Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111620\
Data File : VW017246.D
Acq On : 16 Nov 2020 10:14
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** VSTD02530

Quant Time: Nov 17 06:00:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 16 11:48:24 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 8.84 | 114 | 445037 | 25.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.63 | 117 | 400094 | 25.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152 | 205793 | 25.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.36 | 65 | 120956 | 21.58 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 86.32% | | | |
| 7) Chloroethane-d5 | 2.90 | 69 | 112438 | 26.03 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 104.12% | | | |
| 10) 1,1-Dichloroethene-d2 | 4.03 | 63 | 249680 | 24.90 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 99.60% | | | |
| 20) 2-Butanone-d5 | 7.08 | 46 | 55212 | 44.04 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 88.08% | | | |
| 24) Chloroform-d | 7.65 | 84 | 298443 | 28.73 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 114.92% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.31 | 65 | 140116 | 27.13 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 108.52% | | | |
| 29) Benzene-d6 | 8.27 | 84 | 533728 | 26.20 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 104.80% | | | |
| 33) 1,2-Dichloropropane-d6 | 9.27 | 67 | 148468 | 26.34 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 105.36% | | | |
| 37) Toluene-d8 | 10.32 | 98 | 519744 | 27.05 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 108.20% | | | |
| 38) trans-1,3-Dichloropropene- | 10.58 | 79 | 65264 | 25.69 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 102.76% | | | |
| 39) 2-Hexanone-d5 | 10.93 | 63 | 45411 | 46.17 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 92.34% | | | |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69 | 84 | 118114 | 24.06 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 96.24% | | | |
| 61) 1,2-Dichlorobenzene-d4 | 13.85 | 152 | 206014 | 28.41 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 113.64% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.01 | 85 | 99956 | 22.386 | ug/L | 99 |
| 3) Chloromethane | 2.22 | 50 | 77117 | 19.030 | ug/L | 99 |
| 5) Vinyl chloride | 2.37 | 62 | 134081 | 22.559 | ug/L | 99 |
| 6) Bromomethane | 2.79 | 94 | 103884 | 25.274 | ug/L | 98 |
| 8) Chloroethane | 2.93 | 64 | 86748 | 24.189 | ug/L | 96 |
| 9) Trichlorofluoromethane | 3.27 | 101 | 132710 | 27.453 | ug/L | 100 |
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.07 | 101 | 147210 | 25.627 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 4.04 | 96 | 129778 | 23.495 | ug/L | 91 |
| 13) Acetone | 4.13 | 43 | 29758 | 35.454 | ug/L | 95 |
| 14) Carbon disulfide | 4.39 | 76 | 305248 | 20.307 | ug/L | 100 |
| 15) Methyl Acetate | 4.67 | 43 | 35118 | 16.881 | ug/L | 96 |
| 16) Methylene chloride | 4.92 | 84 | 125904 | 20.984 | ug/L | 100 |
| 17) Methyl tert-butyl Ether | 5.43 | 73 | 158462 | 23.494 | ug/L | 96 |
| 18) trans-1,2-Dichloroethene | 5.43 | 96 | 136153 | 23.813 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 6.22 | 63 | 218685 | 24.141 | ug/L | 99 |
| 21) 2-Butanone | 7.17 | 43 | 47393 | 35.166 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 7.17 | 96 | 146838 | 24.289 | ug/L | 97 |

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Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** VSTD02530

