Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102821\
Data File : VV023087.D
Acq On : 28 Oct 2021 20:29
Operator : SY/MD
Sample : MDL02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 29 02:16:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM102821WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 29 01:52:27 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL02

**Manual Integrations APPROVED**
SAM
11/1/2021 6:35:43 PM

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 5.619 | 114 | 265068 | 50.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.853 | 117 | 260604 | 50.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.249 | 152 | 130308 | 50.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.307 | 65 | 85816 | 46.977 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 93.960% | | | |
| 7) Chloroethane-d5 | 1.568 | 69 | 70890 | 49.754 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 99.500% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.108 | 63 | 123397 | 35.660 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 71.320% | | | |
| 21) 2-Butanone-d5 | 3.876 | 46 | 156512 | 114.356 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 114.360% | | | |
| 24) Chloroform-d | 4.352 | 84 | 183937 | 47.890 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 95.780% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.034 | 65 | 118491 | 52.122 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 104.240% | | | |
| 32) Benzene-d6 | 5.053 | 84 | 356646 | 49.958 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 99.920% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.072 | 67 | 114866 | 50.545 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 101.080% | | | |
| 41) Toluene-d8 | 7.317 | 98 | 319889 | 49.114 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 98.220% | | | |
| 43) trans-1,3-Dichloroprop... | 7.622 | 79 | 54171 | 49.733 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 99.460% | | | |
| 47) 2-Hexanone-d5 | 8.088 | 63 | 111232 | 112.691 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 112.690% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84 | 168782 | 50.814 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 101.620% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 11.625 | 152 | 134246 | 53.408 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 106.820% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.127 | 85 | 5794 | 2.299 | ug/L | 97 |
| 3) Chloromethane | 1.240 | 50 | 5760 | 2.424 | ug/L | 100 |
| 5) Vinyl chloride | 1.310 | 62 | 5935 | 2.499 | ug/L # | 71 |
| 6) Bromomethane | 1.519 | 94 | 3251 | 2.437 | ug/L | 94 |
| 8) Chloroethane | 1.584 | 64 | 3661 | 2.532 | ug/L | 99 |
| 9) Trichlorofluoromethane | 1.754 | 101 | 8428 | 2.338 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114 | 101 | 5430 | 2.838 | ug/L | 87 |
| 12) 1,1-Dichloroethene | 2.117 | 96 | 5057 | 2.848 | ug/L # | 1 |
| 13) Acetone | 2.169 | 43 | 5899m | 4.348 | ug/L | |
| 14) Carbon disulfide | 2.294 | 76 | 12712 | 2.394 | ug/L | 100 |
| 15) Methyl Acetate | 2.436 | 43 | 6305 | 2.800 | ug/L | 99 |
| 16) Methylene chloride | 2.510 | 84 | 6050 | 2.660 | ug/L | 96 |
| 17) trans-1,2-Dichloroethene | 2.767 | 96 | 4628 | 2.284 | ug/L | 86 |
| 18) Methyl tert-butyl Ether | 2.770 | 73 | 13417 | 2.205 | ug/L | 94 |
| 19) 1,1-Dichloroethane | 3.195 | 63 | 8804 | 2.332 | ug/L | 99 |
| 20) cis-1,2-Dichloroethene | 3.915 | 96 | 5396 | 2.491 | ug/L | 89 |
| 22) 2-Butanone | 3.989 | 43 | 7381m | 4.774 | ug/L | |
| 23) Bromochloromethane | 4.262 | 128 | 2824 | 2.314 | ug/L | 95 |
| 25) Chloroform | 4.378 | 83 | 10231 | 2.635 | ug/L | 90 |

