Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111922\
Data File : VU051934.D
Acq On : 19 Nov 2022 05:22
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD005084

Quant Time: Nov 19 06:05:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 18 22:29:23 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 6.247 | 114 | 251350 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.414 | 117 | 255654 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.809 | 152 | 126999 | 5.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.600 | 65 | 123274 | 5.042 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 100.800% | | | |
| 7) Chloroethane-d5 | 1.906 | 69 | 98052 | 5.163 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 103.200% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.565 | 65 | 43299 | 4.941 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 98.800% | | | |
| 20) 2-Butanone-d5 | 4.616 | 46 | 223451 | 50.421 | ug/L | -0.03 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 100.840% | | | |
| 24) Chloroform-d | 5.060 | 84 | 185770 | 5.171 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 103.400% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.700 | 65 | 91798 | 5.059 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 101.200% | | | |
| 32) Benzene-d6 | 5.722 | 84 | 397426 | 5.236 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 104.800% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.687 | 67 | 122784 | 5.227 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 104.600% | | | |
| 41) Toluene-d8 | 7.896 | 98 | 368725 | 5.369 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 107.400% | | | |
| 43) trans-1,3-Dichloroprop... | 8.176 | 79 | 42348 | 4.947 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 99.000% | | | |
| 46) 2-Hexanone-d5 | 8.629 | 63 | 191139 | 52.692 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 105.380% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754 | 84 | 105267 | 5.169 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 103.400% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.192 | 152 | 123474 | 5.078 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 101.600% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.385 | 85 | 102390 | 4.697 | ug/L | 99 |
| 3) Chloromethane | 1.527 | 50 | 141799 | 4.984 | ug/L | 99 |
| 5) Vinyl chloride | 1.604 | 62 | 137361 | 5.025 | ug/L | 98 |
| 6) Bromomethane | 1.845 | 94 | 73033 | 5.207 | ug/L | 99 |
| 8) Chloroethane | 1.928 | 64 | 82148 | 4.833 | ug/L | 97 |
| 9) Trichlorofluoromethane | 2.134 | 101 | 143744 | 4.780 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578 | 101 | 84064 | 4.572 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.578 | 96 | 87870 | 4.819 | ug/L | 94 |
| 13) Acetone | 2.620 | 43 | 139342 | 46.303 | ug/L | 99 |
| 14) Carbon disulfide | 2.790 | 76 | 299219 | 4.740 | ug/L | 98 |
| 15) Methyl Acetate | 2.948 | 43 | 36691 | 4.701 | ug/L | 99 |
| 16) Methylene chloride | 3.044 | 84 | 123221 | 4.995 | ug/L | 99 |
| 17) Methyl tert-butyl Ether | 3.359 | 73 | 201255 | 4.930 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 3.353 | 96 | 97204 | 4.973 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 3.867 | 63 | 177876 | 5.049 | ug/L | 99 |
| 21) 2-Butanone | 4.694 | 43 | 234173 | 48.550 | ug/L | 100 |
| 22) cis-1,2-Dichloroethene | 4.665 | 96 | 107271 | 5.229 | ug/L | 96 |
| 23) Bromochloromethane | 4.973 | 128 | 49811 | 5.075 | ug/L | 95 |
| 25) Chloroform | 5.086 | 83 | 185023 | 5.183 | ug/L | 99 |

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Data File : VU051934.D
Acq On : 19 Nov 2022 05:22
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD005084

