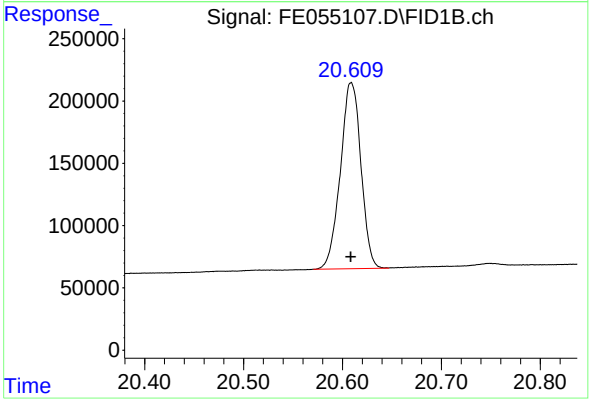

#18 n-Dotriacontane (C32)

R.T.: 19.082 min
Delta R.T.: 0.000 min
Response: 2401932
Conc: 19.69 ug/ml



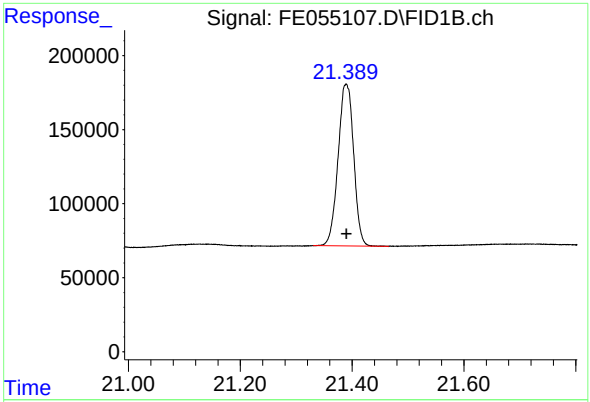

#19 n-Tetratriacontane (C34)

R.T.: 19.867 min
Delta R.T.: 0.000 min
Response: 2323225
Conc: 19.87 ug/ml




#20 n-Hexatriacontane (C36)

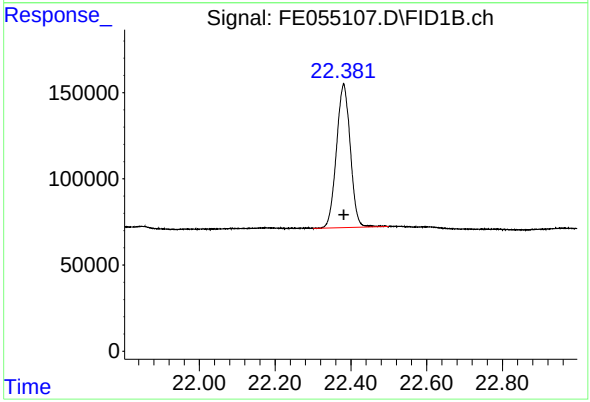
R.T.: 20.609 min
Delta R.T.: 0.000 min
Response: 2160075
Conc: 19.76 ug/ml




#21 n-Octatriacontane (C38)

R.T.: 21.390 min
Delta R.T.: 0.000 min
Response: 2112729
Conc: 19.55 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
20 PPM ALIPHATIC HC STD ICV




#22 n-Tetracontane (C40)

R.T.: 22.381 min
Delta R.T.: 0.000 min
Response: 2109848
Conc: 20.18 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055107.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 13:55
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1B.ch

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|
| 1 | 3.423 | 3.380 | 3.482 | BB | 235935 | 2320492 | 80.95% | 4.354% |
| 2 | 4.681 | 4.644 | 4.744 | BB | 237548 | 2357337 | 82.23% | 4.423% |
| 3 | 6.400 | 6.357 | 6.500 | BB | 281367 | 2711551 | 94.59% | 5.088% |
| 4 | 6.857 | 6.812 | 6.924 | BB | 236802 | 2407946 | 84.00% | 4.518% |
| 5 | 7.501 | 7.460 | 7.622 | BB | 264419 | 2636139 | 91.96% | 4.947% |
| 6 | 8.694 | 8.639 | 8.807 | BB | 236777 | 2463791 | 85.94% | 4.623% |
| 7 | 10.309 | 10.247 | 10.400 | BB | 233401 | 2561685 | 89.36% | 4.807% |
| 8 | 11.759 | 11.715 | 11.824 | PB | 232814 | 2619955 | 91.39% | 4.916% |
| 9 | 12.085 | 12.024 | 12.154 | BB | 265468 | 2866726 | 100.00% | 5.379% |
| 10 | 13.074 | 12.982 | 13.137 | BB | 216764 | 2518489 | 87.85% | 4.726% |
| 11 | 13.521 | 13.455 | 13.582 | BB | 183371 | 2156193 | 75.21% | 4.046% |
| 12 | 13.688 | 13.650 | 13.745 | PB | 204951 | 2473384 | 86.28% | 4.641% |
| 13 | 14.276 | 14.207 | 14.335 | BB | 198948 | 2448476 | 85.41% | 4.594% |
| 14 | 15.382 | 15.302 | 15.444 | BB | 199328 | 2433764 | 84.90% | 4.567% |
| 15 | 16.407 | 16.229 | 16.455 | BB | 178966 | 2397717 | 83.64% | 4.499% |
| 16 | 17.359 | 17.275 | 17.429 | BB | 172737 | 2370324 | 82.68% | 4.448% |
| 17 | 18.248 | 18.184 | 18.322 | BB | 180187 | 2441052 | 85.15% | 4.580% |
| 18 | 19.082 | 19.012 | 19.142 | BB | 172722 | 2401932 | 83.79% | 4.507% |
| 19 | 19.867 | 19.800 | 19.915 | BV | 167321 | 2323225 | 81.04% | 4.359% |
| 20 | 20.609 | 20.570 | 20.647 | BV | 149142 | 2160075 | 75.35% | 4.053% |
| 21 | 21.390 | 21.330 | 21.465 | BB | 109229 | 2112729 | 73.70% | 3.964% |
| 22 | 22.381 | 22.300 | 22.500 | BBA | 83572 | 2109848 | 73.60% | 3.959% |
| | | | Sum of corrected areas: | | | 53292830 | | |

Aliphatic EPH 080125.M Fri Aug 01 15:03:05 2025

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Fax : 908 789 8922

# Continuing Calibration Report for SequenceID : FC081225AL

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|---|---|---|---|---|---|---|---|
| **File ID :** | **FC069643.D** | | | | | | |
| Aliphatic C9-C12 | 8281038.000 | 60.000 | 3.296 | 6.594 | 138017.300 | 144679.273 | 4.605 |
| Aliphatic C12-C16 | 5564407.000 | 40.000 | 6.595 | 9.998 | 139110.175 | 143435.206 | 3.015 |
| Aliphatic C16-C21 | 7699230.000 | 60.000 | 9.999 | 13.367 | 128320.500 | 133561.231 | 3.924 |
| Aliphatic C21-C28 | 9027039.000 | 80.000 | 13.368 | 17.032 | 112837.988 | 118307.822 | 4.623 |
| Aliphatic C28-C40 | 11191769.000 | 120.000 | 17.033 | 22.008 | 93264.742 | 95315.213 | 2.151 |
| Aliphatic EPH | 41763483.000 | 360.000 | 3.296 | 22.008 | 116009.675 | 120373.027 | 3.625 |

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| | | | |
|---|---|---|---|
| Lab Sample ID: | 20 PPM ALIPHATIC HC S | Acq On: | 12 Aug 2025 18:50 |
| Client Sample ID: | | Operator: | YP/AJ |
| Data file: | FC069643.D | Misc: | |
| Instrument: | FID_C | ALS Vial: | 2 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | Units |
|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.296 | 6.594 | 8281038.000 | 60.000 | ug/ml |
| Aliphatic C12-C16 | 6.595 | 9.998 | 5564407.000 | 40.000 | ug/ml |
| Aliphatic C16-C21 | 9.999 | 13.367 | 7699230.000 | 60.000 | ug/ml |
| Aliphatic C21-C28 | 13.368 | 17.032 | 9027039.000 | 80.000 | ug/ml |
| Aliphatic C28-C40 | 17.033 | 22.008 | 11191769.000 | 120.000 | ug/ml |
| Aliphatic EPH | 3.296 | 22.008 | 41763483.000 | 360.000 | ug/ml |

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# Continuing Calibration Report for SequenceID : FC081225AL

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|---|---|---|---|---|---|---|---|
| **File ID :** | **FC069653.D** | | | | | | |
| Aliphatic C9-C12 | 8188998.000 | 60.000 | 3.296 | 6.594 | 136483.300 | 144679.273 | 5.665 |
| Aliphatic C12-C16 | 5493955.000 | 40.000 | 6.595 | 9.998 | 137348.875 | 143435.206 | 4.243 |
| Aliphatic C16-C21 | 7647281.000 | 60.000 | 9.999 | 13.367 | 127454.683 | 133561.231 | 4.572 |
| Aliphatic C21-C28 | 9064514.000 | 80.000 | 13.368 | 17.032 | 113306.425 | 118307.822 | 4.227 |
| Aliphatic C28-C40 | 11351707.000 | 120.000 | 17.033 | 22.008 | 94597.558 | 95315.213 | 0.753 |
| Aliphatic EPH | 41746455.000 | 360.000 | 3.296 | 22.008 | 115962.375 | 120373.027 | 3.664 |

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| | | | |
|---|---|---|---|
| Lab Sample ID: | 20 PPM ALIPHATIC HC S | Acq On: | 13 Aug 2025 04:46 |
| Client Sample ID: | | Operator: | YP/AJ |
| Data file: | FC069653.D | Misc: | |
| Instrument: | FID_C | ALS Vial: | 2 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | Units |
|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.296 | 6.594 | 8188998.000 | 60.000 | ug/ml |
| Aliphatic C12-C16 | 6.595 | 9.998 | 5493955.000 | 40.000 | ug/ml |
| Aliphatic C16-C21 | 9.999 | 13.367 | 7647281.000 | 60.000 | ug/ml |
| Aliphatic C21-C28 | 13.368 | 17.032 | 9064514.000 | 80.000 | ug/ml |
| Aliphatic C28-C40 | 17.033 | 22.008 | 11351707.000 | 120.000 | ug/ml |
| Aliphatic EPH | 3.296 | 22.008 | 41746455.000 | 360.000 | ug/ml |

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# Continuing Calibration Report for SequenceID : FE081225AL

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|---|---|---|---|---|---|---|---|
| **File ID :** | **FE055254.D** | | | | | | |
| Aliphatic C9-C12 | 6178262.000 | 60.000 | 3.323 | 6.959 | 102971.033 | 116782.597 | 11.827 |
| Aliphatic C12-C16 | 4527408.000 | 40.000 | 6.960 | 10.413 | 113185.200 | 125227.070 | 9.616 |
| Aliphatic C16-C21 | 6817977.000 | 60.000 | 10.414 | 13.793 | 113632.950 | 126404.887 | 10.104 |
| Aliphatic C21-C28 | 9438512.000 | 80.000 | 13.794 | 17.466 | 117981.400 | 120505.719 | 2.095 |
| Aliphatic C28-C40 | 14243173.000 | 120.000 | 17.467 | 22.498 | 118693.108 | 113987.195 | -4.128 |
| Aliphatic EPH | 41205332.000 | 360.000 | 3.323 | 22.498 | 114459.256 | 119220.147 | 3.993 |

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Fax : 908 789 8922

| | | | |
|---|---|---|---|
| Lab Sample ID: | 20 PPM ALIPHATIC HC S | Acq On: | 12 Aug 2025 13:54 |
| Client Sample ID: | | Operator: | YP\AJ |
| Data file: | FE055254.D | Misc: | |
| Instrument: | FID_E | ALS Vial: | 3 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | Units |
|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.323 | 6.959 | 6178262.000 | 60.000 | ug/ml |
| Aliphatic C12-C16 | 6.960 | 10.413 | 4527408.000 | 40.000 | ug/ml |
| Aliphatic C16-C21 | 10.414 | 13.793 | 6817977.000 | 60.000 | ug/ml |
| Aliphatic C21-C28 | 13.794 | 17.466 | 9438512.000 | 80.000 | ug/ml |
| Aliphatic C28-C40 | 17.467 | 22.498 | 14243173.000 | 120.000 | ug/ml |
| Aliphatic EPH | 3.323 | 22.498 | 41205332.000 | 360.000 | ug/ml |

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# Continuing Calibration Report for SequenceID : FE081225AL

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|---|---|---|---|---|---|---|---|
| **File ID :** | **FE055268.D** | | | | | | |
| Aliphatic C9-C12 | 6298720.000 | 60.000 | 3.323 | 6.959 | 104978.667 | 116782.597 | 10.108 |
| Aliphatic C12-C16 | 4641325.000 | 40.000 | 6.960 | 10.413 | 116033.125 | 125227.070 | 7.342 |
| Aliphatic C16-C21 | 7203361.000 | 60.000 | 10.414 | 13.793 | 120056.017 | 126404.887 | 5.023 |
| Aliphatic C21-C28 | 10317939.000 | 80.000 | 13.794 | 17.466 | 128974.238 | 120505.719 | -7.027 |
| Aliphatic C28-C40 | 15234038.000 | 120.000 | 17.467 | 22.498 | 126950.317 | 113987.195 | -11.372 |
| Aliphatic EPH | 43695383.000 | 360.000 | 3.323 | 22.498 | 121376.064 | 119220.147 | -1.808 |

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Fax : 908 789 8922

| | | | |
|---|---|---|---|
| Lab Sample ID: | 20 PPM ALIPHATIC HC S | Acq On: | 12 Aug 2025 21:32 |
| Client Sample ID: | | Operator: | YP\AJ |
| Data file: | FE055268.D | Misc: | |
| Instrument: | FID_E | ALS Vial: | 2 |
| Dilution Factor: | 1 | Sample Multiplier: | 1.00 |

| Compound | R.T. | | Response | Conc | Units |
|---|---|---|---|---|---|
| Aliphatic C9-C12 | 3.323 | 6.959 | 6298720.000 | 60.000 | ug/ml |
| Aliphatic C12-C16 | 6.960 | 10.413 | 4641325.000 | 40.000 | ug/ml |
| Aliphatic C16-C21 | 10.414 | 13.793 | 7203361.000 | 60.000 | ug/ml |
| Aliphatic C21-C28 | 13.794 | 17.466 | 10317939.000 | 80.000 | ug/ml |
| Aliphatic C28-C40 | 17.467 | 22.498 | 15234038.000 | 120.000 | ug/ml |
| Aliphatic EPH | 3.323 | 22.498 | 43695383.000 | 360.000 | ug/ml |

# SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055263.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 18:29
Operator : YP\AJ
Sample : Q2826-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
FID_E
**ClientSampleId :**
WC1

Integration File: autoint1.e
Quant Time: Aug 13 04:06:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 9) S ortho-Terphenyl (SURR) | 12.090 | 4410471 | 30.885 ug/ml |
| Spiked Amount 50.000 | | Recovery = | 61.77% |
| 12) S 1-chlorooctadecane (S... | 13.526 | 3480850 | 32.373 ug/ml |
| Spiked Amount 50.000 | | Recovery = | 64.75% |
| Target Compounds | | | |

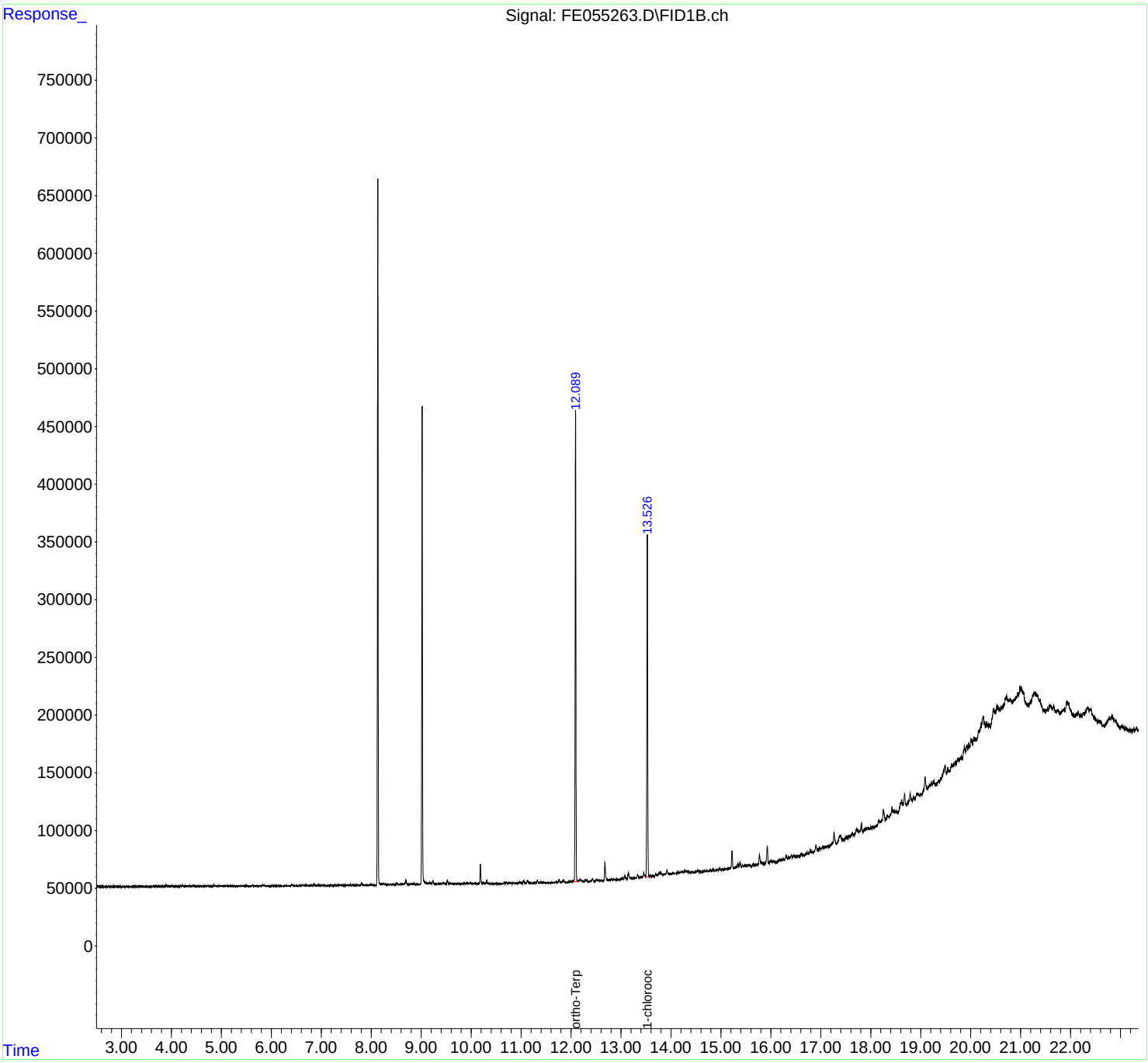
(f)=RT Delta > 1/2 Window (m)=manual int.

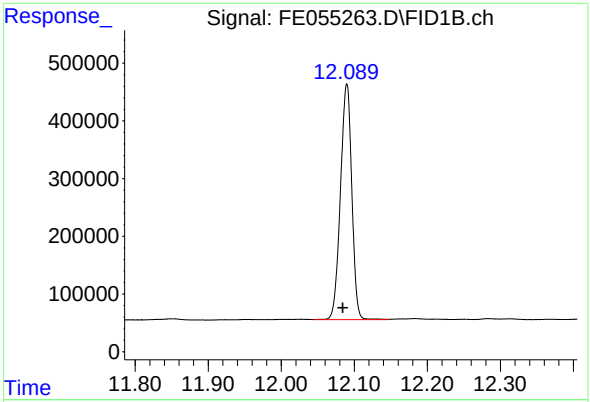
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055263.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 18:29
Operator : YP\AJ
Sample : Q2826-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
FID_E
**ClientSampleId :**
WC1

Integration File: autoint1.e
Quant Time: Aug 13 04:06:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

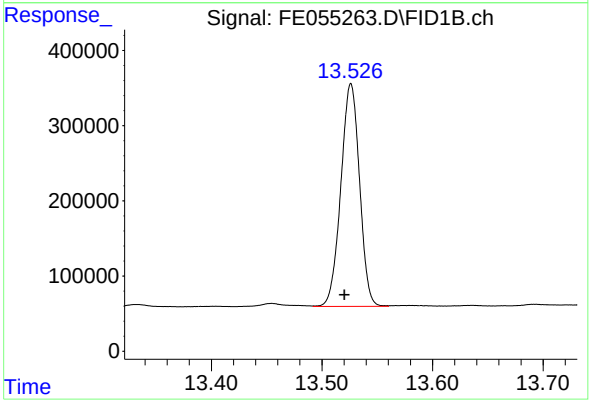





#9 ortho-Terphenyl (SURR)

R.T.: 12.090 min
Delta R.T.: 0.006 min
Response: 4410471
Conc: 30.88 ug/ml

**Instrument :**
FID_E
**ClientSampleId :**
WC1




#12 1-chlorooctadecane (SURR)

R.T.: 13.526 min
Delta R.T.: 0.006 min
Response: 3480850
Conc: 32.37 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081225AL\
Data File : FE055263.D
Signal(s) : FID1B.ch
Acq On : 12 Aug 2025 18:29
Sample : Q2826-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1B.ch

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|
| 1 | 2.837 | 2.804 | 2.891 | BV | 328 | 7010 | 0.11% | 0.010% |
| 2 | 2.904 | 2.891 | 2.961 | VV | 141 | 3333 | 0.05% | 0.005% |
| 3 | 3.005 | 2.961 | 3.038 | VV | 63 | 2188 | 0.04% | 0.003% |
| 4 | 3.047 | 3.038 | 3.068 | VV | 114 | 1020 | 0.02% | 0.001% |
| 5 | 3.101 | 3.068 | 3.136 | VV | 118 | 3008 | 0.05% | 0.004% |
| 6 | 3.150 | 3.136 | 3.174 | VV | 190 | 2145 | 0.04% | 0.003% |
| 7 | 3.205 | 3.174 | 3.214 | VV | 133 | 1968 | 0.03% | 0.003% |
| 8 | 3.238 | 3.214 | 3.245 | VV | 122 | 1270 | 0.02% | 0.002% |
| 9 | 3.265 | 3.245 | 3.288 | PV | 350 | 5507 | 0.09% | 0.008% |
| 10 | 3.298 | 3.288 | 3.333 | VV | 265 | 4694 | 0.08% | 0.007% |
| 11 | 3.351 | 3.333 | 3.362 | VV | 200 | 1833 | 0.03% | 0.003% |
| 12 | 3.419 | 3.362 | 3.455 | VV | 300 | 8098 | 0.13% | 0.011% |
| 13 | 3.470 | 3.455 | 3.514 | VV | 161 | 3486 | 0.06% | 0.005% |
| 14 | 3.555 | 3.514 | 3.571 | VV | 168 | 3787 | 0.06% | 0.005% |
| 15 | 3.632 | 3.571 | 3.715 | VV | 250 | 13167 | 0.22% | 0.019% |
| 16 | 3.778 | 3.715 | 3.814 | VV | 298 | 11682 | 0.19% | 0.017% |
| 17 | 3.825 | 3.814 | 3.834 | VV | 225 | 2008 | 0.03% | 0.003% |
| 18 | 3.893 | 3.834 | 3.924 | VV | 1249 | 22131 | 0.36% | 0.031% |
| 19 | 3.932 | 3.924 | 3.974 | VV | 388 | 7122 | 0.12% | 0.010% |
| 20 | 4.009 | 3.974 | 4.051 | VV | 1142 | 18713 | 0.31% | 0.026% |
| 21 | 4.064 | 4.051 | 4.087 | VV | 379 | 5960 | 0.10% | 0.008% |
| 22 | 4.112 | 4.087 | 4.123 | VV | 363 | 6052 | 0.10% | 0.009% |
| 23 | 4.128 | 4.123 | 4.171 | VV | 276 | 6958 | 0.11% | 0.010% |
| 24 | 4.218 | 4.171 | 4.258 | VV | 1338 | 25255 | 0.41% | 0.036% |
| 25 | 4.285 | 4.258 | 4.305 | VV | 405 | 9840 | 0.16% | 0.014% |

rteres

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 26 | 4.326 | 4.305 | 4.371 | VV | 433 | 11876 | 0.19% | 0.017% |
| 27 | 4.404 | 4.371 | 4.429 | VV | 413 | 10520 | 0.17% | 0.015% |
| 28 | 4.448 | 4.429 | 4.486 | VV | 526 | 11472 | 0.19% | 0.016% |
| 29 | 4.495 | 4.486 | 4.538 | VV | 343 | 7640 | 0.12% | 0.011% |
| 30 | 4.551 | 4.538 | 4.578 | VV | 252 | 5554 | 0.09% | 0.008% |
| 31 | 4.583 | 4.578 | 4.611 | VV | 285 | 4586 | 0.07% | 0.006% |
| 32 | 4.619 | 4.611 | 4.634 | VV | 264 | 3155 | 0.05% | 0.004% |
| 33 | 4.648 | 4.634 | 4.658 | VV | 263 | 3112 | 0.05% | 0.004% |
| 34 | 4.680 | 4.658 | 4.708 | VV | 570 | 9904 | 0.16% | 0.014% |
| 35 | 4.724 | 4.708 | 4.741 | VV | 331 | 5387 | 0.09% | 0.008% |
| 36 | 4.754 | 4.741 | 4.824 | VV | 297 | 9878 | 0.16% | 0.014% |
| 37 | 4.847 | 4.824 | 4.881 | VV | 1703 | 21147 | 0.35% | 0.030% |
| 38 | 4.932 | 4.881 | 4.953 | VV | 369 | 11630 | 0.19% | 0.016% |
| 39 | 4.967 | 4.953 | 5.004 | VV | 514 | 10202 | 0.17% | 0.014% |
| 40 | 5.024 | 5.004 | 5.036 | VV | 304 | 5207 | 0.09% | 0.007% |
| 41 | 5.055 | 5.036 | 5.081 | VV | 457 | 8668 | 0.14% | 0.012% |
| 42 | 5.093 | 5.081 | 5.114 | VV | 394 | 6093 | 0.10% | 0.009% |
| 43 | 5.131 | 5.114 | 5.168 | VV | 460 | 10738 | 0.18% | 0.015% |
| 44 | 5.196 | 5.168 | 5.247 | VV | 346 | 11278 | 0.18% | 0.016% |
| 45 | 5.264 | 5.247 | 5.282 | VV | 255 | 3695 | 0.06% | 0.005% |
| 46 | 5.295 | 5.282 | 5.318 | VV | 193 | 2895 | 0.05% | 0.004% |
| 47 | 5.364 | 5.318 | 5.381 | VV | 260 | 6710 | 0.11% | 0.010% |
| 48 | 5.392 | 5.381 | 5.418 | VV | 387 | 5887 | 0.10% | 0.008% |
| 49 | 5.430 | 5.418 | 5.458 | VV | 299 | 5208 | 0.09% | 0.007% |
| 50 | 5.473 | 5.458 | 5.488 | VV | 504 | 5877 | 0.10% | 0.008% |
| 51 | 5.499 | 5.488 | 5.514 | VV | 439 | 4844 | 0.08% | 0.007% |
| 52 | 5.527 | 5.514 | 5.539 | VV | 261 | 2817 | 0.05% | 0.004% |
| 53 | 5.599 | 5.539 | 5.606 | VV | 245 | 5106 | 0.08% | 0.007% |
| 54 | 5.626 | 5.606 | 5.651 | VV | 1101 | 13359 | 0.22% | 0.019% |
| 55 | 5.674 | 5.651 | 5.688 | VV | 299 | 5210 | 0.09% | 0.007% |
| 56 | 5.701 | 5.688 | 5.721 | VV | 362 | 5060 | 0.08% | 0.007% |
| 57 | 5.727 | 5.721 | 5.747 | VV | 154 | 2158 | 0.04% | 0.003% |
| 58 | 5.769 | 5.747 | 5.793 | VV | 238 | 3426 | 0.06% | 0.005% |
| 59 | 5.822 | 5.793 | 5.838 | PV | 1110 | 12932 | 0.21% | 0.018% |
| 60 | 5.856 | 5.838 | 5.939 | VV | 705 | 17343 | 0.28% | 0.025% |
| 61 | 5.948 | 5.939 | 5.967 | VV | 195 | 2267 | 0.04% | 0.003% |
| 62 | 6.017 | 5.967 | 6.041 | VV | 566 | 12510 | 0.20% | 0.018% |
| 63 | 6.051 | 6.041 | 6.075 | VV | 200 | 3704 | 0.06% | 0.005% |
| 64 | 6.085 | 6.075 | 6.103 | VV | 253 | 3770 | 0.06% | 0.005% |
| 65 | 6.140 | 6.103 | 6.164 | VV | 453 | 10487 | 0.17% | 0.015% |
| 66 | 6.182 | 6.164 | 6.228 | VV | 387 | 9599 | 0.16% | 0.014% |
| 67 | 6.258 | 6.228 | 6.284 | PV | 299 | 5670 | 0.09% | 0.008% |
| 68 | 6.304 | 6.284 | 6.328 | VV | 478 | 6768 | 0.11% | 0.010% |
| 69 | 6.361 | 6.328 | 6.382 | VV | 362 | 8509 | 0.14% | 0.012% |

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|---|---|---|---|---|---|---|---|---|
| 70 | 6.404 | 6.382 | 6.444 | VV | 1532 | 23928 | 0.39% | 0.034% |
| 71 | 6.455 | 6.444 | 6.474 | VV | 378 | 5169 | 0.08% | 0.007% |
| 72 | 6.503 | 6.474 | 6.530 | VV | 493 | 11048 | 0.18% | 0.016% |
| 73 | 6.563 | 6.530 | 6.580 | VV | 509 | 10565 | 0.17% | 0.015% |
| 74 | 6.592 | 6.580 | 6.597 | VV | 323 | 2871 | 0.05% | 0.004% |
| 75 | 6.627 | 6.597 | 6.668 | VV | 873 | 19581 | 0.32% | 0.028% |
| 76 | 6.694 | 6.668 | 6.714 | VV | 957 | 14723 | 0.24% | 0.021% |
| 77 | 6.737 | 6.714 | 6.757 | VV | 388 | 7770 | 0.13% | 0.011% |
| 78 | 6.785 | 6.757 | 6.798 | VV | 497 | 9244 | 0.15% | 0.013% |
| 79 | 6.857 | 6.798 | 6.911 | VV | 1771 | 36315 | 0.59% | 0.051% |
| 80 | 6.937 | 6.911 | 6.964 | VV | 619 | 11738 | 0.19% | 0.017% |
| 81 | 6.975 | 6.964 | 6.984 | VV | 217 | 2582 | 0.04% | 0.004% |
| 82 | 7.012 | 6.984 | 7.034 | VV | 835 | 12489 | 0.20% | 0.018% |
| 83 | 7.057 | 7.034 | 7.081 | VV | 490 | 7838 | 0.13% | 0.011% |
| 84 | 7.087 | 7.081 | 7.111 | VV | 175 | 1636 | 0.03% | 0.002% |
| 85 | 7.146 | 7.111 | 7.164 | VV | 334 | 6097 | 0.10% | 0.009% |
| 86 | 7.196 | 7.164 | 7.238 | PV | 291 | 6308 | 0.10% | 0.009% |
| 87 | 7.270 | 7.238 | 7.324 | VV | 560 | 10859 | 0.18% | 0.015% |
| 88 | 7.346 | 7.324 | 7.364 | VV | 625 | 9347 | 0.15% | 0.013% |
| 89 | 7.394 | 7.364 | 7.418 | VV | 556 | 13604 | 0.22% | 0.019% |
| 90 | 7.437 | 7.418 | 7.460 | VV | 635 | 8891 | 0.15% | 0.013% |
| 91 | 7.505 | 7.460 | 7.524 | VV | 826 | 16762 | 0.27% | 0.024% |
| 92 | 7.537 | 7.524 | 7.564 | VV | 524 | 6639 | 0.11% | 0.009% |
| 93 | 7.582 | 7.564 | 7.626 | VV | 1185 | 19527 | 0.32% | 0.028% |
| 94 | 7.645 | 7.626 | 7.664 | VV | 623 | 7881 | 0.13% | 0.011% |
| 95 | 7.683 | 7.664 | 7.704 | VV | 412 | 6856 | 0.11% | 0.010% |
| 96 | 7.724 | 7.704 | 7.751 | VV | 261 | 4546 | 0.07% | 0.006% |
| 97 | 7.808 | 7.751 | 7.841 | VV | 2458 | 39382 | 0.64% | 0.056% |
| 98 | 7.856 | 7.841 | 7.873 | VV | 285 | 4296 | 0.07% | 0.006% |
| 99 | 7.896 | 7.873 | 7.921 | VV | 283 | 6215 | 0.10% | 0.009% |
| 100 | 7.940 | 7.921 | 7.961 | VV | 280 | 4546 | 0.07% | 0.006% |
| 101 | 7.989 | 7.961 | 8.061 | VV | 739 | 18031 | 0.29% | 0.026% |
| 102 | 8.069 | 8.061 | 8.084 | PV | 99 | 957 | 0.02% | 0.001% |
| 103 | 8.245 | 8.215 | 8.259 | VV | 1176 | 27605 | 0.45% | 0.039% |
| 104 | 8.267 | 8.259 | 8.288 | VV | 1045 | 15374 | 0.25% | 0.022% |
| 105 | 8.296 | 8.288 | 8.320 | VV | 744 | 11332 | 0.19% | 0.016% |
| 106 | 8.338 | 8.320 | 8.368 | VV | 698 | 13635 | 0.22% | 0.019% |
| 107 | 8.385 | 8.368 | 8.413 | VV | 863 | 16349 | 0.27% | 0.023% |
| 108 | 8.436 | 8.413 | 8.484 | VV | 1029 | 24691 | 0.40% | 0.035% |
| 109 | 8.513 | 8.484 | 8.536 | VV | 1892 | 28729 | 0.47% | 0.041% |
| 110 | 8.627 | 8.536 | 8.642 | VV | 1055 | 42903 | 0.70% | 0.061% |
| 111 | 8.694 | 8.642 | 8.731 | VV | 4551 | 90650 | 1.48% | 0.128% |
| 112 | 8.741 | 8.731 | 8.759 | VV | 751 | 10663 | 0.17% | 0.015% |

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|---|---|---|---|---|---|---|---|---|
| 113 | 8.811 | 8.759 | 8.828 | VV | 823 | 27130 | 0.44% | 0.038% |
| 114 | 8.866 | 8.828 | 8.907 | VV | 1548 | 35886 | 0.59% | 0.051% |
| 115 | 8.924 | 8.907 | 8.961 | VV | 724 | 15719 | 0.26% | 0.022% |
| 116 | 9.166 | 9.141 | 9.218 | VV | 1781 | 55407 | 0.90% | 0.078% |
| 117 | 9.237 | 9.218 | 9.264 | VV | 3222 | 47958 | 0.78% | 0.068% |
| 118 | 9.286 | 9.264 | 9.305 | VV | 750 | 15807 | 0.26% | 0.022% |
| 119 | 9.328 | 9.305 | 9.336 | VV | 859 | 13269 | 0.22% | 0.019% |
| 120 | 9.354 | 9.336 | 9.372 | VV | 920 | 17540 | 0.29% | 0.025% |
| 121 | 9.389 | 9.372 | 9.408 | VV | 882 | 16265 | 0.27% | 0.023% |
| 122 | 9.433 | 9.408 | 9.469 | VV | 1647 | 41221 | 0.67% | 0.058% |
| 123 | 9.477 | 9.469 | 9.489 | VV | 906 | 10236 | 0.17% | 0.014% |
| 124 | 9.526 | 9.489 | 9.554 | VV | 4030 | 66276 | 1.08% | 0.094% |
| 125 | 9.569 | 9.554 | 9.588 | VV | 944 | 16472 | 0.27% | 0.023% |
| 126 | 9.613 | 9.588 | 9.644 | VV | 791 | 19500 | 0.32% | 0.028% |
| 127 | 9.685 | 9.644 | 9.704 | VV | 797 | 20564 | 0.34% | 0.029% |
| 128 | 9.716 | 9.704 | 9.746 | VV | 623 | 13344 | 0.22% | 0.019% |
| 129 | 9.766 | 9.746 | 9.800 | VV | 588 | 13637 | 0.22% | 0.019% |
| 130 | 9.823 | 9.800 | 9.840 | VV | 705 | 12802 | 0.21% | 0.018% |
| 131 | 9.859 | 9.840 | 9.884 | VV | 790 | 16349 | 0.27% | 0.023% |
| 132 | 9.906 | 9.884 | 9.961 | VV | 1377 | 38820 | 0.63% | 0.055% |
| 133 | 9.987 | 9.961 | 10.021 | VV | 1174 | 27196 | 0.44% | 0.039% |
| 134 | 10.033 | 10.021 | 10.050 | VV | 672 | 9571 | 0.16% | 0.014% |
| 135 | 10.065 | 10.050 | 10.076 | VV | 717 | 9568 | 0.16% | 0.014% |
| 136 | 10.089 | 10.076 | 10.121 | VV | 862 | 14342 | 0.23% | 0.020% |
| 137 | 10.145 | 10.121 | 10.161 | VV | 545 | 10442 | 0.17% | 0.015% |
| 138 | 10.185 | 10.161 | 10.216 | VV | 17378 | 188960 | 3.09% | 0.268% |
| 139 | 10.229 | 10.216 | 10.287 | VV | 1009 | 33589 | 0.55% | 0.048% |
| 140 | 10.310 | 10.287 | 10.403 | VV | 3143 | 58890 | 0.96% | 0.083% |
| 141 | 10.417 | 10.403 | 10.463 | VV | 438 | 8572 | 0.14% | 0.012% |
| 142 | 10.488 | 10.463 | 10.537 | VV | 346 | 7506 | 0.12% | 0.011% |
| 143 | 10.593 | 10.537 | 10.604 | PV | 246 | 4259 | 0.07% | 0.006% |
| 144 | 10.622 | 10.604 | 10.634 | VV | 287 | 3352 | 0.05% | 0.005% |
| 145 | 10.661 | 10.634 | 10.684 | VV | 1396 | 20851 | 0.34% | 0.030% |
| 146 | 10.702 | 10.684 | 10.729 | VV | 1880 | 26915 | 0.44% | 0.038% |
| 147 | 10.761 | 10.729 | 10.781 | VV | 788 | 17772 | 0.29% | 0.025% |
| 148 | 10.793 | 10.781 | 10.822 | VV | 875 | 13856 | 0.23% | 0.020% |
| 149 | 10.846 | 10.822 | 10.878 | VV | 632 | 13226 | 0.22% | 0.019% |
| 150 | 10.900 | 10.878 | 10.932 | VV | 509 | 10386 | 0.17% | 0.015% |
| 151 | 10.976 | 10.932 | 10.998 | VV | 1231 | 29946 | 0.49% | 0.042% |
| 152 | 11.008 | 10.998 | 11.026 | VV | 778 | 10248 | 0.17% | 0.015% |
| 153 | 11.054 | 11.026 | 11.076 | VV | 2784 | 38146 | 0.62% | 0.054% |
| 154 | 11.083 | 11.076 | 11.100 | VV | 480 | 5680 | 0.09% | 0.008% |
| 155 | 11.125 | 11.100 | 11.214 | VV | 2531 | 56215 | 0.92% | 0.080% |

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|---|---|---|---|---|---|---|---|---|
| 156 | 11.277 | 11.214 | 11.301 | VV | 898 | 20188 | 0.33% | 0.029% |
| 157 | 11.325 | 11.301 | 11.368 | VV | 2528 | 43347 | 0.71% | 0.061% |
| 158 | 11.398 | 11.368 | 11.419 | VV | 1152 | 19138 | 0.31% | 0.027% |
| 159 | 11.450 | 11.419 | 11.501 | VV | 1043 | 26702 | 0.44% | 0.038% |
| 160 | 11.508 | 11.501 | 11.518 | VV | 368 | 3183 | 0.05% | 0.005% |
| 161 | 11.536 | 11.518 | 11.555 | VV | 546 | 7986 | 0.13% | 0.011% |
| 162 | 11.563 | 11.555 | 11.597 | VV | 259 | 3908 | 0.06% | 0.006% |
| 163 | 11.622 | 11.597 | 11.656 | PV | 652 | 11050 | 0.18% | 0.016% |
| 164 | 11.691 | 11.656 | 11.711 | VV | 1170 | 16874 | 0.28% | 0.024% |
| 165 | 11.760 | 11.711 | 11.781 | VV | 3015 | 49895 | 0.81% | 0.071% |
| 166 | 11.851 | 11.781 | 11.904 | VV | 2243 | 57888 | 0.95% | 0.082% |
| 167 | 11.924 | 11.904 | 11.934 | VV | 473 | 5581 | 0.09% | 0.008% |
| 168 | 11.953 | 11.934 | 11.971 | VV | 890 | 14981 | 0.24% | 0.021% |
| 169 | 12.002 | 11.971 | 12.014 | VV | 930 | 19823 | 0.32% | 0.028% |
| 170 | 12.027 | 12.014 | 12.044 | VV | 1209 | 17137 | 0.28% | 0.024% |
| 171 | 12.090 | 12.044 | 12.146 | VV | 413261 | 4437084 | 72.46% | 6.283% |
| 172 | 12.183 | 12.146 | 12.234 | VV | 2109 | 65110 | 1.06% | 0.092% |
| 173 | 12.250 | 12.234 | 12.264 | VV | 814 | 10089 | 0.16% | 0.014% |
| 174 | 12.284 | 12.264 | 12.300 | VV | 1856 | 26551 | 0.43% | 0.038% |
| 175 | 12.313 | 12.300 | 12.344 | VV | 1466 | 20869 | 0.34% | 0.030% |
| 176 | 12.367 | 12.344 | 12.388 | PV | 584 | 7954 | 0.13% | 0.011% |
| 177 | 12.431 | 12.388 | 12.481 | VV | 2269 | 51208 | 0.84% | 0.073% |
| 178 | 12.512 | 12.481 | 12.558 | VV | 1466 | 40395 | 0.66% | 0.057% |
| 179 | 12.567 | 12.558 | 12.581 | VV | 606 | 6805 | 0.11% | 0.010% |
| 180 | 12.603 | 12.581 | 12.622 | VV | 554 | 9449 | 0.15% | 0.013% |
| 181 | 12.638 | 12.622 | 12.651 | PV | 380 | 4469 | 0.07% | 0.006% |
| 182 | 12.678 | 12.651 | 12.758 | VV | 15686 | 231430 | 3.78% | 0.328% |
| 183 | 12.774 | 12.758 | 12.791 | VV | 620 | 10038 | 0.16% | 0.014% |
| 184 | 12.810 | 12.791 | 12.833 | VV | 1260 | 19959 | 0.33% | 0.028% |
| 185 | 12.851 | 12.833 | 12.871 | VV | 1363 | 16174 | 0.26% | 0.023% |
| 186 | 12.895 | 12.871 | 12.910 | VV | 405 | 6485 | 0.11% | 0.009% |
| 187 | 12.943 | 12.910 | 12.962 | VV | 422 | 9165 | 0.15% | 0.013% |
| 188 | 13.033 | 12.962 | 13.054 | PV | 1393 | 35358 | 0.58% | 0.050% |
| 189 | 13.076 | 13.054 | 13.117 | VV | 3053 | 52127 | 0.85% | 0.074% |
| 190 | 13.150 | 13.117 | 13.188 | VV | 5013 | 93868 | 1.53% | 0.133% |
| 191 | 13.211 | 13.188 | 13.238 | VV | 389 | 7926 | 0.13% | 0.011% |
| 192 | 13.255 | 13.238 | 13.267 | VV | 397 | 4548 | 0.07% | 0.006% |
| 193 | 13.285 | 13.267 | 13.308 | VV | 432 | 6613 | 0.11% | 0.009% |
| 194 | 13.332 | 13.308 | 13.373 | VV | 3342 | 52521 | 0.86% | 0.074% |
| 195 | 13.404 | 13.373 | 13.420 | VV | 646 | 11592 | 0.19% | 0.016% |
| 196 | 13.455 | 13.420 | 13.492 | VV | 4314 | 74707 | 1.22% | 0.106% |
| 197 | 13.526 | 13.492 | 13.562 | VV | 295883 | 3484883 | 56.91% | 4.935% |
| 198 | 13.579 | 13.562 | 13.610 | VV | 1059 | 20947 | 0.34% | 0.030% |
| 199 | 13.636 | 13.610 | 13.654 | VV | 923 | 13254 | 0.22% | 0.019% |

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|---|---|---|---|---|---|---|---|---|
| 200 | 13.692 | 13.654 | 13.729 | VV | 2212 | 48332 | 0.79% | 0.068% |
| 201 | 13.761 | 13.729 | 13.774 | VV | 3108 | 55447 | 0.91% | 0.079% |
| 202 | 13.790 | 13.774 | 13.838 | VV | 3243 | 82167 | 1.34% | 0.116% |
| 203 | 13.920 | 13.838 | 13.948 | VV | 4606 | 119818 | 1.96% | 0.170% |
| 204 | 13.959 | 13.948 | 13.985 | VV | 1446 | 28212 | 0.46% | 0.040% |
| 205 | 13.999 | 13.985 | 14.010 | VV | 1142 | 15820 | 0.26% | 0.022% |
| 206 | 14.043 | 14.010 | 14.063 | VV | 1707 | 40480 | 0.66% | 0.057% |
| 207 | 14.092 | 14.063 | 14.101 | VV | 1442 | 26506 | 0.43% | 0.038% |
| 208 | 14.119 | 14.101 | 14.137 | VV | 1739 | 32573 | 0.53% | 0.046% |
| 209 | 14.157 | 14.137 | 14.174 | VV | 1816 | 33067 | 0.54% | 0.047% |
| 210 | 14.197 | 14.174 | 14.209 | VV | 1944 | 32845 | 0.54% | 0.047% |
| 211 | 14.231 | 14.209 | 14.257 | VV | 1948 | 45172 | 0.74% | 0.064% |
| 212 | 14.279 | 14.257 | 14.295 | VV | 2849 | 46451 | 0.76% | 0.066% |
| 213 | 14.317 | 14.295 | 14.354 | VV | 2284 | 64211 | 1.05% | 0.091% |
| 214 | 14.365 | 14.354 | 14.391 | VV | 1198 | 19160 | 0.31% | 0.027% |
| 215 | 14.406 | 14.391 | 14.414 | VV | 926 | 10495 | 0.17% | 0.015% |
| 216 | 14.433 | 14.414 | 14.458 | VV | 975 | 17920 | 0.29% | 0.025% |
| 217 | 14.465 | 14.458 | 14.475 | VV | 576 | 4495 | 0.07% | 0.006% |
| 218 | 14.503 | 14.475 | 14.514 | VV | 1334 | 20588 | 0.34% | 0.029% |
| 219 | 14.533 | 14.514 | 14.609 | VV | 1858 | 48368 | 0.79% | 0.068% |
| 220 | 14.615 | 14.609 | 14.621 | VV | 215 | 1042 | 0.02% | 0.001% |
| 221 | 14.675 | 14.621 | 14.696 | VV | 1057 | 25368 | 0.41% | 0.036% |
| 222 | 14.718 | 14.696 | 14.740 | VV | 1101 | 15892 | 0.26% | 0.023% |
| 223 | 14.784 | 14.740 | 14.818 | VV | 1167 | 29302 | 0.48% | 0.041% |
| 224 | 14.846 | 14.818 | 14.865 | PV | 2143 | 25674 | 0.42% | 0.036% |
| 225 | 14.885 | 14.865 | 14.894 | VV | 591 | 8458 | 0.14% | 0.012% |
| 226 | 14.915 | 14.894 | 14.933 | VV | 851 | 14379 | 0.23% | 0.020% |
| 227 | 14.974 | 14.933 | 15.009 | VV | 1747 | 41686 | 0.68% | 0.059% |
| 228 | 15.028 | 15.009 | 15.051 | PV | 798 | 9902 | 0.16% | 0.014% |
| 229 | 15.094 | 15.051 | 15.104 | VV | 553 | 12987 | 0.21% | 0.018% |
| 230 | 15.113 | 15.104 | 15.126 | VV | 479 | 4931 | 0.08% | 0.007% |
| 231 | 15.156 | 15.126 | 15.173 | VV | 668 | 12475 | 0.20% | 0.018% |
| 232 | 15.222 | 15.173 | 15.264 | VV | 15215 | 206770 | 3.38% | 0.293% |
| 233 | 15.340 | 15.264 | 15.360 | VV | 3534 | 77865 | 1.27% | 0.110% |
| 234 | 15.382 | 15.360 | 15.410 | VV | 5209 | 73845 | 1.21% | 0.105% |
| 235 | 15.433 | 15.410 | 15.454 | VV | 1584 | 25604 | 0.42% | 0.036% |
| 236 | 15.490 | 15.454 | 15.511 | VV | 1590 | 39340 | 0.64% | 0.056% |
| 237 | 15.542 | 15.511 | 15.559 | VV | 1386 | 29579 | 0.48% | 0.042% |
| 238 | 15.573 | 15.559 | 15.610 | VV | 1030 | 20251 | 0.33% | 0.029% |
| 239 | 15.653 | 15.610 | 15.685 | PV | 1164 | 24142 | 0.39% | 0.034% |
| 240 | 15.735 | 15.685 | 15.740 | VV | 381 | 11194 | 0.18% | 0.016% |
| 241 | 15.771 | 15.740 | 15.812 | VV | 9137 | 157779 | 2.58% | 0.223% |
| 242 | 15.827 | 15.812 | 15.846 | VV | 1324 | 22145 | 0.36% | 0.031% |