Quant Time: Nov 17 06:00:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 16 11:48:24 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 7.52 | 128 | 66749 | 22.933 | ug/L | 97 |
| 25) Chloroform | 7.68 | 83 | 251302 | 25.481 | ug/L | 100 |
| 27) 1,2-Dichloroethane | 8.40 | 62 | 140375 | 23.751 | ug/L | 96 |
| 30) Cyclohexane | 7.96 | 56 | 174588 | 23.176 | ug/L | 94 |
| 31) 1,1,1-Trichloroethane | 7.87 | 97 | 232172 | 28.337 | ug/L | 99 |
| 32) Carbon tetrachloride | 8.07 | 117 | 221735 | 28.046 | ug/L | 98 |
| 34) Benzene | 8.32 | 78 | 509306 | 24.243 | ug/L | 100 |
| 35) Trichloroethene | 9.09 | 95 | 149398 | 25.386 | ug/L | 99 |
| 36) Methylcyclohexane | 9.34 | 83 | 230858 | 24.378 | ug/L | 97 |
| 40) 1,2-Dichloropropane | 9.37 | 63 | 115661 | 23.551 | ug/L | 98 |
| 41) Bromodichloromethane | 9.65 | 83 | 174696 | 25.720 | ug/L | 96 |
| 42) cis-1,3-Dichloropropene | 10.07 | 75 | 192358 | 24.729 | ug/L | 99 |
| 43) 4-Methyl-2-pentanone | 10.21 | 43 | 110685 | 36.531 | ug/L | 96 |
| 44) Toluene | 10.39 | 91 | 588064 | 25.430 | ug/L | 98 |
| 45) trans-1,3-Dichloropropene | 10.61 | 75 | 162819 | 24.373 | ug/L | 98 |
| 46) 1,1,2-Trichloroethane | 10.79 | 97 | 94836 | 22.398 | ug/L | 99 |
| 47) Tetrachloroethene | 10.87 | 164 | 134250 | 25.284 | ug/L | 97 |
| 49) 2-Hexanone | 10.97 | 43 | 71129 | 38.939 | ug/L | 96 |
| 50) Dibromochloromethane | 11.13 | 129 | 124372 | 24.110 | ug/L | 98 |
| 51) 1,2-Dibromoethane | 11.24 | 107 | 88536 | 21.523 | ug/L | 98 |
| 52) Chlorobenzene | 11.66 | 112 | 394595 | 25.229 | ug/L | 99 |
| 53) Ethylbenzene | 11.73 | 91 | 668388 | 25.877 | ug/L | 99 |
| 54) m,p-Xylene | 11.84 | 106 | 259733 | 25.706 | ug/L | 98 |
| 55) o-xylene | 12.16 | 106 | 250020 | 26.070 | ug/L | 98 |
| 56) Styrene | 12.18 | 104 | 415701 | 25.817 | ug/L | 95 |
| 57) Isopropylbenzene | 12.46 | 105 | 712262 | 27.366 | ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 12.71 | 83 | 99403 | 20.322 | ug/L | 98 |
| 59) 1,2,3-Trichloropropane | 12.77 | 75 | 68971 | 19.617 | ug/L | 98 |
| 62) Bromoform | 12.35 | 173 | 70888 | 22.440 | ug/L | 97 |
| 63) 1,3-Dichlorobenzene | 13.50 | 146 | 331996 | 25.934 | ug/L | 95 |
| 64) 1,4-Dichlorobenzene | 13.58 | 146 | 322649 | 25.087 | ug/L | 99 |
| 65) 1,2-Dichlorobenzene | 13.87 | 146 | 292665 | 25.351 | ug/L | 97 |
| 66) 1,2-Dibromo-3-chloropropan | 14.49 | 75 | 14729 | 19.297 | ug/L | 94 |
| 67) 1,3,5-Trichlorobenzene | 14.63 | 180 | 255822 | 27.119 | ug/L | 97 |
| 68) 1,2,4-trichlorobenzene | 15.13 | 180 | 197363 | 26.217 | ug/L | 98 |
| 69) Naphthalene | 15.37 | 128 | 305014 | 22.017 | ug/L | 100 |
| 70) 1,2,3-Trichlorobenzene | 15.55 | 180 | 161017 | 23.409 | ug/L | 96 |

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

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Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD02530

Quant Time: Nov 17 06:00:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
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