Quant Time: Nov 19 06:05:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 18 22:29:23 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.790 | 62 | 111180 | 5.085 | ug/L | 97 |
| 29) 1,1,1-Trichloroethane | 5.314 | 97 | 139494 | 4.918 | ug/L | 99 |
| 30) Cyclohexane | 5.388 | 56 | 130081 | 4.723 | ug/L | 97 |
| 31) Carbon tetrachloride | 5.523 | 117 | 114351 | 4.745 | ug/L | 99 |
| 33) Benzene | 5.771 | 78 | 424530 | 5.102 | ug/L | 100 |
| 34) Trichloroethene | 6.539 | 95 | 99383 | 4.789 | ug/L | 98 |
| 35) Methylcyclohexane | 6.761 | 83 | 134616 | 4.509 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 6.787 | 63 | 108393 | 5.032 | ug/L | 100 |
| 38) Bromodichloromethane | 7.102 | 83 | 127371 | 4.850 | ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 7.603 | 75 | 133793 | 4.837 | ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 7.787 | 43 | 578175 | 51.381 | ug/L | 100 |
| 42) Toluene | 7.967 | 91 | 451106 | 5.271 | ug/L | 98 |
| 44) trans-1,3-Dichloropropene | 8.208 | 75 | 113095 | 4.775 | ug/L | 99 |
| 45) 1,1,2-Trichloroethane | 8.398 | 97 | 79305 | 4.899 | ug/L | 99 |
| 47) Tetrachloroethene | 8.552 | 164 | 76573 | 4.815 | ug/L | 95 |
| 48) 2-Hexanone | 8.681 | 43 | 427182 | 51.783 | ug/L | 99 |
| 49) Dibromochloromethane | 8.806 | 129 | 89336 | 4.927 | ug/L | 96 |
| 50) 1,2-Dibromoethane | 8.922 | 107 | 73064 | 4.955 | ug/L | 99 |
| 51) Chlorobenzene | 9.443 | 112 | 274639 | 5.033 | ug/L | 99 |
| 52) Ethylbenzene | 9.568 | 91 | 427987 | 5.144 | ug/L | 99 |
| 53) m,p-Xylene | 9.693 | 106 | 171076 | 5.310 | ug/L | 98 |
| 54) o-Xylene | 10.099 | 106 | 167501 | 5.424 | ug/L | 100 |
| 55) Styrene | 10.111 | 104 | 286211 | 5.488 | ug/L | 99 |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83 | 103606 | 5.124 | ug/L | 98 |
| 59) Bromoform | 10.288 | 173 | 50701 | 4.847 | ug/L | 98 |
| 60) Isopropylbenzene | 10.481 | 105 | 417846 | 5.238 | ug/L | 100 |
| 61) 1,2,3-Trichloropropane | 10.819 | 75 | 72124 | 4.962 | ug/L | 98 |
| 62) 1,3,5-Trimethylbenzene | 11.086 | 105 | 325948 | 5.111 | ug/L | 99 |
| 63) 1,2,4-Trimethylbenzene | 11.465 | 105 | 334829 | 5.290 | ug/L | 99 |
| 64) 1,3-Dichlorobenzene | 11.742 | 146 | 209735 | 5.149 | ug/L | 99 |
| 65) 1,4-Dichlorobenzene | 11.835 | 146 | 202130 | 4.976 | ug/L | 99 |
| 67) 1,2-Dichlorobenzene | 12.208 | 146 | 201836 | 5.146 | ug/L | 97 |
| 68) 1,2-Dibromo-3-chloropr... | 12.992 | 75 | 14702 | 4.622 | ug/L | 99 |
| 69) 1,3,5-Trichlorobenzene | 13.217 | 180 | 138157 | 4.783 | ug/L | 100 |
| 70) 1,2,4-trichlorobenzene | 13.838 | 180 | 104713 | 4.761 | ug/L | 99 |
| 71) Naphthalene | 14.085 | 128 | 197199 | 4.776 | ug/L | 100 |
| 72) 1,2,3-Trichlorobenzene | 14.327 | 180 | 105545 | 4.877 | ug/L | 98 |