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|---|---|---|---|---|---|---|---|---|
| 243 | 15.857 | 15.846 | 15.883 | VV | 712 | 8815 | 0.14% | 0.012% |
| 244 | 15.928 | 15.883 | 15.961 | PV | 15525 | 224820 | 3.67% | 0.318% |
| 245 | 15.989 | 15.961 | 15.998 | VV | 1865 | 23522 | 0.38% | 0.033% |
| 246 | 16.014 | 15.998 | 16.031 | VV | 1910 | 27243 | 0.44% | 0.039% |
| 247 | 16.052 | 16.031 | 16.087 | VV | 1144 | 23024 | 0.38% | 0.033% |
| 248 | 16.179 | 16.087 | 16.204 | PV | 1214 | 36012 | 0.59% | 0.051% |
| 249 | 16.223 | 16.204 | 16.235 | VV | 958 | 12481 | 0.20% | 0.018% |
| 250 | 16.306 | 16.235 | 16.334 | VV | 3685 | 80382 | 1.31% | 0.114% |
| 251 | 16.350 | 16.334 | 16.359 | VV | 1187 | 16190 | 0.26% | 0.023% |
| 252 | 16.374 | 16.359 | 16.384 | VV | 1512 | 17299 | 0.28% | 0.024% |
| 253 | 16.410 | 16.384 | 16.430 | VV | 2943 | 47454 | 0.77% | 0.067% |
| 254 | 16.450 | 16.430 | 16.498 | VV | 1742 | 47721 | 0.78% | 0.068% |
| 255 | 16.506 | 16.498 | 16.521 | VV | 918 | 8748 | 0.14% | 0.012% |
| 256 | 16.555 | 16.521 | 16.568 | VV | 568 | 15032 | 0.25% | 0.021% |
| 257 | 16.611 | 16.568 | 16.646 | VV | 1633 | 43588 | 0.71% | 0.062% |
| 258 | 16.654 | 16.646 | 16.668 | VV | 301 | 2318 | 0.04% | 0.003% |
| 259 | 16.723 | 16.668 | 16.745 | PV | 1658 | 37503 | 0.61% | 0.053% |
| 260 | 16.790 | 16.745 | 16.842 | VV | 2702 | 70262 | 1.15% | 0.099% |
| 261 | 16.903 | 16.842 | 16.954 | PV | 4872 | 113236 | 1.85% | 0.160% |
| 262 | 16.981 | 16.954 | 17.001 | VV | 2642 | 36087 | 0.59% | 0.051% |
| 263 | 17.039 | 17.001 | 17.061 | VV | 1673 | 42474 | 0.69% | 0.060% |
| 264 | 17.101 | 17.061 | 17.110 | VV | 1069 | 26867 | 0.44% | 0.038% |
| 265 | 17.140 | 17.110 | 17.160 | VV | 898 | 21840 | 0.36% | 0.031% |
| 266 | 17.229 | 17.160 | 17.238 | PV | 2149 | 47330 | 0.77% | 0.067% |
| 267 | 17.265 | 17.238 | 17.323 | VV | 10861 | 182694 | 2.98% | 0.259% |
| 268 | 17.386 | 17.323 | 17.428 | PV | 6010 | 206152 | 3.37% | 0.292% |
| 269 | 17.441 | 17.428 | 17.461 | VV | 1446 | 20478 | 0.33% | 0.029% |
| 270 | 17.509 | 17.461 | 17.535 | VV | 2377 | 57656 | 0.94% | 0.082% |
| 271 | 17.629 | 17.535 | 17.648 | VV | 3868 | 131275 | 2.14% | 0.186% |
| 272 | 17.657 | 17.648 | 17.671 | VV | 1933 | 19800 | 0.32% | 0.028% |
| 273 | 17.719 | 17.671 | 17.761 | VV | 6129 | 179619 | 2.93% | 0.254% |
| 274 | 17.776 | 17.761 | 17.785 | VV | 2967 | 35487 | 0.58% | 0.050% |
| 275 | 17.814 | 17.785 | 17.838 | VV | 8626 | 139231 | 2.27% | 0.197% |
| 276 | 17.872 | 17.838 | 17.886 | VV | 3000 | 48927 | 0.80% | 0.069% |
| 277 | 17.902 | 17.886 | 17.918 | VV | 2532 | 36228 | 0.59% | 0.051% |
| 278 | 17.953 | 17.918 | 17.977 | VV | 2332 | 61725 | 1.01% | 0.087% |
| 279 | 18.002 | 17.977 | 18.020 | VV | 2173 | 25131 | 0.41% | 0.036% |
| 280 | 18.040 | 18.020 | 18.055 | PV | 1388 | 16860 | 0.28% | 0.024% |
| 281 | 18.061 | 18.055 | 18.081 | VV | 693 | 6489 | 0.11% | 0.009% |
| 282 | 18.110 | 18.081 | 18.123 | PV | 1050 | 14780 | 0.24% | 0.021% |
| 283 | 18.160 | 18.123 | 18.203 | VV | 4431 | 125002 | 2.04% | 0.177% |
| 284 | 18.253 | 18.203 | 18.291 | VV | 9918 | 265913 | 4.34% | 0.377% |
| 285 | 18.305 | 18.291 | 18.313 | VV | 2209 | 25601 | 0.42% | 0.036% |

rteres

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 286 | 18.338 | 18.313 | 18.368 | VV | 4543 | 104241 | 1.70% | 0.148% |
| 287 | 18.423 | 18.368 | 18.439 | VV | 9596 | 210763 | 3.44% | 0.298% |
| 288 | 18.448 | 18.439 | 18.469 | VV | 6334 | 97023 | 1.58% | 0.137% |
| 289 | 18.485 | 18.469 | 18.495 | VV | 5144 | 68287 | 1.12% | 0.097% |
| 290 | 18.509 | 18.495 | 18.530 | VV | 4131 | 72344 | 1.18% | 0.102% |
| 291 | 18.541 | 18.530 | 18.552 | VV | 2983 | 33269 | 0.54% | 0.047% |
| 292 | 18.595 | 18.552 | 18.603 | VV | 9565 | 178419 | 2.91% | 0.253% |
| 293 | 18.619 | 18.603 | 18.644 | VV | 11296 | 222256 | 3.63% | 0.315% |
| 294 | 18.677 | 18.644 | 18.719 | VV | 15110 | 395646 | 6.46% | 0.560% |
| 295 | 18.789 | 18.719 | 18.834 | VV | 13454 | 511650 | 8.36% | 0.725% |
| 296 | 18.854 | 18.834 | 18.877 | VV | 9087 | 192056 | 3.14% | 0.272% |
| 297 | 18.934 | 18.877 | 18.943 | VV | 9899 | 325457 | 5.31% | 0.461% |
| 298 | 18.958 | 18.943 | 18.979 | VV | 8765 | 175521 | 2.87% | 0.249% |
| 299 | 18.995 | 18.979 | 19.005 | VV | 8228 | 117226 | 1.91% | 0.166% |
| 300 | 19.013 | 19.005 | 19.024 | VV | 8077 | 79099 | 1.29% | 0.112% |
| 301 | 19.087 | 19.024 | 19.138 | VV | 20400 | 801278 | 13.09% | 1.135% |
| 302 | 19.186 | 19.138 | 19.201 | VV | 12025 | 397927 | 6.50% | 0.563% |
| 303 | 19.216 | 19.201 | 19.238 | VV | 13003 | 255694 | 4.18% | 0.362% |
| 304 | 19.266 | 19.238 | 19.297 | VV | 13230 | 398637 | 6.51% | 0.564% |
| 305 | 19.308 | 19.297 | 19.320 | VV | 10043 | 122263 | 2.00% | 0.173% |
| 306 | 19.362 | 19.320 | 19.373 | VV | 11052 | 316279 | 5.16% | 0.448% |
| 307 | 19.488 | 19.373 | 19.521 | VV | 21091 | 1301821 | 21.26% | 1.843% |
| 308 | 19.539 | 19.521 | 19.587 | VV | 17962 | 605315 | 9.89% | 0.857% |
| 309 | 19.625 | 19.587 | 19.653 | VV | 18724 | 679572 | 11.10% | 0.962% |
| 310 | 19.665 | 19.653 | 19.677 | VV | 19502 | 262739 | 4.29% | 0.372% |
| 311 | 19.692 | 19.677 | 19.705 | VV | 19859 | 317203 | 5.18% | 0.449% |
| 312 | 19.744 | 19.705 | 19.774 | VV | 21426 | 815394 | 13.32% | 1.155% |
| 313 | 19.791 | 19.774 | 19.800 | VV | 20615 | 300743 | 4.91% | 0.426% |
| 314 | 19.812 | 19.800 | 19.823 | VV | 21615 | 279844 | 4.57% | 0.396% |
| 315 | 19.873 | 19.823 | 19.896 | VV | 28976 | 1055813 | 17.24% | 1.495% |
| 316 | 19.923 | 19.896 | 19.937 | VV | 28336 | 656013 | 10.71% | 0.929% |
| 317 | 19.955 | 19.937 | 19.967 | VV | 29237 | 493933 | 8.07% | 0.699% |
| 318 | 20.017 | 19.967 | 20.042 | VV | 31675 | 1276486 | 20.85% | 1.808% |
| 319 | 20.064 | 20.042 | 20.075 | VV | 31933 | 590545 | 9.64% | 0.836% |
| 320 | 20.081 | 20.075 | 20.091 | VV | 31395 | 306901 | 5.01% | 0.435% |
| 321 | 20.103 | 20.091 | 20.109 | VV | 29913 | 314929 | 5.14% | 0.446% |
| 322 | 20.156 | 20.109 | 20.164 | VV | 36424 | 1036825 | 16.93% | 1.468% |
| 323 | 20.177 | 20.164 | 20.186 | VV | 36207 | 465868 | 7.61% | 0.660% |
| 324 | 20.247 | 20.186 | 20.298 | VV | 46318 | 2703478 | 44.15% | 3.828% |
| 325 | 20.320 | 20.298 | 20.354 | VV | 39813 | 1253196 | 20.47% | 1.775% |
| 326 | 20.367 | 20.354 | 20.401 | VV | 37003 | 983610 | 16.06% | 1.393% |
| 327 | 20.460 | 20.401 | 20.487 | VV | 46421 | 2174757 | 35.51% | 3.079% |
| 328 | 20.499 | 20.487 | 20.506 | VV | 45563 | 501970 | 8.20% | 0.711% |
| 329 | 20.527 | 20.506 | 20.549 | VV | 50208 | 1205471 | 19.69% | 1.707% |

rteres

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 330 | 20.557 | 20.549 | 20.591 | VV | 46686 | 1144014 | 18.68% | 1.620% |
| 331 | 20.617 | 20.591 | 20.626 | VV | 46399 | 956646 | 15.62% | 1.355% |
| 332 | 20.719 | 20.626 | 20.771 | VV | 53270 | 4204584 | 68.66% | 5.954% |
| 333 | 20.788 | 20.771 | 20.841 | VV | 48963 | 1965035 | 32.09% | 2.783% |
| 334 | 20.905 | 20.841 | 20.921 | VV | 48401 | 2221081 | 36.27% | 3.145% |
| 335 | 20.934 | 20.921 | 20.964 | VV | 51048 | 1263970 | 20.64% | 1.790% |
| 336 | 20.985 | 20.964 | 21.001 | VV | 55272 | 1139280 | 18.60% | 1.613% |
| 337 | 21.015 | 21.001 | 21.091 | VV | 53297 | 2592743 | 42.34% | 3.671% |
| 338 | 21.100 | 21.091 | 21.169 | VV | 39561 | 1692918 | 27.65% | 2.397% |
| 339 | 21.277 | 21.169 | 21.450 | VV | 43255 | 6123518 | 100.00% | 8.671% |
| 340 | 21.460 | 21.450 | 21.500 | VV | 24943 | 680186 | 11.11% | 0.963% |
| 341 | 21.540 | 21.500 | 21.551 | VV | 23516 | 673077 | 10.99% | 0.953% |
| 342 | 21.584 | 21.551 | 21.598 | VV | 25501 | 661128 | 10.80% | 0.936% |
| 343 | 21.607 | 21.598 | 21.639 | VV | 24385 | 552528 | 9.02% | 0.782% |
| 344 | 21.661 | 21.639 | 21.726 | VV | 23088 | 980151 | 16.01% | 1.388% |
| 345 | 21.751 | 21.726 | 21.781 | VV | 17112 | 518599 | 8.47% | 0.734% |
| 346 | 21.791 | 21.781 | 21.805 | VV | 14422 | 199769 | 3.26% | 0.283% |
| 347 | 21.870 | 21.805 | 21.886 | VV | 15380 | 689606 | 11.26% | 0.976% |
| 348 | 21.928 | 21.886 | 22.051 | VV | 19527 | 1354820 | 22.12% | 1.918% |
| 349 | 22.061 | 22.051 | 22.071 | VV | 6389 | 64236 | 1.05% | 0.091% |
| 350 | 22.080 | 22.071 | 22.089 | VV | 5279 | 46631 | 0.76% | 0.066% |
| 351 | 22.119 | 22.089 | 22.136 | VV | 5834 | 127180 | 2.08% | 0.180% |
| 352 | 22.156 | 22.136 | 22.198 | VV | 6211 | 129368 | 2.11% | 0.183% |
| 353 | 22.207 | 22.198 | 22.230 | VV | 2223 | 28800 | 0.47% | 0.041% |
| 354 | 22.254 | 22.230 | 22.274 | VV | 2788 | 53910 | 0.88% | 0.076% |
| 355 | 22.337 | 22.274 | 22.364 | PV | 4371 | 141886 | 2.32% | 0.201% |

Sum of corrected areas: 70620670

Aliphatic EPH 080125.M Wed Aug 13 06:43:57 2025

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

**Instrument :**
FID_C
**ClientSampleId :**
PB169207BL

Integration File: autoint1.e
Quant Time: Aug 13 01:18:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 9) S ortho-Terphenyl (SURR) | 11.667 | 5198688 | 34.847 ug/ml |
| Spiked Amount 50.000 | | Recovery = | 69.69% |
| 12) S 1-chlorooctadecane (S... | 13.101 | 4029814 | 36.963 ug/ml |
| Spiked Amount 50.000 | | Recovery = | 73.93% |
| Target Compounds | | | |

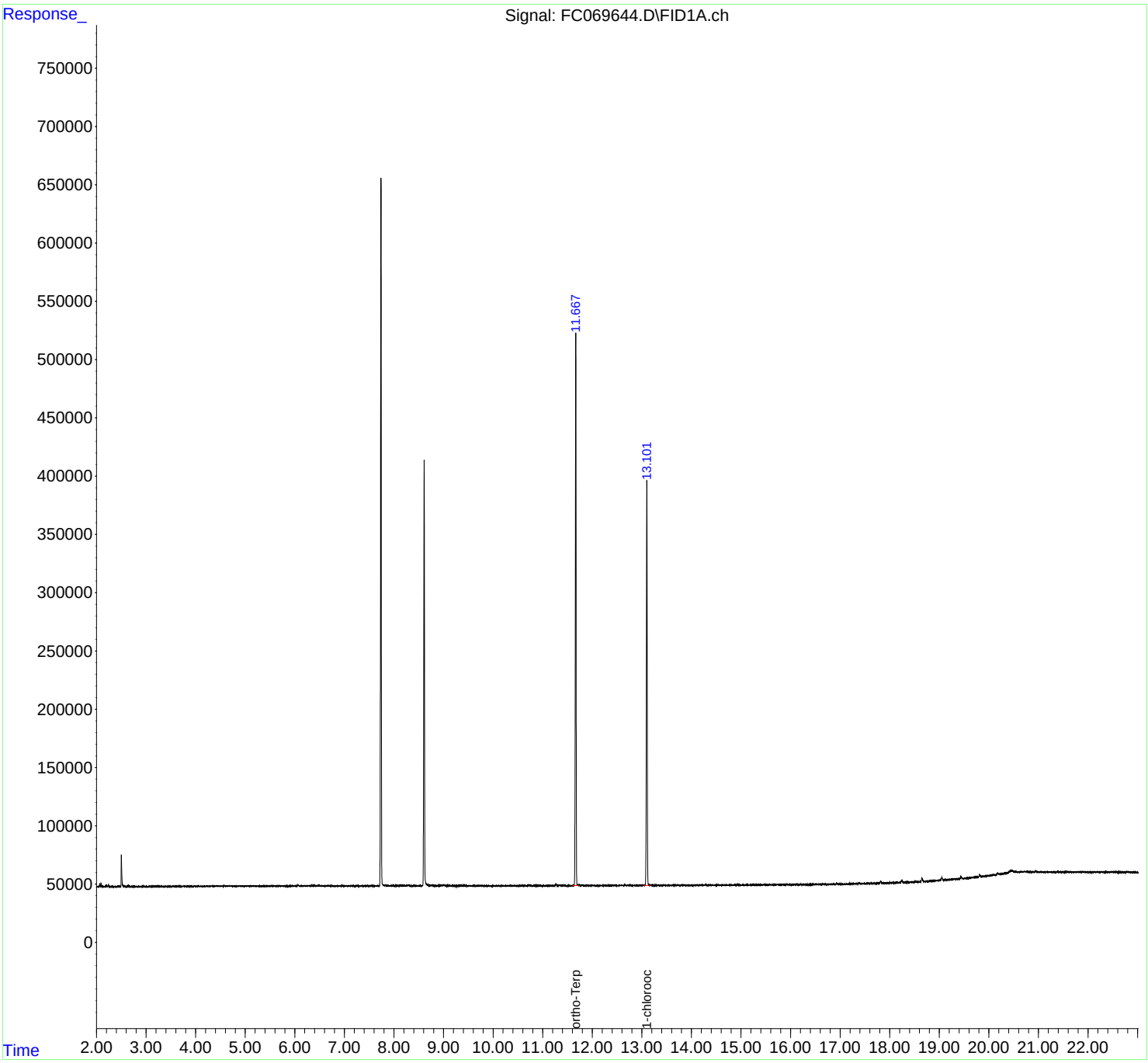
(f)=RT Delta > 1/2 Window (m)=manual int.

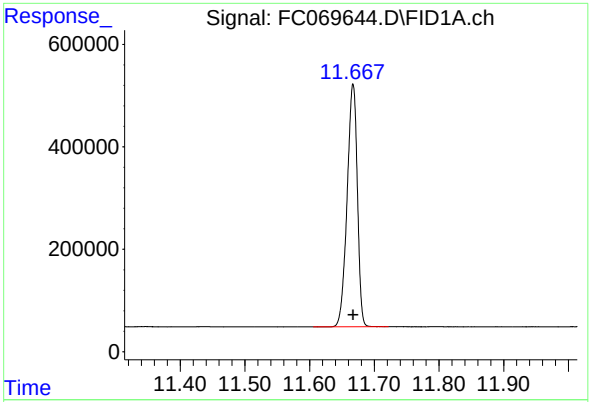
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069644.D
Signal(s) : FID1A.ch
Acq On : 12 Aug 2025 20:22
Operator : YP/AJ
Sample : PB169207BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
FID_C
**ClientSampleId :**
PB169207BL

Integration File: autoint1.e
Quant Time: Aug 13 01:18:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

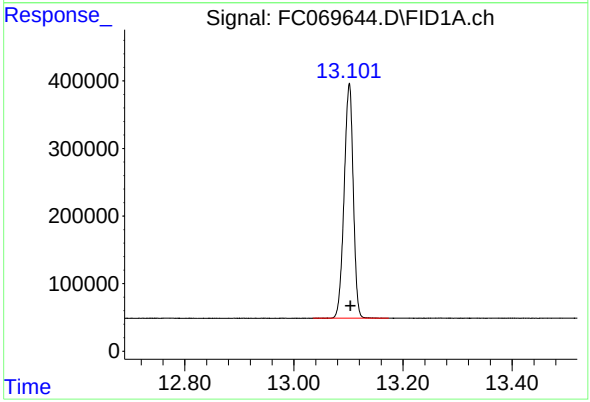





#9 ortho-Terphenyl (SURR)

R.T.: 11.667 min
Delta R.T.: 0.000 min
Response: 5198688
Conc: 34.85 ug/ml

**Instrument :**
FID_C
**ClientSampleId :**
PB169207BL




#12 1-chlorooctadecane (SURR)

R.T.: 13.101 min
Delta R.T.: -0.002 min
Response: 4029814
Conc: 36.96 ug/ml

rteres

Area Percent Report

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

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1A.ch

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|
| 1 | 11.667 | 11.605 | 11.722 | BB | 474661 | 5198688 | 100.00% | 56.333% |
| 2 | 13.101 | 13.035 | 13.174 | BB | 349272 | 4029814 | 77.52% | 43.667% |
| | | | Sum of corrected areas: | | | 9228502 | | |

Aliphatic EPH 080125.M Wed Aug 13 03:36:02 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069645.D
Signal(s) : FID1A.ch
Acq On : 12 Aug 2025 21:08
Operator : YP/AJ
Sample : PB169207BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
FID_C
**ClientSampleId :**
PB169207BS

Integration File: autoint1.e
Quant Time: Aug 13 01:19:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

| | Compound | R.T. | Response | Conc Units |
|---|---|---|---|---|
| | System Monitoring Compounds | | | |
| 9) S | ortho-Terphenyl (SURR) | 11.665 | 4914195 | 32.940 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 65.88% |
| 12) S | 1-chlorooctadecane (S... | 13.100 | 3814315 | 34.986 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 69.97% |
| | Target Compounds | | | |
| 1) T | n-Nonane (C9) | 3.405 | 3497611 | 24.549 ug/ml |
| 2) T | n-Decane (C10) | 4.474 | 3846915 | 26.461 ug/ml |
| 3) T | A~Naphthalene (C11.7) | 6.065 | 4720520 | 30.423 ug/ml |
| 4) T | n-Dodecane (C12) | 6.495 | 4315427 | 29.520 ug/ml |
| 5) T | A~2-methylnaphthalene... | 7.125 | 4476785 | 30.398 ug/ml |
| 6) T | n-Tetradecane (C14) | 8.296 | 4424544 | 31.004 ug/ml |
| 7) T | n-Hexadecane (C16) | 9.898 | 4466867 | 30.986 ug/ml |
| 8) T | n-Octadecane (C18) | 11.343 | 4307197 | 30.458 ug/ml |
| 10) T | n-Eicosane (C20) | 12.655 | 4244756 | 32.224 ug/ml |
| 11) T | n-Heneicosane (C21) | 13.266 | 4032805 | 31.619 ug/ml |
| 13) T | n-Docosane (C22) | 13.854 | 3914820 | 31.338 ug/ml |
| 14) T | n-Tetracosane (C24) | 14.951 | 7479290 | 61.981 ug/ml |
| 15) T | n-Hexacosane (C26) | 15.983 | 3574075 | 30.931 ug/ml |
| 16) T | n-Octacosane (C28) | 16.932 | 3428566 | 30.588 ug/ml |
| 17) T | n-Tricontane (C30) | 17.823 | 3399791 | 29.693 ug/ml |
| 18) T | n-Dotriacontane (C32) | 18.657 | 3379524 | 30.424 ug/ml |
| 19) T | n-Tetratriacontane (C34) | 19.442 | 3474796 | 34.126 ug/ml |
| 20) T | n-Hexatriacontane (C36) | 20.182 | 3283820 | 36.829 ug/ml |
| 21) T | n-Octatriacontane (C38) | 20.947 | 3292080 | 40.925 ug/ml |
| 22) T | n-Tetracontane (C40) | 21.913 | 3189359 | 42.592 ug/ml |

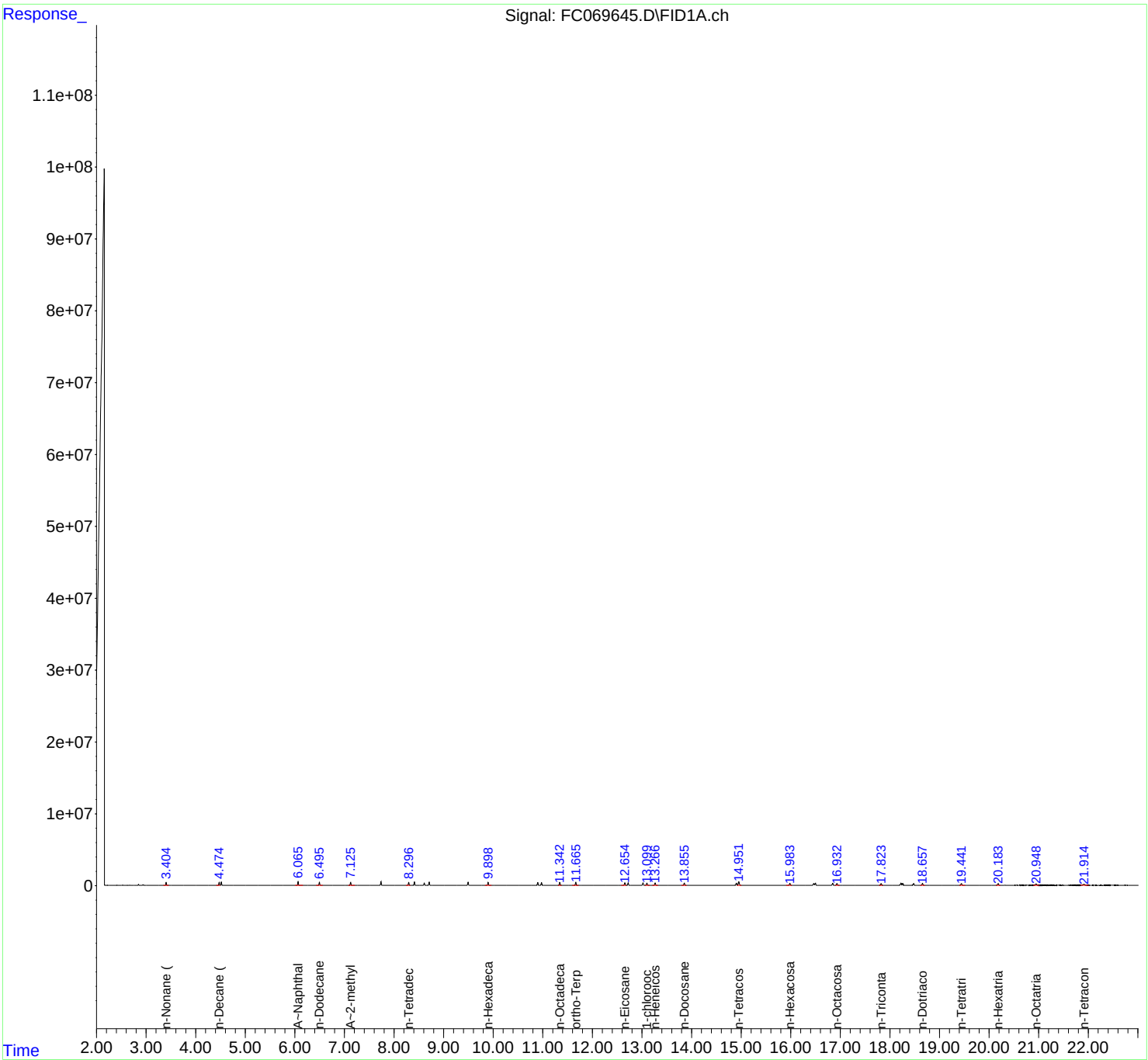
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069645.D
Signal(s) : FID1A.ch
Acq On : 12 Aug 2025 21:08
Operator : YP/AJ
Sample : PB169207BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
FID_C
**ClientSampleId :**
PB169207BS

Integration File: autoint1.e
Quant Time: Aug 13 01:19:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069645.D
Signal(s) : FID1A.ch
Acq On : 12 Aug 2025 21:08
Sample : PB169207BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1A.ch

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|
| 1 | 3.405 | 3.347 | 3.457 | BB | 424844 | 3497611 | 46.76% | 2.353% |
| 2 | 4.474 | 4.415 | 4.495 | BV | 432490 | 3846915 | 51.43% | 2.588% |
| 3 | 4.518 | 4.495 | 4.560 | VV | 483828 | 4237686 | 56.66% | 2.851% |
| 4 | 6.065 | 6.004 | 6.162 | BB | 514033 | 4720520 | 63.11% | 3.176% |
| 5 | 6.495 | 6.429 | 6.560 | BB | 432115 | 4315427 | 57.70% | 2.903% |
| 6 | 7.125 | 7.075 | 7.209 | BB | 442801 | 4476785 | 59.86% | 3.012% |
| 7 | 8.296 | 8.240 | 8.330 | BB | 421734 | 4424544 | 59.16% | 2.977% |
| 8 | 8.411 | 8.347 | 8.465 | BB | 480775 | 4769464 | 63.77% | 3.209% |
| 9 | 8.709 | 8.674 | 8.767 | PB | 473244 | 4772706 | 63.81% | 3.211% |
| 10 | 9.494 | 9.430 | 9.559 | BB | 453805 | 4665148 | 62.37% | 3.139% |
| 11 | 9.898 | 9.834 | 9.964 | BB | 414974 | 4466867 | 59.72% | 3.005% |
| 12 | 10.899 | 10.817 | 10.940 | BV | 397258 | 4299885 | 57.49% | 2.893% |
| 13 | 10.975 | 10.940 | 11.070 | VB | 385621 | 4253080 | 56.86% | 2.861% |
| 14 | 11.343 | 11.310 | 11.380 | BB | 383730 | 4307197 | 57.59% | 2.898% |
| 15 | 11.665 | 11.595 | 11.722 | BB | 445345 | 4914195 | 65.70% | 3.306% |
| 16 | 12.655 | 12.585 | 12.685 | BV | 363297 | 4244756 | 56.75% | 2.856% |
| 17 | 12.722 | 12.685 | 12.789 | VB | 370826 | 3974891 | 53.15% | 2.674% |
| 18 | 13.021 | 12.952 | 13.057 | BV | 342135 | 3951772 | 52.84% | 2.659% |
| 19 | 13.100 | 13.057 | 13.154 | VB | 311660 | 3814315 | 51.00% | 2.566% |
| 20 | 13.266 | 13.209 | 13.325 | BB | 336964 | 4032805 | 53.92% | 2.713% |
| 21 | 13.854 | 13.795 | 13.899 | BB | 319716 | 3914820 | 52.34% | 2.634% |
| 22 | 14.904 | 14.840 | 14.924 | BV | 298207 | 3711997 | 49.63% | 2.497% |
| 23 | 14.951 | 14.924 | 15.005 | VB | 515248 | 7479290 | 100.00% | 5.032% |
| 24 | 15.983 | 15.909 | 16.022 | BB | 275226 | 3574075 | 47.79% | 2.405% |
| 25 | 16.465 | 16.392 | 16.481 | BV | 270940 | 3734096 | 49.93% | 2.512% |

rteres

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 26 | 16.499 | 16.481 | 16.530 | VB | 314872 | 3703910 | 49.52% | 2.492% |
| 27 | 16.848 | 16.830 | 16.890 | BB | 243705 | 2147002 | 28.71% | 1.444% |
| 28 | 16.932 | 16.894 | 16.985 | BB | 260321 | 3428566 | 45.84% | 2.307% |
| 29 | 17.823 | 17.780 | 17.859 | BB | 253848 | 3399791 | 45.46% | 2.287% |
| 30 | 18.224 | 18.144 | 18.239 | BV | 287132 | 3896460 | 52.10% | 2.621% |
| 31 | 18.259 | 18.239 | 18.322 | VB | 278870 | 3535387 | 47.27% | 2.379% |
| 32 | 18.479 | 18.404 | 18.539 | BB | 260122 | 3505928 | 46.88% | 2.359% |
| 33 | 18.657 | 18.610 | 18.705 | BB | 239121 | 3379524 | 45.19% | 2.274% |
| 34 | 19.442 | 19.400 | 19.514 | BB | 241891 | 3474796 | 46.46% | 2.338% |
| 35 | 20.182 | 20.140 | 20.225 | BB | 230329 | 3283820 | 43.91% | 2.209% |
| 36 | 20.947 | 20.890 | 21.017 | BB | 178388 | 3292080 | 44.02% | 2.215% |
| 37 | 21.913 | 21.840 | 22.010 | BB | 132366 | 3189359 | 42.64% | 2.146% |

Sum of corrected areas: 148637467

Aliphatic EPH 080125.M Wed Aug 13 03:49:43 2025

Quantitation Report (QT Reviewed)

Sample Results: **FC069646.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069646.D
Signal(s) : FID1A.ch
Acq On : 12 Aug 2025 21:53
Operator : YP/AJ
Sample : PB169207BSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
FID_C
**ClientSampleId :**
PB169207BSD

Integration File: autoint1.e
Quant Time: Aug 13 01:19:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

| | Compound | R.T. | Response | Conc Units |
|---|---|---|---|---|
| | System Monitoring Compounds | | | |
| 9) S | ortho-Terphenyl (SURR) | 11.665 | 4892968 | 32.798 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 65.60% |
| 12) S | 1-chlorooctadecane (S... | 13.101 | 3794482 | 34.804 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 69.61% |
| | Target Compounds | | | |
| 1) T | n-Nonane (C9) | 3.401 | 3497265 | 24.547 ug/ml |
| 2) T | n-Decane (C10) | 4.471 | 3841180 | 26.421 ug/ml |
| 3) T | A~Naphthalene (C11.7) | 6.064 | 4709872 | 30.354 ug/ml |
| 4) T | n-Dodecane (C12) | 6.494 | 4297278 | 29.396 ug/ml |
| 5) T | A~2-methylnaphthalene... | 7.123 | 4469713 | 30.350 ug/ml |
| 6) T | n-Tetradecane (C14) | 8.295 | 4403553 | 30.856 ug/ml |
| 7) T | n-Hexadecane (C16) | 9.898 | 4433327 | 30.753 ug/ml |
| 8) T | n-Octadecane (C18) | 11.343 | 4274952 | 30.230 ug/ml |
| 10) T | n-Eicosane (C20) | 12.655 | 4217416 | 32.016 ug/ml |
| 11) T | n-Heneicosane (C21) | 13.267 | 4005246 | 31.403 ug/ml |
| 13) T | n-Docosane (C22) | 13.854 | 3892476 | 31.160 ug/ml |
| 14) T | n-Tetracosane (C24) | 14.952 | 7494639 | 62.108 ug/ml |
| 15) T | n-Hexacosane (C26) | 15.983 | 3557197 | 30.785 ug/ml |
| 16) T | n-Octacosane (C28) | 16.934 | 3414614 | 30.464 ug/ml |
| 17) T | n-Tricontane (C30) | 17.823 | 3370097 | 29.434 ug/ml |
| 18) T | n-Dotriacontane (C32) | 18.656 | 3341413 | 30.081 ug/ml |
| 19) T | n-Tetratriacontane (C34) | 19.442 | 3446181 | 33.845 ug/ml |
| 20) T | n-Hexatriacontane (C36) | 20.183 | 3263635 | 36.602 ug/ml |
| 21) T | n-Octatriacontane (C38) | 20.948 | 3279744 | 40.771 ug/ml |
| 22) T | n-Tetracontane (C40) | 21.908 | 3187972 | 42.573 ug/ml |

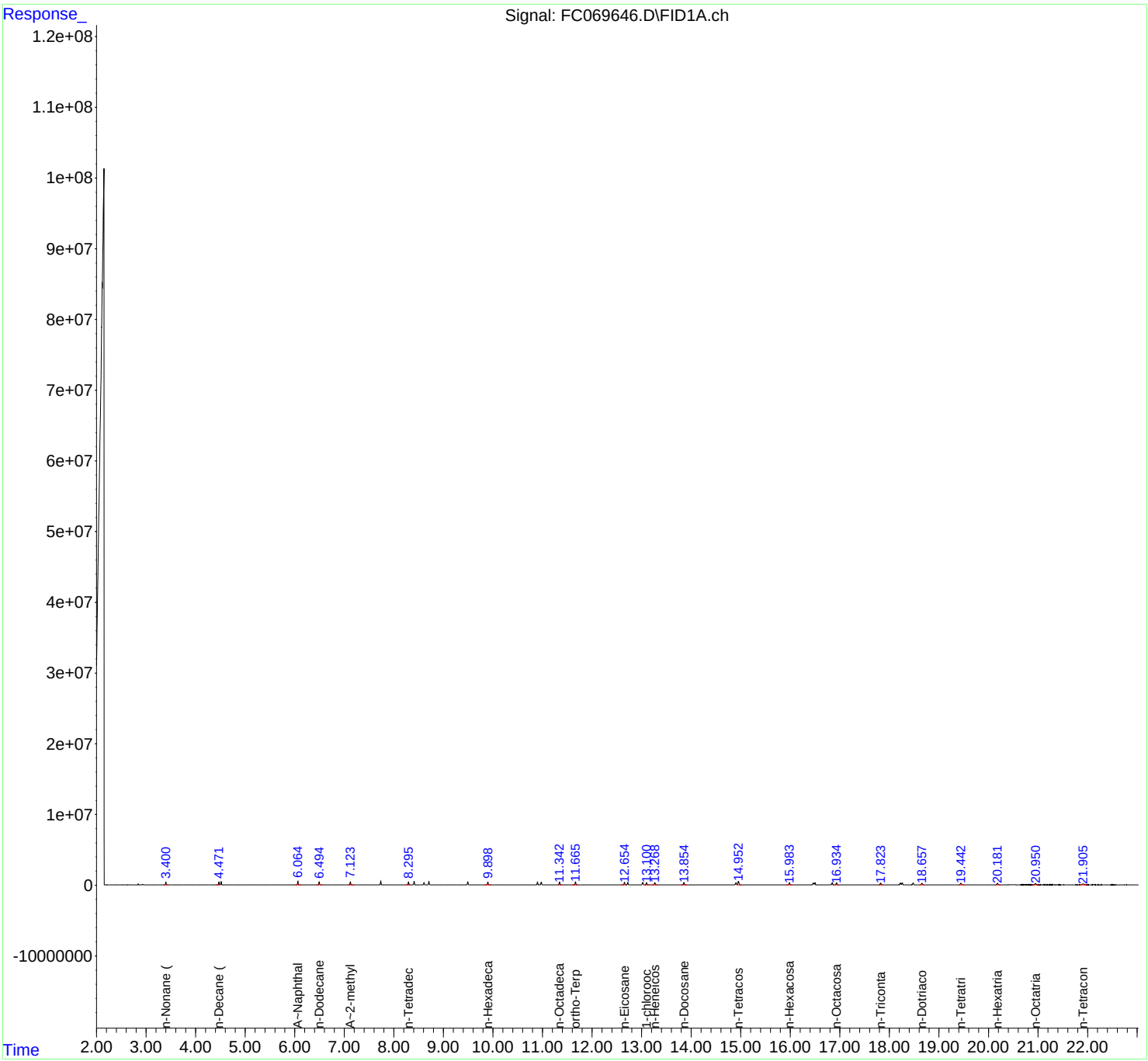
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069646.D
Signal(s) : FID1A.ch
Acq On : 12 Aug 2025 21:53
Operator : YP/AJ
Sample : PB169207BSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
FID_C
**ClientSampleId :**
PB169207BSD

Integration File: autoint1.e
Quant Time: Aug 13 01:19:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069646.D
Signal(s) : FID1A.ch
Acq On : 12 Aug 2025 21:53
Sample : PB169207BSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1A.ch

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|
| 1 | 3.401 | 3.347 | 3.449 | BB | 416560 | 3497265 | 46.66% | 2.352% |
| 2 | 4.471 | 4.410 | 4.493 | BV | 433776 | 3841180 | 51.25% | 2.583% |
| 3 | 4.515 | 4.493 | 4.559 | VV | 484824 | 4239150 | 56.56% | 2.851% |
| 4 | 6.064 | 6.004 | 6.134 | BB | 518647 | 4709872 | 62.84% | 3.168% |
| 5 | 6.494 | 6.434 | 6.560 | BB | 440585 | 4297278 | 57.34% | 2.890% |
| 6 | 7.123 | 7.074 | 7.202 | BB | 451544 | 4469713 | 59.64% | 3.006% |
| 7 | 8.295 | 8.240 | 8.332 | BB | 426345 | 4403553 | 58.76% | 2.962% |
| 8 | 8.409 | 8.345 | 8.469 | BB | 474704 | 4772765 | 63.68% | 3.210% |
| 9 | 8.708 | 8.672 | 8.770 | VB | 473941 | 4778533 | 63.76% | 3.214% |
| 10 | 9.493 | 9.435 | 9.570 | BB | 448713 | 4682899 | 62.48% | 3.149% |
| 11 | 9.898 | 9.830 | 9.967 | BB | 403726 | 4433327 | 59.15% | 2.982% |
| 12 | 10.899 | 10.822 | 10.939 | BV | 397477 | 4296494 | 57.33% | 2.890% |
| 13 | 10.975 | 10.939 | 11.034 | VB | 395835 | 4247096 | 56.67% | 2.856% |
| 14 | 11.343 | 11.310 | 11.395 | BB | 377116 | 4274952 | 57.04% | 2.875% |
| 15 | 11.665 | 11.599 | 11.717 | BB | 445943 | 4892968 | 65.29% | 3.291% |
| 16 | 12.655 | 12.584 | 12.687 | BV | 366570 | 4217416 | 56.27% | 2.836% |
| 17 | 12.722 | 12.687 | 12.787 | VB | 353431 | 3974470 | 53.03% | 2.673% |
| 18 | 13.022 | 12.955 | 13.057 | BV | 352564 | 3951808 | 52.73% | 2.658% |
| 19 | 13.101 | 13.057 | 13.154 | VB | 325245 | 3794482 | 50.63% | 2.552% |
| 20 | 13.267 | 13.199 | 13.322 | BB | 312302 | 4005246 | 53.44% | 2.694% |
| 21 | 13.854 | 13.789 | 13.910 | BB | 317394 | 3892476 | 51.94% | 2.618% |
| 22 | 14.904 | 14.839 | 14.924 | BV | 299983 | 3744183 | 49.96% | 2.518% |
| 23 | 14.952 | 14.924 | 15.017 | VB | 497443 | 7494639 | 100.00% | 5.040% |
| 24 | 15.983 | 15.919 | 16.044 | BB | 275428 | 3557197 | 47.46% | 2.392% |
| 25 | 16.466 | 16.390 | 16.482 | BV | 268393 | 3752159 | 50.06% | 2.523% |

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|---|---|---|---|---|---|---|---|---|
| 26 | 16.500 | 16.482 | 16.539 | VB | 327719 | 3732275 | 49.80% | 2.510% |
| 27 | 16.848 | 16.830 | 16.889 | BB | 257020 | 2389391 | 31.88% | 1.607% |
| 28 | 16.934 | 16.894 | 16.977 | BB | 256409 | 3414614 | 45.56% | 2.296% |
| 29 | 17.823 | 17.780 | 17.869 | BB | 242173 | 3370097 | 44.97% | 2.267% |
| 30 | 18.224 | 18.145 | 18.239 | BV | 286618 | 3885445 | 51.84% | 2.613% |
| 31 | 18.261 | 18.239 | 18.329 | VB | 285713 | 3629655 | 48.43% | 2.441% |
| 32 | 18.480 | 18.412 | 18.534 | BB | 264932 | 3527175 | 47.06% | 2.372% |
| 33 | 18.656 | 18.610 | 18.702 | BB | 234050 | 3341413 | 44.58% | 2.247% |
| 34 | 19.442 | 19.400 | 19.517 | BB | 238956 | 3446181 | 45.98% | 2.318% |
| 35 | 20.183 | 20.140 | 20.242 | BB | 218194 | 3263635 | 43.55% | 2.195% |
| 36 | 20.948 | 20.890 | 21.012 | BB | 175612 | 3279744 | 43.76% | 2.206% |
| 37 | 21.908 | 21.840 | 22.005 | BB | 126639 | 3187972 | 42.54% | 2.144% |

Sum of corrected areas: 148688718

Aliphatic EPH 080125.M Wed Aug 13 03:53:53 2025

Quantitation Report (QT Reviewed)

Sample Results: **FC069649.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069649.D
Signal(s) : FID1A.ch
Acq On : 13 Aug 2025 00:13
Operator : YP/AJ
Sample : Q2830-03MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
FID_C
**ClientSampleId :**
BIN0009-DRIVEWAY-TP-WESTMS

Integration File: autoint1.e
Quant Time: Aug 13 01:40:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

| | Compound | R.T. | Response | Conc Units |
|---|---|---|---|---|
| | System Monitoring Compounds | | | |
| 9) S | ortho-Terphenyl (SURR) | 11.666 | 5132110 | 34.401 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 68.80% |
| 12) S | 1-chlorooctadecane (S... | 13.101 | 3978577 | 36.493 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 72.99% |
| | Target Compounds | | | |
| 1) T | n-Nonane (C9) | 3.394 | 1953315 | 13.710 ug/ml |
| 2) T | n-Decane (C10) | 4.468 | 2596126 | 17.857 ug/ml |
| 3) T | A~Naphthalene (C11.7) | 6.064 | 3736413 | 24.080 ug/ml |
| 4) T | n-Dodecane (C12) | 6.494 | 3433386 | 23.487 ug/ml |
| 5) T | A~2-methylnaphthalene... | 7.123 | 3742739 | 25.413 ug/ml |
| 6) T | n-Tetradecane (C14) | 8.295 | 3803354 | 26.651 ug/ml |
| 7) T | n-Hexadecane (C16) | 9.898 | 4222368 | 29.290 ug/ml |
| 8) T | n-Octadecane (C18) | 11.342 | 4277879 | 30.251 ug/ml |
| 10) T | n-Eicosane (C20) | 12.655 | 4344090 | 32.978 ug/ml |
| 11) T | n-Heneicosane (C21) | 13.267 | 4119123 | 32.296 ug/ml |
| 13) T | n-Docosane (C22) | 13.854 | 4038498 | 32.328 ug/ml |
| 14) T | n-Tetracosane (C24) | 14.952 | 7936440 | 65.769 ug/ml |
| 15) T | n-Hexacosane (C26) | 15.984 | 3778246 | 32.698 ug/ml |
| 16) T | n-Octacosane (C28) | 16.934 | 3627091 | 32.359 ug/ml |
| 17) T | n-Tricontane (C30) | 17.823 | 3569372 | 31.175 ug/ml |
| 18) T | n-Dotriacontane (C32) | 18.656 | 3569323 | 32.132 ug/ml |
| 19) T | n-Tetratriacontane (C34) | 19.442 | 3647487 | 35.822 ug/ml |
| 20) T | n-Hexatriacontane (C36) | 20.182 | 3438119 | 38.559 ug/ml |
| 21) T | n-Octatriacontane (C38) | 20.949 | 3455440 | 42.955 ug/ml |
| 22) T | n-Tetracontane (C40) | 21.912 | 3367660 | 44.973 ug/ml |

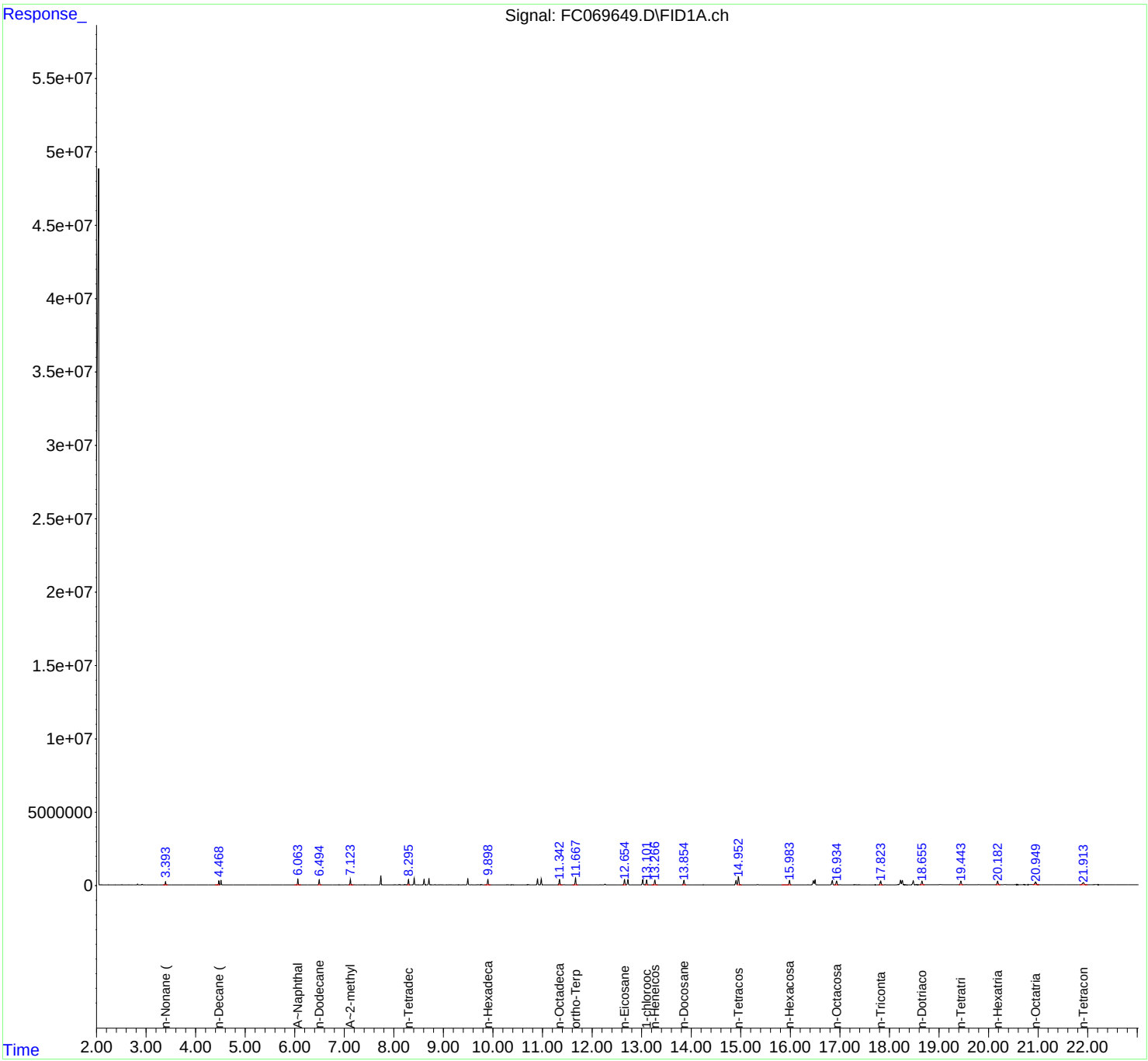
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069649.D
Signal(s) : FID1A.ch
Acq On : 13 Aug 2025 00:13
Operator : YP/AJ
Sample : Q2830-03MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
FID_C
**ClientSampleId :**
BIN0009-DRIVEWAY-TP-WESTMS

Integration File: autoint1.e
Quant Time: Aug 13 01:40:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069649.D
Signal(s) : FID1A.ch
Acq On : 13 Aug 2025 00:13
Sample : Q2830-03MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1A.ch

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|
| 1 | 3.217 | 3.204 | 3.234 | PH | 198 | 1865 | 0.02% | 0.001% |
| 2 | 3.247 | 3.234 | 3.334 | PV | 374 | 10552 | 0.13% | 0.006% |
| 3 | 3.348 | 3.334 | 3.364 | PV | 76 | 648 | 0.01% | 0.000% |
| 4 | 3.394 | 3.364 | 3.479 | VV | 233543 | 1965334 | 24.76% | 1.135% |
| 5 | 3.497 | 3.479 | 3.507 | VV | 249 | 2554 | 0.03% | 0.001% |
| 6 | 3.522 | 3.507 | 3.534 | VV | 300 | 3510 | 0.04% | 0.002% |
| 7 | 3.546 | 3.534 | 3.560 | VV | 240 | 2812 | 0.04% | 0.002% |
| 8 | 3.595 | 3.560 | 3.616 | VV | 227 | 3879 | 0.05% | 0.002% |
| 9 | 3.689 | 3.616 | 3.730 | PV | 965 | 20436 | 0.26% | 0.012% |
| 10 | 3.748 | 3.730 | 3.757 | VV | 397 | 4436 | 0.06% | 0.003% |
| 11 | 3.781 | 3.757 | 3.828 | VV | 3508 | 35390 | 0.45% | 0.020% |
| 12 | 3.843 | 3.828 | 3.858 | VV | 326 | 2847 | 0.04% | 0.002% |
| 13 | 3.879 | 3.858 | 3.924 | VV | 2742 | 25871 | 0.33% | 0.015% |
| 14 | 3.941 | 3.924 | 3.966 | VV | 413 | 4815 | 0.06% | 0.003% |
| 15 | 3.982 | 3.966 | 4.034 | VV | 401 | 7639 | 0.10% | 0.004% |
| 16 | 4.095 | 4.034 | 4.116 | VV | 333 | 10603 | 0.13% | 0.006% |
| 17 | 4.164 | 4.116 | 4.188 | VV | 356 | 9776 | 0.12% | 0.006% |
| 18 | 4.199 | 4.188 | 4.217 | VV | 292 | 3654 | 0.05% | 0.002% |
| 19 | 4.233 | 4.217 | 4.259 | VV | 445 | 8459 | 0.11% | 0.005% |
| 20 | 4.274 | 4.259 | 4.295 | VV | 512 | 7555 | 0.10% | 0.004% |
| 21 | 4.311 | 4.295 | 4.352 | VV | 236 | 5489 | 0.07% | 0.003% |
| 22 | 4.385 | 4.352 | 4.402 | PV | 346 | 5194 | 0.07% | 0.003% |
| 23 | 4.425 | 4.402 | 4.439 | VV | 449 | 6419 | 0.08% | 0.004% |
| 24 | 4.468 | 4.439 | 4.490 | VV | 293059 | 2600517 | 32.77% | 1.502% |
| 25 | 4.512 | 4.490 | 4.557 | VV | 329706 | 2890293 | 36.42% | 1.669% |