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Sample : MDL02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
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Quant Time: Oct 29 02:16:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM102821WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 29 01:52:27 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.143 | 62 | 6185 | 2.122 | ug/L | | 100 |
| 29) Cyclohexane | 4.683 | 56 | 6264 | 2.059 | ug/L | | 98 |
| 30) 1,1,1-Trichloroethane | 4.612 | 97 | 8135 | 2.343 | ug/L | # | 59 |
| 31) Carbon tetrachloride | 4.831 | 117 | 7327 | 2.347 | ug/L | | 99 |
| 33) Benzene | 5.108 | 78 | 20202 | 2.488 | ug/L | | 100 |
| 34) Trichloroethene | 5.921 | 95 | 4818m | 2.271 | ug/L | | |
| 35) Methylcyclohexane | 6.133 | 83 | 6981 | 2.112 | ug/L | | 94 |
| 37) 1,2-Dichloropropane | 6.178 | 63 | 5108 | 2.394 | ug/L | # | 95 |
| 38) Bromodichloromethane | 6.516 | 83 | 6802 | 2.356 | ug/L | | 95 |
| 39) cis-1,3-Dichloropropene | 7.034 | 75 | 7904 | 2.443 | ug/L | | 95 |
| 40) 4-Methyl-2-pentanone | 7.233 | 43 | 12243 | 4.449 | ug/L | | 99 |
| 42) Toluene | 7.394 | 91 | 24569 | 2.828 | ug/L | | 96 |
| 44) trans-1,3-Dichloropropene | 7.661 | 75 | 7112 | 2.267 | ug/L | | 100 |
| 45) 1,1,2-Trichloroethane | 7.847 | 97 | 4950 | 2.272 | ug/L | | 93 |
| 46) Tetrachloroethene | 7.979 | 164 | 4258 | 2.328 | ug/L | | 86 |
| 48) 2-Hexanone | 8.149 | 43 | 11576 | 5.298 | ug/L | | 97 |
| 49) Dibromochloromethane | 8.246 | 129 | 5804 | 2.332 | ug/L | | 91 |
| 50) 1,2-Dibromoethane | 8.358 | 107 | 5655 | 2.464 | ug/L | | 93 |
| 51) Chlorobenzene | 8.886 | 112 | 13708 | 2.336 | ug/L | | 98 |
| 52) Ethylbenzene | 9.017 | 91 | 19659 | 2.127 | ug/L | | 95 |
| 53) m,p-Xylene | 9.143 | 106 | 7508 | 2.107 | ug/L | | 98 |
| 54) o-Xylene | 9.548 | 106 | 7410 | 2.136 | ug/L | | 90 |
| 55) Styrene | 9.567 | 104 | 11842 | 1.964 | ug/L | | 94 |
| 57) 1,1,2,2-Tetrachloroethane | 10.242 | 83 | 9059 | 2.608 | ug/L | # | 93 |
| 59) Bromoform | 9.734 | 173 | 3890 | 2.360 | ug/L | # | 97 |
| 60) Isopropylbenzene | 9.934 | 105 | 17854 | 2.145 | ug/L | | 98 |
| 61) 1,2,3-Trichloropropane | 10.278 | 75 | 6619 | 2.710 | ug/L | | 96 |
| 62) 1,3,5-Trimethylbenzene | 10.541 | 105 | 13894 | 2.026 | ug/L | | 99 |
| 63) 1,2,4-Trimethylbenzene | 10.918 | 105 | 14022 | 2.037 | ug/L | | 98 |
| 64) 1,3-Dichlorobenzene | 11.185 | 146 | 10160 | 2.414 | ug/L | | 96 |
| 65) 1,4-Dichlorobenzene | 11.275 | 146 | 11075 | 2.527 | ug/L | | 98 |
| 67) 1,2-Dichlorobenzene | 11.644 | 146 | 11253 | 2.644 | ug/L | | 88 |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75 | 1839 | 2.698 | ug/L | | 96 |
| 69) 1,3,5-Trichlorobenzene | 12.651 | 180 | 7744 | 2.433 | ug/L | | 94 |
| 70) 1,2,4-trichlorobenzene | 13.265 | 180 | 6853 | 2.484 | ug/L | | 94 |
| 71) Naphthalene | 13.506 | 128 | 20082 | 2.267 | ug/L | | 99 |
| 72) 1,2,3-Trichlorobenzene | 13.747 | 180 | 6818 | 2.338 | ug/L | | 98 |

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

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