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

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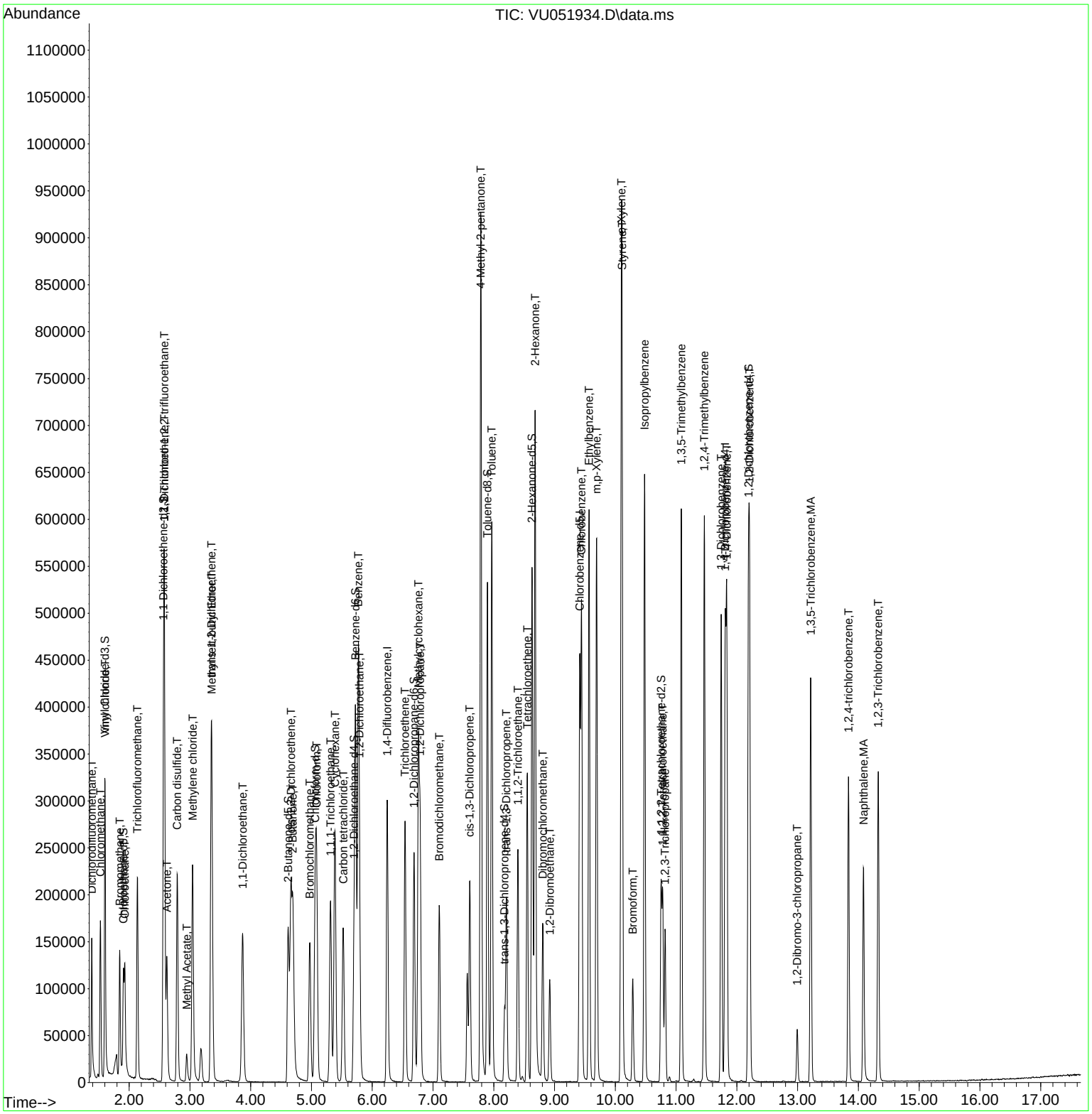
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111922\
Data File : VU051934.D
Acq On : 19 Nov 2022 05:22
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD005084

Quant Time: Nov 19 06:05:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 18 22:29:23 2022
Response via : Initial Calibration