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|---|---|---|---|---|---|---|---|---|
| 26 | 4.574 | 4.557 | 4.599 | VV | 3273 | 34692 | 0.44% | 0.020% |
| 27 | 4.620 | 4.599 | 4.658 | VV | 5217 | 55171 | 0.70% | 0.032% |
| 28 | 4.670 | 4.658 | 4.684 | VV | 686 | 8148 | 0.10% | 0.005% |
| 29 | 4.694 | 4.684 | 4.709 | VV | 434 | 5200 | 0.07% | 0.003% |
| 30 | 4.723 | 4.709 | 4.737 | VV | 608 | 6636 | 0.08% | 0.004% |
| 31 | 4.754 | 4.737 | 4.791 | VV | 1072 | 15550 | 0.20% | 0.009% |
| 32 | 4.802 | 4.791 | 4.812 | VV | 675 | 6555 | 0.08% | 0.004% |
| 33 | 4.822 | 4.812 | 4.833 | VV | 698 | 6622 | 0.08% | 0.004% |
| 34 | 4.843 | 4.833 | 4.859 | VV | 643 | 6437 | 0.08% | 0.004% |
| 35 | 4.883 | 4.859 | 4.924 | VV | 1295 | 22252 | 0.28% | 0.013% |
| 36 | 4.946 | 4.924 | 4.971 | VV | 1287 | 16151 | 0.20% | 0.009% |
| 37 | 4.991 | 4.971 | 5.008 | VV | 415 | 5525 | 0.07% | 0.003% |
| 38 | 5.022 | 5.008 | 5.051 | VV | 393 | 7369 | 0.09% | 0.004% |
| 39 | 5.116 | 5.051 | 5.141 | VV | 586 | 14242 | 0.18% | 0.008% |
| 40 | 5.167 | 5.141 | 5.176 | VV | 1275 | 12450 | 0.16% | 0.007% |
| 41 | 5.190 | 5.176 | 5.231 | VV | 2412 | 33777 | 0.43% | 0.020% |
| 42 | 5.241 | 5.231 | 5.256 | VV | 574 | 5930 | 0.07% | 0.003% |
| 43 | 5.276 | 5.256 | 5.290 | VV | 337 | 5709 | 0.07% | 0.003% |
| 44 | 5.326 | 5.290 | 5.344 | VV | 1572 | 29075 | 0.37% | 0.017% |
| 45 | 5.372 | 5.344 | 5.387 | VV | 991 | 18835 | 0.24% | 0.011% |
| 46 | 5.401 | 5.387 | 5.415 | VV | 1049 | 12312 | 0.16% | 0.007% |
| 47 | 5.432 | 5.415 | 5.483 | VV | 842 | 22554 | 0.28% | 0.013% |
| 48 | 5.511 | 5.483 | 5.526 | VV | 2929 | 36126 | 0.46% | 0.021% |
| 49 | 5.537 | 5.526 | 5.563 | VV | 2081 | 25601 | 0.32% | 0.015% |
| 50 | 5.580 | 5.563 | 5.591 | VV | 929 | 11006 | 0.14% | 0.006% |
| 51 | 5.600 | 5.591 | 5.618 | VV | 707 | 8736 | 0.11% | 0.005% |
| 52 | 5.643 | 5.618 | 5.676 | VV | 666 | 18289 | 0.23% | 0.011% |
| 53 | 5.698 | 5.676 | 5.770 | VV | 3498 | 71085 | 0.90% | 0.041% |
| 54 | 5.799 | 5.770 | 5.831 | VV | 2974 | 64085 | 0.81% | 0.037% |
| 55 | 5.849 | 5.831 | 5.890 | VV | 2576 | 42220 | 0.53% | 0.024% |
| 56 | 5.921 | 5.890 | 5.944 | VV | 1466 | 30542 | 0.38% | 0.018% |
| 57 | 5.971 | 5.944 | 5.992 | VV | 1581 | 27157 | 0.34% | 0.016% |
| 58 | 6.023 | 5.992 | 6.038 | VV | 1745 | 34689 | 0.44% | 0.020% |
| 59 | 6.064 | 6.038 | 6.134 | VV | 399134 | 3754150 | 47.30% | 2.168% |
| 60 | 6.163 | 6.134 | 6.176 | VV | 1769 | 38483 | 0.48% | 0.022% |
| 61 | 6.195 | 6.176 | 6.222 | VV | 3833 | 67181 | 0.85% | 0.039% |
| 62 | 6.240 | 6.222 | 6.264 | VV | 2372 | 44394 | 0.56% | 0.026% |
| 63 | 6.280 | 6.264 | 6.294 | VV | 2883 | 37119 | 0.47% | 0.021% |
| 64 | 6.317 | 6.294 | 6.355 | VV | 2611 | 78746 | 0.99% | 0.045% |
| 65 | 6.374 | 6.355 | 6.398 | VV | 2523 | 47110 | 0.59% | 0.027% |
| 66 | 6.432 | 6.398 | 6.464 | VV | 4465 | 100145 | 1.26% | 0.058% |
| 67 | 6.494 | 6.464 | 6.542 | VV | 349438 | 3487535 | 43.94% | 2.014% |
| 68 | 6.583 | 6.542 | 6.598 | VV | 2095 | 57568 | 0.73% | 0.033% |
| 69 | 6.615 | 6.598 | 6.625 | VV | 2220 | 31466 | 0.40% | 0.018% |

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|---|---|---|---|---|---|---|---|---|
| 70 | 6.642 | 6.625 | 6.662 | VV | 3187 | 52032 | 0.66% | 0.030% |
| 71 | 6.691 | 6.662 | 6.728 | VV | 3799 | 84253 | 1.06% | 0.049% |
| 72 | 6.776 | 6.728 | 6.795 | VV | 4179 | 91811 | 1.16% | 0.053% |
| 73 | 6.817 | 6.795 | 6.843 | VV | 3818 | 72082 | 0.91% | 0.042% |
| 74 | 6.898 | 6.843 | 6.921 | VV | 8220 | 149880 | 1.89% | 0.087% |
| 75 | 6.935 | 6.921 | 6.946 | VV | 2409 | 31656 | 0.40% | 0.018% |
| 76 | 6.967 | 6.946 | 6.986 | VV | 5368 | 79319 | 1.00% | 0.046% |
| 77 | 7.028 | 6.986 | 7.045 | VV | 10675 | 171372 | 2.16% | 0.099% |
| 78 | 7.058 | 7.045 | 7.086 | VV | 4918 | 84454 | 1.06% | 0.049% |
| 79 | 7.123 | 7.086 | 7.177 | VV | 381464 | 3838836 | 48.37% | 2.217% |
| 80 | 7.197 | 7.177 | 7.240 | VV | 10026 | 183857 | 2.32% | 0.106% |
| 81 | 7.260 | 7.240 | 7.283 | VV | 4436 | 85010 | 1.07% | 0.049% |
| 82 | 7.304 | 7.283 | 7.328 | VV | 4355 | 92039 | 1.16% | 0.053% |
| 83 | 7.340 | 7.328 | 7.365 | VV | 3072 | 60504 | 0.76% | 0.035% |
| 84 | 7.405 | 7.365 | 7.449 | VV | 7253 | 208339 | 2.63% | 0.120% |
| 85 | 7.466 | 7.449 | 7.502 | VV | 4284 | 112256 | 1.41% | 0.065% |
| 86 | 7.511 | 7.502 | 7.540 | VV | 3477 | 61991 | 0.78% | 0.036% |
| 87 | 7.558 | 7.540 | 7.570 | VV | 2415 | 41185 | 0.52% | 0.024% |
| 88 | 7.598 | 7.570 | 7.633 | VV | 6079 | 150376 | 1.89% | 0.087% |
| 89 | 7.649 | 7.633 | 7.668 | VV | 3600 | 60600 | 0.76% | 0.035% |
| 90 | 7.857 | 7.803 | 7.912 | VV | 4189 | 226199 | 2.85% | 0.131% |
| 91 | 7.937 | 7.912 | 7.958 | VV | 3642 | 84910 | 1.07% | 0.049% |
| 92 | 8.007 | 7.958 | 8.020 | VV | 6871 | 173529 | 2.19% | 0.100% |
| 93 | 8.030 | 8.020 | 8.079 | VV | 6683 | 180268 | 2.27% | 0.104% |
| 94 | 8.113 | 8.079 | 8.158 | VV | 17973 | 374063 | 4.71% | 0.216% |
| 95 | 8.173 | 8.158 | 8.187 | VV | 4010 | 68161 | 0.86% | 0.039% |
| 96 | 8.223 | 8.187 | 8.240 | VV | 15263 | 257229 | 3.24% | 0.149% |
| 97 | 8.251 | 8.240 | 8.265 | VV | 7583 | 92212 | 1.16% | 0.053% |
| 98 | 8.295 | 8.265 | 8.326 | VV | 371566 | 3925691 | 49.46% | 2.267% |
| 99 | 8.336 | 8.326 | 8.355 | VV | 4764 | 71666 | 0.90% | 0.041% |
| 100 | 8.410 | 8.355 | 8.443 | VV | 439422 | 4413945 | 55.62% | 2.549% |
| 101 | 8.461 | 8.443 | 8.476 | VV | 6712 | 103562 | 1.30% | 0.060% |
| 102 | 8.497 | 8.476 | 8.509 | VV | 6157 | 106984 | 1.35% | 0.062% |
| 103 | 8.520 | 8.509 | 8.557 | VV | 5920 | 132642 | 1.67% | 0.077% |
| 104 | 8.652 | 8.636 | 8.664 | VV | 6039 | 91201 | 1.15% | 0.053% |
| 105 | 8.707 | 8.664 | 8.741 | VV | 431579 | 4418031 | 55.67% | 2.551% |
| 106 | 8.758 | 8.741 | 8.784 | VV | 7401 | 134864 | 1.70% | 0.078% |
| 107 | 8.829 | 8.784 | 8.854 | VV | 14751 | 307491 | 3.87% | 0.178% |
| 108 | 8.866 | 8.854 | 8.881 | VV | 4319 | 62887 | 0.79% | 0.036% |
| 109 | 8.910 | 8.881 | 8.924 | VV | 7200 | 134649 | 1.70% | 0.078% |
| 110 | 8.942 | 8.924 | 8.962 | VV | 9669 | 151028 | 1.90% | 0.087% |
| 111 | 8.977 | 8.962 | 8.997 | VV | 7310 | 119645 | 1.51% | 0.069% |
| 112 | 9.015 | 8.997 | 9.037 | VV | 5385 | 112532 | 1.42% | 0.065% |

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|---|---|---|---|---|---|---|---|---|
| 113 | 9.065 | 9.037 | 9.082 | VV | 6592 | 142600 | 1.80% | 0.082% |
| 114 | 9.113 | 9.082 | 9.131 | VV | 9119 | 169998 | 2.14% | 0.098% |
| 115 | 9.153 | 9.131 | 9.185 | VV | 9287 | 184102 | 2.32% | 0.106% |
| 116 | 9.203 | 9.185 | 9.230 | VV | 4238 | 102139 | 1.29% | 0.059% |
| 117 | 9.269 | 9.230 | 9.286 | VV | 7572 | 157529 | 1.98% | 0.091% |
| 118 | 9.301 | 9.286 | 9.334 | VV | 6741 | 130125 | 1.64% | 0.075% |
| 119 | 9.351 | 9.334 | 9.367 | VV | 4280 | 74162 | 0.93% | 0.043% |
| 120 | 9.407 | 9.367 | 9.431 | VV | 8345 | 201342 | 2.54% | 0.116% |
| 121 | 9.447 | 9.431 | 9.459 | VV | 4376 | 68022 | 0.86% | 0.039% |
| 122 | 9.493 | 9.459 | 9.541 | VV | 428872 | 4535021 | 57.14% | 2.619% |
| 123 | 9.570 | 9.541 | 9.598 | VV | 9452 | 194067 | 2.45% | 0.112% |
| 124 | 9.610 | 9.598 | 9.623 | VV | 4564 | 63052 | 0.79% | 0.036% |
| 125 | 9.669 | 9.623 | 9.683 | VV | 6537 | 191155 | 2.41% | 0.110% |
| 126 | 9.703 | 9.683 | 9.743 | VV | 10785 | 227916 | 2.87% | 0.132% |
| 127 | 9.766 | 9.743 | 9.794 | VV | 31515 | 397741 | 5.01% | 0.230% |
| 128 | 9.813 | 9.794 | 9.833 | VV | 5523 | 112712 | 1.42% | 0.065% |
| 129 | 9.898 | 9.833 | 9.951 | VV | 384327 | 4487109 | 56.54% | 2.591% |
| 130 | 9.978 | 9.951 | 9.991 | VV | 4102 | 95255 | 1.20% | 0.055% |
| 131 | 10.004 | 9.991 | 10.044 | VV | 4586 | 118580 | 1.49% | 0.068% |
| 132 | 10.074 | 10.044 | 10.158 | VV | 5145 | 241063 | 3.04% | 0.139% |
| 133 | 10.174 | 10.158 | 10.192 | VV | 4004 | 70647 | 0.89% | 0.041% |
| 134 | 10.236 | 10.192 | 10.259 | VV | 5547 | 150704 | 1.90% | 0.087% |
| 135 | 10.285 | 10.259 | 10.313 | VV | 12879 | 227673 | 2.87% | 0.131% |
| 136 | 10.343 | 10.313 | 10.354 | VV | 5256 | 107399 | 1.35% | 0.062% |
| 137 | 10.369 | 10.354 | 10.394 | VV | 6084 | 114049 | 1.44% | 0.066% |
| 138 | 10.413 | 10.394 | 10.461 | VV | 6584 | 172591 | 2.17% | 0.100% |
| 139 | 10.489 | 10.461 | 10.526 | VV | 4896 | 159660 | 2.01% | 0.092% |
| 140 | 10.554 | 10.526 | 10.602 | VV | 4938 | 192546 | 2.43% | 0.111% |
| 141 | 10.624 | 10.602 | 10.644 | VV | 4649 | 107240 | 1.35% | 0.062% |
| 142 | 10.659 | 10.644 | 10.675 | VV | 4472 | 75653 | 0.95% | 0.044% |
| 143 | 10.707 | 10.675 | 10.741 | VV | 20429 | 390885 | 4.93% | 0.226% |
| 144 | 10.755 | 10.741 | 10.793 | VV | 4292 | 116775 | 1.47% | 0.067% |
| 145 | 10.899 | 10.793 | 10.940 | VV | 408638 | 4604759 | 58.02% | 2.659% |
| 146 | 10.975 | 10.940 | 11.011 | VV | 406408 | 4398414 | 55.42% | 2.540% |
| 147 | 11.028 | 11.011 | 11.064 | VV | 4776 | 123778 | 1.56% | 0.071% |
| 148 | 11.074 | 11.064 | 11.091 | VV | 3219 | 49615 | 0.63% | 0.029% |
| 149 | 11.111 | 11.091 | 11.127 | VV | 3765 | 71715 | 0.90% | 0.041% |
| 150 | 11.143 | 11.127 | 11.168 | VV | 4183 | 87617 | 1.10% | 0.051% |
| 151 | 11.188 | 11.168 | 11.225 | VV | 4581 | 134190 | 1.69% | 0.077% |
| 152 | 11.251 | 11.225 | 11.273 | VV | 3907 | 101026 | 1.27% | 0.058% |
| 153 | 11.288 | 11.273 | 11.308 | VV | 3781 | 74574 | 0.94% | 0.043% |
| 154 | 11.342 | 11.308 | 11.400 | VV | 373439 | 4461753 | 56.22% | 2.576% |
| 155 | 11.431 | 11.400 | 11.471 | VV | 11729 | 252059 | 3.18% | 0.146% |

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|---|---|---|---|---|---|---|---|---|
| 156 | 11.494 | 11.471 | 11.517 | VV | 3539 | 81677 | 1.03% | 0.047% |
| 157 | 11.541 | 11.517 | 11.568 | VV | 3509 | 93893 | 1.18% | 0.054% |
| 158 | 11.584 | 11.568 | 11.615 | VV | 3341 | 85669 | 1.08% | 0.049% |
| 159 | 11.666 | 11.615 | 11.716 | VV | 479879 | 5322579 | 67.06% | 3.073% |
| 160 | 11.732 | 11.716 | 11.771 | VV | 5169 | 124104 | 1.56% | 0.072% |
| 161 | 11.796 | 11.771 | 11.809 | VV | 3618 | 73340 | 0.92% | 0.042% |
| 162 | 11.815 | 11.809 | 11.831 | VV | 3248 | 40755 | 0.51% | 0.024% |
| 163 | 11.850 | 11.831 | 11.866 | VV | 4308 | 73028 | 0.92% | 0.042% |
| 164 | 11.882 | 11.866 | 11.928 | VV | 4013 | 111512 | 1.41% | 0.064% |
| 165 | 11.948 | 11.928 | 11.964 | VV | 2672 | 54949 | 0.69% | 0.032% |
| 166 | 11.991 | 11.964 | 12.019 | VV | 4631 | 113453 | 1.43% | 0.066% |
| 167 | 12.034 | 12.019 | 12.054 | VV | 2935 | 58040 | 0.73% | 0.034% |
| 168 | 12.068 | 12.054 | 12.088 | VV | 2753 | 52565 | 0.66% | 0.030% |
| 169 | 12.103 | 12.088 | 12.134 | VV | 3195 | 81115 | 1.02% | 0.047% |
| 170 | 12.137 | 12.134 | 12.145 | VV | 2941 | 19074 | 0.24% | 0.011% |
| 171 | 12.167 | 12.145 | 12.218 | VV | 7202 | 179802 | 2.27% | 0.104% |
| 172 | 12.259 | 12.218 | 12.334 | VV | 48402 | 758174 | 9.55% | 0.438% |
| 173 | 12.345 | 12.334 | 12.361 | VV | 2822 | 43518 | 0.55% | 0.025% |
| 174 | 12.375 | 12.361 | 12.410 | VV | 2801 | 73634 | 0.93% | 0.043% |
| 175 | 12.422 | 12.410 | 12.431 | VV | 2459 | 29880 | 0.38% | 0.017% |
| 176 | 12.444 | 12.431 | 12.458 | VV | 2774 | 41359 | 0.52% | 0.024% |
| 177 | 12.484 | 12.458 | 12.530 | VV | 3462 | 118014 | 1.49% | 0.068% |
| 178 | 12.597 | 12.530 | 12.619 | VV | 4423 | 150697 | 1.90% | 0.087% |
| 179 | 12.654 | 12.619 | 12.687 | VV | 376619 | 4417876 | 55.67% | 2.551% |
| 180 | 12.723 | 12.687 | 12.821 | VV | 369391 | 4355869 | 54.88% | 2.515% |
| 181 | 12.846 | 12.821 | 12.866 | VV | 1871 | 45453 | 0.57% | 0.026% |
| 182 | 12.905 | 12.866 | 12.955 | VV | 4810 | 114396 | 1.44% | 0.066% |
| 183 | 12.975 | 12.955 | 12.983 | VV | 1555 | 23973 | 0.30% | 0.014% |
| 184 | 13.022 | 12.983 | 13.063 | VV | 364105 | 4305806 | 54.25% | 2.486% |
| 185 | 13.101 | 13.063 | 13.134 | VV | 342312 | 4044868 | 50.97% | 2.336% |
| 186 | 13.152 | 13.134 | 13.179 | VV | 2219 | 48456 | 0.61% | 0.028% |
| 187 | 13.195 | 13.179 | 13.230 | VV | 1561 | 43089 | 0.54% | 0.025% |
| 188 | 13.267 | 13.230 | 13.324 | VV | 336010 | 4198868 | 52.91% | 2.425% |
| 189 | 13.351 | 13.324 | 13.404 | VV | 2126 | 79692 | 1.00% | 0.046% |
| 190 | 13.412 | 13.404 | 13.428 | VV | 1462 | 18628 | 0.23% | 0.011% |
| 191 | 13.453 | 13.428 | 13.470 | VV | 1508 | 35915 | 0.45% | 0.021% |
| 192 | 13.495 | 13.470 | 13.584 | VV | 4786 | 134972 | 1.70% | 0.078% |
| 193 | 13.606 | 13.584 | 13.627 | VV | 1555 | 32378 | 0.41% | 0.019% |
| 194 | 13.642 | 13.627 | 13.660 | VV | 1213 | 20787 | 0.26% | 0.012% |
| 195 | 13.719 | 13.660 | 13.741 | VV | 3506 | 80757 | 1.02% | 0.047% |
| 196 | 13.757 | 13.741 | 13.781 | VV | 1132 | 23915 | 0.30% | 0.014% |
| 197 | 13.801 | 13.781 | 13.821 | VV | 1742 | 30609 | 0.39% | 0.018% |
| 198 | 13.854 | 13.821 | 13.918 | VV | 312530 | 4079506 | 51.40% | 2.356% |
| 199 | 13.928 | 13.918 | 13.962 | VV | 795 | 17586 | 0.22% | 0.010% |

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|---|---|---|---|---|---|---|---|---|
| 200 | 13.990 | 13.962 | 14.006 | VV | 608 | 14581 | 0.18% | 0.008% |
| 201 | 14.029 | 14.006 | 14.048 | VV | 1293 | 20751 | 0.26% | 0.012% |
| 202 | 14.069 | 14.048 | 14.077 | VV | 707 | 11760 | 0.15% | 0.007% |
| 203 | 14.103 | 14.077 | 14.131 | VV | 1302 | 26489 | 0.33% | 0.015% |
| 204 | 14.140 | 14.131 | 14.179 | VV | 550 | 11918 | 0.15% | 0.007% |
| 205 | 14.242 | 14.179 | 14.271 | VV | 5692 | 99659 | 1.26% | 0.058% |
| 206 | 14.289 | 14.271 | 14.334 | VV | 2228 | 48504 | 0.61% | 0.028% |
| 207 | 14.347 | 14.334 | 14.391 | VV | 749 | 20321 | 0.26% | 0.012% |
| 208 | 14.416 | 14.391 | 14.438 | VV | 1638 | 25292 | 0.32% | 0.015% |
| 209 | 14.450 | 14.438 | 14.462 | VV | 512 | 6529 | 0.08% | 0.004% |
| 210 | 14.484 | 14.462 | 14.503 | VV | 1077 | 15646 | 0.20% | 0.009% |
| 211 | 14.521 | 14.503 | 14.564 | VV | 627 | 14294 | 0.18% | 0.008% |
| 212 | 14.587 | 14.564 | 14.608 | VV | 459 | 7760 | 0.10% | 0.004% |
| 213 | 14.637 | 14.608 | 14.684 | VV | 518 | 11801 | 0.15% | 0.007% |
| 214 | 14.694 | 14.684 | 14.740 | VV | 185 | 4330 | 0.05% | 0.003% |
| 215 | 14.764 | 14.740 | 14.777 | VV | 245 | 4045 | 0.05% | 0.002% |
| 216 | 14.810 | 14.777 | 14.833 | VV | 590 | 13868 | 0.17% | 0.008% |
| 217 | 14.846 | 14.833 | 14.863 | VV | 378 | 5343 | 0.07% | 0.003% |
| 218 | 14.904 | 14.863 | 14.925 | VV | 302010 | 4027223 | 50.74% | 2.325% |
| 219 | 14.952 | 14.925 | 14.992 | VV | 545076 | 7936533 | 100.00% | 4.583% |
| 220 | 15.002 | 14.992 | 15.046 | VV | 1300 | 21440 | 0.27% | 0.012% |
| 221 | 15.059 | 15.046 | 15.094 | VV | 472 | 8031 | 0.10% | 0.005% |
| 222 | 15.148 | 15.094 | 15.180 | VV | 343 | 8633 | 0.11% | 0.005% |
| 223 | 15.207 | 15.180 | 15.275 | PV | 238 | 7844 | 0.10% | 0.005% |
| 224 | 15.337 | 15.275 | 15.417 | VV | 18932 | 348372 | 4.39% | 0.201% |
| 225 | 15.431 | 15.417 | 15.451 | VV | 663 | 10856 | 0.14% | 0.006% |
| 226 | 15.480 | 15.451 | 15.518 | VV | 3227 | 78119 | 0.98% | 0.045% |
| 227 | 15.555 | 15.518 | 15.591 | VV | 4373 | 72593 | 0.91% | 0.042% |
| 228 | 15.609 | 15.591 | 15.661 | VV | 426 | 7589 | 0.10% | 0.004% |
| 229 | 15.667 | 15.661 | 15.688 | PV | 44 | 441 | 0.01% | 0.000% |
| 230 | 15.753 | 15.688 | 15.771 | VV | 687 | 16266 | 0.20% | 0.009% |
| 231 | 15.786 | 15.771 | 15.830 | VV | 609 | 14777 | 0.19% | 0.009% |
| 232 | 15.860 | 15.830 | 15.917 | VV | 896 | 24002 | 0.30% | 0.014% |
| 233 | 15.984 | 15.917 | 16.022 | VV | 298126 | 3771162 | 47.52% | 2.178% |
| 234 | 16.045 | 16.022 | 16.096 | VV | 1373 | 23705 | 0.30% | 0.014% |
| 235 | 16.111 | 16.096 | 16.137 | VV | 229 | 3601 | 0.05% | 0.002% |
| 236 | 16.183 | 16.137 | 16.225 | PV | 882 | 14733 | 0.19% | 0.009% |
| 237 | 16.282 | 16.225 | 16.304 | VV | 327 | 9039 | 0.11% | 0.005% |
| 238 | 16.356 | 16.304 | 16.410 | VV | 5733 | 122885 | 1.55% | 0.071% |
| 239 | 16.465 | 16.410 | 16.482 | VV | 283465 | 4078817 | 51.39% | 2.355% |
| 240 | 16.500 | 16.482 | 16.526 | VV | 350636 | 3999160 | 50.39% | 2.309% |
| 241 | 16.544 | 16.526 | 16.578 | VV | 4600 | 69063 | 0.87% | 0.040% |
| 242 | 16.593 | 16.578 | 16.614 | VV | 634 | 8767 | 0.11% | 0.005% |

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|---|---|---|---|---|---|---|---|---|
| 243 | 16.629 | 16.614 | 16.648 | VV | 213 | 3170 | 0.04% | 0.002% |
| 244 | 16.664 | 16.648 | 16.688 | VV | 361 | 4220 | 0.05% | 0.002% |
| 245 | 16.712 | 16.688 | 16.741 | VV | 1965 | 27056 | 0.34% | 0.016% |
| 246 | 16.781 | 16.741 | 16.804 | VV | 893 | 19758 | 0.25% | 0.011% |
| 247 | 16.848 | 16.804 | 16.880 | VV | 303720 | 3967629 | 49.99% | 2.291% |
| 248 | 16.934 | 16.880 | 16.968 | VV | 266046 | 3659580 | 46.11% | 2.113% |
| 249 | 17.009 | 16.968 | 17.109 | VV | 9342 | 149999 | 1.89% | 0.087% |
| 250 | 17.131 | 17.109 | 17.151 | VV | 522 | 2437 | 0.03% | 0.001% |
| 251 | 17.203 | 17.151 | 17.240 | PV | 362 | 10123 | 0.13% | 0.006% |
| 252 | 17.299 | 17.240 | 17.354 | PV | 12295 | 267340 | 3.37% | 0.154% |
| 253 | 17.382 | 17.354 | 17.425 | VV | 8733 | 135617 | 1.71% | 0.078% |
| 254 | 17.465 | 17.425 | 17.530 | VV | 2163 | 38859 | 0.49% | 0.022% |
| 255 | 17.555 | 17.530 | 17.578 | VV | 450 | 7569 | 0.10% | 0.004% |
| 256 | 17.606 | 17.578 | 17.634 | PV | 329 | 6002 | 0.08% | 0.003% |
| 257 | 17.662 | 17.634 | 17.681 | PV | 412 | 5772 | 0.07% | 0.003% |
| 258 | 17.712 | 17.681 | 17.735 | VV | 2758 | 38232 | 0.48% | 0.022% |
| 259 | 17.823 | 17.735 | 17.878 | VV | 270012 | 3645650 | 45.94% | 2.105% |
| 260 | 17.910 | 17.878 | 17.968 | VV | 6797 | 107617 | 1.36% | 0.062% |
| 261 | 18.006 | 17.968 | 18.021 | VV | 691 | 11415 | 0.14% | 0.007% |
| 262 | 18.058 | 18.021 | 18.113 | VV | 1262 | 31193 | 0.39% | 0.018% |
| 263 | 18.224 | 18.113 | 18.240 | VV | 306308 | 4612139 | 58.11% | 2.663% |
| 264 | 18.260 | 18.240 | 18.292 | VV | 305495 | 4061862 | 51.18% | 2.345% |
| 265 | 18.306 | 18.292 | 18.318 | VV | 1493 | 21159 | 0.27% | 0.012% |
| 266 | 18.338 | 18.318 | 18.368 | VV | 1980 | 42093 | 0.53% | 0.024% |
| 267 | 18.377 | 18.368 | 18.421 | VV | 850 | 18165 | 0.23% | 0.010% |
| 268 | 18.480 | 18.421 | 18.515 | VV | 275401 | 3817657 | 48.10% | 2.204% |
| 269 | 18.536 | 18.515 | 18.568 | VV | 1183 | 29631 | 0.37% | 0.017% |
| 270 | 18.606 | 18.568 | 18.614 | VV | 2302 | 39687 | 0.50% | 0.023% |
| 271 | 18.656 | 18.614 | 18.713 | VV | 258612 | 3649051 | 45.98% | 2.107% |
| 272 | 18.755 | 18.713 | 18.841 | VV | 8222 | 216910 | 2.73% | 0.125% |
| 273 | 18.862 | 18.841 | 18.885 | VV | 1123 | 26520 | 0.33% | 0.015% |
| 274 | 18.894 | 18.885 | 18.904 | VV | 944 | 9710 | 0.12% | 0.006% |
| 275 | 18.957 | 18.904 | 18.977 | VV | 3644 | 81850 | 1.03% | 0.047% |
| 276 | 19.015 | 18.977 | 19.038 | VV | 14354 | 304669 | 3.84% | 0.176% |
| 277 | 19.050 | 19.038 | 19.101 | VV | 9650 | 223388 | 2.81% | 0.129% |
| 278 | 19.152 | 19.101 | 19.173 | VV | 3330 | 122013 | 1.54% | 0.070% |
| 279 | 19.192 | 19.173 | 19.213 | VV | 2724 | 52669 | 0.66% | 0.030% |
| 280 | 19.252 | 19.213 | 19.284 | VV | 2459 | 88116 | 1.11% | 0.051% |
| 281 | 19.308 | 19.284 | 19.334 | VV | 2132 | 58088 | 0.73% | 0.034% |
| 282 | 19.352 | 19.334 | 19.383 | VV | 2152 | 53248 | 0.67% | 0.031% |
| 283 | 19.442 | 19.383 | 19.483 | VV | 255256 | 3746745 | 47.21% | 2.163% |
| 284 | 19.506 | 19.483 | 19.522 | VV | 4096 | 73682 | 0.93% | 0.043% |
| 285 | 19.547 | 19.522 | 19.581 | VV | 9509 | 183409 | 2.31% | 0.106% |

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|---|---|---|---|---|---|---|---|---|
| 286 | 19.617 | 19.581 | 19.640 | VV | 2775 | 82641 | 1.04% | 0.048% |
| 287 | 19.662 | 19.640 | 19.688 | VV | 2331 | 64305 | 0.81% | 0.037% |
| 288 | 19.716 | 19.688 | 19.756 | VV | 2984 | 104773 | 1.32% | 0.060% |
| 289 | 19.799 | 19.756 | 19.829 | VV | 7006 | 218448 | 2.75% | 0.126% |
| 290 | 19.844 | 19.829 | 19.880 | VV | 5769 | 136691 | 1.72% | 0.079% |
| 291 | 19.918 | 19.880 | 19.958 | VV | 3418 | 148923 | 1.88% | 0.086% |
| 292 | 19.992 | 19.958 | 20.018 | VV | 4806 | 142220 | 1.79% | 0.082% |
| 293 | 20.065 | 20.018 | 20.099 | VV | 4514 | 197581 | 2.49% | 0.114% |
| 294 | 20.182 | 20.099 | 20.244 | VV | 242754 | 3755080 | 47.31% | 2.168% |
| 295 | 20.340 | 20.244 | 20.368 | VV | 8336 | 397714 | 5.01% | 0.230% |
| 296 | 20.405 | 20.368 | 20.444 | VV | 4771 | 210487 | 2.65% | 0.122% |
| 297 | 20.454 | 20.444 | 20.471 | VV | 4405 | 70357 | 0.89% | 0.041% |
| 298 | 20.498 | 20.471 | 20.506 | VV | 4348 | 89931 | 1.13% | 0.052% |
| 299 | 20.540 | 20.506 | 20.567 | VV | 5632 | 179915 | 2.27% | 0.104% |
| 300 | 20.586 | 20.567 | 20.634 | VV | 4933 | 180989 | 2.28% | 0.105% |
| 301 | 20.649 | 20.634 | 20.681 | VV | 4295 | 117959 | 1.49% | 0.068% |
| 302 | 20.718 | 20.681 | 20.761 | VV | 4611 | 201247 | 2.54% | 0.116% |
| 303 | 20.883 | 20.761 | 20.895 | VV | 5833 | 382601 | 4.82% | 0.221% |
| 304 | 20.949 | 20.895 | 21.081 | VV | 196622 | 3891584 | 49.03% | 2.247% |
| 305 | 21.097 | 21.081 | 21.121 | VV | 2919 | 67017 | 0.84% | 0.039% |
| 306 | 21.144 | 21.121 | 21.210 | VV | 2768 | 139502 | 1.76% | 0.081% |
| 307 | 21.265 | 21.210 | 21.308 | VV | 2728 | 148234 | 1.87% | 0.086% |
| 308 | 21.334 | 21.308 | 21.348 | VV | 2115 | 50056 | 0.63% | 0.029% |
| 309 | 21.401 | 21.348 | 21.423 | VV | 2554 | 103746 | 1.31% | 0.060% |
| 310 | 21.460 | 21.423 | 21.564 | VV | 2640 | 175001 | 2.21% | 0.101% |
| 311 | 21.574 | 21.564 | 21.614 | VV | 1400 | 39537 | 0.50% | 0.023% |
| 312 | 21.631 | 21.614 | 21.710 | VV | 1296 | 63449 | 0.80% | 0.037% |
| 313 | 21.767 | 21.710 | 21.823 | VV | 1218 | 61986 | 0.78% | 0.036% |
| 314 | 21.912 | 21.823 | 22.034 | VV | 137180 | 3407319 | 42.93% | 1.967% |

Sum of corrected areas: 173181186

Aliphatic EPH 080125.M Wed Aug 13 05:19:54 2025

Quantitation Report (QT Reviewed)

Sample Results: **FC069650.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069650.D
Signal(s) : FID1A.ch
Acq On : 13 Aug 2025 01:50
Operator : YP/AJ
Sample : Q2830-03MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
FID_C
**ClientSampleId :**
BIN0009-DRIVEWAY-TP-WESTMSD

Integration File: autoint1.e
Quant Time: Aug 13 03:18:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

| | Compound | R.T. | Response | Conc Units |
|---|---|---|---|---|
| | System Monitoring Compounds | | | |
| 9) S | ortho-Terphenyl (SURR) | 11.666 | 5388201 | 36.117 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 72.23% |
| 12) S | 1-chlorooctadecane (S... | 13.101 | 4191300 | 38.444 ug/ml |
| Spiked Amount | 50.000 | | Recovery = | 76.89% |
| | Target Compounds | | | |
| 1) T | n-Nonane (C9) | 3.389 | 2057297 | 14.440 ug/ml |
| 2) T | n-Decane (C10) | 4.465 | 2735805 | 18.818 ug/ml |
| 3) T | A~Naphthalene (C11.7) | 6.062 | 3875121 | 24.974 ug/ml |
| 4) T | n-Dodecane (C12) | 6.493 | 3590167 | 24.559 ug/ml |
| 5) T | A~2-methylnaphthalene... | 7.123 | 3888412 | 26.403 ug/ml |
| 6) T | n-Tetradecane (C14) | 8.294 | 3987267 | 27.939 ug/ml |
| 7) T | n-Hexadecane (C16) | 9.898 | 4398093 | 30.509 ug/ml |
| 8) T | n-Octadecane (C18) | 11.343 | 4509220 | 31.887 ug/ml |
| 10) T | n-Eicosane (C20) | 12.655 | 4571242 | 34.702 ug/ml |
| 11) T | n-Heneicosane (C21) | 13.268 | 4355480 | 34.149 ug/ml |
| 13) T | n-Docosane (C22) | 13.856 | 4258313 | 34.088 ug/ml |
| 14) T | n-Tetracosane (C24) | 14.953 | 8295221 | 68.742 ug/ml |
| 15) T | n-Hexacosane (C26) | 15.984 | 3942314 | 34.118 ug/ml |
| 16) T | n-Octacosane (C28) | 16.934 | 3798392 | 33.887 ug/ml |
| 17) T | n-Tricontane (C30) | 17.824 | 3739925 | 32.664 ug/ml |
| 18) T | n-Dotriacontane (C32) | 18.657 | 3748872 | 33.749 ug/ml |
| 19) T | n-Tetratriacontane (C34) | 19.443 | 3830871 | 37.623 ug/ml |
| 20) T | n-Hexatriacontane (C36) | 20.184 | 3611542 | 40.504 ug/ml |
| 21) T | n-Octatriacontane (C38) | 20.949 | 3607829 | 44.850 ug/ml |
| 22) T | n-Tetracontane (C40) | 21.911 | 3532076 | 47.169 ug/ml |

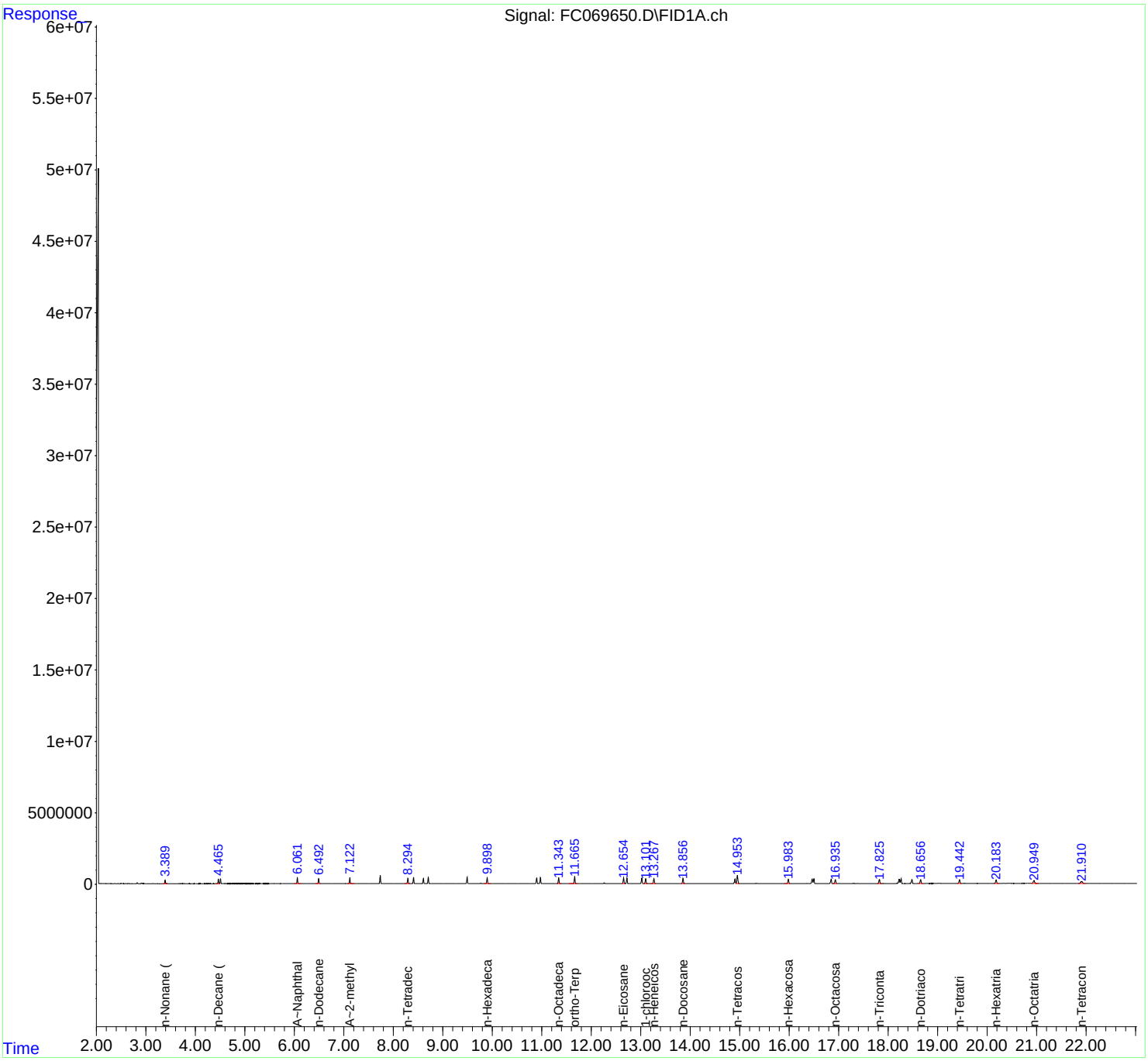
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069650.D
Signal(s) : FID1A.ch
Acq On : 13 Aug 2025 01:50
Operator : YP/AJ
Sample : Q2830-03MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
FID_C
**ClientSampleId :**
BIN0009-DRIVEWAY-TP-WESTMSD

Integration File: autoint1.e
Quant Time: Aug 13 03:18:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 14:14:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC081225AL\
Data File : FC069650.D
Signal(s) : FID1A.ch
Acq On : 13 Aug 2025 01:50
Sample : Q2830-03MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1A.ch

| peak # | R.T. min | Start min | End min | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|
| 1 | 3.242 | 3.204 | 3.261 | BV | 334 | 4230 | 0.05% | 0.003% |
| 2 | 3.271 | 3.261 | 3.309 | VV | 387 | 6190 | 0.07% | 0.004% |
| 3 | 3.323 | 3.309 | 3.335 | PV | 94 | 917 | 0.01% | 0.001% |
| 4 | 3.344 | 3.335 | 3.354 | VV | 78 | 627 | 0.01% | 0.000% |
| 5 | 3.389 | 3.354 | 3.481 | PV | 244008 | 2068740 | 24.84% | 1.235% |
| 6 | 3.515 | 3.481 | 3.528 | VV | 224 | 4346 | 0.05% | 0.003% |
| 7 | 3.539 | 3.528 | 3.575 | VV | 241 | 4364 | 0.05% | 0.003% |
| 8 | 3.592 | 3.575 | 3.621 | VV | 222 | 3690 | 0.04% | 0.002% |
| 9 | 3.635 | 3.621 | 3.644 | VV | 157 | 1520 | 0.02% | 0.001% |
| 10 | 3.684 | 3.644 | 3.728 | VV | 1039 | 18764 | 0.23% | 0.011% |
| 11 | 3.742 | 3.728 | 3.761 | VV | 479 | 5508 | 0.07% | 0.003% |
| 12 | 3.778 | 3.761 | 3.848 | VV | 3799 | 36425 | 0.44% | 0.022% |
| 13 | 3.875 | 3.848 | 3.919 | VV | 3089 | 30396 | 0.36% | 0.018% |
| 14 | 3.934 | 3.919 | 3.944 | VV | 197 | 2245 | 0.03% | 0.001% |
| 15 | 3.975 | 3.944 | 4.004 | VV | 293 | 7172 | 0.09% | 0.004% |
| 16 | 4.010 | 4.004 | 4.021 | VV | 118 | 1028 | 0.01% | 0.001% |
| 17 | 4.043 | 4.021 | 4.053 | VV | 265 | 3667 | 0.04% | 0.002% |
| 18 | 4.090 | 4.053 | 4.148 | VV | 451 | 15369 | 0.18% | 0.009% |
| 19 | 4.197 | 4.148 | 4.215 | VV | 404 | 9958 | 0.12% | 0.006% |
| 20 | 4.229 | 4.215 | 4.249 | VV | 379 | 5335 | 0.06% | 0.003% |
| 21 | 4.259 | 4.249 | 4.341 | VV | 256 | 11354 | 0.14% | 0.007% |
| 22 | 4.354 | 4.341 | 4.403 | VV | 225 | 6790 | 0.08% | 0.004% |
| 23 | 4.465 | 4.403 | 4.487 | VV | 307298 | 2745332 | 32.96% | 1.639% |
| 24 | 4.509 | 4.487 | 4.553 | VV | 349261 | 3041784 | 36.52% | 1.816% |
| 25 | 4.571 | 4.553 | 4.598 | VV | 3556 | 38975 | 0.47% | 0.023% |

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|---|---|---|---|---|---|---|---|---|
| 26 | 4.617 | 4.598 | 4.654 | VV | 5405 | 55309 | 0.66% | 0.033% |
| 27 | 4.672 | 4.654 | 4.704 | VV | 420 | 9247 | 0.11% | 0.006% |
| 28 | 4.720 | 4.704 | 4.737 | VV | 281 | 5143 | 0.06% | 0.003% |
| 29 | 4.749 | 4.737 | 4.779 | VV | 346 | 5805 | 0.07% | 0.003% |
| 30 | 4.798 | 4.779 | 4.832 | VV | 272 | 6763 | 0.08% | 0.004% |
| 31 | 4.846 | 4.832 | 4.892 | VV | 269 | 7546 | 0.09% | 0.005% |
| 32 | 4.915 | 4.892 | 4.941 | VV | 253 | 5739 | 0.07% | 0.003% |
| 33 | 4.948 | 4.941 | 4.991 | VV | 259 | 5647 | 0.07% | 0.003% |
| 34 | 5.008 | 4.991 | 5.028 | VV | 284 | 4305 | 0.05% | 0.003% |
| 35 | 5.042 | 5.028 | 5.064 | VV | 236 | 4560 | 0.05% | 0.003% |
| 36 | 5.068 | 5.064 | 5.084 | VV | 255 | 2366 | 0.03% | 0.001% |
| 37 | 5.106 | 5.084 | 5.133 | VV | 265 | 6073 | 0.07% | 0.004% |
| 38 | 5.158 | 5.133 | 5.174 | VV | 278 | 5486 | 0.07% | 0.003% |
| 39 | 5.188 | 5.174 | 5.197 | VV | 311 | 3753 | 0.05% | 0.002% |
| 40 | 5.206 | 5.197 | 5.258 | VV | 365 | 8376 | 0.10% | 0.005% |
| 41 | 5.288 | 5.258 | 5.301 | VV | 256 | 5681 | 0.07% | 0.003% |
| 42 | 5.322 | 5.301 | 5.375 | VV | 1268 | 20440 | 0.25% | 0.012% |
| 43 | 5.385 | 5.375 | 5.418 | VV | 222 | 4631 | 0.06% | 0.003% |
| 44 | 5.437 | 5.418 | 5.448 | VV | 184 | 2806 | 0.03% | 0.002% |
| 45 | 5.505 | 5.448 | 5.524 | VV | 1344 | 19902 | 0.24% | 0.012% |
| 46 | 5.556 | 5.524 | 5.595 | VV | 404 | 12682 | 0.15% | 0.008% |
| 47 | 5.678 | 5.595 | 5.688 | VV | 394 | 14578 | 0.18% | 0.009% |
| 48 | 5.698 | 5.688 | 5.721 | VV | 316 | 4902 | 0.06% | 0.003% |
| 49 | 5.741 | 5.721 | 5.773 | VV | 419 | 8377 | 0.10% | 0.005% |
| 50 | 5.799 | 5.773 | 5.826 | VV | 290 | 7999 | 0.10% | 0.005% |
| 51 | 5.847 | 5.826 | 5.883 | VV | 354 | 9208 | 0.11% | 0.005% |
| 52 | 5.975 | 5.883 | 5.991 | VV | 474 | 17639 | 0.21% | 0.011% |
| 53 | 6.014 | 5.991 | 6.025 | VV | 296 | 5081 | 0.06% | 0.003% |
| 54 | 6.062 | 6.025 | 6.188 | VV | 415961 | 3916648 | 47.02% | 2.338% |
| 55 | 6.207 | 6.188 | 6.234 | VV | 541 | 11341 | 0.14% | 0.007% |
| 56 | 6.241 | 6.234 | 6.252 | VV | 359 | 3561 | 0.04% | 0.002% |
| 57 | 6.269 | 6.252 | 6.287 | VV | 370 | 6589 | 0.08% | 0.004% |
| 58 | 6.301 | 6.287 | 6.314 | VV | 342 | 4988 | 0.06% | 0.003% |
| 59 | 6.336 | 6.314 | 6.368 | VV | 707 | 14498 | 0.17% | 0.009% |
| 60 | 6.382 | 6.368 | 6.408 | VV | 402 | 7758 | 0.09% | 0.005% |
| 61 | 6.428 | 6.408 | 6.457 | VV | 372 | 8854 | 0.11% | 0.005% |
| 62 | 6.493 | 6.457 | 6.543 | VV | 362735 | 3607864 | 43.31% | 2.154% |
| 63 | 6.561 | 6.543 | 6.600 | VV | 622 | 12036 | 0.14% | 0.007% |
| 64 | 6.612 | 6.600 | 6.624 | VV | 250 | 2718 | 0.03% | 0.002% |
| 65 | 6.639 | 6.624 | 6.724 | VV | 375 | 10294 | 0.12% | 0.006% |
| 66 | 6.738 | 6.724 | 6.747 | VV | 137 | 1795 | 0.02% | 0.001% |
| 67 | 6.766 | 6.747 | 6.803 | VV | 281 | 5847 | 0.07% | 0.003% |
| 68 | 6.822 | 6.803 | 6.841 | VV | 241 | 3882 | 0.05% | 0.002% |
| 69 | 6.879 | 6.841 | 6.896 | VV | 496 | 7569 | 0.09% | 0.005% |

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|---|---|---|---|---|---|---|---|---|
| 70 | 6.966 | 6.896 | 7.004 | VV | 4125 | 56950 | 0.68% | 0.034% |
| 71 | 7.028 | 7.004 | 7.080 | VV | 8683 | 89160 | 1.07% | 0.053% |
| 72 | 7.123 | 7.080 | 7.233 | VV | 396406 | 3904487 | 46.87% | 2.331% |
| 73 | 7.258 | 7.233 | 7.293 | VV | 1537 | 25352 | 0.30% | 0.015% |
| 74 | 7.313 | 7.293 | 7.329 | VV | 1635 | 21604 | 0.26% | 0.013% |
| 75 | 7.338 | 7.329 | 7.365 | VV | 882 | 11177 | 0.13% | 0.007% |
| 76 | 7.389 | 7.365 | 7.401 | VV | 776 | 9686 | 0.12% | 0.006% |
| 77 | 7.417 | 7.401 | 7.441 | VV | 1332 | 15924 | 0.19% | 0.010% |
| 78 | 7.474 | 7.441 | 7.498 | VV | 379 | 9871 | 0.12% | 0.006% |
| 79 | 7.510 | 7.498 | 7.540 | VV | 338 | 6140 | 0.07% | 0.004% |
| 80 | 7.553 | 7.540 | 7.580 | VV | 191 | 4279 | 0.05% | 0.003% |
| 81 | 7.596 | 7.580 | 7.619 | VV | 551 | 7483 | 0.09% | 0.004% |
| 82 | 7.641 | 7.619 | 7.686 | VV | 335 | 9548 | 0.11% | 0.006% |
| 83 | 7.786 | 7.777 | 7.810 | VV | 1039 | 15700 | 0.19% | 0.009% |
| 84 | 7.837 | 7.810 | 7.858 | VV | 940 | 21830 | 0.26% | 0.013% |
| 85 | 7.873 | 7.858 | 7.951 | VV | 1043 | 35588 | 0.43% | 0.021% |
| 86 | 7.986 | 7.951 | 8.023 | VV | 1519 | 31811 | 0.38% | 0.019% |
| 87 | 8.042 | 8.023 | 8.089 | VV | 1027 | 24670 | 0.30% | 0.015% |
| 88 | 8.105 | 8.089 | 8.121 | VV | 643 | 10742 | 0.13% | 0.006% |
| 89 | 8.220 | 8.121 | 8.234 | VV | 851 | 50155 | 0.60% | 0.030% |
| 90 | 8.252 | 8.234 | 8.260 | VV | 836 | 11626 | 0.14% | 0.007% |
| 91 | 8.294 | 8.260 | 8.335 | VV | 376265 | 4009198 | 48.13% | 2.394% |
| 92 | 8.354 | 8.335 | 8.378 | VV | 602 | 13502 | 0.16% | 0.008% |
| 93 | 8.409 | 8.378 | 8.467 | VV | 431446 | 4402865 | 52.86% | 2.629% |
| 94 | 8.478 | 8.467 | 8.507 | VV | 569 | 10797 | 0.13% | 0.006% |
| 95 | 8.520 | 8.507 | 8.543 | VV | 528 | 7902 | 0.09% | 0.005% |
| 96 | 8.556 | 8.543 | 8.572 | VV | 275 | 4102 | 0.05% | 0.002% |
| 97 | 8.707 | 8.659 | 8.748 | VV | 447086 | 4475474 | 53.73% | 2.672% |
| 98 | 8.761 | 8.748 | 8.807 | VV | 997 | 21894 | 0.26% | 0.013% |
| 99 | 8.825 | 8.807 | 8.844 | VV | 392 | 6672 | 0.08% | 0.004% |
| 100 | 8.856 | 8.844 | 8.870 | VV | 371 | 5036 | 0.06% | 0.003% |
| 101 | 8.910 | 8.870 | 8.960 | VV | 3762 | 76919 | 0.92% | 0.046% |
| 102 | 8.977 | 8.960 | 8.996 | VV | 1206 | 20018 | 0.24% | 0.012% |
| 103 | 9.026 | 8.996 | 9.047 | VV | 1304 | 26645 | 0.32% | 0.016% |
| 104 | 9.061 | 9.047 | 9.085 | VV | 657 | 10066 | 0.12% | 0.006% |
| 105 | 9.114 | 9.085 | 9.171 | VV | 1103 | 19597 | 0.24% | 0.012% |
| 106 | 9.177 | 9.171 | 9.204 | VV | 202 | 2396 | 0.03% | 0.001% |
| 107 | 9.210 | 9.204 | 9.221 | PV | 79 | 784 | 0.01% | 0.000% |
| 108 | 9.252 | 9.221 | 9.261 | VV | 216 | 2939 | 0.04% | 0.002% |
| 109 | 9.279 | 9.261 | 9.344 | VV | 274 | 8147 | 0.10% | 0.005% |
| 110 | 9.370 | 9.344 | 9.408 | VV | 227 | 5418 | 0.07% | 0.003% |
| 111 | 9.418 | 9.408 | 9.427 | VV | 213 | 2253 | 0.03% | 0.001% |
| 112 | 9.493 | 9.427 | 9.597 | VV | 460025 | 4585657 | 55.05% | 2.738% |

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|---|---|---|---|---|---|---|---|---|
| 113 | 9.615 | 9.597 | 9.654 | VV | 657 | 15538 | 0.19% | 0.009% |
| 114 | 9.673 | 9.654 | 9.685 | VV | 1433 | 16554 | 0.20% | 0.010% |
| 115 | 9.704 | 9.685 | 9.740 | VV | 6713 | 79338 | 0.95% | 0.047% |
| 116 | 9.766 | 9.740 | 9.848 | VV | 28961 | 338896 | 4.07% | 0.202% |
| 117 | 9.898 | 9.848 | 9.965 | VV | 405024 | 4415513 | 53.01% | 2.636% |
| 118 | 9.994 | 9.965 | 10.049 | VV | 369 | 9845 | 0.12% | 0.006% |
| 119 | 10.074 | 10.049 | 10.093 | VV | 480 | 6257 | 0.08% | 0.004% |
| 120 | 10.119 | 10.093 | 10.144 | PV | 384 | 5894 | 0.07% | 0.004% |
| 121 | 10.148 | 10.144 | 10.158 | VV | 96 | 611 | 0.01% | 0.000% |
| 122 | 10.176 | 10.158 | 10.198 | VV | 372 | 4363 | 0.05% | 0.003% |
| 123 | 10.240 | 10.198 | 10.271 | VV | 1412 | 18125 | 0.22% | 0.011% |
| 124 | 10.324 | 10.271 | 10.354 | VV | 507 | 16329 | 0.20% | 0.010% |
| 125 | 10.372 | 10.354 | 10.430 | VV | 394 | 10260 | 0.12% | 0.006% |
| 126 | 10.451 | 10.430 | 10.471 | VV | 330 | 5155 | 0.06% | 0.003% |
| 127 | 10.538 | 10.471 | 10.574 | VV | 572 | 21618 | 0.26% | 0.013% |
| 128 | 10.592 | 10.574 | 10.616 | VV | 603 | 10481 | 0.13% | 0.006% |
| 129 | 10.630 | 10.616 | 10.669 | VV | 516 | 8183 | 0.10% | 0.005% |
| 130 | 10.700 | 10.669 | 10.774 | VV | 4297 | 71431 | 0.86% | 0.043% |
| 131 | 10.781 | 10.774 | 10.794 | VV | 175 | 1908 | 0.02% | 0.001% |
| 132 | 10.814 | 10.794 | 10.835 | VV | 383 | 6785 | 0.08% | 0.004% |
| 133 | 10.898 | 10.835 | 10.939 | VV | 400167 | 4508008 | 54.12% | 2.691% |
| 134 | 10.974 | 10.939 | 11.034 | VV | 414537 | 4489581 | 53.90% | 2.680% |
| 135 | 11.050 | 11.034 | 11.114 | VV | 703 | 16626 | 0.20% | 0.010% |
| 136 | 11.143 | 11.114 | 11.165 | VV | 1399 | 19258 | 0.23% | 0.011% |
| 137 | 11.185 | 11.165 | 11.226 | VV | 1691 | 24329 | 0.29% | 0.015% |
| 138 | 11.267 | 11.226 | 11.289 | VV | 629 | 12074 | 0.14% | 0.007% |
| 139 | 11.343 | 11.289 | 11.398 | VV | 409388 | 4543157 | 54.54% | 2.712% |
| 140 | 11.419 | 11.398 | 11.481 | VV | 827 | 23160 | 0.28% | 0.014% |
| 141 | 11.500 | 11.481 | 11.520 | VV | 385 | 6956 | 0.08% | 0.004% |
| 142 | 11.532 | 11.520 | 11.564 | VV | 425 | 5570 | 0.07% | 0.003% |
| 143 | 11.585 | 11.564 | 11.608 | VV | 446 | 7257 | 0.09% | 0.004% |
| 144 | 11.666 | 11.608 | 11.719 | VV | 492728 | 5405840 | 64.90% | 3.228% |
| 145 | 11.759 | 11.719 | 11.781 | VV | 1357 | 26980 | 0.32% | 0.016% |
| 146 | 11.797 | 11.781 | 11.811 | VV | 1062 | 14634 | 0.18% | 0.009% |
| 147 | 11.822 | 11.811 | 11.841 | VV | 754 | 10065 | 0.12% | 0.006% |
| 148 | 11.853 | 11.841 | 11.867 | VV | 444 | 5887 | 0.07% | 0.004% |
| 149 | 11.877 | 11.867 | 11.915 | VV | 433 | 7185 | 0.09% | 0.004% |
| 150 | 11.945 | 11.915 | 11.978 | PV | 558 | 9148 | 0.11% | 0.005% |
| 151 | 12.006 | 11.978 | 12.033 | VV | 606 | 10986 | 0.13% | 0.007% |
| 152 | 12.066 | 12.033 | 12.086 | VV | 944 | 16463 | 0.20% | 0.010% |
| 153 | 12.104 | 12.086 | 12.116 | VV | 864 | 11597 | 0.14% | 0.007% |
| 154 | 12.122 | 12.116 | 12.141 | VV | 748 | 10112 | 0.12% | 0.006% |
| 155 | 12.166 | 12.141 | 12.224 | VV | 5654 | 103569 | 1.24% | 0.062% |

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|---|---|---|---|---|---|---|---|---|
| 156 | 12.259 | 12.224 | 12.329 | VV | 50787 | 651312 | 7.82% | 0.389% |
| 157 | 12.344 | 12.329 | 12.361 | VV | 1177 | 19495 | 0.23% | 0.012% |
| 158 | 12.373 | 12.361 | 12.431 | VV | 852 | 29027 | 0.35% | 0.017% |
| 159 | 12.439 | 12.431 | 12.445 | VV | 628 | 4759 | 0.06% | 0.003% |
| 160 | 12.475 | 12.445 | 12.524 | VV | 1460 | 33452 | 0.40% | 0.020% |
| 161 | 12.591 | 12.524 | 12.618 | VV | 914 | 27835 | 0.33% | 0.017% |
| 162 | 12.655 | 12.618 | 12.686 | VV | 395923 | 4583254 | 55.02% | 2.736% |
| 163 | 12.722 | 12.686 | 12.810 | VV | 386251 | 4409551 | 52.94% | 2.633% |
| 164 | 12.822 | 12.810 | 12.828 | VV | 253 | 2386 | 0.03% | 0.001% |
| 165 | 12.848 | 12.828 | 12.870 | VV | 438 | 7883 | 0.09% | 0.005% |
| 166 | 12.904 | 12.870 | 12.951 | VV | 3714 | 51401 | 0.62% | 0.031% |
| 167 | 13.022 | 12.951 | 13.053 | VV | 384754 | 4390825 | 52.71% | 2.622% |
| 168 | 13.101 | 13.053 | 13.143 | VV | 351631 | 4206791 | 50.50% | 2.512% |
| 169 | 13.157 | 13.143 | 13.181 | VV | 452 | 8381 | 0.10% | 0.005% |
| 170 | 13.205 | 13.181 | 13.227 | VV | 638 | 11558 | 0.14% | 0.007% |
| 171 | 13.268 | 13.227 | 13.306 | VV | 360937 | 4373968 | 52.51% | 2.611% |
| 172 | 13.356 | 13.306 | 13.428 | VV | 913 | 47285 | 0.57% | 0.028% |
| 173 | 13.458 | 13.428 | 13.476 | VV | 728 | 15997 | 0.19% | 0.010% |
| 174 | 13.497 | 13.476 | 13.594 | VV | 3384 | 79698 | 0.96% | 0.048% |
| 175 | 13.609 | 13.594 | 13.626 | VV | 584 | 9372 | 0.11% | 0.006% |
| 176 | 13.642 | 13.626 | 13.661 | VV | 741 | 10901 | 0.13% | 0.007% |
| 177 | 13.695 | 13.661 | 13.736 | VV | 884 | 25631 | 0.31% | 0.015% |
| 178 | 13.758 | 13.736 | 13.773 | VV | 353 | 5943 | 0.07% | 0.004% |
| 179 | 13.799 | 13.773 | 13.818 | VV | 1337 | 21080 | 0.25% | 0.013% |
| 180 | 13.856 | 13.818 | 13.908 | VV | 345343 | 4271567 | 51.28% | 2.550% |
| 181 | 13.913 | 13.908 | 13.931 | VV | 288 | 3546 | 0.04% | 0.002% |
| 182 | 13.943 | 13.931 | 13.968 | VV | 381 | 5442 | 0.07% | 0.003% |
| 183 | 13.983 | 13.968 | 13.994 | VV | 291 | 3769 | 0.05% | 0.002% |
| 184 | 14.029 | 13.994 | 14.054 | VV | 1069 | 18297 | 0.22% | 0.011% |
| 185 | 14.062 | 14.054 | 14.081 | VV | 426 | 5690 | 0.07% | 0.003% |
| 186 | 14.105 | 14.081 | 14.134 | VV | 992 | 17709 | 0.21% | 0.011% |
| 187 | 14.142 | 14.134 | 14.165 | VV | 271 | 3922 | 0.05% | 0.002% |
| 188 | 14.243 | 14.165 | 14.272 | VV | 5715 | 97684 | 1.17% | 0.058% |
| 189 | 14.290 | 14.272 | 14.344 | VV | 2211 | 49256 | 0.59% | 0.029% |
| 190 | 14.361 | 14.344 | 14.391 | VV | 721 | 14760 | 0.18% | 0.009% |
| 191 | 14.415 | 14.391 | 14.437 | VV | 1719 | 24570 | 0.29% | 0.015% |
| 192 | 14.451 | 14.437 | 14.463 | VV | 558 | 7147 | 0.09% | 0.004% |
| 193 | 14.484 | 14.463 | 14.504 | VV | 1207 | 17379 | 0.21% | 0.010% |
| 194 | 14.521 | 14.504 | 14.556 | VV | 492 | 9911 | 0.12% | 0.006% |
| 195 | 14.585 | 14.556 | 14.608 | VV | 359 | 7185 | 0.09% | 0.004% |
| 196 | 14.637 | 14.608 | 14.674 | VV | 516 | 11023 | 0.13% | 0.007% |
| 197 | 14.702 | 14.674 | 14.731 | PV | 198 | 4535 | 0.05% | 0.003% |
| 198 | 14.761 | 14.731 | 14.777 | VV | 262 | 4830 | 0.06% | 0.003% |
| 199 | 14.809 | 14.777 | 14.834 | VV | 641 | 14699 | 0.18% | 0.009% |

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|---|---|---|---|---|---|---|---|---|
| 200 | 14.848 | 14.834 | 14.863 | VV | 421 | 5268 | 0.06% | 0.003% |
| 201 | 14.906 | 14.863 | 14.926 | VV | 319829 | 4222418 | 50.69% | 2.521% |
| 202 | 14.953 | 14.926 | 14.993 | VV | 574861 | 8329806 | 100.00% | 4.973% |
| 203 | 15.003 | 14.993 | 15.038 | VV | 1460 | 21185 | 0.25% | 0.013% |
| 204 | 15.057 | 15.038 | 15.103 | VV | 473 | 10982 | 0.13% | 0.007% |
| 205 | 15.150 | 15.103 | 15.184 | VV | 460 | 11889 | 0.14% | 0.007% |
| 206 | 15.207 | 15.184 | 15.219 | VV | 211 | 3466 | 0.04% | 0.002% |
| 207 | 15.258 | 15.219 | 15.278 | VV | 240 | 6649 | 0.08% | 0.004% |
| 208 | 15.337 | 15.278 | 15.411 | VV | 20244 | 369773 | 4.44% | 0.221% |
| 209 | 15.432 | 15.411 | 15.452 | VV | 934 | 16221 | 0.19% | 0.010% |
| 210 | 15.477 | 15.452 | 15.512 | VV | 3175 | 50114 | 0.60% | 0.030% |
| 211 | 15.554 | 15.512 | 15.591 | VV | 5449 | 86357 | 1.04% | 0.052% |
| 212 | 15.606 | 15.591 | 15.691 | VV | 333 | 8719 | 0.10% | 0.005% |
| 213 | 15.754 | 15.691 | 15.769 | VV | 681 | 14586 | 0.18% | 0.009% |
| 214 | 15.794 | 15.769 | 15.832 | VV | 622 | 16626 | 0.20% | 0.010% |
| 215 | 15.864 | 15.832 | 15.914 | VV | 999 | 26106 | 0.31% | 0.016% |
| 216 | 15.984 | 15.914 | 16.024 | VV | 300034 | 3960940 | 47.55% | 2.365% |
| 217 | 16.046 | 16.024 | 16.135 | VV | 1479 | 31666 | 0.38% | 0.019% |
| 218 | 16.184 | 16.135 | 16.217 | PV | 768 | 13666 | 0.16% | 0.008% |
| 219 | 16.234 | 16.217 | 16.243 | VV | 140 | 1436 | 0.02% | 0.001% |
| 220 | 16.284 | 16.243 | 16.308 | VV | 410 | 9974 | 0.12% | 0.006% |
| 221 | 16.357 | 16.308 | 16.408 | VV | 6325 | 131154 | 1.57% | 0.078% |
| 222 | 16.466 | 16.408 | 16.482 | VV | 293270 | 4282181 | 51.41% | 2.557% |
| 223 | 16.501 | 16.482 | 16.528 | VV | 340957 | 4186351 | 50.26% | 2.499% |
| 224 | 16.545 | 16.528 | 16.575 | VV | 5428 | 78634 | 0.94% | 0.047% |
| 225 | 16.592 | 16.575 | 16.614 | VV | 622 | 9369 | 0.11% | 0.006% |
| 226 | 16.630 | 16.614 | 16.641 | VV | 204 | 3179 | 0.04% | 0.002% |
| 227 | 16.664 | 16.641 | 16.682 | VV | 407 | 5866 | 0.07% | 0.004% |
| 228 | 16.713 | 16.682 | 16.740 | VV | 2180 | 29197 | 0.35% | 0.017% |
| 229 | 16.781 | 16.740 | 16.800 | VV | 798 | 18978 | 0.23% | 0.011% |
| 230 | 16.850 | 16.800 | 16.881 | VV | 323516 | 4164407 | 49.99% | 2.486% |
| 231 | 16.934 | 16.881 | 16.968 | VV | 281880 | 3835739 | 46.05% | 2.290% |
| 232 | 17.009 | 16.968 | 17.112 | VV | 9939 | 161634 | 1.94% | 0.097% |
| 233 | 17.133 | 17.112 | 17.145 | PV | 210 | 1592 | 0.02% | 0.001% |
| 234 | 17.200 | 17.145 | 17.235 | PV | 373 | 11215 | 0.13% | 0.007% |
| 235 | 17.300 | 17.235 | 17.358 | VV | 13828 | 289176 | 3.47% | 0.173% |
| 236 | 17.383 | 17.358 | 17.419 | VV | 9559 | 144399 | 1.73% | 0.086% |
| 237 | 17.465 | 17.419 | 17.513 | VV | 2470 | 46882 | 0.56% | 0.028% |
| 238 | 17.523 | 17.513 | 17.531 | VV | 280 | 2529 | 0.03% | 0.002% |
| 239 | 17.555 | 17.531 | 17.581 | VV | 530 | 9218 | 0.11% | 0.006% |
| 240 | 17.607 | 17.581 | 17.633 | VV | 513 | 8483 | 0.10% | 0.005% |
| 241 | 17.669 | 17.633 | 17.683 | PV | 417 | 7812 | 0.09% | 0.005% |
| 242 | 17.713 | 17.683 | 17.735 | VV | 2854 | 44222 | 0.53% | 0.026% |

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|---|---|---|---|---|---|---|---|---|
| 243 | 17.824 | 17.735 | 17.878 | VV | 282625 | 3838746 | 46.08% | 2.292% |
| 244 | 17.912 | 17.878 | 17.965 | VV | 7738 | 124527 | 1.49% | 0.074% |
| 245 | 18.007 | 17.965 | 18.022 | VV | 886 | 18443 | 0.22% | 0.011% |
| 246 | 18.060 | 18.022 | 18.112 | VV | 1437 | 43055 | 0.52% | 0.026% |
| 247 | 18.226 | 18.112 | 18.241 | VV | 318156 | 4898264 | 58.80% | 2.924% |
| 248 | 18.263 | 18.241 | 18.291 | VV | 328291 | 4260017 | 51.14% | 2.543% |
| 249 | 18.303 | 18.291 | 18.314 | VV | 1816 | 23244 | 0.28% | 0.014% |
| 250 | 18.338 | 18.314 | 18.414 | VV | 2254 | 73304 | 0.88% | 0.044% |
| 251 | 18.482 | 18.414 | 18.514 | VV | 280354 | 4022147 | 48.29% | 2.401% |
| 252 | 18.537 | 18.514 | 18.568 | VV | 1477 | 39713 | 0.48% | 0.024% |
| 253 | 18.657 | 18.568 | 18.706 | VV | 267136 | 3887740 | 46.67% | 2.321% |
| 254 | 18.756 | 18.706 | 18.838 | VV | 8651 | 245475 | 2.95% | 0.147% |
| 255 | 18.860 | 18.838 | 18.885 | VV | 1384 | 33841 | 0.41% | 0.020% |
| 256 | 18.895 | 18.885 | 18.905 | VV | 1225 | 13836 | 0.17% | 0.008% |
| 257 | 18.956 | 18.905 | 18.977 | VV | 3850 | 91800 | 1.10% | 0.055% |
| 258 | 19.014 | 18.977 | 19.038 | VV | 15233 | 329124 | 3.95% | 0.197% |
| 259 | 19.050 | 19.038 | 19.101 | VV | 10196 | 241903 | 2.90% | 0.144% |
| 260 | 19.152 | 19.101 | 19.176 | VV | 3784 | 141283 | 1.70% | 0.084% |
| 261 | 19.192 | 19.176 | 19.213 | VV | 2899 | 53760 | 0.65% | 0.032% |
| 262 | 19.260 | 19.213 | 19.286 | VV | 2689 | 101857 | 1.22% | 0.061% |
| 263 | 19.315 | 19.286 | 19.334 | VV | 2425 | 64838 | 0.78% | 0.039% |
| 264 | 19.352 | 19.334 | 19.385 | VV | 2575 | 62119 | 0.75% | 0.037% |
| 265 | 19.443 | 19.385 | 19.484 | VV | 274970 | 3941862 | 47.32% | 2.353% |
| 266 | 19.507 | 19.484 | 19.523 | VV | 4411 | 79283 | 0.95% | 0.047% |
| 267 | 19.549 | 19.523 | 19.583 | VV | 10291 | 198413 | 2.38% | 0.118% |
| 268 | 19.617 | 19.583 | 19.641 | VV | 2976 | 87871 | 1.05% | 0.052% |
| 269 | 19.661 | 19.641 | 19.684 | VV | 2633 | 62239 | 0.75% | 0.037% |
| 270 | 19.719 | 19.684 | 19.757 | VV | 3219 | 118435 | 1.42% | 0.071% |
| 271 | 19.804 | 19.757 | 19.830 | VV | 7324 | 232251 | 2.79% | 0.139% |
| 272 | 19.845 | 19.830 | 19.881 | VV | 6147 | 142662 | 1.71% | 0.085% |
| 273 | 19.923 | 19.881 | 19.946 | VV | 3650 | 131538 | 1.58% | 0.079% |
| 274 | 19.992 | 19.946 | 20.024 | VV | 5178 | 187074 | 2.25% | 0.112% |
| 275 | 20.064 | 20.024 | 20.098 | VV | 4866 | 191931 | 2.30% | 0.115% |
| 276 | 20.112 | 20.098 | 20.121 | VV | 3959 | 55550 | 0.67% | 0.033% |
| 277 | 20.184 | 20.121 | 20.245 | VV | 254544 | 3897940 | 46.80% | 2.327% |
| 278 | 20.342 | 20.245 | 20.368 | VV | 9234 | 426125 | 5.12% | 0.254% |
| 279 | 20.457 | 20.368 | 20.515 | VV | 7870 | 556409 | 6.68% | 0.332% |
| 280 | 20.541 | 20.515 | 20.571 | VV | 6047 | 181433 | 2.18% | 0.108% |
| 281 | 20.584 | 20.571 | 20.631 | VV | 5157 | 172929 | 2.08% | 0.103% |
| 282 | 20.650 | 20.631 | 20.661 | VV | 4679 | 83010 | 1.00% | 0.050% |
| 283 | 20.720 | 20.661 | 20.745 | VV | 5682 | 254355 | 3.05% | 0.152% |
| 284 | 20.791 | 20.745 | 20.805 | VV | 5713 | 199507 | 2.40% | 0.119% |
| 285 | 20.883 | 20.805 | 20.894 | VV | 7416 | 343411 | 4.12% | 0.205% |

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|---|---|---|---|---|---|---|---|---|
| 286 | 20.949 | 20.894 | 21.084 | VV | 207095 | 4139185 | 49.69% | 2.471% |
| 287 | 21.097 | 21.084 | 21.126 | VV | 2945 | 73594 | 0.88% | 0.044% |
| 288 | 21.161 | 21.126 | 21.201 | VV | 2980 | 125306 | 1.50% | 0.075% |
| 289 | 21.267 | 21.201 | 21.348 | VV | 2966 | 223836 | 2.69% | 0.134% |
| 290 | 21.399 | 21.348 | 21.434 | VV | 2859 | 128859 | 1.55% | 0.077% |
| 291 | 21.471 | 21.434 | 21.614 | VV | 2768 | 213035 | 2.56% | 0.127% |
| 292 | 21.646 | 21.614 | 21.691 | VV | 1297 | 55208 | 0.66% | 0.033% |
| 293 | 21.700 | 21.691 | 21.711 | VV | 992 | 11198 | 0.13% | 0.007% |
| 294 | 21.767 | 21.711 | 21.812 | VV | 1230 | 60973 | 0.73% | 0.036% |
| 295 | 21.823 | 21.812 | 21.838 | VV | 650 | 9373 | 0.11% | 0.006% |
| 296 | 21.911 | 21.838 | 22.027 | VV | 140187 | 3570217 | 42.86% | 2.132% |
| 297 | 22.056 | 22.027 | 22.081 | PV | 166 | 2827 | 0.03% | 0.002% |

Sum of corrected areas: 167492253

Aliphatic EPH 080125.M Wed Aug 13 05:20:26 2025

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# Manual Integration Report

| Sequence: | FC080125AL | Instrument | FID_c |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| Q2740-01MS | FC069568.D | n-Dotriacontane (C32) | yogesh | 8/4/2025 7:40:14 AM | mohammad | 8/5/2025 1:59:30 | Peak Integrated by Software |
| Q2740-01MS | FC069568.D | n-Hexatriacontane (C36) | yogesh | 8/4/2025 7:40:14 AM | mohammad | 8/5/2025 1:59:30 | Peak Integrated by Software |
| Q2740-01MS | FC069568.D | n-Octatriacontane (C38) | yogesh | 8/4/2025 7:40:14 AM | mohammad | 8/5/2025 1:59:30 | Peak Integrated by Software |
| Q2740-01MS | FC069568.D | n-Tetracontane (C40) | yogesh | 8/4/2025 7:40:14 AM | mohammad | 8/5/2025 1:59:30 | Peak Integrated by Software |
| Q2740-01MSD | FC069569.D | n-Dotriacontane (C32) | yogesh | 8/4/2025 7:40:12 AM | mohammad | 8/5/2025 1:59:30 | Peak Integrated by Software |
| Q2740-01MSD | FC069569.D | n-Hexatriacontane (C36) | yogesh | 8/4/2025 7:40:12 AM | mohammad | 8/5/2025 1:59:30 | Peak Integrated by Software |
| Q2740-01MSD | FC069569.D | n-Octatriacontane (C38) | yogesh | 8/4/2025 7:40:12 AM | mohammad | 8/5/2025 1:59:30 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | FC081225AL | Instrument | FID_c |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|

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# Manual Integration Report

| Sequence: | FE080125AL | Instrument | FID_e |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| Q2741-01 | FE055114.D | ortho-Terphenyl (SURR) | yogesh | 8/4/2025 7:39:52 AM | mohammad | 8/5/2025 1:59:38 | Peak Integrated by Software |
| Q2741-02 | FE055115.D | ortho-Terphenyl (SURR) | yogesh | 8/4/2025 7:39:54 AM | mohammad | 8/5/2025 1:59:38 | Peak Integrated by Software |
| Q2734-01 | FE055116.D | ortho-Terphenyl (SURR) | yogesh | 8/4/2025 7:39:55 AM | mohammad | 8/5/2025 1:59:38 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE055118.D | n-Tetracontane (C40) | yogesh | 8/4/2025 7:39:57 AM | mohammad | 8/5/2025 1:59:38 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | FE081225AL | Instrument | FID_e |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| Q2809-02DL | FE055246.D | ortho-Terphenyl (SURR) | yogesh | 8/13/2025 7:38:04 AM | mohammad | 8/13/2025 9:40:33 | Peak Integrated by Software |
| Q2757-07MS | FE055257.D | n-Dotriacontane (C32) | yogesh | 8/13/2025 7:38:06 AM | mohammad | 8/13/2025 9:40:33 | Peak Integrated by Software |
| Q2757-07MS | FE055257.D | n-Octatriacontane (C38) | yogesh | 8/13/2025 7:38:06 AM | mohammad | 8/13/2025 9:40:33 | Peak Integrated by Software |
| Q2757-07MS | FE055257.D | n-Tetratriacontane (C34) | yogesh | 8/13/2025 7:38:06 AM | mohammad | 8/13/2025 9:40:33 | Peak Integrated by Software |
| Q2757-07MS | FE055257.D | n-Tricontane (C30) | yogesh | 8/13/2025 7:38:06 AM | mohammad | 8/13/2025 9:40:33 | Peak Integrated by Software |
| Q2757-07MSD | FE055258.D | n-Octatriacontane (C38) | yogesh | 8/13/2025 7:38:08 AM | mohammad | 8/13/2025 9:40:33 | Peak Integrated by Software |
| Q2757-07MSD | FE055258.D | n-Tetratriacontane (C34) | yogesh | 8/13/2025 7:38:08 AM | mohammad | 8/13/2025 9:40:33 | Peak Integrated by Software |
| Q2757-07MSD | FE055258.D | n-Tricontane (C30) | yogesh | 8/13/2025 7:38:08 AM | mohammad | 8/13/2025 9:40:33 | Peak Integrated by Software |
| Q2818-01 | FE055259.D | ortho-Terphenyl (SURR) | yogesh | 8/13/2025 7:38:10 AM | mohammad | 8/13/2025 9:40:33 | Peak Integrated by Software |
| Q2818-02 | FE055260.D | 1-chlorooctadecane (SURR) | yogesh | 8/13/2025 7:38:12 AM | mohammad | 8/13/2025 9:40:33 | Peak Integrated by Software |
| Q2818-02 | FE055260.D | ortho-Terphenyl (SURR) | yogesh | 8/13/2025 7:38:12 AM | mohammad | 8/13/2025 9:40:33 | Peak Integrated by Software |
| Q2823-01 | FE055261.D | 1-chlorooctadecane (SURR) | yogesh | 8/13/2025 7:38:14 AM | mohammad | 8/13/2025 9:40:33 | Peak Integrated by Software |
| Q2823-01 | FE055261.D | ortho-Terphenyl (SURR) | yogesh | 8/13/2025 7:38:14 AM | mohammad | 8/13/2025 9:40:33 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | FE081225AL | Instrument | FID_e |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| Q2823-02 | FE055262.D | ortho-Terphenyl (SURR) | yogesh | 8/13/2025 7:38:15 AM | mohammad | 8/13/2025 9:40:33 | Peak Integrated by Software |
| Q2827-01 | FE055264.D | ortho-Terphenyl (SURR) | yogesh | 8/13/2025 7:38:17 AM | mohammad | 8/13/2025 9:40:33 | Peak Integrated by Software |
| Q2827-02 | FE055265.D | ortho-Terphenyl (SURR) | yogesh | 8/13/2025 7:38:20 AM | mohammad | 8/13/2025 9:40:33 | Peak Integrated by Software |
| Q2827-05 | FE055266.D | ortho-Terphenyl (SURR) | yogesh | 8/13/2025 7:38:21 AM | mohammad | 8/13/2025 9:40:33 | Peak Integrated by Software |
| Q2827-06 | FE055269.D | 1-chlorooctadecane (SURR) | yogesh | 8/13/2025 7:38:22 AM | mohammad | 8/13/2025 9:40:33 | Peak Integrated by Software |
| Q2827-06 | FE055269.D | ortho-Terphenyl (SURR) | yogesh | 8/13/2025 7:38:22 AM | mohammad | 8/13/2025 9:40:33 | Peak Integrated by Software |

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**Instrument ID: FID_C**

## Daily Analysis Runlog For Sequence/QCBatch ID # FC080125AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/1/2025 10:37:24 AM | | |
| Supervise By | mohammad | Supervise On | 8/5/2025 1:59:30 AM | | |
| SubDirectory | FC080125AL | HP Acquire Method | | HP Processing Method | FC080125AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24768,PP24770,PP24771,PP24772,PP24773 |
| CCC | PP24771 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24769,PP24774 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | MECL2 | FC069556.D | 01 Aug 2025 09:39 | YP/AJ | Ok |
| 2 | I.BLK | FC069557.D | 01 Aug 2025 10:20 | YP/AJ | Ok |
| 3 | 100 PPM ALIPHATIC HC STD1 | FC069558.D | 01 Aug 2025 11:01 | YP/AJ | Ok |
| 4 | 50 PPM ALIPHATIC HC STD2 | FC069559.D | 01 Aug 2025 11:43 | YP/AJ | Ok |
| 5 | 20 PPM ALIPHATIC HC STD3 | FC069560.D | 01 Aug 2025 12:24 | YP/AJ | Ok |
| 6 | 10 PPM ALIPHATIC HC STD4 | FC069561.D | 01 Aug 2025 13:06 | YP/AJ | Ok |
| 7 | 5 PPM ALIPHATIC HC STD5 | FC069562.D | 01 Aug 2025 13:47 | YP/AJ | Ok |
| 8 | 20 PPM ALIPHATIC HC STD ICV | FC069563.D | 01 Aug 2025 14:28 | YP/AJ | Ok |
| 9 | I.BLK | FC069564.D | 01 Aug 2025 15:10 | YP/AJ | Ok |
| 10 | 20 PPM ALIPHATIC HC STD | FC069565.D | 01 Aug 2025 15:52 | YP/AJ | Ok |
| 11 | Q2740-01 | FC069566.D | 01 Aug 2025 16:37 | YP/AJ | Dilution |
| 12 | Q2740-01D | FC069567.D | 01 Aug 2025 17:19 | YP/AJ | Ok |
| 13 | Q2740-01MS | FC069568.D | 01 Aug 2025 18:02 | YP/AJ | Ok,M |
| 14 | Q2740-01MSD | FC069569.D | 01 Aug 2025 18:44 | YP/AJ | Ok,M |
| 15 | I.BLK | FC069570.D | 01 Aug 2025 19:26 | YP/AJ | Ok |
| 16 | 20 PPM ALIPHATIC HC STD | FC069571.D | 01 Aug 2025 20:09 | YP/AJ | Ok |

M : Manual Integration

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**Instrument ID: FID_C**

## Daily Analysis Runlog For Sequence/QCBatch ID # FC081225AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/12/2025 10:15:09 AM | | |
| Supervise By | mohammad | Supervise On | 8/13/2025 9:40:39 AM | | |
| SubDirectory | FC081225AL | HP Acquire Method | | HP Processing Method | FC080125AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24768,PP24770,PP24771,PP24772,PP24773 |
| CCC | PP24771 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24769,PP24774 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | MECL2 | FC069632.D | 12 Aug 2025 09:33 | YP/AJ | Ok |
| 2 | I.BLK | FC069633.D | 12 Aug 2025 10:17 | YP/AJ | Ok |
| 3 | 20 PPM ALIPHATIC HC STD | FC069634.D | 12 Aug 2025 11:03 | YP/AJ | Ok |
| 4 | PB169209BL | FC069635.D | 12 Aug 2025 11:48 | YP/AJ | Ok |
| 5 | PB169209BS | FC069636.D | 12 Aug 2025 12:34 | YP/AJ | Ok |
| 6 | PB169209BSD | FC069637.D | 12 Aug 2025 13:21 | YP/AJ | Ok |
| 7 | Q2743-01 | FC069638.D | 12 Aug 2025 14:10 | YP/AJ | Ok |
| 8 | Q2743-01D | FC069639.D | 12 Aug 2025 15:01 | YP/AJ | Ok |
| 9 | Q2743-01MS | FC069640.D | 12 Aug 2025 15:46 | YP/AJ | Ok |
| 10 | Q2743-01MSD | FC069641.D | 12 Aug 2025 16:32 | YP/AJ | Ok |
| 11 | I.BLK | FC069642.D | 12 Aug 2025 18:04 | YP/AJ | Ok |
| 12 | 20 PPM ALIPHATIC HC STD | FC069643.D | 12 Aug 2025 18:50 | YP/AJ | Ok |
| 13 | PB169207BL | FC069644.D | 12 Aug 2025 20:22 | YP/AJ | Ok |
| 14 | PB169207BS | FC069645.D | 12 Aug 2025 21:08 | YP/AJ | Ok |
| 15 | PB169207BSD | FC069646.D | 12 Aug 2025 21:53 | YP/AJ | Ok |
| 16 | Q2830-03 | FC069647.D | 12 Aug 2025 22:41 | YP/AJ | Ok |
| 17 | Q2830-03D | FC069648.D | 12 Aug 2025 23:27 | YP/AJ | Ok |
| 18 | Q2830-03MS | FC069649.D | 13 Aug 2025 00:13 | YP/AJ | Ok |
| 19 | Q2830-03MSD | FC069650.D | 13 Aug 2025 01:50 | YP/AJ | Ok |
| 20 | Q2830-04 | FC069651.D | 13 Aug 2025 02:34 | YP/AJ | Ok |
| 21 | I.BLK | FC069652.D | 13 Aug 2025 04:02 | YP/AJ | Ok |

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**Instrument ID: FID_C**

## Daily Analysis Runlog For Sequence/QCBatch ID # FC081225AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/12/2025 10:15:09 AM | | |
| Supervise By | mohammad | Supervise On | 8/13/2025 9:40:39 AM | | |
| SubDirectory | FC081225AL | HP Acquire Method | | HP Processing Method | FC080125AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24768,PP24770,PP24771,PP24772,PP24773 |
| CCC | PP24771 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24769,PP24774 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | 20 PPM ALIPHATIC HC STD | FC069653.D | 13 Aug 2025 04:46 | YP/AJ | Ok |

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**Instrument ID: FID_E**

## Daily Analysis Runlog For Sequence/QCBatch ID # FE080125AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/1/2025 10:51:38 AM | | |
| Supervise By | mohammad | Supervise On | 8/5/2025 1:59:38 AM | | |
| SubDirectory | FE080125AL | HP Acquire Method | | HP Processing Method | FE080125AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24768,PP24770,PP24771,PP24772,PP24773 |
| CCC | PP24771 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24769,PP24774 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | MECL2 | FE055100.D | 01 Aug 2025 10:24 | YP\AJ | Ok |
| 2 | I.BLK | FE055101.D | 01 Aug 2025 10:54 | YP\AJ | Ok |
| 3 | 100 PPM ALIPHATIC HC STD1 | FE055102.D | 01 Aug 2025 11:24 | YP\AJ | Ok |
| 4 | 50 PPM ALIPHATIC HC STD2 | FE055103.D | 01 Aug 2025 11:54 | YP\AJ | Ok |
| 5 | 20 PPM ALIPHATIC HC STD3 | FE055104.D | 01 Aug 2025 12:25 | YP\AJ | Ok |
| 6 | 10 PPM ALIPHATIC HC STD4 | FE055105.D | 01 Aug 2025 12:55 | YP\AJ | Ok |
| 7 | 5 PPM ALIPHATIC HC STD5 | FE055106.D | 01 Aug 2025 13:25 | YP\AJ | Ok |
| 8 | 20 PPM ALIPHATIC HC STD ICV | FE055107.D | 01 Aug 2025 13:55 | YP\AJ | Ok |
| 9 | I.BLK | FE055108.D | 01 Aug 2025 14:25 | YP\AJ | Ok |
| 10 | 20 PPM ALIPHATIC HC STD | FE055109.D | 01 Aug 2025 14:55 | YP\AJ | Ok |
| 11 | PB169089BL | FE055110.D | 01 Aug 2025 16:36 | YP\AJ | Ok |
| 12 | PB169089BS | FE055111.D | 01 Aug 2025 17:07 | YP\AJ | Ok |
| 13 | PB169089BSD | FE055112.D | 01 Aug 2025 17:37 | YP\AJ | Ok |
| 14 | Q2740-02 | FE055113.D | 01 Aug 2025 18:07 | YP\AJ | Ok |
| 15 | Q2741-01 | FE055114.D | 01 Aug 2025 18:37 | YP\AJ | Ok,M |
| 16 | Q2741-02 | FE055115.D | 01 Aug 2025 19:07 | YP\AJ | Ok,M |
| 17 | Q2734-01 | FE055116.D | 01 Aug 2025 19:38 | YP\AJ | Dilution |
| 18 | I.BLK | FE055117.D | 01 Aug 2025 20:08 | YP\AJ | Ok |
| 19 | 20 PPM ALIPHATIC HC STD | FE055118.D | 01 Aug 2025 20:38 | YP\AJ | Ok,M |

M : Manual Integration

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**Instrument ID: FID_E**

## Daily Analysis Runlog For Sequence/QCBatch ID # FE081225AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/12/2025 8:20:42 AM | | |
| Supervise By | mohammad | Supervise On | 8/13/2025 9:40:33 AM | | |
| SubDirectory | FE081225AL | HP Acquire Method | | HP Processing Method | FE080125AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24768,PP24770,PP24771,PP24772,PP24773 |
| CCC | PP24771 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24769,PP24774 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | MECL2 | FE055241.D | 12 Aug 2025 06:29 | YP\AJ | Ok |
| 2 | I.BLK | FE055242.D | 12 Aug 2025 06:59 | YP\AJ | Ok |
| 3 | 20 PPM ALIPHATIC HC STD | FE055243.D | 12 Aug 2025 07:29 | YP\AJ | Ok |
| 4 | Q2808-01DL | FE055244.D | 12 Aug 2025 08:00 | YP\AJ | Ok |
| 5 | Q2809-01DL | FE055245.D | 12 Aug 2025 08:30 | YP\AJ | Ok |
| 6 | Q2809-02DL | FE055246.D | 12 Aug 2025 09:00 | YP\AJ | Ok,M |
| 7 | PB169208BL | FE055247.D | 12 Aug 2025 09:50 | YP\AJ | Ok |
| 8 | PB169208BS | FE055248.D | 12 Aug 2025 10:20 | YP\AJ | Ok |
| 9 | PB169208BSD | FE055249.D | 12 Aug 2025 10:51 | YP\AJ | Ok |
| 10 | Q2757-03 | FE055250.D | 12 Aug 2025 11:21 | YP\AJ | Ok |
| 11 | Q2757-04 | FE055251.D | 12 Aug 2025 11:52 | YP\AJ | Ok |
| 12 | Q2757-05 | FE055252.D | 12 Aug 2025 12:22 | YP\AJ | Dilution |
| 13 | I.BLK | FE055253.D | 12 Aug 2025 13:23 | YP\AJ | Ok |
| 14 | 20 PPM ALIPHATIC HC STD | FE055254.D | 12 Aug 2025 13:54 | YP\AJ | Ok |
| 15 | Q2757-06 | FE055255.D | 12 Aug 2025 14:25 | YP\AJ | Ok |
| 16 | Q2757-07 | FE055256.D | 12 Aug 2025 14:55 | YP\AJ | Ok |
| 17 | Q2757-07MS | FE055257.D | 12 Aug 2025 15:26 | YP\AJ | Ok,M |
| 18 | Q2757-07MSD | FE055258.D | 12 Aug 2025 15:56 | YP\AJ | Ok,M |
| 19 | Q2818-01 | FE055259.D | 12 Aug 2025 16:27 | YP\AJ | Dilution |
| 20 | Q2818-02 | FE055260.D | 12 Aug 2025 16:57 | YP\AJ | Dilution |
| 21 | Q2823-01 | FE055261.D | 12 Aug 2025 17:28 | YP\AJ | Dilution |

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**Instrument ID: FID_E**

## Daily Analysis Runlog For Sequence/QCBatch ID # FE081225AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/12/2025 8:20:42 AM | | |
| Supervise By | mohammad | Supervise On | 8/13/2025 9:40:33 AM | | |
| SubDirectory | FE081225AL | HP Acquire Method | | HP Processing Method | FE080125AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24768,PP24770,PP24771,PP24772,PP24773 |
| CCC | PP24771 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24769,PP24774 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q2823-02 | FE055262.D | 12 Aug 2025 17:58 | YP\AJ | Dilution |
| 23 | Q2826-01 | FE055263.D | 12 Aug 2025 18:29 | YP\AJ | Ok |
| 24 | Q2827-01 | FE055264.D | 12 Aug 2025 18:59 | YP\AJ | Dilution |
| 25 | Q2827-02 | FE055265.D | 12 Aug 2025 19:30 | YP\AJ | Ok,M |
| 26 | Q2827-05 | FE055266.D | 12 Aug 2025 20:00 | YP\AJ | Dilution |
| 27 | I.BLK | FE055267.D | 12 Aug 2025 21:01 | YP\AJ | Ok |
| 28 | 20 PPM ALIPHATIC HC STD | FE055268.D | 12 Aug 2025 21:32 | YP\AJ | Ok |
| 29 | Q2827-06 | FE055269.D | 12 Aug 2025 22:33 | YP\AJ | Dilution |
| 30 | Q2830-01 | FE055270.D | 12 Aug 2025 23:04 | YP\AJ | Ok |
| 31 | Q2830-02 | FE055271.D | 12 Aug 2025 23:34 | YP\AJ | Ok |
| 32 | Q2830-05 | FE055272.D | 13 Aug 2025 00:05 | YP\AJ | Ok |
| 33 | Q2830-06 | FE055273.D | 13 Aug 2025 00:35 | YP\AJ | Ok |
| 34 | Q2830-07 | FE055274.D | 13 Aug 2025 01:05 | YP\AJ | Ok |
| 35 | Q2830-08 | FE055275.D | 13 Aug 2025 01:36 | YP\AJ | Ok |
| 36 | Q2831-01 | FE055276.D | 13 Aug 2025 02:06 | YP\AJ | Ok |
| 37 | I.BLK | FE055277.D | 13 Aug 2025 03:07 | YP\AJ | Ok |
| 38 | 20 PPM ALIPHATIC HC STD | FE055278.D | 13 Aug 2025 04:08 | YP\AJ | Ok |

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**Instrument ID:** FID_C

## Daily Analysis Runlog For Sequence/QCBatch ID # FC080125AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/1/2025 10:37:24 AM | | |
| Supervise By | mohammad | Supervise On | 8/5/2025 1:59:30 AM | | |
| SubDirectory | FC080125AL | HP Acquire Method | | HP Processing Method | FC080125AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24768,PP24770,PP24771,PP24772,PP24773 |
| CCC | PP24771 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24769,PP24774 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | MECL2 | MECL2 | FC069556.D | 01 Aug 2025 09:39 | | YP/AJ | Ok |
| 2 | I.BLK | I.BLK | FC069557.D | 01 Aug 2025 10:20 | | YP/AJ | Ok |
| 3 | 100 PPM ALIPHATIC H | 100 PPM ALIPHATIC H | FC069558.D | 01 Aug 2025 11:01 | | YP/AJ | Ok |
| 4 | 50 PPM ALIPHATIC HC | 50 PPM ALIPHATIC HC | FC069559.D | 01 Aug 2025 11:43 | | YP/AJ | Ok |
| 5 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FC069560.D | 01 Aug 2025 12:24 | | YP/AJ | Ok |
| 6 | 10 PPM ALIPHATIC HC | 10 PPM ALIPHATIC HC | FC069561.D | 01 Aug 2025 13:06 | | YP/AJ | Ok |
| 7 | 5 PPM ALIPHATIC HC | 5 PPM ALIPHATIC HC | FC069562.D | 01 Aug 2025 13:47 | | YP/AJ | Ok |
| 8 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FC069563.D | 01 Aug 2025 14:28 | | YP/AJ | Ok |
| 9 | I.BLK | I.BLK | FC069564.D | 01 Aug 2025 15:10 | | YP/AJ | Ok |
| 10 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FC069565.D | 01 Aug 2025 15:52 | | YP/AJ | Ok |
| 11 | Q2740-01 | OR-02-07312025 | FC069566.D | 01 Aug 2025 16:37 | Need 2X | YP/AJ | Dilution |
| 12 | Q2740-01D | Q2740-01D | FC069567.D | 01 Aug 2025 17:19 | | YP/AJ | Ok |
| 13 | Q2740-01MS | OR-02-07312025MS | FC069568.D | 01 Aug 2025 18:02 | FC069566.D | YP/AJ | Ok,M |
| 14 | Q2740-01MSD | OR-02-07312025MSD | FC069569.D | 01 Aug 2025 18:44 | FC069566.D!FC069568.D | YP/AJ | Ok,M |
| 15 | I.BLK | I.BLK | FC069570.D | 01 Aug 2025 19:26 | | YP/AJ | Ok |
| 16 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FC069571.D | 01 Aug 2025 20:09 | | YP/AJ | Ok |

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**Instrument ID:** FID_C

## Daily Analysis Runlog For Sequence/QCBatch ID # FC081225AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/12/2025 10:15:09 AM | | |
| Supervise By | mohammad | Supervise On | 8/13/2025 9:40:39 AM | | |
| SubDirectory | FC081225AL | HP Acquire Method | | HP Processing Method | FC080125AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24768,PP24770,PP24771,PP24772,PP24773 |
| CCC | PP24771 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24769,PP24774 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | MECL2 | MECL2 | FC069632.D | 12 Aug 2025 09:33 | | YP/AJ | Ok |
| 2 | I.BLK | I.BLK | FC069633.D | 12 Aug 2025 10:17 | | YP/AJ | Ok |
| 3 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FC069634.D | 12 Aug 2025 11:03 | | YP/AJ | Ok |
| 4 | PB169209BL | PB169209BL | FC069635.D | 12 Aug 2025 11:48 | | YP/AJ | Ok |
| 5 | PB169209BS | PB169209BS | FC069636.D | 12 Aug 2025 12:34 | naphthalene break down - 0.356, 2-methylnephthalene break down - 0.156 | YP/AJ | Ok |
| 6 | PB169209BSD | PB169209BSD | FC069637.D | 12 Aug 2025 13:21 | naphthalene break down - 0.399, 2-methylnephthalene break down - 0.209 | YP/AJ | Ok |
| 7 | Q2743-01 | WC1 | FC069638.D | 12 Aug 2025 14:10 | | YP/AJ | Ok |
| 8 | Q2743-01D | Q2743-01D | FC069639.D | 12 Aug 2025 15:01 | | YP/AJ | Ok |
| 9 | Q2743-01MS | WC1MS | FC069640.D | 12 Aug 2025 15:46 | FC069638.D | YP/AJ | Ok |
| 10 | Q2743-01MSD | WC1MSD | FC069641.D | 12 Aug 2025 16:32 | FC069638.D!FC069640.D | YP/AJ | Ok |
| 11 | I.BLK | I.BLK | FC069642.D | 12 Aug 2025 18:04 | | YP/AJ | Ok |
| 12 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FC069643.D | 12 Aug 2025 18:50 | | YP/AJ | Ok |
| 13 | PB169207BL | PB169207BL | FC069644.D | 12 Aug 2025 20:22 | | YP/AJ | Ok |
| 14 | PB169207BS | PB169207BS | FC069645.D | 12 Aug 2025 21:08 | | YP/AJ | Ok |
| 15 | PB169207BSD | PB169207BSD | FC069646.D | 12 Aug 2025 21:53 | | YP/AJ | Ok |
| 16 | Q2830-03 | BIN0009-DRIVEWAY-T | FC069647.D | 12 Aug 2025 22:41 | | YP/AJ | Ok |

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**Instrument ID:** FID_C

## Daily Analysis Runlog For Sequence/QCBatch ID # FC081225AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/12/2025 10:15:09 AM | | |
| Supervise By | mohammad | Supervise On | 8/13/2025 9:40:39 AM | | |
| SubDirectory | FC081225AL | HP Acquire Method | | HP Processing Method | FC080125AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24768,PP24770,PP24771,PP24772,PP24773 |
| CCC | PP24771 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24769,PP24774 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 17 | Q2830-03D | Q2830-03D | FC069648.D | 12 Aug 2025 23:27 | | YP/AJ | Ok |
| 18 | Q2830-03MS | BIN0009-DRIVEWAY-T | FC069649.D | 13 Aug 2025 00:13 | FC069647.D | YP/AJ | Ok |
| 19 | Q2830-03MSD | BIN0009-DRIVEWAY-T | FC069650.D | 13 Aug 2025 01:50 | FC069647.D!FC069649.D | YP/AJ | Ok |
| 20 | Q2830-04 | BIN0009-DRIVEWAY-T | FC069651.D | 13 Aug 2025 02:34 | | YP/AJ | Ok |
| 21 | I.BLK | I.BLK | FC069652.D | 13 Aug 2025 04:02 | | YP/AJ | Ok |
| 22 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FC069653.D | 13 Aug 2025 04:46 | | YP/AJ | Ok |

M : Manual Integration

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Fax : 908 789 8922

**Instrument ID:** FID_E

## Daily Analysis Runlog For Sequence/QCBatch ID # FE080125AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/1/2025 10:51:38 AM | | |
| Supervise By | mohammad | Supervise On | 8/5/2025 1:59:38 AM | | |
| SubDirectory | FE080125AL | HP Acquire Method | | HP Processing Method | FE080125AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24768,PP24770,PP24771,PP24772,PP24773 |
| CCC | PP24771 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24769,PP24774 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | MECL2 | MECL2 | FE055100.D | 01 Aug 2025 10:24 | | YP\AJ | Ok |
| 2 | I.BLK | I.BLK | FE055101.D | 01 Aug 2025 10:54 | | YP\AJ | Ok |
| 3 | 100 PPM ALIPHATIC H | 100 PPM ALIPHATIC H | FE055102.D | 01 Aug 2025 11:24 | | YP\AJ | Ok |
| 4 | 50 PPM ALIPHATIC HC | 50 PPM ALIPHATIC HC | FE055103.D | 01 Aug 2025 11:54 | | YP\AJ | Ok |
| 5 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE055104.D | 01 Aug 2025 12:25 | | YP\AJ | Ok |
| 6 | 10 PPM ALIPHATIC HC | 10 PPM ALIPHATIC HC | FE055105.D | 01 Aug 2025 12:55 | | YP\AJ | Ok |
| 7 | 5 PPM ALIPHATIC HC | 5 PPM ALIPHATIC HC | FE055106.D | 01 Aug 2025 13:25 | | YP\AJ | Ok |
| 8 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE055107.D | 01 Aug 2025 13:55 | | YP\AJ | Ok |
| 9 | I.BLK | I.BLK | FE055108.D | 01 Aug 2025 14:25 | | YP\AJ | Ok |
| 10 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE055109.D | 01 Aug 2025 14:55 | | YP\AJ | Ok |
| 11 | PB169089BL | PB169089BL | FE055110.D | 01 Aug 2025 16:36 | | YP\AJ | Ok |
| 12 | PB169089BS | PB169089BS | FE055111.D | 01 Aug 2025 17:07 | | YP\AJ | Ok |
| 13 | PB169089BSD | PB169089BSD | FE055112.D | 01 Aug 2025 17:37 | | YP\AJ | Ok |
| 14 | Q2740-02 | OR-02-07312025-E2 | FE055113.D | 01 Aug 2025 18:07 | | YP\AJ | Ok |
| 15 | Q2741-01 | TR-05-07312025 | FE055114.D | 01 Aug 2025 18:37 | | YP\AJ | Ok,M |
| 16 | Q2741-02 | TR-05-07312025-E2 | FE055115.D | 01 Aug 2025 19:07 | | YP\AJ | Ok,M |
| 17 | Q2734-01 | VNJ-253 | FE055116.D | 01 Aug 2025 19:38 | Need 2X | YP\AJ | Dilution |
| 18 | I.BLK | I.BLK | FE055117.D | 01 Aug 2025 20:08 | | YP\AJ | Ok |

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Fax : 908 789 8922

**Instrument ID:** FID_E

## Daily Analysis Runlog For Sequence/QCBatch ID # FE080125AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/1/2025 10:51:38 AM | | |
| Supervise By | mohammad | Supervise On | 8/5/2025 1:59:38 AM | | |
| SubDirectory | FE080125AL | HP Acquire Method | | HP Processing Method | FE080125AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24768,PP24770,PP24771,PP24772,PP24773 |
| CCC | PP24771 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24769,PP24774 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE055118.D | 01 Aug 2025 20:38 | | YP\AJ | Ok,M |

M : Manual Integration

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Fax : 908 789 8922

**Instrument ID:** FID_E

## Daily Analysis Runlog For Sequence/QCBatch ID # FE081225AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/12/2025 8:20:42 AM | | |
| Supervise By | mohammad | Supervise On | 8/13/2025 9:40:33 AM | | |
| SubDirectory | FE081225AL | HP Acquire Method | | HP Processing Method | FE080125AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24768,PP24770,PP24771,PP24772,PP24773 |
| CCC | PP24771 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24769,PP24774 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | MECL2 | MECL2 | FE055241.D | 12 Aug 2025 06:29 | | YP\AJ | Ok |
| 2 | I.BLK | I.BLK | FE055242.D | 12 Aug 2025 06:59 | | YP\AJ | Ok |
| 3 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE055243.D | 12 Aug 2025 07:29 | | YP\AJ | Ok |
| 4 | Q2808-01DL | TP-7DL | FE055244.D | 12 Aug 2025 08:00 | | YP\AJ | Ok |
| 5 | Q2809-01DL | OR-03-08082025DL | FE055245.D | 12 Aug 2025 08:30 | | YP\AJ | Ok |
| 6 | Q2809-02DL | OR-03-08082025-E2DL | FE055246.D | 12 Aug 2025 09:00 | | YP\AJ | Ok,M |
| 7 | PB169208BL | PB169208BL | FE055247.D | 12 Aug 2025 09:50 | | YP\AJ | Ok |
| 8 | PB169208BS | PB169208BS | FE055248.D | 12 Aug 2025 10:20 | | YP\AJ | Ok |
| 9 | PB169208BSD | PB169208BSD | FE055249.D | 12 Aug 2025 10:51 | | YP\AJ | Ok |
| 10 | Q2757-03 | 1 | FE055250.D | 12 Aug 2025 11:21 | | YP\AJ | Ok |
| 11 | Q2757-04 | 2 | FE055251.D | 12 Aug 2025 11:52 | | YP\AJ | Ok |
| 12 | Q2757-05 | 3 | FE055252.D | 12 Aug 2025 12:22 | Need 2X | YP\AJ | Dilution |
| 13 | I.BLK | I.BLK | FE055253.D | 12 Aug 2025 13:23 | | YP\AJ | Ok |
| 14 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE055254.D | 12 Aug 2025 13:54 | | YP\AJ | Ok |
| 15 | Q2757-06 | 4 | FE055255.D | 12 Aug 2025 14:25 | | YP\AJ | Ok |
| 16 | Q2757-07 | 5 | FE055256.D | 12 Aug 2025 14:55 | | YP\AJ | Ok |
| 17 | Q2757-07MS | 5MS | FE055257.D | 12 Aug 2025 15:26 | FE055256.D | YP\AJ | Ok,M |
| 18 | Q2757-07MSD | 5MSD | FE055258.D | 12 Aug 2025 15:56 | FE055256.D!FE055257.D | YP\AJ | Ok,M |

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Fax : 908 789 8922

**Instrument ID:** FID_E

## Daily Analysis Runlog For Sequence/QCBatch ID # FE081225AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/12/2025 8:20:42 AM | | |
| Supervise By | mohammad | Supervise On | 8/13/2025 9:40:33 AM | | |
| SubDirectory | FE081225AL | HP Acquire Method | | HP Processing Method | FE080125AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24768,PP24770,PP24771,PP24772,PP24773 |
| CCC | PP24771 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24769,PP24774 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q2818-01 | B-2-5-1 | FE055259.D | 12 Aug 2025 16:27 | Need 10X | YP\AJ | Dilution |
| 20 | Q2818-02 | B-3-5-2 | FE055260.D | 12 Aug 2025 16:57 | Need 5X | YP\AJ | Dilution |
| 21 | Q2823-01 | SU-04-081125 | FE055261.D | 12 Aug 2025 17:28 | Need 5X | YP\AJ | Dilution |
| 22 | Q2823-02 | SU-04-081125-E2 | FE055262.D | 12 Aug 2025 17:58 | Need 2X | YP\AJ | Dilution |
| 23 | Q2826-01 | WC1 | FE055263.D | 12 Aug 2025 18:29 | | YP\AJ | Ok |
| 24 | Q2827-01 | TP-8 | FE055264.D | 12 Aug 2025 18:59 | Need 2X | YP\AJ | Dilution |
| 25 | Q2827-02 | TP-8-EPH | FE055265.D | 12 Aug 2025 19:30 | | YP\AJ | Ok,M |
| 26 | Q2827-05 | TP-9 | FE055266.D | 12 Aug 2025 20:00 | Need 20X | YP\AJ | Dilution |
| 27 | I.BLK | I.BLK | FE055267.D | 12 Aug 2025 21:01 | | YP\AJ | Ok |
| 28 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE055268.D | 12 Aug 2025 21:32 | | YP\AJ | Ok |
| 29 | Q2827-06 | TP-9-EPH | FE055269.D | 12 Aug 2025 22:33 | Need 5X,100X | YP\AJ | Dilution |
| 30 | Q2830-01 | BIN0009-DRIVEWAY-T | FE055270.D | 12 Aug 2025 23:04 | | YP\AJ | Ok |
| 31 | Q2830-02 | BIN0009-DRIVEWAY-T | FE055271.D | 12 Aug 2025 23:34 | | YP\AJ | Ok |
| 32 | Q2830-05 | BIN0009-DRIVEWAY-T | FE055272.D | 13 Aug 2025 00:05 | | YP\AJ | Ok |
| 33 | Q2830-06 | BIN0009-DRIVEWAY-T | FE055273.D | 13 Aug 2025 00:35 | | YP\AJ | Ok |
| 34 | Q2830-07 | BIN0009-DRIVEWAY-T | FE055274.D | 13 Aug 2025 01:05 | | YP\AJ | Ok |
| 35 | Q2830-08 | BIN0009-DRIVEWAY-T | FE055275.D | 13 Aug 2025 01:36 | | YP\AJ | Ok |
| 36 | Q2831-01 | VNJ-238 | FE055276.D | 13 Aug 2025 02:06 | | YP\AJ | Ok |
| 37 | I.BLK | I.BLK | FE055277.D | 13 Aug 2025 03:07 | | YP\AJ | Ok |

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Fax : 908 789 8922

**Instrument ID:** FID_E

## Daily Analysis Runlog For Sequence/QCBatch ID # FE081225AL

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 8/12/2025 8:20:42 AM | | |
| Supervise By | mohammad | Supervise On | 8/13/2025 9:40:33 AM | | |
| SubDirectory | FE081225AL | HP Acquire Method | | HP Processing Method | FE080125AL |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24768,PP24770,PP24771,PP24772,PP24773 |
| CCC | PP24771 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24769,PP24774 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 38 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE055278.D | 13 Aug 2025 04:08 | | YP\AJ | Ok |

M : Manual Integration

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB169207

**SOP ID:** MNJDEP-EPH-8

**Clean Up SOP #:** N/A

**Matrix :** Solid

**Weigh By:** RJ

**Balance check:** RJ

**Balance ID:** EX-SC-2

**pH Strip Lot#:** N/A

**Extraction By:** RJ

**Filter By:** RJ

**pH Meter ID:** N/A

**Hood ID:** 3,7

**Extraction Start Date :** 08/12/2025

**Extraction Start Time :** 08:45

**Extraction End Date :** 08/12/2025

**Extraction End Time :** 13:00

**Concentration By:** RS

**Supervisor By :** RUPESH

**Extraction Method:** [ ] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [√] Soxhlet

| Standared Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---|---|---|---|
| Spike Sol 1 | 1.0ML | 100 PPM | PP24767 |
| Surrogate | 1.0ML | 100 PPM | PP24652 |
| Fractionation Surrogate | 1.0ML | 100 PPM | PP24765 |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| MeCl2/Acetone/1:1 | N/A | EP2626 |
| Baked Na2SO4 | N/A | EP2632 |
| Sand | N/A | E3951 |
| Hexane | N/A | E3962 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

**Extraction Conformance/Non-Conformance Comments:**

N/A

**KD Bath ID:** N/A

**KD Bath Temperature:** N/A

**Envap ID:** NEVIDAP-02

**Envap Temperature:** 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 8/12/25 | RS (Ex-Lab) | T.P. peg HPOB |
| 13:05 | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB169207**

**Analytical Method:** MNJDEP-EPH-8

**Concentration Date:** 08/12/2025

| Sample ID | Client Sample ID | Test | g / mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB169207BL | PB169207BL | EPH_NF | 30.02 | N/A | ritesh | RUPESH | 2 | | | U1-1 |
| PB169207BS | PB169207BS | EPH_NF | 30.01 | N/A | ritesh | RUPESH | 2 | | | 2 |
| PB169207BSD | PB169207BSD | EPH_NF | 30.02 | N/A | ritesh | RUPESH | 2 | | | 3 |
| Q2818-01 | B-2-5-1 | EPH_NF | 30.06 | N/A | ritesh | RUPESH | 2 | B | | 4 |
| Q2818-02 | B-3-5-2 | EPH_NF | 30.04 | N/A | ritesh | RUPESH | 2 | B | | 5 |
| Q2823-01 | SU-04-081125 | EPH_NF | 30.10 | N/A | ritesh | RUPESH | 2 | E | | 6 |
| Q2823-02 | SU-04-081125-E2 | EPH_NF | 30.08 | N/A | ritesh | RUPESH | 2 | | | U2-1 |
| Q2826-01 | WC1 | EPH_NF | 30.06 | N/A | ritesh | RUPESH | 2 | | | 2 |
| Q2827-01 | TP-8 | EPH_NF | 30.09 | N/A | ritesh | RUPESH | 2 | E | | 3 |
| Q2827-02 | TP-8-EPH | EPH_NF | 30.07 | N/A | ritesh | RUPESH | 2 | | | 4 |
| Q2827-05 | TP-9 | EPH_NF | 30.03 | N/A | ritesh | RUPESH | 2 | E | Gasoline Smell | 5 |
| Q2827-06 | TP-9-EPH | EPH_NF | 30.06 | N/A | ritesh | RUPESH | 2 | | Gasoline Smell | 6 |
| Q2830-01 | BIN0009-DRIVEWAY-TP-SOUTH-EAST | EPH_NF | 30.09 | N/A | ritesh | RUPESH | 2 | E | | U3-1 |
| Q2830-02 | BIN0009-DRIVEWAY-TP-SOUTH-EAST | EPH_NF | 30.05 | N/A | ritesh | RUPESH | 2 | | | 2 |
| Q2830-03 | BIN0009-DRIVEWAY-TP-WEST | EPH_NF | 30.02 | N/A | ritesh | RUPESH | 2 | E | | 3 |
| Q2830-03DUP | BIN0009-DRIVEWAY-TP-WESTDUP | EPH_NF | 30.01 | N/A | ritesh | RUPESH | 2 | E | | 4 |
| Q2830-03MS | BIN0009-DRIVEWAY-TP-WESTMS | EPH_NF | 30.06 | N/A | ritesh | RUPESH | 2 | E | | 5 |
| Q2830-03MSD | BIN0009-DRIVEWAY-TP-WESTMSD | EPH_NF | 30.08 | N/A | ritesh | RUPESH | 2 | E | | 6 |
| Q2830-04 | BIN0009-DRIVEWAY-TP-WEST | EPH_NF | 30.07 | N/A | ritesh | RUPESH | 2 | | | U6-1 |
| Q2830-05 | BIN0009-DRIVEWAY-TP-WESTSIDE | EPH_NF | 30.04 | N/A | ritesh | RUPESH | 2 | E | | 2 |
| Q2830-06 | BIN0009-DRIVEWAY-TP-WESTSIDE | EPH_NF | 30.09 | N/A | ritesh | RUPESH | 2 | | | 3 |
| Q2830-07 | BIN0009-DRIVEWAY-TP-EASTSIDE | EPH_NF | 30.06 | N/A | ritesh | RUPESH | 2 | E | | 4 |
| Q2830-08 | BIN0009-DRIVEWAY-TP-EASTSIDE | EPH_NF | 30.02 | N/A | ritesh | RUPESH | 2 | | | 5 |
| Q2831-01 | VNJ-238 | EPH_NF | 30.07 | N/A | ritesh | RUPESH | 2 | B | | 6 |

RS 8/12

* **Extracts relinquished on the same date as received.**

16920 8:45

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** Q2823 **WorkList ID :** 191215 **Department :** Extraction **Date :** 08-12-2025 08:30:52

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q2818-01 | B-2-5-1 | Solid | EPH_NF | Cool 4 deg C | EARTH03 | J21 | 08/11/2025 | NJEPH |
| Q2818-02 | B-3-5-2 | Solid | EPH_NF | Cool 4 deg C | EARTH03 | J21 | 08/11/2025 | NJEPH |
| Q2823-01 | SU-04-081125 | Solid | EPH_NF | Cool 4 deg C | PSEG05 | D31 | 08/11/2025 | NJEPH |
| Q2823-02 | SU-04-081125-E2 | Solid | EPH_NF | Cool 4 deg C | PSEG05 | D31 | 08/11/2025 | NJEPH |
| Q2826-01 | WC1 | Solid | EPH_NF | Cool 4 deg C | GENV01 | D31 | 08/11/2025 | NJEPH |
| Q2827-01 | TP-8 | Solid | EPH_NF | Cool 4 deg C | PSEG03 | D31 | 08/11/2025 | NJEPH |
| Q2827-02 | TP-8-EPH | Solid | EPH_NF | Cool 4 deg C | PSEG03 | D31 | 08/11/2025 | NJEPH |
| Q2827-05 | TP-9 | Solid | EPH_NF | Cool 4 deg C | PSEG03 | D31 | 08/11/2025 | NJEPH |
| Q2827-06 | TP-9-EPH | Solid | EPH_NF | Cool 4 deg C | PSEG03 | D31 | 08/11/2025 | NJEPH |
| Q2830-01 | BIN0009-DRIVEWAY-TP-SOUT | Solid | EPH_NF | Cool 4 deg C | PSEG03 | D31 | 08/11/2025 | NJEPH |
| Q2830-02 | BIN0009-DRIVEWAY-TP-SOUT | Solid | EPH_NF | Cool 4 deg C | PSEG03 | D31 | 08/11/2025 | NJEPH |
| Q2830-03 | BIN0009-DRIVEWAY-TP-WEST | Solid | EPH_NF | Cool 4 deg C | PSEG03 | D31 | 08/11/2025 | NJEPH |
| Q2830-04 | BIN0009-DRIVEWAY-TP-WEST | Solid | EPH_NF | Cool 4 deg C | PSEG03 | D31 | 08/11/2025 | NJEPH |
| Q2830-05 | BIN0009-DRIVEWAY-TP-WEST | Solid | EPH_NF | Cool 4 deg C | PSEG03 | D31 | 08/11/2025 | NJEPH |
| Q2830-06 | BIN0009-DRIVEWAY-TP-WEST | Solid | EPH_NF | Cool 4 deg C | PSEG03 | D31 | 08/11/2025 | NJEPH |
| Q2830-07 | BIN0009-DRIVEWAY-TP-EAST | Solid | EPH_NF | Cool 4 deg C | PSEG03 | D31 | 08/11/2025 | NJEPH |
| Q2830-08 | BIN0009-DRIVEWAY-TP-EAST | Solid | EPH_NF | Cool 4 deg C | PSEG03 | D31 | 08/11/2025 | NJEPH |
| Q2831-01 | VNJ-238 | Solid | EPH_NF | Cool 4 deg C | PSEG03 | D21 | 08/11/2025 | NJEPH |

**Date/Time** 08/12/25 8:40
**Raw Sample Received by:** RJ LEAL-(ACB)
**Raw Sample Relinquished by:**



**Date/Time** 08/12/25 9:10
**Raw Sample Received by:**
**Raw Sample Relinquished by:** RJ LEAL-(ACB)

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

# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q2826 | **OrderDate:** | 8/11/2025 2:06:00 PM |
| **Client:** | G Environmental | **Project:** | Ave B |
| **Contact:** | Gary Landis | **Location:** | --Select--,D31,VOA Ref. #2 Soil |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q2826-01** | **WC1** | **Solid** | | | **08/11/25** | | | **08/11/25** |
| | | | EPH_NF | NJEPH | | 08/12/25 | 08/12/25 | |

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Fax : 908 789 8922

# Hit Summary Sheet
**SW-846**

**SDG No.:** Q2826 **Order ID:** Q2826

**Client:** G Environmental **Project ID:** Ave B

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID : WC1** | | | | | | | | |
| Q2826-01 | WC1 | SOIL | Aluminum | 6680 | | 0.87 | 5.18 | mg/Kg |
| Q2826-01 | WC1 | SOIL | Antimony | 0.34 | J | 0.23 | 2.59 | mg/Kg |
| Q2826-01 | WC1 | SOIL | Arsenic | 7.23 | | 0.20 | 1.04 | mg/Kg |
| Q2826-01 | WC1 | SOIL | Barium | 81.2 | | 0.76 | 5.18 | mg/Kg |
| Q2826-01 | WC1 | SOIL | Beryllium | 0.48 | | 0.026 | 0.31 | mg/Kg |
| Q2826-01 | WC1 | SOIL | Cadmium | 2.09 | | 0.025 | 0.31 | mg/Kg |
| Q2826-01 | WC1 | SOIL | Calcium | 19100 | | 11.5 | 104 | mg/Kg |
| Q2826-01 | WC1 | SOIL | Chromium | 131 | | 0.049 | 0.52 | mg/Kg |
| Q2826-01 | WC1 | SOIL | Cobalt | 6.34 | | 0.10 | 1.55 | mg/Kg |
| Q2826-01 | WC1 | SOIL | Copper | 178 | | 0.23 | 1.04 | mg/Kg |
| Q2826-01 | WC1 | SOIL | Iron | 14600 | | 4.14 | 5.18 | mg/Kg |
| Q2826-01 | WC1 | SOIL | Lead | 124 | | 0.14 | 0.62 | mg/Kg |
| Q2826-01 | WC1 | SOIL | Magnesium | 5020 | | 12.4 | 104 | mg/Kg |
| Q2826-01 | WC1 | SOIL | Manganese | 365 | | 0.14 | 1.04 | mg/Kg |
| Q2826-01 | WC1 | SOIL | Mercury | 0.14 | | 0.0090 | 0.016 | mg/Kg |
| Q2826-01 | WC1 | SOIL | Nickel | 350 | | 0.14 | 2.07 | mg/Kg |
| Q2826-01 | WC1 | SOIL | Potassium | 1150 | | 28.7 | 104 | mg/Kg |
| Q2826-01 | WC1 | SOIL | Selenium | 0.65 | J | 0.27 | 1.04 | mg/Kg |
| Q2826-01 | WC1 | SOIL | Silver | 0.65 | | 0.12 | 0.52 | mg/Kg |
| Q2826-01 | WC1 | SOIL | Sodium | 341 | | 18.5 | 104 | mg/Kg |
| Q2826-01 | WC1 | SOIL | Vanadium | 17.5 | | 0.26 | 2.07 | mg/Kg |
| Q2826-01 | WC1 | SOIL | Zinc | 169 | | 0.24 | 2.07 | mg/Kg |

# SAMPLE DATA

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 08/11/25 |
| Project: | Ave B | Date Received: | 08/11/25 |
| Client Sample ID: | WC1 | SDG No.: | Q2826 |
| Lab Sample ID: | Q2826-01 | Matrix: | SOIL |
| Level (low/med): | low | % Solid: | 88.1 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units(Dry Weight) | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | Aluminum | 6680 | | 1 | 0.87 | 5.18 | mg/Kg | 08/12/25 12:55 | 08/13/25 16:35 | 6010D | SW3050 |
| 7440-36-0 | Antimony | 0.34 | JN | 1 | 0.23 | 2.59 | mg/Kg | 08/12/25 12:55 | 08/13/25 16:35 | 6010D | SW3050 |
| 7440-38-2 | Arsenic | 7.23 | N | 1 | 0.20 | 1.04 | mg/Kg | 08/12/25 12:55 | 08/13/25 16:35 | 6010D | SW3050 |
| 7440-39-3 | Barium | 81.2 | | 1 | 0.76 | 5.18 | mg/Kg | 08/12/25 12:55 | 08/13/25 16:35 | 6010D | SW3050 |
| 7440-41-7 | Beryllium | 0.48 | N | 1 | 0.026 | 0.31 | mg/Kg | 08/12/25 12:55 | 08/13/25 16:35 | 6010D | SW3050 |
| 7440-43-9 | Cadmium | 2.09 | | 1 | 0.025 | 0.31 | mg/Kg | 08/12/25 12:55 | 08/13/25 16:35 | 6010D | SW3050 |
| 7440-70-2 | Calcium | 19100 | | 1 | 11.5 | 104 | mg/Kg | 08/12/25 12:55 | 08/13/25 16:35 | 6010D | SW3050 |
| 7440-47-3 | Chromium | 131 | N | 1 | 0.049 | 0.52 | mg/Kg | 08/12/25 12:55 | 08/13/25 16:35 | 6010D | SW3050 |
| 7440-48-4 | Cobalt | 6.34 | | 1 | 0.10 | 1.55 | mg/Kg | 08/12/25 12:55 | 08/13/25 16:35 | 6010D | SW3050 |
| 7440-50-8 | Copper | 178 | | 1 | 0.23 | 1.04 | mg/Kg | 08/12/25 12:55 | 08/13/25 16:35 | 6010D | SW3050 |
| 7439-89-6 | Iron | 14600 | * | 1 | 4.14 | 5.18 | mg/Kg | 08/12/25 12:55 | 08/13/25 16:35 | 6010D | SW3050 |
| 7439-92-1 | Lead | 124 | | 1 | 0.14 | 0.62 | mg/Kg | 08/12/25 12:55 | 08/13/25 16:35 | 6010D | SW3050 |
| 7439-95-4 | Magnesium | 5020 | | 1 | 12.4 | 104 | mg/Kg | 08/12/25 12:55 | 08/13/25 16:35 | 6010D | SW3050 |
| 7439-96-5 | Manganese | 365 | | 1 | 0.14 | 1.04 | mg/Kg | 08/12/25 12:55 | 08/13/25 16:35 | 6010D | SW3050 |
| 7439-97-6 | Mercury | 0.14 | | 1 | 0.0090 | 0.016 | mg/Kg | 08/11/25 16:30 | 08/12/25 11:38 | 7471B | |
| 7440-02-0 | Nickel | 350 | | 1 | 0.14 | 2.07 | mg/Kg | 08/12/25 12:55 | 08/13/25 16:35 | 6010D | SW3050 |
| 7440-09-7 | Potassium | 1150 | N | 1 | 28.7 | 104 | mg/Kg | 08/12/25 12:55 | 08/13/25 16:35 | 6010D | SW3050 |
| 7782-49-2 | Selenium | 0.65 | JN | 1 | 0.27 | 1.04 | mg/Kg | 08/12/25 12:55 | 08/13/25 16:35 | 6010D | SW3050 |
| 7440-22-4 | Silver | 0.65 | N | 1 | 0.12 | 0.52 | mg/Kg | 08/12/25 12:55 | 08/13/25 16:35 | 6010D | SW3050 |
| 7440-23-5 | Sodium | 341 | | 1 | 18.5 | 104 | mg/Kg | 08/12/25 12:55 | 08/13/25 16:35 | 6010D | SW3050 |
| 7440-28-0 | Thallium | 0.24 | UN | 1 | 0.24 | 2.07 | mg/Kg | 08/12/25 12:55 | 08/13/25 16:35 | 6010D | SW3050 |
| 7440-62-2 | Vanadium | 17.5 | N* | 1 | 0.26 | 2.07 | mg/Kg | 08/12/25 12:55 | 08/13/25 16:35 | 6010D | SW3050 |
| 7440-66-6 | Zinc | 169 | | 1 | 0.24 | 2.07 | mg/Kg | 08/12/25 12:55 | 08/13/25 16:35 | 6010D | SW3050 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Brown | Clarity Before: | | Texture: | Medium |
| Color After: | Yellow | Clarity After: | | Artifacts: | |
| Comments: | METALS-TAL | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**Contract:** GENV01 **Lab Code:** ACE

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **ICB08** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 08/12/2025 | 10:01 | LB136782 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**Contract:** GENV01 **Lab Code:** ACE

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB22** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 08/12/2025 | 10:08 | LB136782 |
| **CCB23** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 08/12/2025 | 11:21 | LB136782 |
| **CCB24** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 08/12/2025 | 11:54 | LB136782 |
| **CCB25** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 08/12/2025 | 12:37 | LB136782 |
| **CCB26** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 08/12/2025 | 13:00 | LB136782 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**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 | 08/13/2025 | 12:33 | LB136801 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 08/13/2025 | 12:33 | LB136801 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 08/13/2025 | 12:33 | LB136801 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 08/13/2025 | 12:33 | LB136801 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 08/13/2025 | 12:33 | LB136801 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 08/13/2025 | 12:33 | LB136801 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 08/13/2025 | 12:33 | LB136801 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 08/13/2025 | 12:33 | LB136801 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 08/13/2025 | 12:33 | LB136801 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 08/13/2025 | 12:33 | LB136801 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 08/13/2025 | 12:33 | LB136801 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 08/13/2025 | 12:33 | LB136801 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 08/13/2025 | 12:33 | LB136801 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 08/13/2025 | 12:33 | LB136801 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 08/13/2025 | 12:33 | LB136801 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 08/13/2025 | 12:33 | LB136801 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 08/13/2025 | 12:33 | LB136801 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 08/13/2025 | 12:33 | LB136801 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 08/13/2025 | 12:33 | LB136801 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 08/13/2025 | 12:33 | LB136801 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 08/13/2025 | 12:33 | LB136801 |
| | Zinc | 16.7 | +/-20 | U | 40.0 | P | 08/13/2025 | 12:33 | LB136801 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**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 | 08/13/2025 | 13:03 | LB136801 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 08/13/2025 | 13:03 | LB136801 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 08/13/2025 | 13:03 | LB136801 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 08/13/2025 | 13:03 | LB136801 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 08/13/2025 | 13:03 | LB136801 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 08/13/2025 | 13:03 | LB136801 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 08/13/2025 | 13:03 | LB136801 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 08/13/2025 | 13:03 | LB136801 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 08/13/2025 | 13:03 | LB136801 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 08/13/2025 | 13:03 | LB136801 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 08/13/2025 | 13:03 | LB136801 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 08/13/2025 | 13:03 | LB136801 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 08/13/2025 | 13:03 | LB136801 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 08/13/2025 | 13:03 | LB136801 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 08/13/2025 | 13:03 | LB136801 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 08/13/2025 | 13:03 | LB136801 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 08/13/2025 | 13:03 | LB136801 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 08/13/2025 | 13:03 | LB136801 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 08/13/2025 | 13:03 | LB136801 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 08/13/2025 | 13:03 | LB136801 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 08/13/2025 | 13:03 | LB136801 |
| | Zinc | 16.7 | +/-20 | U | 40.0 | P | 08/13/2025 | 13:03 | LB136801 |
| **CCB02** | Aluminum | 11.3 | +/-50 | U | 100 | P | 08/13/2025 | 13:46 | LB136801 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 08/13/2025 | 13:46 | LB136801 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 08/13/2025 | 13:46 | LB136801 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 08/13/2025 | 13:46 | LB136801 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 08/13/2025 | 13:46 | LB136801 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 08/13/2025 | 13:46 | LB136801 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 08/13/2025 | 13:46 | LB136801 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 08/13/2025 | 13:46 | LB136801 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 08/13/2025 | 13:46 | LB136801 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 08/13/2025 | 13:46 | LB136801 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 08/13/2025 | 13:46 | LB136801 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 08/13/2025 | 13:46 | LB136801 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 08/13/2025 | 13:46 | LB136801 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 08/13/2025 | 13:46 | LB136801 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 08/13/2025 | 13:46 | LB136801 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 08/13/2025 | 13:46 | LB136801 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 08/13/2025 | 13:46 | LB136801 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**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 | 08/13/2025 | 13:46 | LB136801 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 08/13/2025 | 13:46 | LB136801 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 08/13/2025 | 13:46 | LB136801 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 08/13/2025 | 13:46 | LB136801 |
| | Zinc | 16.7 | +/-20 | U | 40.0 | P | 08/13/2025 | 13:46 | LB136801 |
| **CCB03** | Aluminum | 11.3 | +/-50 | U | 100 | P | 08/13/2025 | 14:37 | LB136801 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 08/13/2025 | 14:37 | LB136801 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 08/13/2025 | 14:37 | LB136801 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 08/13/2025 | 14:37 | LB136801 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 08/13/2025 | 14:37 | LB136801 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 08/13/2025 | 14:37 | LB136801 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 08/13/2025 | 14:37 | LB136801 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 08/13/2025 | 14:37 | LB136801 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 08/13/2025 | 14:37 | LB136801 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 08/13/2025 | 14:37 | LB136801 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 08/13/2025 | 14:37 | LB136801 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 08/13/2025 | 14:37 | LB136801 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 08/13/2025 | 14:37 | LB136801 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 08/13/2025 | 14:37 | LB136801 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 08/13/2025 | 14:37 | LB136801 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 08/13/2025 | 14:37 | LB136801 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 08/13/2025 | 14:37 | LB136801 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 08/13/2025 | 14:37 | LB136801 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 08/13/2025 | 14:37 | LB136801 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 08/13/2025 | 14:37 | LB136801 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 08/13/2025 | 14:37 | LB136801 |
| | Zinc | 16.7 | +/-20 | U | 40.0 | P | 08/13/2025 | 14:37 | LB136801 |
| **CCB04** | Aluminum | 11.3 | +/-50 | U | 100 | P | 08/13/2025 | 15:27 | LB136801 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 08/13/2025 | 15:27 | LB136801 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 08/13/2025 | 15:27 | LB136801 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 08/13/2025 | 15:27 | LB136801 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 08/13/2025 | 15:27 | LB136801 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 08/13/2025 | 15:27 | LB136801 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 08/13/2025 | 15:27 | LB136801 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 08/13/2025 | 15:27 | LB136801 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 08/13/2025 | 15:27 | LB136801 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 08/13/2025 | 15:27 | LB136801 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 08/13/2025 | 15:27 | LB136801 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 08/13/2025 | 15:27 | LB136801 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**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 | 08/13/2025 | 15:27 | LB136801 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 08/13/2025 | 15:27 | LB136801 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 08/13/2025 | 15:27 | LB136801 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 08/13/2025 | 15:27 | LB136801 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 08/13/2025 | 15:27 | LB136801 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 08/13/2025 | 15:27 | LB136801 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 08/13/2025 | 15:27 | LB136801 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 08/13/2025 | 15:27 | LB136801 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 08/13/2025 | 15:27 | LB136801 |
| | Zinc | 16.7 | +/-20 | U | 40.0 | P | 08/13/2025 | 15:27 | LB136801 |
| **CCB05** | Aluminum | 11.3 | +/-50 | U | 100 | P | 08/13/2025 | 16:19 | LB136801 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 08/13/2025 | 16:19 | LB136801 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 08/13/2025 | 16:19 | LB136801 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 08/13/2025 | 16:19 | LB136801 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 08/13/2025 | 16:19 | LB136801 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 08/13/2025 | 16:19 | LB136801 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 08/13/2025 | 16:19 | LB136801 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 08/13/2025 | 16:19 | LB136801 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 08/13/2025 | 16:19 | LB136801 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 08/13/2025 | 16:19 | LB136801 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 08/13/2025 | 16:19 | LB136801 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 08/13/2025 | 16:19 | LB136801 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 08/13/2025 | 16:19 | LB136801 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 08/13/2025 | 16:19 | LB136801 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 08/13/2025 | 16:19 | LB136801 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 08/13/2025 | 16:19 | LB136801 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 08/13/2025 | 16:19 | LB136801 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 08/13/2025 | 16:19 | LB136801 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 08/13/2025 | 16:19 | LB136801 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 08/13/2025 | 16:19 | LB136801 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 08/13/2025 | 16:19 | LB136801 |
| | Zinc | 16.7 | +/-20 | U | 40.0 | P | 08/13/2025 | 16:19 | LB136801 |
| **CCB06** | Aluminum | 11.3 | +/-50 | U | 100 | P | 08/13/2025 | 17:09 | LB136801 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 08/13/2025 | 17:09 | LB136801 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 08/13/2025 | 17:09 | LB136801 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 08/13/2025 | 17:09 | LB136801 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 08/13/2025 | 17:09 | LB136801 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 08/13/2025 | 17:09 | LB136801 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 08/13/2025 | 17:09 | LB136801 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**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 | 08/13/2025 | 17:09 | LB136801 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 08/13/2025 | 17:09 | LB136801 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 08/13/2025 | 17:09 | LB136801 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 08/13/2025 | 17:09 | LB136801 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 08/13/2025 | 17:09 | LB136801 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 08/13/2025 | 17:09 | LB136801 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 08/13/2025 | 17:09 | LB136801 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 08/13/2025 | 17:09 | LB136801 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 08/13/2025 | 17:09 | LB136801 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 08/13/2025 | 17:09 | LB136801 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 08/13/2025 | 17:09 | LB136801 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 08/13/2025 | 17:09 | LB136801 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 08/13/2025 | 17:09 | LB136801 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 08/13/2025 | 17:09 | LB136801 |
| | Zinc | 16.7 | +/-20 | U | 40.0 | P | 08/13/2025 | 17:09 | LB136801 |
| **CCB07** | Aluminum | 11.3 | +/-50 | U | 100 | P | 08/13/2025 | 17:50 | LB136801 |
| | Antimony | 6.76 | +/-25 | U | 50.0 | P | 08/13/2025 | 17:50 | LB136801 |
| | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 08/13/2025 | 17:50 | LB136801 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 08/13/2025 | 17:50 | LB136801 |
| | Beryllium | 0.56 | +/-3 | U | 6.00 | P | 08/13/2025 | 17:50 | LB136801 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 08/13/2025 | 17:50 | LB136801 |
| | Calcium | 234 | +/-1000 | U | 2000 | P | 08/13/2025 | 17:50 | LB136801 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 08/13/2025 | 17:50 | LB136801 |
| | Cobalt | 2.26 | +/-15 | U | 30.0 | P | 08/13/2025 | 17:50 | LB136801 |
| | Copper | 4.60 | +/-10 | U | 20.0 | P | 08/13/2025 | 17:50 | LB136801 |
| | Iron | 23.4 | +/-50 | U | 100 | P | 08/13/2025 | 17:50 | LB136801 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 08/13/2025 | 17:50 | LB136801 |
| | Magnesium | 244 | +/-1000 | U | 2000 | P | 08/13/2025 | 17:50 | LB136801 |
| | Manganese | 5.94 | +/-10 | U | 20.0 | P | 08/13/2025 | 17:50 | LB136801 |
| | Nickel | 3.06 | +/-20 | U | 40.0 | P | 08/13/2025 | 17:50 | LB136801 |
| | Potassium | 918 | +/-1000 | U | 2000 | P | 08/13/2025 | 17:50 | LB136801 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 08/13/2025 | 17:50 | LB136801 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 08/13/2025 | 17:50 | LB136801 |
| | Sodium | 868 | +/-1000 | U | 2000 | P | 08/13/2025 | 17:50 | LB136801 |
| | Thallium | 4.38 | +/-20 | U | 40.0 | P | 08/13/2025 | 17:50 | LB136801 |
| | Vanadium | 6.26 | +/-20 | U | 40.0 | P | 08/13/2025 | 17:50 | LB136801 |
| | Zinc | 16.7 | +/-20 | U | 40.0 | P | 08/13/2025 | 17:50 | LB136801 |

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# Metals
## - 3b -
## PREPARATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**Instrument:** CV1

| Sample ID | Analyte | Result (mg/Kg) | Acceptance Limit | Conc Qual | CRQL mg/Kg | M | Analysis Date | Analysis Time | Run |
|---|---|---|---|---|---|---|---|---|---|
| **PB169204BL** | | **SOLID** | | **Batch Number:** | **PB169204** | | **Prep Date:** | **08/11/2025** | |
| | Mercury | 0.0080 | <0.014 | U | 0.014 | CV | 08/12/2025 | 10:46 | LB136782 |

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# Metals
## - 3b -
## PREPARATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**Instrument:** P4

| Sample ID | Analyte | Result (mg/Kg) | Acceptance Limit | Conc Qual | CRQL mg/Kg | M | Analysis Date | Analysis Time | Run |
|---|---|---|---|---|---|---|---|---|---|
| **PB169211BL** | | **SOLID** | | **Batch Number:** | **PB169211** | | **Prep Date:** | **08/12/2025** | |
| | Aluminum | 0.84 | <2.5 | U | 5.00 | P | 08/13/2025 | 15:06 | LB136801 |
| | Antimony | 0.22 | <1.25 | U | 2.50 | P | 08/13/2025 | 15:06 | LB136801 |
| | Arsenic | 0.19 | <0.5 | U | 1.00 | P | 08/13/2025 | 15:06 | LB136801 |
| | Barium | 0.73 | <2.5 | U | 5.00 | P | 08/13/2025 | 15:06 | LB136801 |
| | Beryllium | 0.025 | <0.15 | U | 0.30 | P | 08/13/2025 | 15:06 | LB136801 |
| | Cadmium | 0.024 | <0.15 | U | 0.30 | P | 08/13/2025 | 15:06 | LB136801 |
| | Calcium | 11.1 | <50 | U | 100 | P | 08/13/2025 | 15:06 | LB136801 |
| | Chromium | 0.047 | <0.25 | U | 0.50 | P | 08/13/2025 | 15:06 | LB136801 |
| | Cobalt | 0.10 | <0.75 | U | 1.50 | P | 08/13/2025 | 15:06 | LB136801 |
| | Copper | 0.22 | <0.5 | U | 1.00 | P | 08/13/2025 | 15:06 | LB136801 |
| | Iron | 3.99 | <2.5 | U | 5.00 | P | 08/13/2025 | 15:06 | LB136801 |
| | Lead | 0.13 | <0.3 | U | 0.60 | P | 08/13/2025 | 15:06 | LB136801 |
| | Magnesium | 12.0 | <50 | U | 100 | P | 08/13/2025 | 15:06 | LB136801 |
| | Manganese | 0.14 | <0.5 | U | 1.00 | P | 08/13/2025 | 15:06 | LB136801 |
| | Nickel | 0.13 | <1 | U | 2.00 | P | 08/13/2025 | 15:06 | LB136801 |
| | Potassium | 27.7 | <50 | U | 100 | P | 08/13/2025 | 15:06 | LB136801 |
| | Selenium | 0.26 | <0.5 | U | 1.00 | P | 08/13/2025 | 15:06 | LB136801 |
| | Silver | 0.12 | <0.25 | U | 0.50 | P | 08/13/2025 | 15:06 | LB136801 |
| | Sodium | 17.8 | <50 | U | 100 | P | 08/13/2025 | 15:06 | LB136801 |
| | Thallium | 0.23 | <1 | U | 2.00 | P | 08/13/2025 | 15:06 | LB136801 |
| | Vanadium | 0.25 | <1 | U | 2.00 | P | 08/13/2025 | 15:06 | LB136801 |
| | Zinc | 0.23 | <1 | U | 2.00 | P | 08/13/2025 | 15:06 | LB136801 |

# METAL CALIBRATION DATA

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2826

**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 |
|---|---|---|---|---|---|---|---|---|---|
| ICV08 | Mercury | 4.39 | 4.0 | 110 | 90 - 110 | CV | 08/12/2025 | 09:56 | LB136782 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2826

**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 |
|---|---|---|---|---|---|---|---|---|---|
| CCV22 | Mercury | 5.22 | 5.0 | 104 | 90 - 110 | CV | 08/12/2025 | 10:03 | LB136782 |
| CCV23 | Mercury | 5.26 | 5.0 | 105 | 90 - 110 | CV | 08/12/2025 | 11:11 | LB136782 |
| CCV24 | Mercury | 5.28 | 5.0 | 106 | 90 - 110 | CV | 08/12/2025 | 11:51 | LB136782 |
| CCV25 | Mercury | 5.14 | 5.0 | 103 | 90 - 110 | CV | 08/12/2025 | 12:32 | LB136782 |
| CCV26 | Mercury | 4.84 | 5.0 | 97 | 90 - 110 | CV | 08/12/2025 | 12:55 | LB136782 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2826

**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 | 7680 | 8000 | 96 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Antimony | 4000 | 4000 | 100 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Arsenic | 3870 | 4000 | 97 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Barium | 7790 | 8000 | 97 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Beryllium | 189 | 200 | 95 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Cadmium | 1920 | 2000 | 96 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Calcium | 19200 | 20000 | 96 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Chromium | 788 | 800 | 98 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Cobalt | 1950 | 2000 | 98 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Copper | 997 | 1000 | 100 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Iron | 3950 | 4000 | 99 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Lead | 3770 | 4000 | 94 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Magnesium | 19100 | 20000 | 96 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Manganese | 1920 | 2000 | 96 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Nickel | 1950 | 2000 | 97 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Potassium | 19400 | 20000 | 97 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Selenium | 3880 | 4000 | 97 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Silver | 1030 | 1000 | 103 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Sodium | 19100 | 20000 | 96 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Thallium | 3750 | 4000 | 94 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Vanadium | 1940 | 2000 | 97 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Zinc | 1950 | 2000 | 98 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2826

**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 | 95.1 | 100 | 95 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Antimony | 50.1 | 50.0 | 100 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Arsenic | 21.3 | 20.0 | 106 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Barium | 94.7 | 100 | 95 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Beryllium | 6.08 | 6.0 | 101 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Cadmium | 5.59 | 6.0 | 93 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Calcium | 2040 | 2000 | 102 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Chromium | 10.5 | 10.0 | 105 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Cobalt | 29.4 | 30.0 | 98 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Copper | 21.3 | 20.0 | 107 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Iron | 107 | 100 | 107 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Lead | 11.2 | 12.0 | 93 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Magnesium | 2120 | 2000 | 106 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Manganese | 21.0 | 20.0 | 105 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Nickel | 39.6 | 40.0 | 99 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Potassium | 1990 | 2000 | 100 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Selenium | 19.2 | 20.0 | 96 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Silver | 10.1 | 10.0 | 101 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Sodium | 1850 | 2000 | 92 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Thallium | 43.0 | 40.0 | 107 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Vanadium | 38.9 | 40.0 | 97 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Zinc | 42.4 | 40.0 | 106 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2826

**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 | 9630 | 10000 | 96 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Antimony | 4930 | 5000 | 99 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Arsenic | 4900 | 5000 | 98 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Barium | 9640 | 10000 | 96 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Beryllium | 240 | 250 | 96 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Cadmium | 2430 | 2500 | 97 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Calcium | 24100 | 25000 | 96 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Chromium | 1000 | 1000 | 100 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Cobalt | 2420 | 2500 | 97 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Copper | 1230 | 1250 | 98 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Iron | 5030 | 5000 | 101 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Lead | 4860 | 5000 | 97 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Magnesium | 24000 | 25000 | 96 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Manganese | 2390 | 2500 | 96 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Nickel | 2430 | 2500 | 97 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Potassium | 25000 | 25000 | 100 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Selenium | 4930 | 5000 | 98 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Silver | 1230 | 1250 | 99 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Sodium | 24600 | 25000 | 99 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Thallium | 4820 | 5000 | 96 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Vanadium | 2420 | 2500 | 97 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Zinc | 2490 | 2500 | 99 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| CCV02 | Aluminum | 9700 | 10000 | 97 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Antimony | 4970 | 5000 | 99 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Arsenic | 4950 | 5000 | 99 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Barium | 9660 | 10000 | 97 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Beryllium | 240 | 250 | 96 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Cadmium | 2430 | 2500 | 97 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Calcium | 24200 | 25000 | 97 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Chromium | 987 | 1000 | 99 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Cobalt | 2430 | 2500 | 97 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Copper | 1230 | 1250 | 99 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Iron | 4980 | 5000 | 100 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Lead | 4850 | 5000 | 97 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2826

**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 | 24100 | 25000 | 96 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Manganese | 2420 | 2500 | 97 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Nickel | 2430 | 2500 | 97 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Potassium | 24600 | 25000 | 98 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Selenium | 4980 | 5000 | 100 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Silver | 1240 | 1250 | 99 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Sodium | 24100 | 25000 | 96 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Thallium | 4960 | 5000 | 99 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Vanadium | 2450 | 2500 | 98 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Zinc | 2460 | 2500 | 98 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| CCV03 | Aluminum | 9650 | 10000 | 96 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Antimony | 5020 | 5000 | 100 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Arsenic | 4990 | 5000 | 100 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Barium | 9670 | 10000 | 97 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Beryllium | 238 | 250 | 95 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Cadmium | 2430 | 2500 | 97 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Calcium | 24100 | 25000 | 96 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Chromium | 993 | 1000 | 99 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Cobalt | 2430 | 2500 | 97 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Copper | 1240 | 1250 | 99 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Iron | 5010 | 5000 | 100 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Lead | 4860 | 5000 | 97 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Magnesium | 23900 | 25000 | 96 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Manganese | 2390 | 2500 | 96 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Nickel | 2440 | 2500 | 98 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Potassium | 24700 | 25000 | 99 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Selenium | 5020 | 5000 | 100 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Silver | 1240 | 1250 | 99 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Sodium | 23300 | 25000 | 93 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Thallium | 4820 | 5000 | 96 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Vanadium | 2450 | 2500 | 98 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Zinc | 2480 | 2500 | 99 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| CCV04 | Aluminum | 9760 | 10000 | 98 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Antimony | 5060 | 5000 | 101 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |

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# Metals

## - 2a -
## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2826

**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 | 5010 | 5000 | 100 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Barium | 9660 | 10000 | 97 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Beryllium | 239 | 250 | 96 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Cadmium | 2430 | 2500 | 97 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Calcium | 24300 | 25000 | 97 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Chromium | 991 | 1000 | 99 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Cobalt | 2430 | 2500 | 97 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Copper | 1240 | 1250 | 99 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Iron | 5000 | 5000 | 100 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Lead | 4860 | 5000 | 97 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Magnesium | 24200 | 25000 | 97 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Manganese | 2390 | 2500 | 96 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Nickel | 2440 | 2500 | 98 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Potassium | 24700 | 25000 | 99 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Selenium | 5070 | 5000 | 101 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Silver | 1240 | 1250 | 99 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Sodium | 23700 | 25000 | 95 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Thallium | 4760 | 5000 | 95 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Vanadium | 2470 | 2500 | 99 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Zinc | 2500 | 2500 | 100 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| CCV05 | Aluminum | 9690 | 10000 | 97 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Antimony | 5090 | 5000 | 102 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Arsenic | 5010 | 5000 | 100 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Barium | 9840 | 10000 | 98 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Beryllium | 235 | 250 | 94 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Cadmium | 2400 | 2500 | 96 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Calcium | 24100 | 25000 | 96 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Chromium | 991 | 1000 | 99 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Cobalt | 2420 | 2500 | 97 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Copper | 1240 | 1250 | 100 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Iron | 5090 | 5000 | 102 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Lead | 4810 | 5000 | 96 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Magnesium | 23800 | 25000 | 95 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Manganese | 2380 | 2500 | 95 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2826

**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 | 2430 | 2500 | 97 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Potassium | 25000 | 25000 | 100 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Selenium | 5070 | 5000 | 101 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Silver | 1250 | 1250 | 100 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Sodium | 23800 | 25000 | 95 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Thallium | 4540 | 5000 | 91 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Vanadium | 2460 | 2500 | 98 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Zinc | 2510 | 2500 | 101 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| CCV06 | Aluminum | 9690 | 10000 | 97 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Antimony | 5110 | 5000 | 102 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Arsenic | 5040 | 5000 | 101 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Barium | 9810 | 10000 | 98 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Beryllium | 238 | 250 | 95 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Cadmium | 2420 | 2500 | 97 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Calcium | 24100 | 25000 | 97 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Chromium | 988 | 1000 | 99 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Cobalt | 2430 | 2500 | 97 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Copper | 1250 | 1250 | 100 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Iron | 5070 | 5000 | 102 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Lead | 4850 | 5000 | 97 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Magnesium | 24000 | 25000 | 96 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Manganese | 2400 | 2500 | 96 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Nickel | 2440 | 2500 | 98 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Potassium | 24800 | 25000 | 99 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Selenium | 5150 | 5000 | 103 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Silver | 1260 | 1250 | 100 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Sodium | 23300 | 25000 | 93 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Thallium | 5380 | 5000 | 108 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Vanadium | 2460 | 2500 | 98 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Zinc | 2520 | 2500 | 101 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| CCV07 | Aluminum | 9840 | 10000 | 98 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Antimony | 5120 | 5000 | 102 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Arsenic | 5060 | 5000 | 101 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Barium | 9850 | 10000 | 98 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2826

**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 | 241 | 250 | 96 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Cadmium | 2440 | 2500 | 98 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Calcium | 24600 | 25000 | 98 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Chromium | 1010 | 1000 | 101 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Cobalt | 2450 | 2500 | 98 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Copper | 1250 | 1250 | 100 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Iron | 5140 | 5000 | 103 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Lead | 4880 | 5000 | 98 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Magnesium | 24400 | 25000 | 98 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Manganese | 2430 | 2500 | 97 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Nickel | 2460 | 2500 | 98 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Potassium | 24800 | 25000 | 99 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Selenium | 5160 | 5000 | 103 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Silver | 1260 | 1250 | 100 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Sodium | 23600 | 25000 | 95 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Thallium | 5360 | 5000 | 107 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Vanadium | 2490 | 2500 | 100 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Zinc | 2530 | 2500 | 101 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |

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# Metals

## - 2b -
## CRDL STANDARD FOR AA & ICP

**Client:** G Environmental **SDG No.:** Q2826

**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 | 0.23 | 0.2 | 113 | 70 - 130 | CV | 08/12/2025 | 10:34 | LB136782 |
| CRI01 | Aluminum | 92.9 | 100 | 93 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Antimony | 50.2 | 50.0 | 100 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Arsenic | 20.6 | 20.0 | 103 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Barium | 93.9 | 100 | 94 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Beryllium | 6.01 | 6.0 | 100 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Cadmium | 5.49 | 6.0 | 92 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Calcium | 2010 | 2000 | 100 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Chromium | 10.00 | 10.0 | 100 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Cobalt | 29.0 | 30.0 | 97 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Copper | 20.9 | 20.0 | 104 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Iron | 95.9 | 100 | 96 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Lead | 10.0 | 12.0 | 83 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Magnesium | 2120 | 2000 | 106 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Manganese | 20.8 | 20.0 | 104 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Nickel | 38.7 | 40.0 | 97 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Potassium | 1930 | 2000 | 97 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Selenium | 21.1 | 20.0 | 106 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Silver | 10.3 | 10.0 | 103 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Sodium | 1810 | 2000 | 91 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Thallium | 40.7 | 40.0 | 102 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Vanadium | 42.3 | 40.0 | 106 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Zinc | 41.0 | 40.0 | 102 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |

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# Metals
## - 4 -
## INTERFERENCE CHECK SAMPLE

**Client:** G Environmental **SDG No.:** Q2826

**Contract:** GENV01 **Lab Code:** ACE

**ICS Source:** EPA **Instrument ID:** P4

| Sample ID | Analyte | Result ug/L | True Value ug/L | % Recovery | Low Limit (ug/L) | High Limit (ug/L) | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| ICSA01 | Aluminum | 240000 | 255000 | 94 | 216000 | 294000 | 08/13/2025 | 12:41 | LB136801 |
| | Antimony | -4.82 | | | -50 | 50 | 08/13/2025 | 12:41 | LB136801 |
| | Arsenic | 13.5 | | | -20 | 20 | 08/13/2025 | 12:41 | LB136801 |
| | Barium | -0.47 | 6.0 | 8 | -94 | 106 | 08/13/2025 | 12:41 | LB136801 |
| | Beryllium | 1.31 | | | -6 | 6 | 08/13/2025 | 12:41 | LB136801 |
| | Cadmium | 2.33 | 1.0 | 233 | -5 | 7 | 08/13/2025 | 12:41 | LB136801 |
| | Calcium | 229000 | 245000 | 94 | 208000 | 282000 | 08/13/2025 | 12:41 | LB136801 |
| | Chromium | 58.2 | 52.0 | 112 | 42 | 62 | 08/13/2025 | 12:41 | LB136801 |
| | Cobalt | 1.85 | | | -30 | 30 | 08/13/2025 | 12:41 | LB136801 |
| | Copper | 4.82 | 2.0 | 241 | -18 | 22 | 08/13/2025 | 12:41 | LB136801 |
| | Iron | 99200 | 101000 | 98 | 85600 | 116500 | 08/13/2025 | 12:41 | LB136801 |
| | Lead | -6.38 | | | -12 | 12 | 08/13/2025 | 12:41 | LB136801 |
| | Magnesium | 243000 | 255000 | 95 | 216000 | 294000 | 08/13/2025 | 12:41 | LB136801 |
| | Manganese | 8.17 | 7.0 | 117 | -13 | 27 | 08/13/2025 | 12:41 | LB136801 |
| | Nickel | 5.22 | 2.0 | 261 | -38 | 42 | 08/13/2025 | 12:41 | LB136801 |
| | Potassium | -4.10 | | | 0 | 0 | 08/13/2025 | 12:41 | LB136801 |
| | Selenium | 2.91 | | | -20 | 20 | 08/13/2025 | 12:41 | LB136801 |
| | Silver | 2.33 | | | -10 | 10 | 08/13/2025 | 12:41 | LB136801 |
| | Sodium | 3.06 | | | 0 | 0 | 08/13/2025 | 12:41 | LB136801 |
| | Thallium | 2.91 | | | -40 | 40 | 08/13/2025 | 12:41 | LB136801 |
| | Vanadium | 3.65 | | | -40 | 40 | 08/13/2025 | 12:41 | LB136801 |
| | Zinc | 2.20 | | | -40 | 40 | 08/13/2025 | 12:41 | LB136801 |
| ICSAB01 | Aluminum | 247000 | 247000 | 100 | 209000 | 285000 | 08/13/2025 | 12:45 | LB136801 |
| | Antimony | 588 | 618 | 95 | 525 | 711 | 08/13/2025 | 12:45 | LB136801 |
| | Arsenic | 111 | 104 | 107 | 88.4 | 120 | 08/13/2025 | 12:45 | LB136801 |
| | Barium | 492 | 537 | 92 | 437 | 637 | 08/13/2025 | 12:45 | LB136801 |
| | Beryllium | 487 | 495 | 98 | 420 | 570 | 08/13/2025 | 12:45 | LB136801 |
| | Cadmium | 994 | 972 | 102 | 826 | 1120 | 08/13/2025 | 12:45 | LB136801 |
| | Calcium | 236000 | 235000 | 100 | 199000 | 271000 | 08/13/2025 | 12:45 | LB136801 |
| | Chromium | 558 | 542 | 103 | 460 | 624 | 08/13/2025 | 12:45 | LB136801 |
| | Cobalt | 498 | 476 | 105 | 404 | 548 | 08/13/2025 | 12:45 | LB136801 |
| | Copper | 486 | 511 | 95 | 434 | 588 | 08/13/2025 | 12:45 | LB136801 |
| | Iron | 102000 | 99300 | 103 | 84400 | 114500 | 08/13/2025 | 12:45 | LB136801 |
| | Lead | 42.2 | 49.0 | 86 | 37 | 61 | 08/13/2025 | 12:45 | LB136801 |
| | Magnesium | 250000 | 248000 | 101 | 210000 | 286000 | 08/13/2025 | 12:45 | LB136801 |
| | Manganese | 493 | 507 | 97 | 430 | 584 | 08/13/2025 | 12:45 | LB136801 |
| | Nickel | 992 | 954 | 104 | 810 | 1100 | 08/13/2025 | 12:45 | LB136801 |
| | Potassium | 42.9 | | | 0 | 0 | 08/13/2025 | 12:45 | LB136801 |
| | Selenium | 50.5 | 46.0 | 110 | 26 | 66 | 08/13/2025 | 12:45 | LB136801 |
| | Silver | 216 | 201 | 108 | 170 | 232 | 08/13/2025 | 12:45 | LB136801 |
| | Sodium | -3.58 | | | 0 | 0 | 08/13/2025 | 12:45 | LB136801 |
| | Thallium | 113 | 108 | 105 | 68 | 148 | 08/13/2025 | 12:45 | LB136801 |

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# Metals
## - 4 -
## INTERFERENCE CHECK SAMPLE

**Client:** G Environmental **SDG No.:** Q2826

**Contract:** GENV01 **Lab Code:** ACE

**ICS Source:** EPA **Instrument ID:** P4

| Sample ID | Analyte | Result ug/L | True Value ug/L | % Recovery | Low Limit (ug/L) | High Limit (ug/L) | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **ICSAB01** | Vanadium | 479 | 491 | 98 | 417 | 565 | 08/13/2025 | 12:45 | LB136801 |
| | Zinc | 1040 | 952 | 109 | 809 | 1095 | 08/13/2025 | 12:45 | LB136801 |

# METAL QC DATA

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# metals
## - 5a -
## MATRIX SPIKE SUMMARY

**client:** G Environmental **level:** low **sdg no.:** Q2826

**contract:** GENV01 **lab code:** ACE

**matrix:** Solid **sample id:** Q2828-01 **client id:** POWDERMS

**Percent Solids for Sample:** 99.4 **Spiked ID:** Q2828-01MS **Percent Solids for Spike Sample:** 99.4

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/Kg | 74 - 119 | 9300 | | 7750 | | 82.1 | 1892 | | P |
| Antimony | mg/Kg | 79 - 114 | 12.2 | | 4.95 | | 32.9 | 22 | N | P |
| Arsenic | mg/Kg | 82 - 111 | 17.9 | | 5.28 | | 32.9 | 38 | N | P |
| Barium | mg/Kg | 83 - 113 | 117 | | 123 | | 8.2 | -68 | | P |
| Beryllium | mg/Kg | 83 - 113 | 3.99 | | 0.95 | | 8.2 | 37 | N | P |
| Cadmium | mg/Kg | 82 - 113 | 12.5 | | 4.95 | | 8.2 | 93 | | P |
| Calcium | mg/Kg | 81 - 116 | 10400 | | 8670 | | 41.1 | 4260 | | P |
| Chromium | mg/Kg | 85 - 113 | 62.4 | | 60.9 | | 16.4 | 9 | N | P |
| Cobalt | mg/Kg | 85 - 112 | 47.2 | | 40.3 | | 8.2 | 84 | | P |
| Copper | mg/Kg | 81 - 117 | 80.6 | | 76.1 | | 12.3 | 37 | | P |
| Iron | mg/Kg | 81 - 118 | 10200 | | 12000 | | 120 | -1436 | | P |
| Lead | mg/Kg | 81 - 112 | 110 | | 71.4 | | 41.1 | 95 | | P |
| Magnesium | mg/Kg | 78 - 115 | 1470 | | 1200 | | 82.1 | 323 | | P |
| Manganese | mg/Kg | 84 - 114 | 219 | | 207 | | 8.2 | 147 | | P |
| Nickel | mg/Kg | 83 - 113 | 157 | | 143 | | 20.5 | 70 | | P |
| Potassium | mg/Kg | 81 - 116 | 551 | | 309 | | 410 | 59 | N | P |
| Selenium | mg/Kg | 78 - 111 | 30.0 | | 0.51 | J | 82.1 | 36 | N | P |
| Silver | mg/Kg | 82 - 112 | 3.22 | | 1.58 | | 3.1 | 53 | N | P |
| Sodium | mg/Kg | 83 - 118 | 1030 | | 872 | | 120 | 128 | | P |
| Thallium | mg/Kg | 83 - 111 | 67.0 | | 0.43 | J | 82.1 | 81 | N | P |
| Vanadium | mg/Kg | 82 - 114 | 56.1 | | 31.8 | | 12.3 | 197 | N | P |
| Zinc | mg/Kg | 82 - 113 | 244 | | 240 | | 8.2 | 46 | | P |

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# metals
## - 5a -
## MATRIX SPIKE DUPLICATE SUMMARY

**client:** G Environmental **level:** low **sdg no.:** Q2826

**contract:** GENV01 **lab code:** ACE

**matrix:** Solid **sample id:** Q2828-01 **client id:** POWDERMSD

**Percent Solids for Sample:** 99.4 **Spiked ID:** Q2828-01MSD **Percent Solids for Spike Sample:** 99.4

| Analyte | Units | Acceptance Limit %R | MSD Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/Kg | 74 - 119 | 10600 | | 7750 | | 87.5 | 3219 | | P |
| Antimony | mg/Kg | 79 - 114 | 10.5 | | 4.95 | | 35.0 | 16 | N | P |
| Arsenic | mg/Kg | 82 - 111 | 20.2 | | 5.28 | | 35.0 | 43 | N | P |
| Barium | mg/Kg | 83 - 113 | 120 | | 123 | | 8.7 | -28 | | P |
| Beryllium | mg/Kg | 83 - 113 | 4.64 | | 0.95 | | 8.7 | 43 | N | P |
| Cadmium | mg/Kg | 82 - 113 | 13.8 | | 4.95 | | 8.7 | 101 | | P |
| Calcium | mg/Kg | 81 - 116 | 12400 | | 8670 | | 43.7 | 8468 | | P |
| Chromium | mg/Kg | 85 - 113 | 76.4 | | 60.9 | | 17.5 | 88 | | P |
| Cobalt | mg/Kg | 85 - 112 | 52.6 | | 40.3 | | 8.7 | 142 | | P |
| Copper | mg/Kg | 81 - 117 | 84.2 | | 76.1 | | 13.1 | 61 | | P |
| Iron | mg/Kg | 81 - 118 | 12600 | | 12000 | | 130 | 492 | | P |
| Lead | mg/Kg | 81 - 112 | 116 | | 71.4 | | 43.7 | 102 | | P |
| Magnesium | mg/Kg | 78 - 115 | 1710 | | 1200 | | 87.5 | 575 | | P |
| Manganese | mg/Kg | 84 - 114 | 251 | | 207 | | 8.7 | 505 | | P |
| Nickel | mg/Kg | 83 - 113 | 178 | | 143 | | 21.9 | 163 | | P |
| Potassium | mg/Kg | 81 - 116 | 582 | | 309 | | 440 | 62 | N | P |
| Selenium | mg/Kg | 78 - 111 | 34.3 | | 0.51 | J | 87.5 | 39 | N | P |
| Silver | mg/Kg | 82 - 112 | 3.45 | | 1.58 | | 3.3 | 57 | N | P |
| Sodium | mg/Kg | 83 - 118 | 1050 | | 872 | | 130 | 141 | | P |
| Thallium | mg/Kg | 83 - 111 | 75.0 | | 0.43 | J | 87.5 | 85 | | P |
| Vanadium | mg/Kg | 82 - 114 | 41.4 | | 31.8 | | 13.1 | 73 | N | P |
| Zinc | mg/Kg | 82 - 113 | 250 | | 240 | | 8.7 | 115 | | P |

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# metals
## - 5a -
## MATRIX SPIKE SUMMARY

**client:** G Environmental **level:** low **sdg no.:** Q2826

**contract:** GENV01 **lab code:** ACE

**matrix:** Solid **sample id:** Q2831-01 **client id:** VNJ-238MS

**Percent Solids for Sample:** 93.1 **Spiked ID:** Q2831-01MS **Percent Solids for Spike Sample:** 93.1

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | mg/Kg | 80 - 124 | 0.29 | | 0.037 | | 0.26 | 97 | | CV |

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# metals
## - 5a -
## MATRIX SPIKE DUPLICATE SUMMARY

**client:** G Environmental **level:** low **sdg no.:** Q2826

**contract:** GENV01 **lab code:** ACE

**matrix:** Solid **sample id:** Q2831-01 **client id:** VNJ-238MSD

**Percent Solids for Sample:** 93.1 **Spiked ID:** Q2831-01MSD **Percent Solids for Spike Sample:** 93.1

| Analyte | Units | Acceptance Limit %R | MSD Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | mg/Kg | 80 - 124 | 0.30 | | 0.037 | | 0.28 | 92 | | CV |

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# Metals
## - 5b -
## POST DIGEST SPIKE SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**Contract:** GENV01 **Lab Code:** ACE

**Matrix:** Solid **Level:** LOW **Client ID:** POWDERA

**Sample ID:** Q2828-01 **Spiked ID:** Q2828-01A

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | mg/Kg | 79 - 114 | 23.9 | | 4.95 | | 37.3 | 51 | N | P |
| Arsenic | mg/Kg | 82 - 111 | 23.2 | | 5.28 | | 37.3 | 48 | N | P |
| Beryllium | mg/Kg | 83 - 113 | 5.02 | | 0.95 | | 9.30 | 44 | N | P |
| Chromium | mg/Kg | 85 - 113 | 68.9 | | 60.9 | | 18.6 | 43 | N | P |
| Potassium | mg/Kg | 81 - 116 | 575 | | 309 | | 470 | 57 | N | P |
| Selenium | mg/Kg | 78 - 111 | 44.6 | | 0.51 | J | 93.2 | 47 | N | P |
| Silver | mg/Kg | 82 - 112 | 3.46 | | 1.58 | | 3.50 | 54 | N | P |
| Thallium | mg/Kg | 83 - 111 | 80.5 | | 0.43 | J | 93.2 | 86 | | P |
| Vanadium | mg/Kg | 82 - 114 | 38.6 | | 31.8 | | 14.0 | 49 | N | P |

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# Metals

## - 6 -
## DUPLICATE SAMPLE SUMMARY

**Client:** G Environmental **Level:** LOW **SDG No.:** Q2826

**Contract:** GENV01 **Lab Code:** ACE

**Matrix:** Solid **Sample ID:** Q2828-01 **Client ID:** POWDERDUP

**Percent Solids for Sample:** 99.4 **Duplicate ID** Q2828-01DUP **Percent Solids for Spike Sample:** 99.4

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/Kg | 20 | 7750 | | 7150 | | 8 | | P |
| Antimony | mg/Kg | 20 | 4.95 | | 4.87 | | 2 | | P |
| Arsenic | mg/Kg | 20 | 5.28 | | 5.00 | | 5 | | P |
| Barium | mg/Kg | 20 | 123 | | 112 | | 9 | | P |
| Beryllium | mg/Kg | 20 | 0.95 | | 0.88 | | 7 | | P |
| Cadmium | mg/Kg | 20 | 4.95 | | 4.56 | | 8 | | P |
| Calcium | mg/Kg | 20 | 8670 | | 8040 | | 8 | | P |
| Chromium | mg/Kg | 20 | 60.9 | | 55.8 | | 9 | | P |
| Cobalt | mg/Kg | 20 | 40.3 | | 36.8 | | 9 | | P |
| Copper | mg/Kg | 20 | 76.1 | | 71.4 | | 6 | | P |
| Iron | mg/Kg | 20 | 12000 | | 11000 | | 9 | | P |
| Lead | mg/Kg | 20 | 71.4 | | 66.2 | | 8 | | P |
| Magnesium | mg/Kg | 20 | 1200 | | 1120 | | 7 | | P |
| Manganese | mg/Kg | 20 | 207 | | 192 | | 8 | | P |
| Nickel | mg/Kg | 20 | 143 | | 131 | | 9 | | P |
| Potassium | mg/Kg | 20 | 309 | | 285 | | 8 | | P |
| Selenium | mg/Kg | 20 | 0.51 | J | 0.58 | J | 14 | | P |
| Silver | mg/Kg | 20 | 1.58 | | 1.47 | | 7 | | P |
| Sodium | mg/Kg | 20 | 872 | | 806 | | 8 | | P |
| Thallium | mg/Kg | 20 | 0.43 | J | 0.64 | J | 40 | | P |
| Vanadium | mg/Kg | 20 | 31.8 | | 29.6 | | 7 | | P |
| Zinc | mg/Kg | 20 | 240 | | 222 | | 8 | | P |

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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# Metals

## - 6 -

## DUPLICATE SAMPLE SUMMARY

**Client:** G Environmental **Level:** LOW **SDG No.:** Q2826

**Contract:** GENV01 **Lab Code:** ACE

**Matrix:** Solid **Sample ID:** Q2828-01MS **Client ID:** POWDERMSD

**Percent Solids for Sample:** 99.4 **Duplicate ID** Q2828-01MSD **Percent Solids for Spike Sample:** 99.4

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Aluminum | mg/Kg | 20 | 9300 | | 10600 | | 13 | | P |
| Antimony | mg/Kg | 20 | 12.2 | | 10.5 | | 15 | | P |
| Arsenic | mg/Kg | 20 | 17.9 | | 20.2 | | 12 | | P |
| Barium | mg/Kg | 20 | 117 | | 120 | | 3 | | P |
| Beryllium | mg/Kg | 20 | 3.99 | | 4.64 | | 15 | | P |
| Cadmium | mg/Kg | 20 | 12.5 | | 13.8 | | 10 | | P |
| Calcium | mg/Kg | 20 | 10400 | | 12400 | | 18 | | P |
| Chromium | mg/Kg | 20 | 62.4 | | 76.4 | | 20 | | P |
| Cobalt | mg/Kg | 20 | 47.2 | | 52.6 | | 11 | | P |
| Copper | mg/Kg | 20 | 80.6 | | 84.2 | | 4 | | P |
| Iron | mg/Kg | 20 | 10200 | | 12600 | | 21 | * | P |
| Lead | mg/Kg | 20 | 110 | | 116 | | 5 | | P |
| Magnesium | mg/Kg | 20 | 1470 | | 1710 | | 15 | | P |
| Manganese | mg/Kg | 20 | 219 | | 251 | | 14 | | P |
| Nickel | mg/Kg | 20 | 157 | | 178 | | 13 | | P |
| Potassium | mg/Kg | 20 | 551 | | 582 | | 5 | | P |
| Selenium | mg/Kg | 20 | 30.0 | | 34.3 | | 13 | | P |
| Silver | mg/Kg | 20 | 3.22 | | 3.45 | | 7 | | P |
| Sodium | mg/Kg | 20 | 1030 | | 1050 | | 2 | | P |
| Thallium | mg/Kg | 20 | 67.0 | | 75.0 | | 11 | | P |
| Vanadium | mg/Kg | 20 | 56.1 | | 41.4 | | 30 | * | P |
| Zinc | mg/Kg | 20 | 244 | | 250 | | 2 | | P |

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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# Metals

## - 6 -

## DUPLICATE SAMPLE SUMMARY

**Client:** G Environmental **Level:** LOW **SDG No.:** Q2826

**Contract:** GENV01 **Lab Code:** ACE

**Matrix:** Solid **Sample ID:** Q2831-01 **Client ID:** VNJ-238DUP

**Percent Solids for Sample:** 93.1 **Duplicate ID** Q2831-01DUP **Percent Solids for Spike Sample:** 93.1

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | mg/Kg | 20 | 0.037 | | 0.040 | | 8 | | CV |

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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# Metals

## - 6 -

## DUPLICATE SAMPLE SUMMARY

**Client:** G Environmental **Level:** LOW **SDG No.:** Q2826

**Contract:** GENV01 **Lab Code:** ACE

**Matrix:** Solid **Sample ID:** Q2831-01MS **Client ID:** VNJ-238MSD

**Percent Solids for Sample:** 93.1 **Duplicate ID** Q2831-01MSD **Percent Solids for Spike Sample:** 93.1

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | mg/Kg | 20 | 0.29 | | 0.30 | | 2 | | CV |

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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## LABORATORY CONTROL SAMPLE SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**Contract:** GENV01 **Lab Code:** ACE

| Analyte | Units | True Value | Result | C | % Recovery | Acceptance Limits | M |
|---|---|---|---|---|---|---|---|
| PB169204BS | | | | | | | |
| Mercury | mg/Kg | 0.27 | 0.23 | | 85 | 80 - 124 | CV |

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## LABORATORY CONTROL SAMPLE SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**Contract:** GENV01 **Lab Code:** ACE

| Analyte | Units | True Value | Result | C | % Recovery | Acceptance Limits | M |
|---|---|---|---|---|---|---|---|
| PB169211BS | | | | | | | |
| Aluminum | mg/Kg | 100 | 98.1 | | 98 | 74 - 119 | P |
| Antimony | mg/Kg | 40.0 | 40.7 | | 102 | 79 - 114 | P |
| Arsenic | mg/Kg | 40.0 | 39.2 | | 98 | 82 - 111 | P |
| Barium | mg/Kg | 10.0 | 9.27 | | 93 | 83 - 113 | P |
| Beryllium | mg/Kg | 10.0 | 9.71 | | 97 | 83 - 113 | P |
| Cadmium | mg/Kg | 10.0 | 9.41 | | 94 | 82 - 113 | P |
| Calcium | mg/Kg | 50.0 | 49.9 | J | 100 | 81 - 116 | P |
| Chromium | mg/Kg | 20.0 | 20.3 | | 102 | 85 - 113 | P |
| Cobalt | mg/Kg | 10.0 | 9.68 | | 97 | 85 - 112 | P |
| Copper | mg/Kg | 15.0 | 15.4 | | 103 | 81 - 117 | P |
| Iron | mg/Kg | 150 | 151 | | 101 | 81 - 118 | P |
| Lead | mg/Kg | 50.0 | 47.4 | | 95 | 81 - 112 | P |
| Magnesium | mg/Kg | 100 | 97.2 | J | 97 | 78 - 115 | P |
| Manganese | mg/Kg | 10.0 | 9.87 | | 99 | 84 - 114 | P |
| Nickel | mg/Kg | 25.0 | 24.4 | | 98 | 83 - 113 | P |
| Potassium | mg/Kg | 500 | 486 | | 97 | 81 - 116 | P |
| Selenium | mg/Kg | 100 | 99.5 | | 100 | 78 - 111 | P |
| Silver | mg/Kg | 3.8 | 3.78 | | 100 | 82 - 112 | P |
| Sodium | mg/Kg | 150 | 138 | | 92 | 83 - 118 | P |
| Thallium | mg/Kg | 100 | 97.7 | | 98 | 83 - 111 | P |
| Vanadium | mg/Kg | 15.0 | 15.0 | | 100 | 82 - 114 | P |
| Zinc | mg/Kg | 10.0 | 10.3 | | 103 | 82 - 113 | P |

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# Metals

## -9 -

## ICP SERIAL DILUTIONS

SAMPLE NO.

POWDERL

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **Lb No.:** lb136801 **Lab Sample ID :** Q2828-01L **SDG No.:** Q2826

**Matrix (soil/water):** Solid **Level (low/med):** LOW

**Concentration Units:** mg/Kg

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | M |
|---|---|---|---|---|---|---|---|
| Aluminum | 7750 | | 13300 | | 71 | | P |
| Antimony | 4.95 | | 8.21 | J | 66 | | P |
| Arsenic | 5.28 | | 8.73 | | 65 | | P |
| Barium | 123 | | 208 | | 69 | | P |
| Beryllium | 0.95 | | 1.70 | | 80 | | P |
| Cadmium | 4.95 | | 3.90 | | 21 | | P |
| Calcium | 8670 | | 15400 | | 77 | | P |
| Chromium | 60.9 | | 109 | | 78 | | P |
| Cobalt | 40.3 | | 39.1 | | 3 | | P |
| Copper | 76.1 | | 139 | | 82 | | P |
| Iron | 12000 | | 20300 | | 70 | | P |
| Lead | 71.4 | | 72.9 | | 2 | | P |
| Magnesium | 1200 | | 2170 | | 80 | | P |
| Manganese | 207 | | 372 | | 80 | | P |
| Nickel | 143 | | 142 | | 0 | | P |
| Potassium | 309 | | 468 | | 51 | | P |
| Selenium | 0.51 | J | 4.66 | U | 100.0 | | P |
| Silver | 1.58 | | 2.85 | | 81 | | P |
| Sodium | 872 | | 1270 | | 46 | | P |
| Thallium | 0.43 | J | 1.28 | J | 199 | | P |
| Vanadium | 31.8 | | 56.3 | | 77 | | P |
| Zinc | 240 | | 435 | | 81 | | P |

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# Metals

## -9 -

## ICP SERIAL DILUTIONS

SAMPLE NO.

VNJ-238L

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **Lb No.:** lb136782 **Lab Sample ID :** Q2831-01L **SDG No.:** Q2826

**Matrix (soil/water):** Solid **Level (low/med):** LOW

**Concentration Units:** mg/Kg

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | M |
|---|---|---|---|---|---|---|---|
| Mercury | 0.037 | | 0.070 | U | 100.0 | | CV |

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**metals**
**- 14 -**
**ANALYSIS RUN LOG**

**Client:** G Environmental **Contract:** GENV01

**Lab code:** ACE **Sdg no.:** Q2826

**Instrument id number:** **Method:** **Run number:** LB136782

**Start date:** 08/12/2025 **End date:** 08/12/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| S0 | S0 | 1 | 0919 | HG |
| S0.2 | S0.2 | 1 | 0924 | HG |
| S2.5 | S2.5 | 1 | 0926 | HG |
| S5 | S5 | 1 | 0929 | HG |
| S7.5 | S7.5 | 1 | 0939 | HG |
| S10 | S10 | 1 | 0953 | HG |
| ICV08 | ICV08 | 1 | 0956 | HG |
| ICB08 | ICB08 | 1 | 1001 | HG |
| CCV22 | CCV22 | 1 | 1003 | HG |
| CCB22 | CCB22 | 1 | 1008 | HG |
| CRA | CRA | 1 | 1034 | HG |
| PB169204BL | PB169204BL | 1 | 1046 | HG |
| PB169204BS | PB169204BS | 1 | 1050 | HG |
| CCV23 | CCV23 | 1 | 1111 | HG |
| CCB23 | CCB23 | 1 | 1121 | HG |
| Q2826-01 | WC1 | 1 | 1138 | HG |
| CCV24 | CCV24 | 1 | 1151 | HG |
| CCB24 | CCB24 | 1 | 1154 | HG |
| Q2831-01DUP | VNJ-238DUP | 1 | 1208 | HG |
| Q2831-01MS | VNJ-238MS | 1 | 1210 | HG |
| Q2831-01MSD | VNJ-238MSD | 1 | 1212 | HG |
| Q2831-01L | VNJ-238L | 5 | 1215 | HG |
| CCV25 | CCV25 | 1 | 1232 | HG |
| CCB25 | CCB25 | 1 | 1237 | HG |
| CCV26 | CCV26 | 1 | 1255 | HG |
| CCB26 | CCB26 | 1 | 1300 | HG |

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**metals**
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**ANALYSIS RUN LOG**

**Client:** G Environmental **Contract:** GENV01

**Lab code:** ACE **Sdg no.:** Q2826

**Instrument id number:** **Method:** **Run number:** LB136801

**Start date:** 08/13/2025 **End date:** 08/13/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| S0 | S0 | 1 | 1156 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S1 | S1 | 1 | 1200 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S2 | S2 | 1 | 1204 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S3 | S3 | 1 | 1208 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S4 | S4 | 1 | 1212 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S5 | S5 | 1 | 1217 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICV01 | ICV01 | 1 | 1221 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| LLICV01 | LLICV01 | 1 | 1228 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICB01 | ICB01 | 1 | 1233 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CRI01 | CRI01 | 1 | 1237 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICSA01 | ICSA01 | 1 | 1241 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICSAB01 | ICSAB01 | 1 | 1245 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV01 | CCV01 | 1 | 1258 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB01 | CCB01 | 1 | 1303 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2828-01DUP | POWDERDUP | 1 | 1312 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2828-01L | POWDERL | 5 | 1316 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2828-01MS | POWDERMS | 1 | 1320 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2828-01MSD | POWDERMSD | 1 | 1325 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2828-01A | POWDERA | 1 | 1330 | Ag,As,Be,Cr,K,Sb,Se,Tl,V |
| CCV02 | CCV02 | 1 | 1342 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB02 | CCB02 | 1 | 1346 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV03 | CCV03 | 1 | 1433 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB03 | CCB03 | 1 | 1437 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB169211BL | PB169211BL | 1 | 1506 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB169211BS | PB169211BS | 1 | 1519 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV04 | CCV04 | 1 | 1523 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB04 | CCB04 | 1 | 1527 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV05 | CCV05 | 1 | 1614 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB05 | CCB05 | 1 | 1619 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2826-01 | WC1 | 1 | 1635 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV06 | CCV06 | 1 | 1705 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB06 | CCB06 | 1 | 1709 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV07 | CCV07 | 1 | 1746 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB07 | CCB07 | 1 | 1750 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |

# METAL PREPARATION & INSTRUMENT DATA

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# Metals
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## ICP INTERELEMENT CORRECTION FACTORS

**Client:** G Environmental **SDG No.:** Q2826

**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
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## ICP INTERELEMENT CORRECTION FACTORS

**Client:** G Environmental **SDG No.:** Q2826

**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.:** Q2826

**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.:** Q2826

**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.:** Q2826

**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:** | Q2826 | **OrderDate:** | 8/11/2025 2:06:00 PM |
| **Client:** | G Environmental | **Project:** | Ave B |
| **Contact:** | Gary Landis | **Location:** | --Select--,D31,VOA Ref. #2 Soil |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q2826-01** | **WC1** | **SOIL** | | | **08/11/25** | | | **08/11/25** |
| | | | Mercury | 7471B | | 08/11/25 | 08/12/25 | |
| | | | Metals ICP-TAL | 6010D | | 08/12/25 | 08/13/25 | |

# METAL PREPARATION & ANALYICAL SUMMARY

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# Metals
## - 13 -
## SAMPLE PREPARATION SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**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:** | **PB169204** | | | | | | |
| PB169204BL | PB169204BL | MB | SOLID | 08/11/2025 | 0.51 | 35.0 | 100.00 |
| PB169204BS | PB169204BS | LCS | SOLID | 08/11/2025 | 0.51 | 35.0 | 100.00 |
| Q2826-01 | WC1 | SAM | SOLID | 08/11/2025 | 0.51 | 35.0 | 88.10 |
| Q2831-01DUP | VNJ-238DUP | DUP | SOLID | 08/11/2025 | 0.50 | 35.0 | 93.10 |
| Q2831-01MS | VNJ-238MS | MS | SOLID | 08/11/2025 | 0.57 | 35.0 | 93.10 |
| Q2831-01MSD | VNJ-238MSD | MSD | SOLID | 08/11/2025 | 0.54 | 35.0 | 93.10 |

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# Metals
## - 13 -
## SAMPLE PREPARATION SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**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:** | **PB169211** | | | | | | |
| PB169211BL | PB169211BL | MB | SOLID | 08/12/2025 | 2.00 | 100.0 | 100.00 |
| PB169211BS | PB169211BS | LCS | SOLID | 08/12/2025 | 2.00 | 100.0 | 100.00 |
| Q2826-01 | WC1 | SAM | SOLID | 08/12/2025 | 2.19 | 100.0 | 88.10 |
| Q2828-01DUP | POWDERDUP | DUP | SOLID | 08/12/2025 | 2.33 | 100.0 | 99.40 |
| Q2828-01MS | POWDERMS | MS | SOLID | 08/12/2025 | 2.45 | 100.0 | 99.40 |
| Q2828-01MSD | POWDERMSD | MSD | SOLID | 08/12/2025 | 2.30 | 100.0 | 99.40 |

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**Instrument ID:** CV1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136782

| | | | |
|---|---|---|---|
| Review By | sagar | Review On | 8/12/2025 1:34:59 PM |
| Supervise By | jaswal | Supervise On | 8/12/2025 4:08:53 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86706,MP86707,MP86708,MP86709,MP86710,MP86711,MP86712 |
| ICV Standard | MP86713 |
| CCV Standard | MP86715 |
| ICSA Standard | |
| CRI Standard | MP86717 |
| LCS Standard | |
| Chk Standard | MP86714,MP86716,MP86718,MP86721 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | S0 | S0 | CAL1 | 08/12/25 09:19 | | sagar | OK |
| 2 | S0.2 | S0.2 | CAL2 | 08/12/25 09:24 | | sagar | OK |
| 3 | S2.5 | S2.5 | CAL3 | 08/12/25 09:26 | | sagar | OK |
| 4 | S5 | S5 | CAL4 | 08/12/25 09:29 | | sagar | OK |
| 5 | S7.5 | S7.5 | CAL5 | 08/12/25 09:39 | | sagar | OK |
| 6 | S10 | S10 | CAL6 | 08/12/25 09:53 | | sagar | OK |
| 7 | ICV08 | ICV08 | ICV | 08/12/25 09:56 | | sagar | OK |
| 8 | ICB08 | ICB08 | ICB | 08/12/25 10:01 | | sagar | OK |
| 9 | CCV22 | CCV22 | CCV | 08/12/25 10:03 | | sagar | OK |
| 10 | CCB22 | CCB22 | CCB | 08/12/25 10:08 | | sagar | OK |
| 11 | CRA | CRA | CRDL | 08/12/25 10:34 | | sagar | OK |
| 12 | HighStd | HighStd | HIGH STD | 08/12/25 10:36 | | sagar | OK |
| 13 | ChkStd | ChkStd | SAM | 08/12/25 10:41 | | sagar | OK |
| 14 | PB169204BL | PB169204BL | MB | 08/12/25 10:46 | | sagar | OK |
| 15 | PB169204BS | PB169204BS | LCS | 08/12/25 10:50 | | sagar | OK |
| 16 | Q2808-01 | TP-7 | SAM | 08/12/25 10:57 | High | sagar | Dilution |
| 17 | Q2809-01 | OR-03-08082025 | SAM | 08/12/25 11:01 | | sagar | OK |
| 18 | Q2818-01 | B-2-5-1 | SAM | 08/12/25 11:03 | | sagar | OK |

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**Instrument ID:** CV1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136782

| | | | |
|---|---|---|---|
| Review By | sagar | Review On | 8/12/2025 1:34:59 PM |
| Supervise By | jaswal | Supervise On | 8/12/2025 4:08:53 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86706,MP86707,MP86708,MP86709,MP86710,MP86711,MP86712 |
| ICV Standard | MP86713 |
| CCV Standard | MP86715 |
| ICSA Standard | |
| CRI Standard | MP86717 |
| LCS Standard | |
| Chk Standard | MP86714,MP86716,MP86718,MP86721 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q2818-02 | B-3-5-2 | SAM | 08/12/25 11:06 | | sagar | OK |
| 20 | Q2819-06 | 11M-S | SAM | 08/12/25 11:08 | | sagar | OK |
| 21 | CCV23 | CCV23 | CCV | 08/12/25 11:11 | | sagar | OK |
| 22 | CCB23 | CCB23 | CCB | 08/12/25 11:21 | | sagar | OK |
| 23 | Q2819-11 | 84SB-W | SAM | 08/12/25 11:25 | | sagar | OK |
| 24 | Q2819-14 | 17M-W | SAM | 08/12/25 11:27 | | sagar | OK |
| 25 | Q2820-09 | 705R-S | SAM | 08/12/25 11:29 | | sagar | OK |
| 26 | Q2820-10 | SOIL-DUP-2 | SAM | 08/12/25 11:31 | | sagar | OK |
| 27 | Q2820-24 | 22M-S | SAM | 08/12/25 11:34 | | sagar | OK |
| 28 | Q2823-01 | SU-04-081125 | SAM | 08/12/25 11:36 | | sagar | OK |
| 29 | Q2826-01 | WC1 | SAM | 08/12/25 11:38 | | sagar | OK |
| 30 | Q2827-01 | TP-8 | SAM | 08/12/25 11:41 | High | sagar | Dilution |
| 31 | Q2827-05 | TP-9 | SAM | 08/12/25 11:43 | | sagar | OK |
| 32 | Q2828-01 | POWDER | SAM | 08/12/25 11:46 | | sagar | OK |
| 33 | CCV24 | CCV24 | CCV | 08/12/25 11:51 | | sagar | OK |
| 34 | CCB24 | CCB24 | CCB | 08/12/25 11:54 | | sagar | OK |
| 35 | Q2830-01 | BIN0009-DRIVEWAY- | SAM | 08/12/25 11:56 | | sagar | OK |
| 36 | Q2830-03 | BIN0009-DRIVEWAY- | SAM | 08/12/25 11:59 | | sagar | OK |
| 37 | Q2830-05 | BIN0009-DRIVEWAY- | SAM | 08/12/25 12:01 | | sagar | OK |
| 38 | Q2830-07 | BIN0009-DRIVEWAY- | SAM | 08/12/25 12:03 | | sagar | OK |

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**Instrument ID:** CV1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136782

| | | | |
|---|---|---|---|
| Review By | sagar | Review On | 8/12/2025 1:34:59 PM |
| Supervise By | jaswal | Supervise On | 8/12/2025 4:08:53 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86706,MP86707,MP86708,MP86709,MP86710,MP86711,MP86712 |
| ICV Standard | MP86713 |
| CCV Standard | MP86715 |
| ICSA Standard | |
| CRI Standard | MP86717 |
| LCS Standard | |
| Chk Standard | MP86714,MP86716,MP86718,MP86721 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 39 | Q2831-01 | VNJ-238 | SAM | 08/12/25 12:06 | | sagar | OK |
| 40 | Q2831-01DUP | VNJ-238DUP | DUP | 08/12/25 12:08 | | sagar | OK |
| 41 | Q2831-01MS | VNJ-238MS | MS | 08/12/25 12:10 | | sagar | OK |
| 42 | Q2831-01MSD | VNJ-238MSD | MSD | 08/12/25 12:12 | | sagar | OK |
| 43 | Q2831-01L | VNJ-238L | SD | 08/12/25 12:15 | | sagar | OK |
| 44 | Q2831-01A | VNJ-238A | PS | 08/12/25 12:17 | | sagar | OK |
| 45 | CCV25 | CCV25 | CCV | 08/12/25 12:32 | | sagar | OK |
| 46 | CCB25 | CCB25 | CCB | 08/12/25 12:37 | | sagar | OK |
| 47 | Q2808-01DL | TP-7DL | SAM | 08/12/25 12:44 | Report 100X | sagar | Confirms |
| 48 | Q2827-01DL | TP-8DL | SAM | 08/12/25 12:47 | Report 10X | sagar | Confirms |
| 49 | CCV26 | CCV26 | CCV | 08/12/25 12:55 | | sagar | OK |
| 50 | CCB26 | CCB26 | CCB | 08/12/25 13:00 | | sagar | OK |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136801

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 8/15/2025 10:10:36 AM |
| Supervise By | jaswal | Supervise On | 8/19/2025 2:31:42 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86640,MP86656,MP86653,MP86643,MP86642,MP86641 |
| ICV Standard | MP86752,MP86656 |
| CCV Standard | MP86646 |
| ICSA Standard | MP86651,MP86753 |
| CRI Standard | MP86656 |
| LCS Standard | |
| Chk Standard | MP86647,MP86648 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | S0 | S0 | CAL1 | 08/13/25 11:56 | | Jaswal | OK |
| 2 | S1 | S1 | CAL2 | 08/13/25 12:00 | | Jaswal | OK |
| 3 | S2 | S2 | CAL3 | 08/13/25 12:04 | | Jaswal | OK |
| 4 | S3 | S3 | CAL4 | 08/13/25 12:08 | | Jaswal | OK |
| 5 | S4 | S4 | CAL5 | 08/13/25 12:12 | | Jaswal | OK |
| 6 | S5 | S5 | CAL6 | 08/13/25 12:17 | | Jaswal | OK |
| 7 | ICV01 | ICV01 | ICV | 08/13/25 12:21 | | Jaswal | OK |
| 8 | LLICV01 | LLICV01 | LLICV | 08/13/25 12:28 | | Jaswal | OK |
| 9 | ICB01 | ICB01 | ICB | 08/13/25 12:33 | | Jaswal | OK |
| 10 | CRI01 | CRI01 | CRDL | 08/13/25 12:37 | | Jaswal | OK |
| 11 | ICSA01 | ICSA01 | ICSA | 08/13/25 12:41 | | Jaswal | OK |
| 12 | ICSAB01 | ICSAB01 | ICSAB | 08/13/25 12:45 | | Jaswal | OK |
| 13 | ICSADL | ICSADL | ICSA | 08/13/25 12:49 | | Jaswal | OK |
| 14 | ICSABDL | ICSABDL | ICSAB | 08/13/25 12:54 | | Jaswal | OK |
| 15 | CCV01 | CCV01 | CCV | 08/13/25 12:58 | | Jaswal | OK |
| 16 | CCB01 | CCB01 | CCB | 08/13/25 13:03 | | Jaswal | OK |
| 17 | Q2828-01 | POWDER | SAM | 08/13/25 13:07 | | Jaswal | OK |
| 18 | Q2828-01DUP | POWDERDUP | DUP | 08/13/25 13:12 | | Jaswal | OK |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136801

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 8/15/2025 10:10:36 AM |
| Supervise By | jaswal | Supervise On | 8/19/2025 2:31:42 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86640,MP86656,MP86653,MP86643,MP86642,MP86641 |
| ICV Standard | MP86752,MP86656 |
| CCV Standard | MP86646 |
| ICSA Standard | MP86651,MP86753 |
| CRI Standard | MP86656 |
| LCS Standard | |
| Chk Standard | MP86647,MP86648 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q2828-01L | POWDERL | SD | 08/13/25 13:16 | | Jaswal | OK |
| 20 | Q2828-01MS | POWDERMS | MS | 08/13/25 13:20 | | Jaswal | OK |
| 21 | Q2828-01MSD | POWDERMSD | MSD | 08/13/25 13:25 | | Jaswal | OK |
| 22 | Q2828-01A | POWDERA | PS | 08/13/25 13:30 | 0.1 ml of each M6004 and M6017 in 10ml sample | Jaswal | OK |
| 23 | CCV02 | CCV02 | CCV | 08/13/25 13:42 | | Jaswal | OK |
| 24 | CCB02 | CCB02 | CCB | 08/13/25 13:46 | | Jaswal | OK |
| 25 | Q2830-01 | BIN0009-DRIVEWAY- | SAM | 08/13/25 13:50 | | Jaswal | OK |
| 26 | Q2830-03 | BIN0009-DRIVEWAY- | SAM | 08/13/25 13:55 | | Jaswal | OK |
| 27 | Q2830-05 | BIN0009-DRIVEWAY- | SAM | 08/13/25 13:59 | | Jaswal | OK |
| 28 | Q2830-07 | BIN0009-DRIVEWAY- | SAM | 08/13/25 14:03 | | Jaswal | OK |
| 29 | Q2831-01 | VNJ-238 | SAM | 08/13/25 14:07 | | Jaswal | OK |
| 30 | Q2818-01 | B-2-5-1 | SAM | 08/13/25 14:11 | | Jaswal | OK |
| 31 | Q2818-02 | B-3-5-2 | SAM | 08/13/25 14:16 | | Jaswal | OK |
| 32 | Q2823-01 | SU-04-081125 | SAM | 08/13/25 14:20 | | Jaswal | OK |
| 33 | Q2831-03 | VNJ-238 | SAM | 08/13/25 14:24 | | Jaswal | OK |
| 34 | Q2831-03DUP | VNJ-238DUP | DUP | 08/13/25 14:28 | | Jaswal | OK |
| 35 | CCV03 | CCV03 | CCV | 08/13/25 14:33 | | Jaswal | OK |
| 36 | CCB03 | CCB03 | CCB | 08/13/25 14:37 | | Jaswal | OK |
| 37 | Q2831-03L | VNJ-238L | SD | 08/13/25 14:41 | | Jaswal | OK |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136801

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 8/15/2025 10:10:36 AM |
| Supervise By | jaswal | Supervise On | 8/19/2025 2:31:42 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86640,MP86656,MP86653,MP86643,MP86642,MP86641 |
| ICV Standard | MP86752,MP86656 |
| CCV Standard | MP86646 |
| ICSA Standard | MP86651,MP86753 |
| CRI Standard | MP86656 |
| LCS Standard | |
| Chk Standard | MP86647,MP86648 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 38 | Q2831-03MS | VNJ-238MS | MS | 08/13/25 14:46 | | Jaswal | OK |
| 39 | Q2831-03MSD | VNJ-238MSD | MSD | 08/13/25 14:50 | | Jaswal | OK |
| 40 | Q2831-03A | VNJ-238A | PS | 08/13/25 14:54 | 0.1 ml of each M6004 and M6017 in 10ml sample | Jaswal | OK |
| 41 | PB169214BL | PB169214BL | MB | 08/13/25 14:58 | | Jaswal | OK |
| 42 | PB169214BS | PB169214BS | LCS | 08/13/25 15:02 | | Jaswal | OK |
| 43 | PB169211BL | PB169211BL | MB | 08/13/25 15:06 | | Jaswal | OK |
| 44 | PB169215BL | PB169215BL | MB | 08/13/25 15:15 | | Jaswal | OK |
| 45 | PB169211BS | PB169211BS | LCS | 08/13/25 15:19 | | Jaswal | OK |
| 46 | CCV04 | CCV04 | CCV | 08/13/25 15:23 | | Jaswal | OK |
| 47 | CCB04 | CCB04 | CCB | 08/13/25 15:27 | | Jaswal | OK |
| 48 | PB169200TB | PB169200TB | MB | 08/13/25 15:31 | | Jaswal | OK |
| 49 | Q2808-04 | TP-7 | SAM | 08/13/25 15:36 | | Jaswal | OK |
| 50 | Q2826-02 | WC1 | SAM | 08/13/25 15:40 | | Jaswal | OK |
| 51 | Q2827-04 | TP-8 | SAM | 08/13/25 15:45 | | Jaswal | OK |
| 52 | Q2827-08 | TP-9 | SAM | 08/13/25 15:49 | | Jaswal | OK |
| 53 | Q2808-01 | TP-7 | SAM | 08/13/25 15:53 | | Jaswal | OK |
| 54 | Q2817-01 | LEAD-PAINT-CHIPS | SAM | 08/13/25 15:58 | | Jaswal | OK |
| 55 | Q2819-06 | 11M-S | SAM | 08/13/25 16:02 | | Jaswal | OK |
| 56 | Q2819-11 | 84SB-W | SAM | 08/13/25 16:06 | | Jaswal | OK |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136801

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 8/15/2025 10:10:36 AM |
| Supervise By | jaswal | Supervise On | 8/19/2025 2:31:42 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86640,MP86656,MP86653,MP86643,MP86642,MP86641 |
| ICV Standard | MP86752,MP86656 |
| CCV Standard | MP86646 |
| ICSA Standard | MP86651,MP86753 |
| CRI Standard | MP86656 |
| LCS Standard | |
| Chk Standard | MP86647,MP86648 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 57 | Q2819-14 | 17M-W | SAM | 08/13/25 16:10 | | Jaswal | OK |
| 58 | CCV05 | CCV05 | CCV | 08/13/25 16:14 | | Jaswal | OK |
| 59 | CCB05 | CCB05 | CCB | 08/13/25 16:19 | | Jaswal | OK |
| 60 | Q2820-09 | 705R-S | SAM | 08/13/25 16:23 | | Jaswal | OK |
| 61 | Q2820-10 | SOIL-DUP-2 | SAM | 08/13/25 16:27 | | Jaswal | OK |
| 62 | Q2820-24 | 22M-S | SAM | 08/13/25 16:31 | | Jaswal | OK |
| 63 | Q2826-01 | WC1 | SAM | 08/13/25 16:35 | | Jaswal | OK |
| 64 | Q2827-01 | TP-8 | SAM | 08/13/25 16:39 | | Jaswal | OK |
| 65 | Q2827-05 | TP-9 | SAM | 08/13/25 16:44 | | Jaswal | OK |
| 66 | Q2829-01 | SILICA | SAM | 08/13/25 16:48 | | Jaswal | OK |
| 67 | Q2832-09 | TG-S05 | SAM | 08/13/25 16:52 | | Jaswal | OK |
| 68 | Q2832-09DUP | TG-S05DUP | DUP | 08/13/25 16:56 | | Jaswal | OK |
| 69 | Q2832-09L | TG-S05L | SD | 08/13/25 17:00 | | Jaswal | OK |
| 70 | CCV06 | CCV06 | CCV | 08/13/25 17:05 | | Jaswal | OK |
| 71 | CCB06 | CCB06 | CCB | 08/13/25 17:09 | | Jaswal | OK |
| 72 | Q2832-09MS | TG-S05MS | MS | 08/13/25 17:13 | | Jaswal | OK |
| 73 | Q2832-09MSD | TG-S05MSD | MSD | 08/13/25 17:17 | | Jaswal | OK |
| 74 | Q2832-09A | TG-S05A | PS | 08/13/25 17:21 | 0.1 ml of each M6004 and M6017 in 10ml sample | Jaswal | OK |
| 75 | Q2832-03 | TG-S02 | SAM | 08/13/25 17:25 | | Jaswal | OK |

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Fax : 908 789 8922

**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136801

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 8/15/2025 10:10:36 AM |
| Supervise By | jaswal | Supervise On | 8/19/2025 2:31:42 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86640,MP86656,MP86653,MP86643,MP86642,MP86641 |
| ICV Standard | MP86752,MP86656 |
| CCV Standard | MP86646 |
| ICSA Standard | MP86651,MP86753 |
| CRI Standard | MP86656 |
| LCS Standard | |
| Chk Standard | MP86647,MP86648 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 76 | Q2832-05 | TG-S03 | SAM | 08/13/25 17:29 | | Jaswal | OK |
| 77 | Q2832-07 | TG-S04 | SAM | 08/13/25 17:33 | | Jaswal | OK |
| 78 | PB169215BS | PB169215BS | LCS | 08/13/25 17:42 | | Jaswal | OK |
| 79 | CCV07 | CCV07 | CCV | 08/13/25 17:46 | | Jaswal | OK |
| 80 | CCB07 | CCB07 | CCB | 08/13/25 17:50 | | Jaswal | OK |

Alliance TECHNICAL GROUP

# Soil/Sludge Mercury Preparation Sheet

PB169204

**SOP ID :** M7471B-Mercury-19

**SDG No :** N/A

**Matrix :** SOIL

**Pippete ID:** HG A

**Balance ID :** M SC-3

**Filter paper ID :** N/A

**pH Strip ID :** N/A

**Hood ID :** #1

**Block ID:** 1. HG HOT BLOCK#3 2. N/A

**Start Digest Date:** 08/11/2025 **Time :** 16:30 **Temp :** 95 °C

**End Digest Date:** 08/11/2025 **Time :** 16:40 **Temp :** 95 °C

**Digestion tube ID:** M5595

**Block thermometer ID:** HG-DIG#3

**Dig Technician Signature:** SJ

**Supervisor Signature:** SD

**Temp :** 1. 95°C 2. N/A

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| ICV | 30mL | MP86713 |
| CCV | 30mL | MP86715 |
| CRA | 30mL | MP86717 |
| Blank Spike | 0.48mL | MP86706 |
| Matrix Spike | 0.48mL | MP86706 |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| AQUA REGIA | 2.5mL | MP86719 |
| KMnO4 (5%) | 4.5mL | MP85893 |
| Hydroxylamine HCL (12%) | 2.0mL | MP85895 |
| PTFE Boiling Stones | ---------- | M5582 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

| LAB SAMPLE ID | CLIENT SAMPLE ID | Wt(g)/Vol(ml) | Comment |
|---|---|---|---|
| 0.0 ppb | S0 | 30mL | MP86707 |
| 0.05 ppb | S0.05 | N/A | N/A |
| 0.2 ppb | S0.2 | 30mL | MP86708 |
| 2.5 ppb | S2.5 | 30mL | MP86709 |
| 5.0 ppb | S5.0 | 30mL | MP86710 |
| 7.5 ppb | S7.5 | 30mL | MP86711 |
| 10.0 ppb | S10.0 | 30mL | MP86712 |
| ICV | ICV | 30mL | MP86713 |
| ICB | ICB | 30mL | MP86714 |
| CCV | CCV | 30mL | MP86715 |
| CCB | CCB | 30mL | MP86716 |
| CRI | CRI | 30mL | MP86717 |
| CHK STD | CHK STD | 30mL | MP86718 |

**Extraction Conformance/Non-Conformance Comments:**

N/A

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 08/11/25 16:50 | SJ/SS wet dig | SJ (Prep Lab) |
| | Preparation Group | Analysis Group |

Alliance TECHNICAL GROUP

# Soil/Sludge Mercury Preparation Sheet

## PB169204

| Lab Sample ID | Client Sample ID | Initial Weight (g) | Final Vol (ml) | pH | Comment | Prep Pos |
|---|---|---|---|---|---|---|
| PB169204BL | PBS204 | 0.51 | 35 | N/A | N/A | 1-1 |
| PB169204BS | LCS204 | 0.51 | 35 | N/A | MP86706 | 2 |
| Q2808-01 | TP-7 | 0.53 | 35 | N/A | N/A | 3 |
| Q2809-01 | OR-03-08082025 | 0.55 | 35 | N/A | N/A | 4 |
| Q2818-01 | B-2-5-1 | 0.52 | 35 | N/A | N/A | 5 |
| Q2818-02 | B-3-5-2 | 0.53 | 35 | N/A | N/A | 6 |
| Q2819-06 | 11M-S | 0.55 | 35 | N/A | N/A | 7 |
| Q2819-11 | 84SB-W | 0.56 | 35 | N/A | N/A | 8 |
| Q2819-14 | 17M-W | 0.52 | 35 | N/A | N/A | 9 |
| Q2820-09 | 705R-S | 0.54 | 35 | N/A | N/A | 10 |
| Q2820-10 | SOIL-DUP-2 | 0.51 | 35 | N/A | N/A | 11 |
| Q2820-24 | 22M-S | 0.51 | 35 | N/A | N/A | 12 |
| Q2823-01 | SU-04-081125 | 0.52 | 35 | N/A | N/A | 13 |
| Q2826-01 | WC1 | 0.51 | 35 | N/A | N/A | 14 |
| Q2827-01 | TP-8 | 0.59 | 35 | N/A | N/A | 15 |
| Q2827-05 | TP-9 | 0.57 | 35 | N/A | N/A | 16 |
| Q2828-01 | POWDER | 0.56 | 35 | N/A | N/A | 17 |
| Q2830-01 | BIN0009-DRIVEWAY-TP-SOUTH-EAST | 0.53 | 35 | N/A | N/A | 18 |
| Q2830-03 | BIN0009-DRIVEWAY-TP-WEST | 0.56 | 35 | N/A | N/A | 19 |
| Q2830-05 | BIN0009-DRIVEWAY-TP-WESTSIDE | 0.55 | 35 | N/A | N/A | 20 |
| Q2830-07 | BIN0009-DRIVEWAY-TP-EASTSIDE | 0.58 | 35 | N/A | N/A | 21 |
| Q2831-01 | VNJ-238 | 0.54 | 35 | N/A | N/A | 22 |
| Q2831-01MS | VNJ-238MS | 0.57 | 35 | N/A | MP86706 | 24 |
| Q2831-01MSD | VNJ-238MSD | 0.54 | 35 | N/A | MP86706 | 25 |
| Q2831-01DUP | VNJ-238DUP | 0.50 | 35 | N/A | N/A | 23 |

A
B
C
D
E
F
G
H
I
J

Alliance TECHNICAL GROUP

**Soil/Sludge Metals Preparation Sheet**

PB169211

**SOP ID :** M3050B-Digestion-20

**SDG No :** N/A

**Matrix :** SOIL

**Pippete ID:** ICP A

**Balance ID :** M SC-2

**Filter paper ID :** N/A

**pH Strip ID :** N/A

**Hood ID :** #3

**Block ID:** 1. HOT BLOCK #5 2. N/A

**Start Digest Date:** 08/12/2025 **Time :** 12:55 **Temp :** 97 °C

**End Digest Date:** 08/12/2025 **Time :** 14:55 **Temp :** 98 °C

**Digestion tube ID:** M6054

**Block thermometer ID:** MET-DIG. #5

**Dig Technician Signature:** SLG.

**Supervisor Signature:** JSP

**Temp :** 1. 96°C 2. N/A

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| LFS-1 | 1.00 | M6180 |
| LFS-2 | 1.00 | M6181 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| Conc. HNO3 | 5.00 | M6158 |
| 1:1 HNO3 | 10.00 | MP86404 |
| 30% H2O2 | 3.00 | M6170 |
| Conc. HCL | 10.00 | M6151 |
| PTFE Boiling Stones | N/A | M5581 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

**Extraction Conformance/Non-Conformance Comments:**

HOT BLOCK#5 CELL#35 97C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 08/12/25 15:55 | SLG met dig | JSP / Met Lab |
| | Preparation Group | Analysis Group |

Alliance TECHNICAL GROUP

**Soil/Sludge Metals Preparation Sheet**

**PB169211**

| Lab Sample ID | Client Sample ID | pH | Initial Weight (g) | Final Vol (ml) | Color Before | Color After | Texture | Artifact | Comment | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| PB169211BL | PBS211 | N/A | 2.00 | 100 | Colorless | Colorless | Fine | N/A | N/A | 1 |
| PB169211BS | LCS211 | N/A | 2.00 | 100 | Colorless | Colorless | Fine | N/A | M6180,M6181 | 2 |
| Q2808-01 | TP-7 | N/A | 2.42 | 100 | Brown | Yellow | Medium | N/A | N/A | 3 |
| Q2809-01 | OR-03-08082025 | N/A | 2.34 | 100 | Brown | Yellow | Medium | N/A | N/A | 4 |
| Q2817-01 | LEAD-PAINT-CHIPS | N/A | 2.27 | 100 | Brown | Yellow | Medium | N/A | N/A | 5 |
| Q2818-01 | B-2-5-1 | N/A | 2.34 | 100 | Brown | Yellow | Medium | N/A | N/A | 6 |
| Q2818-02 | B-3-5-2 | N/A | 2.33 | 100 | Brown | Yellow | Medium | N/A | N/A | 7 |
| Q2819-06 | 11M-S | N/A | 2.32 | 100 | Brown | Yellow | Medium | N/A | N/A | 8 |
| Q2819-11 | 84SB-W | N/A | 2.37 | 100 | Brown | Yellow | Medium | N/A | N/A | 9 |
| Q2819-14 | 17M-W | N/A | 2.36 | 100 | Brown | Yellow | Medium | N/A | N/A | 10 |
| Q2820-09 | 705R-S | N/A | 2.25 | 100 | Brown | Yellow | Medium | N/A | N/A | 11 |
| Q2820-10 | SOIL-DUP-2 | N/A | 2.17 | 100 | Brown | Yellow | Medium | N/A | N/A | 12 |
| Q2820-24 | 22M-S | N/A | 2.24 | 100 | Brown | Yellow | Medium | N/A | N/A | 13 |
| Q2823-01 | SU-04-081125 | N/A | 2.47 | 100 | Brown | Yellow | Medium | N/A | N/A | 14 |
| Q2826-01 | WC1 | N/A | 2.19 | 100 | Brown | Yellow | Medium | N/A | N/A | 15 |
| Q2827-01 | TP-8 | N/A | 2.26 | 100 | Brown | Yellow | Medium | N/A | N/A | 16 |
| Q2827-05 | TP-9 | N/A | 2.32 | 100 | Brown | Yellow | Medium | N/A | N/A | 17 |
| Q2828-01 | POWDER | N/A | 2.16 | 100 | Brown | Yellow | Medium | N/A | N/A | 18 |
| Q2828-01MS | POWDERMS | N/A | 2.45 | 100 | Brown | Yellow | Medium | N/A | M6180,M6181 | 20 |
| Q2828-01MSD | POWDERMSD | N/A | 2.30 | 100 | Brown | Yellow | Medium | N/A | M6180,M6181 | 21 |
| Q2828-01DUP | POWDERDUP | N/A | 2.33 | 100 | Brown | Yellow | Medium | N/A | N/A | 19 |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q2826 **Order ID:** Q2826

**Client:** G Environmental **Project ID:** Ave B

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID : WC1** | | | | | | | | |
| Q2826-02 | WC1 | TCLP | Barium | 816 | | 72.8 | 500 | ug/L |
| Q2826-02 | WC1 | TCLP | Cadmium | 37.1 | | 2.50 | 30.0 | ug/L |
| Q2826-02 | WC1 | TCLP | Chromium | 154 | | 10.6 | 50.0 | ug/L |

# SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 08/11/25 |
| Project: | Ave B | Date Received: | 08/11/25 |
| Client Sample ID: | WC1 | SDG No.: | Q2826 |
| Lab Sample ID: | Q2826-02 | Matrix: | TCLP |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 25.6 | U | 1 | 25.6 | 100 | ug/L | 08/12/25 12:30 | 08/13/25 15:40 | 6010D | SW3050 |
| 7440-39-3 | Barium | 816 | N* | 1 | 72.8 | 500 | ug/L | 08/12/25 12:30 | 08/13/25 15:40 | 6010D | SW3050 |
| 7440-43-9 | Cadmium | 37.1 | | 1 | 2.50 | 30.0 | ug/L | 08/12/25 12:30 | 08/13/25 15:40 | 6010D | SW3050 |
| 7440-47-3 | Chromium | 154 | | 1 | 10.6 | 50.0 | ug/L | 08/12/25 12:30 | 08/13/25 15:40 | 6010D | SW3050 |
| 7439-92-1 | Lead | 11.5 | U | 1 | 11.5 | 60.0 | ug/L | 08/12/25 12:30 | 08/13/25 15:40 | 6010D | SW3050 |
| 7439-97-6 | Mercury | 0.76 | U | 1 | 0.76 | 2.00 | ug/L | 08/12/25 12:30 | 08/13/25 11:40 | 7470A | |
| 7782-49-2 | Selenium | 48.2 | U | 1 | 48.2 | 100 | ug/L | 08/12/25 12:30 | 08/13/25 15:40 | 6010D | SW3050 |
| 7440-22-4 | Silver | 8.10 | U | 1 | 8.10 | 50.0 | ug/L | 08/12/25 12:30 | 08/13/25 15:40 | 6010D | SW3050 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Colorless | Clarity Before: | Clear | Texture: | |
| Color After: | Colorless | Clarity After: | Clear | Artifacts: | |
| Comments: | TCLP METALS | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Fax : 908 789 8922

# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**Contract:** GENV01 **Lab Code:** ACE

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **ICB12** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 08/13/2025 | 11:19 | LB136797 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**Contract:** GENV01 **Lab Code:** ACE

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB35** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 08/13/2025 | 11:24 | LB136797 |
| **CCB36** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 08/13/2025 | 11:51 | LB136797 |
| **CCB37** | Mercury | 0.076 | +/-0.2 | U | 0.20 | CV | 08/13/2025 | 12:10 | LB136797 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**Contract:** GENV01 **Lab Code:** ACE

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| ICB01 | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 08/13/2025 | 12:33 | LB136801 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 08/13/2025 | 12:33 | LB136801 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 08/13/2025 | 12:33 | LB136801 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 08/13/2025 | 12:33 | LB136801 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 08/13/2025 | 12:33 | LB136801 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 08/13/2025 | 12:33 | LB136801 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 08/13/2025 | 12:33 | LB136801 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**Contract:** GENV01 **Lab Code:** ACE

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB01** | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 08/13/2025 | 13:03 | LB136801 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 08/13/2025 | 13:03 | LB136801 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 08/13/2025 | 13:03 | LB136801 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 08/13/2025 | 13:03 | LB136801 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 08/13/2025 | 13:03 | LB136801 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 08/13/2025 | 13:03 | LB136801 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 08/13/2025 | 13:03 | LB136801 |
| **CCB02** | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 08/13/2025 | 13:46 | LB136801 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 08/13/2025 | 13:46 | LB136801 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 08/13/2025 | 13:46 | LB136801 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 08/13/2025 | 13:46 | LB136801 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 08/13/2025 | 13:46 | LB136801 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 08/13/2025 | 13:46 | LB136801 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 08/13/2025 | 13:46 | LB136801 |
| **CCB03** | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 08/13/2025 | 14:37 | LB136801 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 08/13/2025 | 14:37 | LB136801 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 08/13/2025 | 14:37 | LB136801 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 08/13/2025 | 14:37 | LB136801 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 08/13/2025 | 14:37 | LB136801 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 08/13/2025 | 14:37 | LB136801 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 08/13/2025 | 14:37 | LB136801 |
| **CCB04** | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 08/13/2025 | 15:27 | LB136801 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 08/13/2025 | 15:27 | LB136801 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 08/13/2025 | 15:27 | LB136801 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 08/13/2025 | 15:27 | LB136801 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 08/13/2025 | 15:27 | LB136801 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 08/13/2025 | 15:27 | LB136801 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 08/13/2025 | 15:27 | LB136801 |
| **CCB05** | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 08/13/2025 | 16:19 | LB136801 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 08/13/2025 | 16:19 | LB136801 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 08/13/2025 | 16:19 | LB136801 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 08/13/2025 | 16:19 | LB136801 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 08/13/2025 | 16:19 | LB136801 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 08/13/2025 | 16:19 | LB136801 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 08/13/2025 | 16:19 | LB136801 |
| **CCB06** | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 08/13/2025 | 17:09 | LB136801 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 08/13/2025 | 17:09 | LB136801 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 08/13/2025 | 17:09 | LB136801 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 08/13/2025 | 17:09 | LB136801 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**Contract:** GENV01 **Lab Code:** ACE

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB06** | Lead | 2.30 | +/-6 | U | 12.0 | P | 08/13/2025 | 17:09 | LB136801 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 08/13/2025 | 17:09 | LB136801 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 08/13/2025 | 17:09 | LB136801 |
| **CCB07** | Arsenic | 5.12 | +/-10 | U | 20.0 | P | 08/13/2025 | 17:50 | LB136801 |
| | Barium | 14.6 | +/-50 | U | 100 | P | 08/13/2025 | 17:50 | LB136801 |
| | Cadmium | 0.50 | +/-3 | U | 6.00 | P | 08/13/2025 | 17:50 | LB136801 |
| | Chromium | 2.12 | +/-5 | U | 10.0 | P | 08/13/2025 | 17:50 | LB136801 |
| | Lead | 2.30 | +/-6 | U | 12.0 | P | 08/13/2025 | 17:50 | LB136801 |
| | Selenium | 9.64 | +/-10 | U | 20.0 | P | 08/13/2025 | 17:50 | LB136801 |
| | Silver | 1.62 | +/-5 | U | 10.0 | P | 08/13/2025 | 17:50 | LB136801 |

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# Metals
## - 3b -
## PREPARATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**Instrument:** CV1

| Sample ID | Analyte | Result (ug/L) | Acceptance Limit | Conc Qual | CRQL ug/L | M | Analysis Date | Analysis Time | Run |
|---|---|---|---|---|---|---|---|---|---|
| **PB169200TB** | | **WATER** | | **Batch Number:** | **PB169233** | | **Prep Date:** | **08/12/2025** | |
| | Mercury | 0.76 | <2 | U | 2.00 | CV | 08/13/2025 | 12:05 | LB136797 |

| Sample ID | Analyte | Result (ug/L) | Acceptance Limit | Conc Qual | CRQL ug/L | M | Analysis Date | Analysis Time | Run |
|---|---|---|---|---|---|---|---|---|---|
| **PB169233BL** | | **WATER** | | **Batch Number:** | **PB169233** | | **Prep Date:** | **08/12/2025** | |
| | Mercury | 0.076 | <0.2 | U | 0.20 | CV | 08/13/2025 | 11:33 | LB136797 |

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# Metals
## - 3b -
## PREPARATION BLANK SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**Instrument:** P4

| Sample ID | Analyte | Result (ug/L) | Acceptance Limit | Conc Qual | CRQL ug/L | M | Analysis Date | Analysis Time | Run |
|---|---|---|---|---|---|---|---|---|---|
| **PB169200TB** | | **WATER** | | **Batch Number:** | **PB169214** | | **Prep Date:** | **08/12/2025** | |
| | Arsenic | 25.6 | <50 | U | 100 | P | 08/13/2025 | 15:31 | LB136801 |
| | Barium | 72.8 | <250 | U | 500 | P | 08/13/2025 | 15:31 | LB136801 |
| | Cadmium | 2.50 | <15 | U | 30.0 | P | 08/13/2025 | 15:31 | LB136801 |
| | Chromium | 10.6 | <25 | U | 50.0 | P | 08/13/2025 | 15:31 | LB136801 |
| | Lead | 11.5 | <30 | U | 60.0 | P | 08/13/2025 | 15:31 | LB136801 |
| | Selenium | 48.2 | <50 | U | 100 | P | 08/13/2025 | 15:31 | LB136801 |
| | Silver | 8.10 | <25 | U | 50.0 | P | 08/13/2025 | 15:31 | LB136801 |

| Sample ID | Analyte | Result (ug/L) | Acceptance Limit | Conc Qual | CRQL ug/L | M | Analysis Date | Analysis Time | Run |
|---|---|---|---|---|---|---|---|---|---|
| **PB169214BL** | | **WATER** | | **Batch Number:** | **PB169214** | | **Prep Date:** | **08/12/2025** | |
| | Arsenic | 25.6 | <50 | U | 100 | P | 08/13/2025 | 14:58 | LB136801 |
| | Barium | 72.8 | <250 | U | 500 | P | 08/13/2025 | 14:58 | LB136801 |
| | Cadmium | 2.50 | <15 | U | 30.0 | P | 08/13/2025 | 14:58 | LB136801 |
| | Chromium | 10.6 | <25 | U | 50.0 | P | 08/13/2025 | 14:58 | LB136801 |
| | Lead | 11.5 | <30 | U | 60.0 | P | 08/13/2025 | 14:58 | LB136801 |
| | Selenium | 48.2 | <50 | U | 100 | P | 08/13/2025 | 14:58 | LB136801 |
| | Silver | 8.10 | <25 | U | 50.0 | P | 08/13/2025 | 14:58 | LB136801 |

# METAL CALIBRATION DATA

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2826

**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 |
|---|---|---|---|---|---|---|---|---|---|
| ICV12 | Mercury | 4.10 | 4.0 | 103 | 90 - 110 | CV | 08/13/2025 | 11:10 | LB136797 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2826

**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 |
|---|---|---|---|---|---|---|---|---|---|
| CCV35 | Mercury | 5.06 | 5.0 | 101 | 90 - 110 | CV | 08/13/2025 | 11:22 | LB136797 |
| CCV36 | Mercury | 4.95 | 5.0 | 99 | 90 - 110 | CV | 08/13/2025 | 11:49 | LB136797 |
| CCV37 | Mercury | 4.96 | 5.0 | 99 | 90 - 110 | CV | 08/13/2025 | 12:08 | LB136797 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2826

**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 | Arsenic | 3870 | 4000 | 97 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Barium | 7790 | 8000 | 97 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Cadmium | 1920 | 2000 | 96 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Chromium | 788 | 800 | 98 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Lead | 3770 | 4000 | 94 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Selenium | 3880 | 4000 | 97 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |
| | Silver | 1030 | 1000 | 103 | 90 - 110 | P | 08/13/2025 | 12:21 | LB136801 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2826

**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 | Arsenic | 21.3 | 20.0 | 106 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Barium | 94.7 | 100 | 95 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Cadmium | 5.59 | 6.0 | 93 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Chromium | 10.5 | 10.0 | 105 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Lead | 11.2 | 12.0 | 93 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Selenium | 19.2 | 20.0 | 96 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |
| | Silver | 10.1 | 10.0 | 101 | 80 - 120 | P | 08/13/2025 | 12:28 | LB136801 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2826

**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 | Arsenic | 4900 | 5000 | 98 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Barium | 9640 | 10000 | 96 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Cadmium | 2430 | 2500 | 97 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Chromium | 1000 | 1000 | 100 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Lead | 4860 | 5000 | 97 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Selenium | 4930 | 5000 | 98 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| | Silver | 1230 | 1250 | 99 | 90 - 110 | P | 08/13/2025 | 12:58 | LB136801 |
| CCV02 | Arsenic | 4950 | 5000 | 99 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Barium | 9660 | 10000 | 97 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Cadmium | 2430 | 2500 | 97 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Chromium | 987 | 1000 | 99 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Lead | 4850 | 5000 | 97 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Selenium | 4980 | 5000 | 100 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| | Silver | 1240 | 1250 | 99 | 90 - 110 | P | 08/13/2025 | 13:42 | LB136801 |
| CCV03 | Arsenic | 4990 | 5000 | 100 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Barium | 9670 | 10000 | 97 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Cadmium | 2430 | 2500 | 97 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Chromium | 993 | 1000 | 99 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Lead | 4860 | 5000 | 97 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Selenium | 5020 | 5000 | 100 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| | Silver | 1240 | 1250 | 99 | 90 - 110 | P | 08/13/2025 | 14:33 | LB136801 |
| CCV04 | Arsenic | 5010 | 5000 | 100 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Barium | 9660 | 10000 | 97 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Cadmium | 2430 | 2500 | 97 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Chromium | 991 | 1000 | 99 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Lead | 4860 | 5000 | 97 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Selenium | 5070 | 5000 | 101 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| | Silver | 1240 | 1250 | 99 | 90 - 110 | P | 08/13/2025 | 15:23 | LB136801 |
| CCV05 | Arsenic | 5010 | 5000 | 100 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Barium | 9840 | 10000 | 98 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Cadmium | 2400 | 2500 | 96 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Chromium | 991 | 1000 | 99 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Lead | 4810 | 5000 | 96 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| | Selenium | 5070 | 5000 | 101 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** G Environmental **SDG No.:** Q2826

**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 | Silver | 1250 | 1250 | 100 | 90 - 110 | P | 08/13/2025 | 16:14 | LB136801 |
| CCV06 | Arsenic | 5040 | 5000 | 101 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Barium | 9810 | 10000 | 98 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Cadmium | 2420 | 2500 | 97 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Chromium | 988 | 1000 | 99 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Lead | 4850 | 5000 | 97 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Selenium | 5150 | 5000 | 103 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| | Silver | 1260 | 1250 | 100 | 90 - 110 | P | 08/13/2025 | 17:05 | LB136801 |
| CCV07 | Arsenic | 5060 | 5000 | 101 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Barium | 9850 | 10000 | 98 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Cadmium | 2440 | 2500 | 98 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Chromium | 1010 | 1000 | 101 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Lead | 4880 | 5000 | 98 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Selenium | 5160 | 5000 | 103 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |
| | Silver | 1260 | 1250 | 100 | 90 - 110 | P | 08/13/2025 | 17:46 | LB136801 |

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# Metals

## - 2b -
## CRDL STANDARD FOR AA & ICP

**Client:** G Environmental **SDG No.:** Q2826

**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 | 08/13/2025 | 11:26 | LB136797 |
| CRI01 | Arsenic | 20.6 | 20.0 | 103 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Barium | 93.9 | 100 | 94 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Cadmium | 5.49 | 6.0 | 92 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Chromium | 10.00 | 10.0 | 100 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Lead | 10.0 | 12.0 | 83 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Selenium | 21.1 | 20.0 | 106 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |
| | Silver | 10.3 | 10.0 | 103 | 65 - 135 | P | 08/13/2025 | 12:37 | LB136801 |

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# Metals
## - 4 -
## INTERFERENCE CHECK SAMPLE

**Client:** G Environmental **SDG No.:** Q2826

**Contract:** GENV01 **Lab Code:** ACE

**ICS Source:** EPA **Instrument ID:** P4

| Sample ID | Analyte | Result ug/L | True Value ug/L | % Recovery | Low Limit (ug/L) | High Limit (ug/L) | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **ICSA01** | Arsenic | 13.5 | | | -20 | 20 | 08/13/2025 | 12:41 | LB136801 |
| | Barium | -0.47 | 6.0 | 8 | -94 | 106 | 08/13/2025 | 12:41 | LB136801 |
| | Cadmium | 2.33 | 1.0 | 233 | -5 | 7 | 08/13/2025 | 12:41 | LB136801 |
| | Chromium | 58.2 | 52.0 | 112 | 42 | 62 | 08/13/2025 | 12:41 | LB136801 |
| | Lead | -6.38 | | | -12 | 12 | 08/13/2025 | 12:41 | LB136801 |
| | Selenium | 2.91 | | | -20 | 20 | 08/13/2025 | 12:41 | LB136801 |
| | Silver | 2.33 | | | -10 | 10 | 08/13/2025 | 12:41 | LB136801 |
| **ICSAB01** | Arsenic | 111 | 104 | 107 | 88.4 | 120 | 08/13/2025 | 12:45 | LB136801 |
| | Barium | 492 | 537 | 92 | 437 | 637 | 08/13/2025 | 12:45 | LB136801 |
| | Cadmium | 994 | 972 | 102 | 826 | 1120 | 08/13/2025 | 12:45 | LB136801 |
| | Chromium | 558 | 542 | 103 | 460 | 624 | 08/13/2025 | 12:45 | LB136801 |
| | Lead | 42.2 | 49.0 | 86 | 37 | 61 | 08/13/2025 | 12:45 | LB136801 |
| | Selenium | 50.5 | 46.0 | 110 | 26 | 66 | 08/13/2025 | 12:45 | LB136801 |
| | Silver | 216 | 201 | 108 | 170 | 232 | 08/13/2025 | 12:45 | LB136801 |

# METAL QC DATA

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# metals
## - 5a -
## MATRIX SPIKE SUMMARY

**client:** G Environmental **level:** low **sdg no.:** Q2826

**contract:** GENV01 **lab code:** ACE

**matrix:** Water **sample id:** Q2831-03 **client id:** VNJ-238MS

**Percent Solids for Sample:** NA **Spiked ID:** Q2831-03MS **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | ug/L | 75 - 125 | 4230 | | 100 | U | 4000 | 106 | | P |
| Barium | ug/L | 75 - 125 | 1910 | | 1260 | | 1000 | 65 | N | P |
| Cadmium | ug/L | 75 - 125 | 1010 | | 4.99 | J | 1000 | 101 | | P |
| Chromium | ug/L | 75 - 125 | 2100 | | 50.0 | U | 2000 | 105 | | P |
| Lead | ug/L | 75 - 125 | 4830 | | 36.2 | J | 5000 | 96 | | P |
| Mercury | ug/L | 75 - 125 | 41.3 | | 2.00 | U | 40.0 | 103 | | CV |
| Selenium | ug/L | 75 - 125 | 10500 | | 100 | U | 10000 | 105 | | P |
| Silver | ug/L | 75 - 125 | 388 | | 50.0 | U | 380 | 102 | | P |

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# metals
## - 5a -
## MATRIX SPIKE DUPLICATE SUMMARY

**client:** G Environmental **level:** low **sdg no.:** Q2826

**contract:** GENV01 **lab code:** ACE

**matrix:** Water **sample id:** Q2831-03 **client id:** VNJ-238MSD

**Percent Solids for Sample:** NA **Spiked ID:** Q2831-03MSD **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit %R | MSD Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | ug/L | 75 - 125 | 4120 | | 100 | U | 4000 | 103 | | P |
| Barium | ug/L | 75 - 125 | 2040 | | 1260 | | 1000 | 78 | | P |
| Cadmium | ug/L | 75 - 125 | 989 | | 4.99 | J | 1000 | 98 | | P |
| Chromium | ug/L | 75 - 125 | 2070 | | 50.0 | U | 2000 | 104 | | P |
| Lead | ug/L | 75 - 125 | 4680 | | 36.2 | J | 5000 | 93 | | P |
| Mercury | ug/L | 75 - 125 | 41.7 | | 2.00 | U | 40.0 | 104 | | CV |
| Selenium | ug/L | 75 - 125 | 10400 | | 100 | U | 10000 | 104 | | P |
| Silver | ug/L | 75 - 125 | 381 | | 50.0 | U | 380 | 100 | | P |

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# Metals
## - 5b -
## POST DIGEST SPIKE SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**Contract:** GENV01 **Lab Code:** ACE

**Matrix:** Water **Level:** LOW **Client ID:** VNJ-238A

**Sample ID:** Q2831-03 **Spiked ID:** Q2831-03A

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Barium | ug/L | 75 - 125 | 2080 | | 1260 | | 1000 | 81 | | P |

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# Metals

## - 6 -

## DUPLICATE SAMPLE SUMMARY

**Client:** G Environmental **Level:** LOW **SDG No.:** Q2826

**Contract:** GENV01 **Lab Code:** ACE

**Matrix:** Water **Sample ID:** Q2831-03 **Client ID:** VNJ-238DUP

**Percent Solids for Sample:** NA **Duplicate ID** Q2831-03DUP **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | ug/L | 20 | 100 | U | 100 | U | | | P |
| Barium | ug/L | 20 | 1260 | | 683 | | 59 | * | P |
| Cadmium | ug/L | 20 | 4.99 | J | 30.0 | U | 200.0 | | P |
| Chromium | ug/L | 20 | 50.0 | U | 50.0 | U | | | P |
| Lead | ug/L | 20 | 36.2 | J | 17.5 | J | 70 | | P |
| Mercury | ug/L | 20 | 2.00 | U | 2.00 | U | | | CV |
| Selenium | ug/L | 20 | 100 | U | 100 | U | | | P |
| Silver | ug/L | 20 | 50.0 | U | 50.0 | U | | | 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.:** Q2826

**Contract:** GENV01 **Lab Code:** ACE

**Matrix:** Water **Sample ID:** Q2831-03MS **Client ID:** VNJ-238MSD

**Percent Solids for Sample:** NA **Duplicate ID** Q2831-03MSD **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | ug/L | 20 | 4230 | | 4120 | | 3 | | P |
| Barium | ug/L | 20 | 1910 | | 2040 | | 7 | | P |
| Cadmium | ug/L | 20 | 1010 | | 989 | | 2 | | P |
| Chromium | ug/L | 20 | 2100 | | 2070 | | 1 | | P |
| Lead | ug/L | 20 | 4830 | | 4680 | | 3 | | P |
| Mercury | ug/L | 20 | 41.3 | | 41.7 | | 1 | | CV |
| Selenium | ug/L | 20 | 10500 | | 10400 | | 1 | | P |
| Silver | ug/L | 20 | 388 | | 381 | | 2 | | P |

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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## LABORATORY CONTROL SAMPLE SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**Contract:** GENV01 **Lab Code:** ACE

| Analyte | Units | True Value | Result | C | % Recovery | Acceptance Limits | M |
|---|---|---|---|---|---|---|---|
| PB169214BS | | | | | | | |
| Arsenic | ug/L | 4000 | 3970 | | 99 | 80 - 120 | P |
| Barium | ug/L | 1000 | 945 | | 94 | 80 - 120 | P |
| Cadmium | ug/L | 1000 | 950 | | 95 | 80 - 120 | P |
| Chromium | ug/L | 2000 | 2050 | | 102 | 80 - 120 | P |
| Lead | ug/L | 5000 | 4780 | | 96 | 80 - 120 | P |
| Selenium | ug/L | 10000 | 10100 | | 101 | 80 - 120 | P |
| Silver | ug/L | 380 | 383 | | 101 | 80 - 120 | P |

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## LABORATORY CONTROL SAMPLE SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**Contract:** GENV01 **Lab Code:** ACE

| Analyte | Units | True Value | Result | C | % Recovery | Acceptance Limits | M |
|---|---|---|---|---|---|---|---|
| PB169233BS | | | | | | | |
| Mercury | ug/L | 4.0 | 4.02 | | 100 | 80 - 120 | CV |

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# Metals

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## ICP SERIAL DILUTIONS

SAMPLE NO.

VNJ-238L

**Lab Name:** Alliance **Contract:** GENV01

**Lab Code:** ACE **Lb No.:** lb136801 **Lab Sample ID :** Q2831-03L **SDG No.:** Q2826

**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 |
|---|---|---|---|---|---|---|---|
| Arsenic | 100 | U | 500 | U | | | P |
| Barium | 1260 | | 1140 | J | 10 | | P |
| Cadmium | 4.99 | J | 150 | U | 100.0 | | P |
| Chromium | 50.0 | U | 250 | U | | | P |
| Lead | 36.2 | J | 300 | U | 100.0 | | P |
| Mercury | 2.00 | U | 10.0 | U | | | CV |
| Selenium | 100 | U | 500 | U | | | P |
| Silver | 50.0 | U | 250 | U | | | P |

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**metals**
**- 14 -**
**ANALYSIS RUN LOG**

**Client:** G Environmental **Contract:** GENV01

**Lab code:** ACE **Sdg no.:** Q2826

**Instrument id number:** **Method:** **Run number:** LB136797

**Start date:** 08/13/2025 **End date:** 08/13/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| S0 | S0 | 1 | 1055 | HG |
| S0.2 | S0.2 | 1 | 1057 | HG |
| S2.5 | S2.5 | 1 | 1059 | HG |
| S5 | S5 | 1 | 1102 | HG |
| S7.5 | S7.5 | 1 | 1104 | HG |
| S10 | S10 | 1 | 1106 | HG |
| ICV12 | ICV12 | 1 | 1110 | HG |
| ICB12 | ICB12 | 1 | 1119 | HG |
| CCV35 | CCV35 | 1 | 1122 | HG |
| CCB35 | CCB35 | 1 | 1124 | HG |
| CRA | CRA | 1 | 1126 | HG |
| PB169233BL | PB169233BL | 1 | 1133 | HG |
| PB169233BS | PB169233BS | 1 | 1135 | HG |
| Q2826-02 | WC1 | 1 | 1140 | HG |
| CCV36 | CCV36 | 1 | 1149 | HG |
| CCB36 | CCB36 | 1 | 1151 | HG |
| Q2831-03DUP | VNJ-238DUP | 1 | 1154 | HG |
| Q2831-03MS | VNJ-238MS | 1 | 1156 | HG |
| Q2831-03MSD | VNJ-238MSD | 1 | 1158 | HG |
| Q2831-03L | VNJ-238L | 5 | 1201 | HG |
| PB169200TB | PB169200TB | 1 | 1205 | HG |
| CCV37 | CCV37 | 1 | 1208 | HG |
| CCB37 | CCB37 | 1 | 1210 | HG |

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# metals
## - 14 -
## ANALYSIS RUN LOG

**Client:** G Environmental **Contract:** GENV01

**Lab code:** ACE **Sdg no.:** Q2826

**Instrument id number:** **Method:** **Run number:** LB136801

**Start date:** 08/13/2025 **End date:** 08/13/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| S0 | S0 | 1 | 1156 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S1 | S1 | 1 | 1200 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S2 | S2 | 1 | 1204 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S3 | S3 | 1 | 1208 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S4 | S4 | 1 | 1212 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S5 | S5 | 1 | 1217 | Ag,As,Ba,Cd,Cr,Pb,Se |
| ICV01 | ICV01 | 1 | 1221 | Ag,As,Ba,Cd,Cr,Pb,Se |
| LLICV01 | LLICV01 | 1 | 1228 | Ag,As,Ba,Cd,Cr,Pb,Se |
| ICB01 | ICB01 | 1 | 1233 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CRI01 | CRI01 | 1 | 1237 | Ag,As,Ba,Cd,Cr,Pb,Se |
| ICSA01 | ICSA01 | 1 | 1241 | Ag,As,Ba,Cd,Cr,Pb,Se |
| ICSAB01 | ICSAB01 | 1 | 1245 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV01 | CCV01 | 1 | 1258 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB01 | CCB01 | 1 | 1303 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV02 | CCV02 | 1 | 1342 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB02 | CCB02 | 1 | 1346 | Ag,As,Ba,Cd,Cr,Pb,Se |
| Q2831-03DUP | VNJ-238DUP | 1 | 1428 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV03 | CCV03 | 1 | 1433 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB03 | CCB03 | 1 | 1437 | Ag,As,Ba,Cd,Cr,Pb,Se |
| Q2831-03L | VNJ-238L | 5 | 1441 | Ag,As,Ba,Cd,Cr,Pb,Se |
| Q2831-03MS | VNJ-238MS | 1 | 1446 | Ag,As,Ba,Cd,Cr,Pb,Se |
| Q2831-03MSD | VNJ-238MSD | 1 | 1450 | Ag,As,Ba,Cd,Cr,Pb,Se |
| Q2831-03A | VNJ-238A | 1 | 1454 | Ba |
| PB169214BL | PB169214BL | 1 | 1458 | Ag,As,Ba,Cd,Cr,Pb,Se |
| PB169214BS | PB169214BS | 1 | 1502 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV04 | CCV04 | 1 | 1523 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB04 | CCB04 | 1 | 1527 | Ag,As,Ba,Cd,Cr,Pb,Se |
| PB169200TB | PB169200TB | 1 | 1531 | Ag,As,Ba,Cd,Cr,Pb,Se |
| Q2826-02 | WC1 | 1 | 1540 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV05 | CCV05 | 1 | 1614 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB05 | CCB05 | 1 | 1619 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV06 | CCV06 | 1 | 1705 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB06 | CCB06 | 1 | 1709 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV07 | CCV07 | 1 | 1746 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB07 | CCB07 | 1 | 1750 | Ag,As,Ba,Cd,Cr,Pb,Se |

# METAL PREPARATION & INSTRUMENT DATA

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

**Client:** G Environmental **SDG No.:** Q2826

**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 |
|---|---|---|---|---|---|---|
| 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 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000930 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | -0.0000920 | 0.0000000 | 0.0000380 | 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 |

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

**Client:** G Environmental **SDG No.:** Q2826

**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 |
|---|---|---|---|---|---|---|
| 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 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0002870 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0003170 | 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 |

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

**Client:** G Environmental **SDG No.:** Q2826

**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 |
|---|---|---|---|---|---|---|
| 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 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000070 | 0.0002200 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001400 | -0.0008600 |
| 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 |

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

**Client:** G Environmental **SDG No.:** Q2826

**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 |
|---|---|---|---|---|---|---|
| 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 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0006580 | 0.0000000 | 0.0000000 | 0.0001290 |
| 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 |

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

**Client:** G Environmental **SDG No.:** Q2826

**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 |
|---|---|---|---|---|---|---|
| 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 |
| Cadmium | 226.502 | 0.0000000 | 0.0000630 | 0.0001280 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001110 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | -0.0003610 | 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 |

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q2826 | **OrderDate:** | 8/11/2025 2:06:00 PM |
| **Client:** | G Environmental | **Project:** | Ave B |
| **Contact:** | Gary Landis | **Location:** | --Select--,D31,VOA Ref. #2 Soil |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q2826-01** | **WC1** | **SOIL** | | | **08/11/25** | | | **08/11/25** |
| | | | Mercury | 7471B | | 08/11/25 | 08/12/25 | |
| | | | Metals ICP-TAL | 6010D | | 08/12/25 | 08/13/25 | |
| **Q2826-02** | **WC1** | **TCLP** | | | **08/11/25** | | | **08/11/25** |
| | | | TCLP ICP Metals | 6010D | | 08/12/25 | 08/13/25 | |
| | | | TCLP Mercury | 7470A | | 08/12/25 | 08/13/25 | |

# METAL PREPARATION & ANALYICAL SUMMARY

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# Metals
## - 13 -
## SAMPLE PREPARATION SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**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:** | **PB169214** | | | | | | |
| PB169200TB | PB169200TB | MB | WATER | 08/12/2025 | 5.0 | 25.0 | |
| PB169214BL | PB169214BL | MB | WATER | 08/12/2025 | 5.0 | 25.0 | |
| PB169214BS | PB169214BS | LCS | WATER | 08/12/2025 | 5.0 | 25.0 | |
| Q2826-02 | WC1 | SAM | WATER | 08/12/2025 | 5.0 | 25.0 | |
| Q2831-03DUP | VNJ-238DUP | DUP | WATER | 08/12/2025 | 5.0 | 25.0 | |
| Q2831-03MS | VNJ-238MS | MS | WATER | 08/12/2025 | 5.0 | 25.0 | |
| Q2831-03MSD | VNJ-238MSD | MSD | WATER | 08/12/2025 | 5.0 | 25.0 | |

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# Metals
## - 13 -
## SAMPLE PREPARATION SUMMARY

**Client:** G Environmental **SDG No.:** Q2826

**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:** | **PB169233** | | | | | | |
| PB169200TB | PB169200TB | MB | WATER | 08/12/2025 | 3.0 | 30.0 | |
| PB169233BL | PB169233BL | MB | WATER | 08/12/2025 | 30.0 | 30.0 | |
| PB169233BS | PB169233BS | LCS | WATER | 08/12/2025 | 30.0 | 30.0 | |
| Q2826-02 | WC1 | SAM | WATER | 08/12/2025 | 3.0 | 30.0 | |
| Q2831-03DUP | VNJ-238DUP | DUP | WATER | 08/12/2025 | 3.0 | 30.0 | |
| Q2831-03MS | VNJ-238MS | MS | WATER | 08/12/2025 | 3.0 | 30.0 | |
| Q2831-03MSD | VNJ-238MSD | MSD | WATER | 08/12/2025 | 3.0 | 30.0 | |

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**Instrument ID:** CV1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136797

| | | | |
|---|---|---|---|
| Review By | sagar | Review On | 8/13/2025 12:41:39 PM |
| Supervise By | jaswal | Supervise On | 8/13/2025 9:42:39 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86723,MP86723,MP86724,MP86725,MP86726,MP86727,MP86729 |
| ICV Standard | MP86729 |
| CCV Standard | MP86731 |
| ICSA Standard | |
| CRI Standard | MP86733 |
| LCS Standard | |
| Chk Standard | MP86730,MP86732,MP86734,MP86737 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | S0 | S0 | CAL1 | 08/13/25 10:55 | | sagar | OK |
| 2 | S0.2 | S0.2 | CAL2 | 08/13/25 10:57 | | sagar | OK |
| 3 | S2.5 | S2.5 | CAL3 | 08/13/25 10:59 | | sagar | OK |
| 4 | S5 | S5 | CAL4 | 08/13/25 11:02 | | sagar | OK |
| 5 | S7.5 | S7.5 | CAL5 | 08/13/25 11:04 | | sagar | OK |
| 6 | S10 | S10 | CAL6 | 08/13/25 11:06 | | sagar | OK |
| 7 | ICV12 | ICV12 | ICV | 08/13/25 11:10 | | sagar | OK |
| 8 | ICB12 | ICB12 | ICB | 08/13/25 11:19 | | sagar | OK |
| 9 | CCV35 | CCV35 | CCV | 08/13/25 11:22 | | sagar | OK |
| 10 | CCB35 | CCB35 | CCB | 08/13/25 11:24 | | sagar | OK |
| 11 | CRA | CRA | CRDL | 08/13/25 11:26 | | sagar | OK |
| 12 | HighStd | HighStd | HIGH STD | 08/13/25 11:28 | | sagar | OK |
| 13 | ChkStd | ChkStd | SAM | 08/13/25 11:31 | | sagar | OK |
| 14 | PB169233BL | PB169233BL | MB | 08/13/25 11:33 | | sagar | OK |
| 15 | PB169233BS | PB169233BS | LCS | 08/13/25 11:35 | | sagar | OK |
| 16 | Q2808-04 | TP-7 | SAM | 08/13/25 11:38 | | sagar | OK |
| 17 | Q2826-02 | WC1 | SAM | 08/13/25 11:40 | | sagar | OK |
| 18 | Q2827-04 | TP-8 | SAM | 08/13/25 11:42 | | sagar | OK |

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**Instrument ID:** CV1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136797

| | | | |
|---|---|---|---|
| Review By | sagar | Review On | 8/13/2025 12:41:39 PM |
| Supervise By | jaswal | Supervise On | 8/13/2025 9:42:39 PM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86723,MP86723,MP86724,MP86725,MP86726,MP86727,MP86729 |
| ICV Standard | MP86729 |
| CCV Standard | MP86731 |
| ICSA Standard | |
| CRI Standard | MP86733 |
| LCS Standard | |
| Chk Standard | MP86730,MP86732,MP86734,MP86737 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q2827-08 | TP-9 | SAM | 08/13/25 11:44 | | sagar | OK |
| 20 | Q2831-03 | VNJ-238 | SAM | 08/13/25 11:47 | | sagar | OK |
| 21 | CCV36 | CCV36 | CCV | 08/13/25 11:49 | | sagar | OK |
| 22 | CCB36 | CCB36 | CCB | 08/13/25 11:51 | | sagar | OK |
| 23 | Q2831-03DUP | VNJ-238DUP | DUP | 08/13/25 11:54 | | sagar | OK |
| 24 | Q2831-03MS | VNJ-238MS | MS | 08/13/25 11:56 | | sagar | OK |
| 25 | Q2831-03MSD | VNJ-238MSD | MSD | 08/13/25 11:58 | | sagar | OK |
| 26 | Q2831-03L | VNJ-238L | SD | 08/13/25 12:01 | | sagar | OK |
| 27 | Q2831-03A | VNJ-238A | PS | 08/13/25 12:03 | | sagar | OK |
| 28 | PB169200TB | PB169200TB | MB | 08/13/25 12:05 | | sagar | OK |
| 29 | CCV37 | CCV37 | CCV | 08/13/25 12:08 | | sagar | OK |
| 30 | CCB37 | CCB37 | CCB | 08/13/25 12:10 | | sagar | OK |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136801

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 8/15/2025 10:10:36 AM |
| Supervise By | jaswal | Supervise On | 8/19/2025 2:31:42 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86640,MP86656,MP86653,MP86643,MP86642,MP86641 |
| ICV Standard | MP86752,MP86656 |
| CCV Standard | MP86646 |
| ICSA Standard | MP86651,MP86753 |
| CRI Standard | MP86656 |
| LCS Standard | |
| Chk Standard | MP86647,MP86648 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | S0 | S0 | CAL1 | 08/13/25 11:56 | | Jaswal | OK |
| 2 | S1 | S1 | CAL2 | 08/13/25 12:00 | | Jaswal | OK |
| 3 | S2 | S2 | CAL3 | 08/13/25 12:04 | | Jaswal | OK |
| 4 | S3 | S3 | CAL4 | 08/13/25 12:08 | | Jaswal | OK |
| 5 | S4 | S4 | CAL5 | 08/13/25 12:12 | | Jaswal | OK |
| 6 | S5 | S5 | CAL6 | 08/13/25 12:17 | | Jaswal | OK |
| 7 | ICV01 | ICV01 | ICV | 08/13/25 12:21 | | Jaswal | OK |
| 8 | LLICV01 | LLICV01 | LLICV | 08/13/25 12:28 | | Jaswal | OK |
| 9 | ICB01 | ICB01 | ICB | 08/13/25 12:33 | | Jaswal | OK |
| 10 | CRI01 | CRI01 | CRDL | 08/13/25 12:37 | | Jaswal | OK |
| 11 | ICSA01 | ICSA01 | ICSA | 08/13/25 12:41 | | Jaswal | OK |
| 12 | ICSAB01 | ICSAB01 | ICSAB | 08/13/25 12:45 | | Jaswal | OK |
| 13 | ICSADL | ICSADL | ICSA | 08/13/25 12:49 | | Jaswal | OK |
| 14 | ICSABDL | ICSABDL | ICSAB | 08/13/25 12:54 | | Jaswal | OK |
| 15 | CCV01 | CCV01 | CCV | 08/13/25 12:58 | | Jaswal | OK |
| 16 | CCB01 | CCB01 | CCB | 08/13/25 13:03 | | Jaswal | OK |
| 17 | Q2828-01 | POWDER | SAM | 08/13/25 13:07 | | Jaswal | OK |
| 18 | Q2828-01DUP | POWDERDUP | DUP | 08/13/25 13:12 | | Jaswal | OK |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136801

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 8/15/2025 10:10:36 AM |
| Supervise By | jaswal | Supervise On | 8/19/2025 2:31:42 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86640,MP86656,MP86653,MP86643,MP86642,MP86641 |
| ICV Standard | MP86752,MP86656 |
| CCV Standard | MP86646 |
| ICSA Standard | MP86651,MP86753 |
| CRI Standard | MP86656 |
| LCS Standard | |
| Chk Standard | MP86647,MP86648 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q2828-01L | POWDERL | SD | 08/13/25 13:16 | | Jaswal | OK |
| 20 | Q2828-01MS | POWDERMS | MS | 08/13/25 13:20 | | Jaswal | OK |
| 21 | Q2828-01MSD | POWDERMSD | MSD | 08/13/25 13:25 | | Jaswal | OK |
| 22 | Q2828-01A | POWDERA | PS | 08/13/25 13:30 | 0.1 ml of each M6004 and M6017 in 10ml sample | Jaswal | OK |
| 23 | CCV02 | CCV02 | CCV | 08/13/25 13:42 | | Jaswal | OK |
| 24 | CCB02 | CCB02 | CCB | 08/13/25 13:46 | | Jaswal | OK |
| 25 | Q2830-01 | BIN0009-DRIVEWAY- | SAM | 08/13/25 13:50 | | Jaswal | OK |
| 26 | Q2830-03 | BIN0009-DRIVEWAY- | SAM | 08/13/25 13:55 | | Jaswal | OK |
| 27 | Q2830-05 | BIN0009-DRIVEWAY- | SAM | 08/13/25 13:59 | | Jaswal | OK |
| 28 | Q2830-07 | BIN0009-DRIVEWAY- | SAM | 08/13/25 14:03 | | Jaswal | OK |
| 29 | Q2831-01 | VNJ-238 | SAM | 08/13/25 14:07 | | Jaswal | OK |
| 30 | Q2818-01 | B-2-5-1 | SAM | 08/13/25 14:11 | | Jaswal | OK |
| 31 | Q2818-02 | B-3-5-2 | SAM | 08/13/25 14:16 | | Jaswal | OK |
| 32 | Q2823-01 | SU-04-081125 | SAM | 08/13/25 14:20 | | Jaswal | OK |
| 33 | Q2831-03 | VNJ-238 | SAM | 08/13/25 14:24 | | Jaswal | OK |
| 34 | Q2831-03DUP | VNJ-238DUP | DUP | 08/13/25 14:28 | | Jaswal | OK |
| 35 | CCV03 | CCV03 | CCV | 08/13/25 14:33 | | Jaswal | OK |
| 36 | CCB03 | CCB03 | CCB | 08/13/25 14:37 | | Jaswal | OK |
| 37 | Q2831-03L | VNJ-238L | SD | 08/13/25 14:41 | | Jaswal | OK |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136801

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 8/15/2025 10:10:36 AM |
| Supervise By | jaswal | Supervise On | 8/19/2025 2:31:42 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86640,MP86656,MP86653,MP86643,MP86642,MP86641 |
| ICV Standard | MP86752,MP86656 |
| CCV Standard | MP86646 |
| ICSA Standard | MP86651,MP86753 |
| CRI Standard | MP86656 |
| LCS Standard | |
| Chk Standard | MP86647,MP86648 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 38 | Q2831-03MS | VNJ-238MS | MS | 08/13/25 14:46 | | Jaswal | OK |
| 39 | Q2831-03MSD | VNJ-238MSD | MSD | 08/13/25 14:50 | | Jaswal | OK |
| 40 | Q2831-03A | VNJ-238A | PS | 08/13/25 14:54 | 0.1 ml of each M6004 and M6017 in 10ml sample | Jaswal | OK |
| 41 | PB169214BL | PB169214BL | MB | 08/13/25 14:58 | | Jaswal | OK |
| 42 | PB169214BS | PB169214BS | LCS | 08/13/25 15:02 | | Jaswal | OK |
| 43 | PB169211BL | PB169211BL | MB | 08/13/25 15:06 | | Jaswal | OK |
| 44 | PB169215BL | PB169215BL | MB | 08/13/25 15:15 | | Jaswal | OK |
| 45 | PB169211BS | PB169211BS | LCS | 08/13/25 15:19 | | Jaswal | OK |
| 46 | CCV04 | CCV04 | CCV | 08/13/25 15:23 | | Jaswal | OK |
| 47 | CCB04 | CCB04 | CCB | 08/13/25 15:27 | | Jaswal | OK |
| 48 | PB169200TB | PB169200TB | MB | 08/13/25 15:31 | | Jaswal | OK |
| 49 | Q2808-04 | TP-7 | SAM | 08/13/25 15:36 | | Jaswal | OK |
| 50 | Q2826-02 | WC1 | SAM | 08/13/25 15:40 | | Jaswal | OK |
| 51 | Q2827-04 | TP-8 | SAM | 08/13/25 15:45 | | Jaswal | OK |
| 52 | Q2827-08 | TP-9 | SAM | 08/13/25 15:49 | | Jaswal | OK |
| 53 | Q2808-01 | TP-7 | SAM | 08/13/25 15:53 | | Jaswal | OK |
| 54 | Q2817-01 | LEAD-PAINT-CHIPS | SAM | 08/13/25 15:58 | | Jaswal | OK |
| 55 | Q2819-06 | 11M-S | SAM | 08/13/25 16:02 | | Jaswal | OK |
| 56 | Q2819-11 | 84SB-W | SAM | 08/13/25 16:06 | | Jaswal | OK |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136801

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 8/15/2025 10:10:36 AM |
| Supervise By | jaswal | Supervise On | 8/19/2025 2:31:42 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86640,MP86656,MP86653,MP86643,MP86642,MP86641 |
| ICV Standard | MP86752,MP86656 |
| CCV Standard | MP86646 |
| ICSA Standard | MP86651,MP86753 |
| CRI Standard | MP86656 |
| LCS Standard | |
| Chk Standard | MP86647,MP86648 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 57 | Q2819-14 | 17M-W | SAM | 08/13/25 16:10 | | Jaswal | OK |
| 58 | CCV05 | CCV05 | CCV | 08/13/25 16:14 | | Jaswal | OK |
| 59 | CCB05 | CCB05 | CCB | 08/13/25 16:19 | | Jaswal | OK |
| 60 | Q2820-09 | 705R-S | SAM | 08/13/25 16:23 | | Jaswal | OK |
| 61 | Q2820-10 | SOIL-DUP-2 | SAM | 08/13/25 16:27 | | Jaswal | OK |
| 62 | Q2820-24 | 22M-S | SAM | 08/13/25 16:31 | | Jaswal | OK |
| 63 | Q2826-01 | WC1 | SAM | 08/13/25 16:35 | | Jaswal | OK |
| 64 | Q2827-01 | TP-8 | SAM | 08/13/25 16:39 | | Jaswal | OK |
| 65 | Q2827-05 | TP-9 | SAM | 08/13/25 16:44 | | Jaswal | OK |
| 66 | Q2829-01 | SILICA | SAM | 08/13/25 16:48 | | Jaswal | OK |
| 67 | Q2832-09 | TG-S05 | SAM | 08/13/25 16:52 | | Jaswal | OK |
| 68 | Q2832-09DUP | TG-S05DUP | DUP | 08/13/25 16:56 | | Jaswal | OK |
| 69 | Q2832-09L | TG-S05L | SD | 08/13/25 17:00 | | Jaswal | OK |
| 70 | CCV06 | CCV06 | CCV | 08/13/25 17:05 | | Jaswal | OK |
| 71 | CCB06 | CCB06 | CCB | 08/13/25 17:09 | | Jaswal | OK |
| 72 | Q2832-09MS | TG-S05MS | MS | 08/13/25 17:13 | | Jaswal | OK |
| 73 | Q2832-09MSD | TG-S05MSD | MSD | 08/13/25 17:17 | | Jaswal | OK |
| 74 | Q2832-09A | TG-S05A | PS | 08/13/25 17:21 | 0.1 ml of each M6004 and M6017 in 10ml sample | Jaswal | OK |
| 75 | Q2832-03 | TG-S02 | SAM | 08/13/25 17:25 | | Jaswal | OK |

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**Instrument ID:** P4

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136801

| | | | |
|---|---|---|---|
| Review By | Janvi | Review On | 8/15/2025 10:10:36 AM |
| Supervise By | jaswal | Supervise On | 8/19/2025 2:31:42 AM |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | MP86640,MP86656,MP86653,MP86643,MP86642,MP86641 |
| ICV Standard | MP86752,MP86656 |
| CCV Standard | MP86646 |
| ICSA Standard | MP86651,MP86753 |
| CRI Standard | MP86656 |
| LCS Standard | |
| Chk Standard | MP86647,MP86648 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 76 | Q2832-05 | TG-S03 | SAM | 08/13/25 17:29 | | Jaswal | OK |
| 77 | Q2832-07 | TG-S04 | SAM | 08/13/25 17:33 | | Jaswal | OK |
| 78 | PB169215BS | PB169215BS | LCS | 08/13/25 17:42 | | Jaswal | OK |
| 79 | CCV07 | CCV07 | CCV | 08/13/25 17:46 | | Jaswal | OK |
| 80 | CCB07 | CCB07 | CCB | 08/13/25 17:50 | | Jaswal | OK |

Alliance TECHNICAL GROUP

**Water Metals Preparation Sheet**

PB169214

**SOP ID :** M3010A-Digestion-17

**SDG No :** N/A

**Matrix :** WATER

**Pippete ID:** ICP A

**Balance ID :** N/A

**Filter paper ID :** N/A

**pH Strip ID :** M6069

**Hood ID :** #3

**Block ID:** 1. HOT BLOCK #1 2. N/A

**Start Digest Date:** 08/12/2025 **Time :** 12:30 **Temp :** 97 °C

**End Digest Date:** 08/12/2025 **Time :** 15:32 **Temp :** 98 °C

**Digestion tube ID:** M6054

**Block thermometer ID:** MET-DIG. #5

**Dig Technician Signature:** SL

**Supervisor Signature:** JPP

**Temp :** 1. 96°C 2. N/A

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| LFS-1 | 0.25 | M6180 |
| LFS-2 | 0.25 | M6181 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| Conc. HNO3 | 3.00 | M6158 |
| 1:1 HCL | 5.00 | MP85156 |
| 30% H2O2 | N/A | N/A |
| Conc. HCL | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| 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 97C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 08/12/25 16:32 | SL met dig | JPP / Met lab |
| | Preparation Group | Analysis Group |

Alliance TECHNICAL GROUP

**Water Metals Preparation Sheet**

# PB169214

| Lab Sample ID | Client Sample ID | pH | Initial Vol (ml) | Final Vol (ml) | Color Before | Color After | Clarity Before | Clarity After | Comment | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| PB169200TB | PB169200TB | <2 | 5 | 25 | Colorless | Colorless | Clear | Clear | N/A | 1 |
| PB169214BL | PBW214 | <2 | 5 | 25 | Colorless | Colorless | Clear | Clear | N/A | 2 |
| PB169214BS | LCS214 | <2 | 5 | 25 | Colorless | Colorless | Clear | Clear | M6180,M6181 | 3 |
| Q2808-04 | TP-7 | <2 | 5 | 25 | Colorless | Colorless | Clear | Clear | N/A | 4 |
| Q2826-02 | WC1 | <2 | 5 | 25 | Colorless | Colorless | Clear | Clear | N/A | 5 |
| Q2827-04 | TP-8 | <2 | 5 | 25 | Colorless | Colorless | Clear | Clear | N/A | 6 |
| Q2827-08 | TP-9 | <2 | 5 | 25 | Colorless | Colorless | Clear | Clear | N/A | 7 |
| Q2831-03 | VNJ-238 | <2 | 5 | 25 | Colorless | Colorless | Clear | Clear | N/A | 8 |
| Q2831-03MS | VNJ-238MS | <2 | 5 | 25 | Colorless | Colorless | Clear | Clear | M6180,M6181 | 10 |
| Q2831-03MSD | VNJ-238MSD | <2 | 5 | 25 | Colorless | Colorless | Clear | Clear | M6180,M6181 | 11 |
| Q2831-03DUP | VNJ-238DUP | <2 | 5 | 25 | Colorless | Colorless | Clear | Clear | N/A | 9 |

A B C D E F G H I J

Alliance TECHNICAL GROUP

# Water Mercury Preparation Sheet

PB169233

**SOP ID :** M7470A-Mercury-20

**SDG No :** N/A

**Matrix :** WATER

**Pippete ID:** HG A

**Balance ID :** N/A

**Filter paper ID :** N/A

**pH Strip ID :** M6069

**Hood ID :** #1

**Block ID:** 1. HG HOT BLOCK#1 2. N/A

**Start Digest Date:** 08/12/2025 **Time :** 12:30 **Temp :** 95 °C

**End Digest Date:** 08/12/2025 **Time :** 14:32 **Temp :** 95 °C

**Digestion tube ID:** M5595

**Block thermometer ID:** HG-DIG#1

**Dig Technician Signature:** SLG

**Supervisor Signature:**

**Temp :** 1. 95°C 2. N/A

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| ICV | 30mL | MP86729 |
| CCV | 30mL | MP86731 |
| CRA | 30mL | MP86733 |
| Blank Spike | 0.48mL | MP86722 |
| Matrix Spike | 0.48mL | MP86722 |

| 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 | MP86723 |
| 0.05 ppb | S0.05 | N/A | N/A |
| 0.2 ppb | S0.2 | 30mL | MP86724 |
| 2.5 ppb | S2.5 | 30mL | MP86725 |
| 5.0 ppb | S5.0 | 30mL | MP86726 |
| 7.5 ppb | S7.5 | 30mL | MP86727 |
| 10.0 ppb | S10.0 | 30mL | MP86728 |
| ICV | ICV | 30mL | MP86729 |
| ICB | ICB | 30mL | MP86730 |
| CCV | CCV | 30mL | MP86731 |
| CCB | CCB | 30mL | MP86732 |
| CRI | CRI | 30mL | MP86733 |
| CHK STD | CHK STD | 30mL | MP86734 |

**Extraction Conformance/Non-Conformance Comments:**

N/A

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 08/12/25 15:32 | SLS not dig | Metals (MB |
| | Preparation Group | Analysis Group |

Alliance TECHNICAL GROUP

## Water Mercury Preparation Sheet

**PB169233**

| Lab Sample ID | Client Sample ID | Initial Vol (ml) | Final Vol (ml) | pH | Comment | Prep Pos |
|---|---|---|---|---|---|---|
| PB169200TB | PB169200TB | 3 | 30 | <2 | N/A | 1-1 |
| PB169233BL | PBW233 | 30 | 30 | <2 | N/A | 2 |
| PB169233BS | LCS233 | 30 | 30 | <2 | MP86722 | 3 |
| Q2808-04 | TP-7 | 3 | 30 | <2 | N/A | 4 |
| Q2826-02 | WC1 | 3 | 30 | <2 | N/A | 5 |
| Q2827-04 | TP-8 | 3 | 30 | <2 | N/A | 6 |
| Q2827-08 | TP-9 | 3 | 30 | <2 | N/A | 7 |
| Q2831-03 | VNJ-238 | 3 | 30 | <2 | N/A | 8 |
| Q2831-03MS | VNJ-238MS | 3 | 30 | <2 | MP86722 | 10 |
| Q2831-03MSD | VNJ-238MSD | 3 | 30 | <2 | MP86722 | 11 |
| Q2831-03DUP | VNJ-238DUP | 3 | 30 | <2 | N/A | 9 |

A B C D E F G H I J

Alliance TECHNICAL GROUP

**TCLP EXTRACTION LOGPAGE**

PB169200

**SOP ID :** M1311-TCLP-16

**SDG No :** N/A

**Weigh By :** JP

**Balance ID :** WC SC-7

**pH Meter ID :** WC PH METER-1

**Extraction By :** JP

**Filter By :** JP

**Pippete ID :** WC

**Tumbler ID :** T-1

**TCLP Filter ID :** 115525

**Start Prep Date :** 08/11/2025 **Time :** 17:00

**End Prep Date :** 08/12/2025 **Time :** 10:35

**Combination Ratio :** 20

**ZHE Cleaning Batch :** ~~N/A~~ 20

**Initial Room Temperature:** 23 °C

**Final Room Temperature:** 22 °C

**TCLP Technician Signature :** JP

**Supervisor By :** RM

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE U | Lot Number |
|---|---|---|
| TCLP-FLUID-1 | N/A | WP112804 |
| HCL-TCLP,1N | N/A | WP112797 |
| HNO3-TCLP,1N | N/A | WP112799 |
| pH Strips | N/A | W1931,W1934,W3171,W3172 |
| pH Strips | W1940,W1941,W1942 | W3166,W1938,W1939, |
| 1 Liter Amber | N/A | 90924-08 |
| 120ml Plastic bottle | N/A | 2738 |
| 1:1 HNO3 | N/A | MP84041 |

**Extraction Conformance/Non-Conformance Comments:**

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 checked,30 rpm. Q28341-03 IS USED FOR MS-MSD. Particle size reduction is not required.

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 08/12/25 11:40 | JP / ICP Room | 5/28. RJ / Ext |
| | Preparation Group | Analysis Group ICP DIG. |

Alliance TECHNICAL GROUP

**TCLP EXTRACTION LOGPAGE**

PB169200

| Sample ID | ClientID | TCLP Vessel ID | Sample Wt (g) | Volume Extraction Fluid #1 (mL) | Multi phasic | Phase Miscible | Phases Combined | Final Leachate PH | Metals Leachate Adj. PH | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| PB169200TB | LEB200 | 06 | N/A | 2000 | N/A | N/A | N/A | 4.94 | 1.0 | T-1 |
| Q2808-04 | TP-7 | 01 | 100.02 | 2000 | N/A | N/A | N/A | 6.2 | 1.5 | T-1 |
| Q2826-02 | WC1 | 02 | 100.03 | 2000 | N/A | N/A | N/A | 7.6 | 1.0 | T-1 |
| Q2827-04 | TP-8 | 03 | 100.02 | 2000 | N/A | N/A | N/A | 6.0 | 1.5 | T-1 |
| Q2827-08 | TP-9 | 04 | 100.03 | 2000 | N/A | N/A | N/A | 7.0 | 1.0 | T-1 |
| Q2831-03 | VNJ-238 | 05 | 100.04 | 2000 | N/A | N/A | N/A | 4.5 | 1.5 | T-1 |

| SampleID | ClientID | Sample Weight (g) | Filter Weight (g) | Filtrate (mL) | Filter + Solid (After 100°C) | % solids | % Dry Solids |
|---|---|---|---|---|---|---|---|
| PB169200TB | LEB200 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2808-04 | TP-7 | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2826-02 | WC1 | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2827-04 | TP-8 | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2827-08 | TP-9 | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2831-03 | VNJ-238 | N/A | N/A | N/A | N/A | 100 | N/A |

Alliance TECHNICAL GROUP

**TCLP Fluid Determination**

PB169200

**Hot Block ID :** WC S-1 / WC S-2

**Thermometer ID :** FLASHPOINT

| SampleID | ClientID | Sample Weight (g) | Volume DI Water (mL) | PH after 5 min stir | PH after 10 min stir | Extraction Fluid 1 or 2 | pH Extraction Fluid |
|---|---|---|---|---|---|---|---|
| PB169200TB | LEB200 | N/A | N/A | N/A | N/A | #1 | 4.94 |
| Q2808-04 | TP-7 | 5.02 | 96.5 | 8.4 | N/A | #1 | 4.94 |
| Q2826-02 | WC1 | 5.03 | 96.5 | 10.0 | N/A | #1 | 4.94 |
| Q2827-04 | TP-8 | 5.02 | 96.5 | 7.6 | N/A | #1 | 4.94 |
| Q2827-08 | TP-9 | 5.01 | 96.5 | 8.6 | N/A | #1 | 4.94 |
| Q2831-03 | VNJ-238 | 5.03 | 96.5 | 6.0 | N/A | #1 | 4.94 |

# SAMPLE DATA

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Fax : 908 789 8922

# Report of Analysis



| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 08/11/25 13:30 |
| Project: | Ave B | Date Received: | 08/11/25 |
| Client Sample ID: | WC1 | SDG No.: | Q2826 |
| Lab Sample ID: | Q2826-01 | Matrix: | SOIL |
| | | % Solid: | 88.1 |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|
| Paint Filter | 1.00 | U | 1 | 1.00 | 1.00 | ml/100gm | | 08/12/25 09:00 | 9095B |
| pH | 10.1 | H | 1 | 0 | 0 | pH | | 08/12/25 15:15 | 9045D |

Comments: pH result reported at temperature 21.5 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 08/11/25 13:30 |
| Project: | Ave B | Date Received: | 08/11/25 |
| Client Sample ID: | WC1 | SDG No.: | Q2826 |
| Lab Sample ID: | Q2826-02 | Matrix: | SOIL |
| | | % Solid: | 100 |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|
| Corrosivity | 10.1 | H | 1 | 0 | 0 | pH | | 08/12/25 09:48 | 9045D |
| Ignitability | NO | | 1 | 0 | 0 | oC | | 08/12/25 10:32 | 1030 |
| Reactive Cyanide | 0.013 | J | 1 | 0.0083 | 0.050 | mg/Kg | 08/13/25 08:45 | 08/13/25 12:45 | 9012B |
| Reactive Sulfide | 3.17 | J | 1 | 0.20 | 10.0 | mg/Kg | 08/13/25 11:00 | 08/13/25 15:08 | 9034 |

Comments: pH result reported at temperature 21.5 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

# QC RESULT SUMMARY

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# Initial and Continuing Calibration Verification

**Client:** G Environmental **SDG No.:** Q2826

**Project:** Ave B **RunNo.:** LB136781

| Analyte | | Units | Result | True Value | % Recovery | Acceptance Window (%R) | Analysis Date |
|---|---|---|---|---|---|---|---|
| Sample ID: Corrosivity | ICV | pH | 7.01 | 7 | 100 | 90-110 | 08/12/2025 |
| Sample ID: Corrosivity | CCV1 | pH | 2.01 | 2.00 | 101 | 90-110 | 08/12/2025 |
| Sample ID: Corrosivity | CCV2 | pH | 12.02 | 12.00 | 100 | 90-110 | 08/12/2025 |

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# Initial and Continuing Calibration Verification

**Client:** G Environmental **SDG No.:** Q2826

**Project:** Ave B **RunNo.:** LB136792

| Analyte | Units | Result | True Value | % Recovery | Acceptance Window (%R) | Analysis Date |
|---|---|---|---|---|---|---|
| **Sample ID:** **ICV** | | | | | | |
| pH | pH | 7.00 | 7 | 100 | 90-110 | 08/12/2025 |
| **Sample ID:** **CCV1** | | | | | | |
| pH | pH | 2.01 | 2.00 | 101 | 90-110 | 08/12/2025 |
| **Sample ID:** **CCV2** | | | | | | |
| pH | pH | 12.02 | 12.00 | 100 | 90-110 | 08/12/2025 |
| **Sample ID:** **CCV3** | | | | | | |
| pH | pH | 2.01 | 2.00 | 101 | 90-110 | 08/12/2025 |

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# Initial and Continuing Calibration Verification

**Client:** G Environmental **SDG No.:** Q2826

**Project:** Ave B **RunNo.:** LB136800

| Analyte | Units | Result | True Value | % Recovery | Acceptance Window (%R) | Analysis Date |
|---|---|---|---|---|---|---|
| **Sample ID: ICV1** | | | | | | |
| Reactive Cyanide | mg/L | 0.095 | 0.099 | 96 | 85-115 | 08/13/2025 |
| **Sample ID: CCV1** | | | | | | |
| Reactive Cyanide | mg/L | 0.26 | 0.25 | 104 | 90-110 | 08/13/2025 |
| **Sample ID: CCV2** | | | | | | |
| Reactive Cyanide | mg/L | 0.25 | 0.25 | 100 | 90-110 | 08/13/2025 |
| **Sample ID: CCV3** | | | | | | |
| Reactive Cyanide | mg/L | 0.25 | 0.25 | 100 | 90-110 | 08/13/2025 |

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# Initial and Continuing Calibration Blank Summary

**Client:** G Environmental **SDG No.:** Q2826

**Project:** Ave B **RunNo.:** LB136800

| Analyte | Units | Result | Acceptance Limits | Conc Qual | MDL | RDL | Analysis Date |
|---|---|---|---|---|---|---|---|
| **Sample ID: ICB1** | | | | | | | |
| Reactive Cyanide | mg/L | 0.0014 | 0.0025 | J | 0.00096 | 0.005 | 08/13/2025 |
| **Sample ID: CCB1** | | | | | | | |
| Reactive Cyanide | mg/L | 0.0015 | 0.0025 | J | 0.00096 | 0.005 | 08/13/2025 |
| **Sample ID: CCB2** | | | | | | | |
| Reactive Cyanide | mg/L | 0.0014 | 0.0025 | J | 0.00096 | 0.005 | 08/13/2025 |
| **Sample ID: CCB3** | | | | | | | |
| Reactive Cyanide | mg/L | 0.0015 | 0.0025 | J | 0.00096 | 0.005 | 08/13/2025 |

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# Preparation Blank Summary

**Client:** G Environmental **SDG No.:** Q2826

**Project:** Ave B

| Analyte | Units | Result | Acceptance Limits | Conc Qual | MDL | RDL | Analysis Date |
|---|---|---|---|---|---|---|---|
| **Sample ID: PB169217BL** | | | | | | | |
| Reactive Cyanide | mg/Kg | 0.013 | 0.0250 | J | 0.0084 | 0.05 | 08/13/2025 |
| **Sample ID: PB169218BL** | | | | | | | |
| Reactive Sulfide | mg/Kg | < 5.0000 | 5.0000 | U | 0.201 | 10 | 08/13/2025 |

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# Duplicate Sample Summary

**Client:** G Environmental
**Project:** Ave B
**Client ID:** WC-A7-01-CDUP

**SDG No.:** Q2826
**Sample ID:** Q2732-02
**Percent Solids for Spike Sample:** 100

| Analyte | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/ AD | Qual | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| pH | pH | +/-20 | 11.5 | | 11.6 | | 1 | 0.09 | | 08/12/2025 |

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# Duplicate Sample Summary

**Client:** G Environmental
**Project:** Ave B
**Client ID:** WC-A7-01-CDUP

**SDG No.:** Q2826
**Sample ID:** Q2732-03
**Percent Solids for Spike Sample:** 100

| Analyte | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/ AD | Qual | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| Reactive Cyanide | mg/Kg | +/-20 | 0.011 | J | 0.011 | J | 1 | 0 | | 08/13/2025 |
| Reactive Sulfide | mg/Kg | +/-20 | 4.72 | J | 4.72 | J | 1 | 0 | | 08/13/2025 |

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# Duplicate Sample Summary

**Client:** G Environmental
**Project:** Ave B
**Client ID:** TP-7DUP
**SDG No.:** Q2826
**Sample ID:** Q2808-01
**Percent Solids for Spike Sample:** 66.5

| Analyte | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/ AD | Qual | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| Ignitability | oC | +/-20 | NO | | NO | | 1 | 0 | | 08/12/2025 |
| Paint Filter | ml/100gm | +/-20 | 1.00 | U | 1.00 | U | 1 | 0 | | 08/12/2025 |

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# Duplicate Sample Summary

**Client:** G Environmental
**Project:** Ave B
**Client ID:** VNJ-238DUP

**SDG No.:** Q2826
**Sample ID:** Q2831-03
**Percent Solids for Spike Sample:** 100

| Analyte | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/ AD | Qual | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| Corrosivity | pH | +/-20 | 6.09 | | 6.10 | | 1 | 0.16 | | 08/12/2025 |

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**Instrument ID:** WC PH METER-1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136781

| | | | |
|---|---|---|---|
| Review By | jignesh | Review On | 8/12/2025 8:50:12 AM |
| Supervise By | rubina | Supervise On | 8/12/2025 10:08:19 AM |
| SubDirectory | LB136781 | Test | Corrosivity |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | N/A |
| ICV Standard | N/A |
| CCV Standard | N/A |
| ICSA Standard | N/A |
| CRI Standard | N/A |
| LCS Standard | N/A |
| Chk Standard | W3178,W3093,W3191,W3217,W3161,W3200 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | CAL1 | CAL1 | CAL | 08/12/25 08:10 | | Jignesh | OK |
| 2 | CAL2 | CAL2 | CAL | 08/12/25 08:11 | | Jignesh | OK |
| 3 | CAL3 | CAL3 | CAL | 08/12/25 08:12 | | Jignesh | OK |
| 4 | ICV | ICV | ICV | 08/12/25 08:15 | | Jignesh | OK |
| 5 | CCV1 | CCV1 | CCV | 08/12/25 08:20 | | Jignesh | OK |
| 6 | Q2808-04 | TP-7 | SAM | 08/12/25 09:35 | | Jignesh | OK |
| 7 | Q2826-02 | WC1 | SAM | 08/12/25 09:48 | | Jignesh | OK |
| 8 | Q2827-04 | TP-8 | SAM | 08/12/25 10:00 | | Jignesh | OK |
| 9 | Q2827-08 | TP-9 | SAM | 08/12/25 10:10 | | Jignesh | OK |
| 10 | Q2831-03 | VNJ-238 | SAM | 08/12/25 10:15 | | Jignesh | OK |
| 11 | Q2831-03DUP | VNJ-238DUP | DUP | 08/12/25 10:19 | | Jignesh | OK |
| 12 | CCV2 | CCV2 | CCV | 08/12/25 10:20 | | Jignesh | OK |

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**Instrument ID:** FLAME

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136786

| | | | |
|---|---|---|---|
| Review By | Eman | Review On | 8/12/2025 2:25:42 PM |
| Supervise By | jignesh | Supervise On | 8/12/2025 2:28:51 PM |
| SubDirectory | LB136786 | Test | Ignitability |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | N/A |
| ICV Standard | N/A |
| CCV Standard | N/A |
| ICSA Standard | N/A |
| CRI Standard | N/A |
| LCS Standard | N/A |
| Chk Standard | N/A |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | Q2808-01 | TP-7 | SAM | 08/12/25 10:10 | | jignesh | OK |
| 2 | Q2808-01DUP | TP-7DUP | DUP | 08/12/25 10:17 | | jignesh | OK |
| 3 | Q2808-04 | TP-7 | SAM | 08/12/25 10:24 | | jignesh | OK |
| 4 | Q2826-02 | WC1 | SAM | 08/12/25 10:32 | | jignesh | OK |
| 5 | Q2827-01 | TP-8 | SAM | 08/12/25 10:40 | | jignesh | OK |
| 6 | Q2827-04 | TP-8 | SAM | 08/12/25 10:47 | | jignesh | OK |
| 7 | Q2827-05 | TP-9 | SAM | 08/12/25 10:55 | | jignesh | OK |
| 8 | Q2827-08 | TP-9 | SAM | 08/12/25 11:02 | | jignesh | OK |
| 9 | Q2831-01 | VNJ-238 | SAM | 08/12/25 11:10 | | jignesh | OK |
| 10 | Q2831-03 | VNJ-238 | SAM | 08/12/25 11:17 | | jignesh | OK |
| 11 | Q2832-02 | TG-S01 | SAM | 08/12/25 11:25 | | jignesh | OK |
| 12 | Q2832-04 | TG-S02 | SAM | 08/12/25 11:32 | | jignesh | OK |
| 13 | Q2832-06 | TG-S03 | SAM | 08/12/25 11:40 | | jignesh | OK |
| 14 | Q2832-08 | TG-S04 | SAM | 08/12/25 11:47 | | jignesh | OK |
| 15 | Q2832-10 | TG-S05 | SAM | 08/12/25 11:55 | | jignesh | OK |

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**Instrument ID:** FILTER/GRAVIMETRIC

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136787

| | | | |
|---|---|---|---|
| Review By | Eman | Review On | 8/12/2025 2:25:09 PM |
| Supervise By | jignesh | Supervise On | 8/12/2025 2:28:24 PM |
| SubDirectory | LB136787 | Test | Paint Filter |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | N/A |
| ICV Standard | N/A |
| CCV Standard | N/A |
| ICSA Standard | N/A |
| CRI Standard | N/A |
| LCS Standard | N/A |
| Chk Standard | N/A |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | Q2808-01 | TP-7 | SAM | 08/12/25 08:30 | | jignesh | OK |
| 2 | Q2808-01DUP | TP-7DUP | DUP | 08/12/25 08:37 | | jignesh | OK |
| 3 | Q2809-01 | OR-03-08082025 | SAM | 08/12/25 08:44 | | jignesh | OK |
| 4 | Q2823-01 | SU-04-081125 | SAM | 08/12/25 08:52 | | jignesh | OK |
| 5 | Q2826-01 | WC1 | SAM | 08/12/25 09:00 | | jignesh | OK |
| 6 | Q2827-01 | TP-8 | SAM | 08/12/25 09:07 | | jignesh | OK |
| 7 | Q2827-05 | TP-9 | SAM | 08/12/25 09:15 | | jignesh | OK |
| 8 | Q2830-01 | BIN0009-DRIVEWAY- | SAM | 08/12/25 09:22 | | jignesh | OK |
| 9 | Q2830-03 | BIN0009-DRIVEWAY- | SAM | 08/12/25 09:30 | | jignesh | OK |
| 10 | Q2830-05 | BIN0009-DRIVEWAY- | SAM | 08/12/25 09:37 | | jignesh | OK |
| 11 | Q2830-07 | BIN0009-DRIVEWAY- | SAM | 08/12/25 09:45 | | jignesh | OK |
| 12 | Q2831-01 | VNJ-238 | SAM | 08/12/25 09:52 | | jignesh | OK |

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**Instrument ID:** WC PH METER-1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136792

| | | | |
|---|---|---|---|
| Review By | jignesh | Review On | 8/12/2025 4:46:51 PM |
| Supervise By | rubina | Supervise On | 8/13/2025 12:54:50 PM |
| SubDirectory | LB136792 | Test | pH |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | N/A |
| ICV Standard | N/A |
| CCV Standard | N/A |
| ICSA Standard | N/A |
| CRI Standard | N/A |
| LCS Standard | N/A |
| Chk Standard | W3178,W3093,W3191,W3217,W3161,W3200 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | CAL1 | CAL1 | CAL | 08/12/25 14:40 | | Jignesh | OK |
| 2 | CAL2 | CAL2 | CAL | 08/12/25 14:41 | | Jignesh | OK |
| 3 | CAL3 | CAL3 | CAL | 08/12/25 14:42 | | Jignesh | OK |
| 4 | ICV | ICV | ICV | 08/12/25 14:45 | | Jignesh | OK |
| 5 | CCV1 | CCV1 | CCV | 08/12/25 14:47 | | Jignesh | OK |
| 6 | Q2732-02 | WC-A7-01-C | SAM | 08/12/25 15:00 | | Jignesh | OK |
| 7 | Q2732-02DUP | WC-A7-01-CDUP | DUP | 08/12/25 15:02 | | Jignesh | OK |
| 8 | Q2826-01 | WC1 | SAM | 08/12/25 15:15 | | Jignesh | OK |
| 9 | Q2832-01 | TG-S01 | SAM | 08/12/25 15:25 | | Jignesh | OK |
| 10 | Q2832-03 | TG-S02 | SAM | 08/12/25 15:30 | | Jignesh | OK |
| 11 | Q2832-05 | TG-S03 | SAM | 08/12/25 15:40 | | Jignesh | OK |
| 12 | Q2832-07 | TG-S04 | SAM | 08/12/25 15:44 | | Jignesh | OK |
| 13 | Q2832-09 | TG-S05 | SAM | 08/12/25 15:47 | | Jignesh | OK |
| 14 | Q2836-02 | WC-A2-15-C | SAM | 08/12/25 16:00 | | Jignesh | OK |
| 15 | Q2836-06 | WC-A2-16-C | SAM | 08/12/25 16:10 | | Jignesh | OK |
| 16 | CCV2 | CCV2 | CCV | 08/12/25 16:17 | | Jignesh | OK |
| 17 | Q2836-10 | WC-A2-17-C | SAM | 08/12/25 16:25 | | Jignesh | OK |
| 18 | Q2836-14 | WC-A5-02-C | SAM | 08/12/25 16:30 | | Jignesh | OK |

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**Instrument ID:** WC PH METER-1

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136792

| | | | |
|---|---|---|---|
| Review By | jignesh | Review On | 8/12/2025 4:46:51 PM |
| Supervise By | rubina | Supervise On | 8/13/2025 12:54:50 PM |
| SubDirectory | LB136792 | Test | pH |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | N/A |
| ICV Standard | N/A |
| CCV Standard | N/A |
| ICSA Standard | N/A |
| CRI Standard | N/A |
| LCS Standard | N/A |
| Chk Standard | W3178,W3093,W3191,W3217,W3161,W3200 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | CCV3 | CCV3 | CCV | 08/12/25 16:33 | | Jignesh | OK |

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**Instrument ID:** KONELAB

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136800

| | | | |
|---|---|---|---|
| Review By | rubina | Review On | 8/14/2025 11:26:59 AM |
| Supervise By | Sohil | Supervise On | 8/14/2025 11:33:50 AM |
| SubDirectory | LB136800 | Test | Reactive Cyanide |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | WP114269,WP114270,WP114271,WP114272,WP114273,WP114274,WP114274 |
| ICV Standard | WP114276 |
| CCV Standard | WP114270 |
| ICSA Standard | N/A |
| CRI Standard | N/A |
| LCS Standard | N/A |
| Chk Standard | WP112643,WP112900,WP114277 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | 0.0PPBCN | 0.0PPBCN | CAL1 | 08/13/25 11:54 | | rubina | OK |
| 2 | 5.0PPBCN | 5.0PPBCN | CAL2 | 08/13/25 11:54 | | rubina | OK |
| 3 | 10PPBCN | 10PPBCN | CAL3 | 08/13/25 11:54 | | rubina | OK |
| 4 | 50PPBCN | 50PPBCN | CAL4 | 08/13/25 11:54 | | rubina | OK |
| 5 | 100PPBCN | 100PPBCN | CAL5 | 08/13/25 11:54 | | rubina | OK |
| 6 | 250PPBCN | 250PPBCN | CAL6 | 08/13/25 11:54 | | rubina | OK |
| 7 | 500PPBCN | 500PPBCN | CAL7 | 08/13/25 11:54 | | rubina | OK |
| 8 | ICV1 | ICV1 | ICV | 08/13/25 12:37 | | rubina | OK |
| 9 | ICB1 | ICB1 | ICB | 08/13/25 12:37 | | rubina | OK |
| 10 | CCV1 | CCV1 | CCV | 08/13/25 12:37 | | rubina | OK |
| 11 | CCB1 | CCB1 | CCB | 08/13/25 12:37 | | rubina | OK |
| 12 | PB169217BL | PB169217BL | MB | 08/13/25 12:38 | | rubina | OK |
| 13 | Q2732-03 | WC-A7-01-C | SAM | 08/13/25 12:45 | | rubina | OK |
| 14 | Q2732-03DUP | WC-A7-01-CDUP | DUP | 08/13/25 12:45 | | rubina | OK |
| 15 | Q2826-02 | WC1 | SAM | 08/13/25 12:45 | | rubina | OK |
| 16 | Q2827-04 | TP-8 | SAM | 08/13/25 12:45 | | rubina | OK |
| 17 | Q2827-08 | TP-9 | SAM | 08/13/25 12:45 | | rubina | OK |
| 18 | Q2831-03 | VNJ-238 | SAM | 08/13/25 12:45 | | rubina | OK |

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Fax : 908 789 8922

**Instrument ID:** KONELAB

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136800

| | | | |
|---|---|---|---|
| Review By | rubina | Review On | 8/14/2025 11:26:59 AM |
| Supervise By | Sohil | Supervise On | 8/14/2025 11:33:50 AM |
| SubDirectory | LB136800 | Test | Reactive Cyanide |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | WP114269,WP114270,WP114271,WP114272,WP114273,WP114274,WP114274 |
| ICV Standard | WP114276 |
| CCV Standard | WP114270 |
| ICSA Standard | N/A |
| CRI Standard | N/A |
| LCS Standard | N/A |
| Chk Standard | WP112643,WP112900,WP114277 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q2832-02 | TG-S01 | SAM | 08/13/25 12:45 | | rubina | OK |
| 20 | Q2832-04 | TG-S02 | SAM | 08/13/25 12:45 | | rubina | OK |
| 21 | Q2832-06 | TG-S03 | SAM | 08/13/25 12:45 | | rubina | OK |
| 22 | CCV2 | CCV2 | CCV | 08/13/25 12:53 | | rubina | OK |
| 23 | CCB2 | CCB2 | CCB | 08/13/25 12:53 | | rubina | OK |
| 24 | Q2832-08 | TG-S04 | SAM | 08/13/25 12:53 | | rubina | OK |
| 25 | Q2832-10 | TG-S05 | SAM | 08/13/25 12:53 | | rubina | OK |
| 26 | Q2836-03 | WC-A2-15-C | SAM | 08/13/25 12:53 | | rubina | OK |
| 27 | Q2836-07 | WC-A2-16-C | SAM | 08/13/25 12:53 | | rubina | OK |
| 28 | Q2836-11 | WC-A2-17-C | SAM | 08/13/25 12:53 | | rubina | OK |
| 29 | Q2836-15 | WC-A5-02-C | SAM | 08/13/25 13:00 | | rubina | OK |
| 30 | Q2838-04 | TP-11 | SAM | 08/13/25 13:00 | | rubina | OK |
| 31 | Q2838-08 | TP-10 | SAM | 08/13/25 13:00 | | rubina | OK |
| 32 | CCV3 | CCV3 | CCV | 08/13/25 13:00 | | rubina | OK |
| 33 | CCB3 | CCB3 | CCB | 08/13/25 13:00 | | rubina | OK |

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**Instrument ID:** TITRAMETRIC

## Daily Analysis Runlog For Sequence/QCBatch ID # LB136810

| | | | |
|---|---|---|---|
| Review By | rubina | Review On | 8/13/2025 4:33:41 PM |
| Supervise By | jignesh | Supervise On | 8/13/2025 4:46:38 PM |
| SubDirectory | LB136810 | Test | Reactive Sulfide |

| STD. NAME | STD REF.# |
|---|---|
| ICAL Standard | N/A |
| ICV Standard | N/A |
| CCV Standard | N/A |
| ICSA Standard | N/A |
| CRI Standard | N/A |
| LCS Standard | N/A |
| Chk Standard | W3105,W3213,W3149 |

| Sr# | SampleId | ClientID | QcType | Date | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | Q2836-11 | WC-A2-17-C | SAM | 08/13/25 13:35 | | rubina | OK |
| 2 | PB169218BL | PB169218BL | MB | 08/13/25 15:00 | | rubina | OK |
| 3 | Q2732-03 | WC-A7-01-C | SAM | 08/13/25 15:03 | | rubina | OK |
| 4 | Q2732-03DUP | WC-A7-01-CDUP | DUP | 08/13/25 15:06 | | rubina | OK |
| 5 | Q2826-02 | WC1 | SAM | 08/13/25 15:08 | | rubina | OK |
| 6 | Q2827-04 | TP-8 | SAM | 08/13/25 15:10 | | rubina | OK |
| 7 | Q2827-08 | TP-9 | SAM | 08/13/25 15:13 | | rubina | OK |
| 8 | Q2831-03 | VNJ-238 | SAM | 08/13/25 15:15 | | rubina | OK |
| 9 | Q2832-02 | TG-S01 | SAM | 08/13/25 15:18 | | rubina | OK |
| 10 | Q2832-04 | TG-S02 | SAM | 08/13/25 15:20 | | rubina | OK |
| 11 | Q2832-06 | TG-S03 | SAM | 08/13/25 15:23 | | rubina | OK |
| 12 | Q2832-08 | TG-S04 | SAM | 08/13/25 15:25 | | rubina | OK |
| 13 | Q2832-10 | TG-S05 | SAM | 08/13/25 15:28 | | rubina | OK |
| 14 | Q2836-03 | WC-A2-15-C | SAM | 08/13/25 15:30 | | rubina | OK |
| 15 | Q2836-07 | WC-A2-16-C | SAM | 08/13/25 15:33 | | rubina | OK |
| 16 | Q2836-15 | WC-A5-02-C | SAM | 08/13/25 15:38 | | rubina | OK |
| 17 | Q2838-04 | TP-11 | SAM | 08/13/25 15:41 | | rubina | OK |
| 18 | Q2838-08 | TP-10 | SAM | 08/13/25 15:44 | | rubina | OK |

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q2826 | **OrderDate:** | 8/11/2025 2:06:00 PM |
| **Client:** | G Environmental | **Project:** | Ave B |
| **Contact:** | Gary Landis | **Location:** | --Select--,D31,VOA Ref. #2 Soil |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q2826-01** | **WC1** | **SOIL** | | | **08/11/25 13:30** | | | **08/11/25** |
| | | | Paint Filter | 9095B | | | 08/12/25 09:00 | |
| | | | pH | 9045D | | | 08/12/25 15:15 | |
| **Q2826-02** | **WC1** | **SOIL** | | | **08/11/25 13:30** | | | **08/11/25** |
| | | | Corrosivity | 9045D | | | 08/12/25 09:48 | |
| | | | Ignitability | 1030 | | | 08/12/25 10:32 | |
| | | | Reactive Cyanide | 9012B | | 08/13/25 | 08/13/25 12:45 | |
| | | | Reactive Sulfide | 9034 | | 08/13/25 | 08/13/25 15:08 | |

Alliance TECHNICAL GROUP

# Soil/Sludge Reactive Cyanide Preparation Sheet

PB169217

**SOP ID :** M9012B-Total, Amenable and Reactive Cyanide-21

**SDG No :** N/A

**Start Digest Date:** 08/13/2025 **Time :** 08:45 **Temp :** N/A

**Matrix :** SOIL

**End Digest Date:** 08/13/2025 **Time :** 10:15 **Temp :** N/A

**Pippete ID :** N/A

**Balance ID :** WC SC-7

**Hood ID :** HOOD#1 **Digestion tube ID :** M5595 **Block Thermometer ID :** N/A

**Block ID :** MC-1,MC-2 **Filter paper ID :** N/A **Prep Technician Signature:** RM

**Weigh By :** RM **pH Meter ID :** N/A **Supervisor Signature:** JB

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| PBS003 | 50.0ML | W3112 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| 0.25N NaOH | 50.0ML | WP113836 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| 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 | | Comment |
|---|---|---|---|
| | | | |

**Extraction Conformance/Non-Conformance Comments:**

N/A

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 08/13/2025 10:30 | RM (WC) | RM (WC) |
| | Preparation Group | Analysis Group |

Alliance TECHNICAL GROUP

## Soil/Sludge Reactive Cyanide Preparation Sheet

**PB169217**

| Lab Sample ID | Client Sample ID | Initial Weight (g) | Final Vol (ml) | pH | Sulfide | Oxidizing | Nitrate/ Nitrite | Comment | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|
| PB169217BL | PBS217 | 5.00 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2732-03DUP | WC-A7-01-CDUP | 5.02 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2732-03 | WC-A7-01-C | 5.02 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2826-02 | WC1 | 5.04 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2827-04 | TP-8 | 5.01 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2827-08 | TP-9 | 5.03 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2831-03 | VNJ-238 | 5.08 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2832-02 | TG-S01 | 5.05 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2832-04 | TG-S02 | 5.05 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2832-06 | TG-S03 | 5.01 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2832-08 | TG-S04 | 5.03 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2832-10 | TG-S05 | 5.06 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2836-03 | WC-A2-15-C | 5.04 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2836-07 | WC-A2-16-C | 5.02 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2836-11 | WC-A2-17-C | 5.05 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2836-15 | WC-A5-02-C | 5.01 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2838-04 | TP-11 | 5.04 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2838-08 | TP-10 | 5.01 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |

Alliance TECHNICAL GROUP

# Soil/Sludge Reactive Sulfide Preparation Sheet

PB169218

**SOP ID :** M9030B-Sulfide-13

**SDG No :** N/A

**Start Digest Date:** 08/13/2025 **Time :** 11:00 **Temp :** N/A

**Matrix :** SOIL

**End Digest Date:** 08/13/2025 **Time :** 12:30 **Temp :** N/A

**Pippete ID :** WC

**Balance ID :** WC SC-7

**Hood ID :** HOOD#1 **Digestion tube ID :** M5595 **Block Thermometer ID :** N/A

**Block ID :** MC-2 **Filter paper ID :** N/A **Prep Technician Signature:** RM

**Weigh By :** RM **pH Meter ID :** N/A **Supervisor Signature:** JB

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| PBS003 | 50.0ML | W3112 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| 0.5M ZINC ACETATE | 5.0ML | WP113086 |
| FORMALDEHYDE | 2.0ML | W3220 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| 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:**

08/13/2025 RM

N/A

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| | | |
| | Preparation Group | Analysis Group |

Alliance TECHNICAL GROUP

## Soil/Sludge Reactive Sulfide Preparation Sheet

**PB169218**

| Lab Sample ID | Client Sample ID | Initial Weight (g) | Final Vol (ml) | pH | Sulfide | Oxidizing | Nitrate/ Nitrite | Comment | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|
| PB169218BL | PBS218 | 5.00 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2732-03DUP | WC-A7-01-CDUP | 5.08 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2732-03 | WC-A7-01-C | 5.08 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2826-02 | WC1 | 5.05 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2827-04 | TP-8 | 5.02 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2827-08 | TP-9 | 5.04 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2831-03 | VNJ-238 | 5.04 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2832-02 | TG-S01 | 5.01 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2832-04 | TG-S02 | 5.07 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2832-06 | TG-S03 | 5.05 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2832-08 | TG-S04 | 5.04 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2832-10 | TG-S05 | 5.06 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2836-03 | WC-A2-15-C | 5.03 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2836-07 | WC-A2-16-C | 5.03 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2836-11 | WC-A2-17-C | 5.08 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2836-15 | WC-A5-02-C | 5.06 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2838-04 | TP-11 | 5.01 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2838-08 | TP-10 | 5.06 | 50 | N/A | N/A | N/A | N/A | N/A | N/A |