Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042920\
Data File : VU037902.D
Acq On : 29 Apr 2020 09:46
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD05052

Quant Time: Apr 30 01:07:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 29 15:53:29 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.28 | 114 | 626819 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.44 | 117 | 615055 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152 | 297858 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.61 | 65 | 230024 | 42.00 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 84.00% | | | |
| 7) Chloroethane-d5 | 1.93 | 69 | 207733 | 48.94 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 97.88% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.59 | 63 | 422573 | 47.67 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 95.34% | | | |
| 21) 2-Butanone-d5 | 4.66 | 46 | 448494 | 103.35 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 103.35% | | | |
| 24) Chloroform-d | 5.10 | 84 | 434652 | 52.10 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 104.20% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.74 | 65 | 293923 | 50.88 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 101.76% | | | |
| 32) Benzene-d6 | 5.76 | 84 | 876736 | 50.41 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 100.82% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.72 | 67 | 295541 | 50.80 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 101.60% | | | |
| 41) Toluene-d8 | 7.93 | 98 | 801052 | 50.11 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 100.22% | | | |
| 43) trans-1,3-Dichloropropene- | 8.20 | 79 | 146740 | 49.01 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 98.02% | | | |
| 47) 2-Hexanone-d5 | 8.65 | 63 | 331933 | 104.82 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 104.82% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77 | 84 | 450219 | 55.62 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 111.24% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.21 | 152 | 305667 | 52.74 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 105.48% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.39 | 85 | 242153 | 46.826 | ug/L | 100 |
| 3) Chloromethane | 1.53 | 50 | 290838 | 51.601 | ug/L | 99 |
| 5) Vinyl chloride | 1.62 | 62 | 304755 | 49.006 | ug/L | 98 |
| 6) Bromomethane | 1.86 | 94 | 159680 | 62.055 | ug/L | 97 |
| 8) Chloroethane | 1.95 | 64 | 184587 | 52.829 | ug/L | 98 |
| 9) Trichlorofluoromethane | 2.16 | 101 | 330511 | 49.987 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.60 | 101 | 209516 | 54.376 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.60 | 96 | 201307 | 52.899 | ug/L | 92 |
| 13) Acetone | 2.65 | 43 | 294869 | 113.889 | ug/L | 100 |
| 14) Carbon disulfide | 2.82 | 76 | 631343 | 46.389 | ug/L | 99 |
| 15) Methyl Acetate | 2.98 | 43 | 294951 | 47.133 | ug/L | 96 |
| 16) Methylene chloride | 3.08 | 84 | 243539 | 53.858 | ug/L | 94 |
| 17) trans-1,2-Dichloroethene | 3.39 | 96 | 220489 | 51.819 | ug/L | 94 |
| 18) Methyl tert-butyl Ether | 3.40 | 73 | 767889 | 52.391 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 3.91 | 63 | 447981 | 52.230 | ug/L | 100 |
| 20) cis-1,2-Dichloroethene | 4.71 | 96 | 248639 | 53.370 | ug/L | 96 |
| 22) 2-Butanone | 4.74 | 43 | 451323 | 99.551 | ug/L | 97 |

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Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD05052

Quant Time: Apr 30 01:07:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 29 15:53:29 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 5.01 | 128 | 116876 | 51.918 | ug/L | 96 |
| 25) Chloroform | 5.13 | 83 | 434286 | 54.113 | ug/L | 100 |
| 27) 1,2-Dichloroethane | 5.83 | 62 | 353679 | 51.455 | ug/L | 100 |
| 29) Cyclohexane | 5.42 | 56 | 411159 | 47.784 | ug/L | 95 |
| 30) 1,1,1-Trichloroethane | 5.35 | 97 | 353471 | 51.460 | ug/L | 99 |
| 31) Carbon tetrachloride | 5.56 | 117 | 283004 | 50.967 | ug/L | 99 |
| 33) Benzene | 5.81 | 78 | 971456 | 52.038 | ug/L | 100 |
| 34) Trichloroethene | 6.57 | 95 | 237015 | 51.760 | ug/L | 98 |
| 35) Methylcyclohexane | 6.79 | 83 | 404704 | 50.473 | ug/L | 97 |
| 37) 1,2-Dichloropropane | 6.82 | 63 | 262424 | 51.469 | ug/L | 99 |
| 38) Bromodichloromethane | 7.13 | 83 | 320349 | 52.003 | ug/L | 97 |
| 39) cis-1,3-Dichloropropene | 7.63 | 75 | 420673 | 51.531 | ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 7.82 | 43 | 837963 | 94.503 | ug/L | 96 |
| 42) Toluene | 8.00 | 91 | 1035412 | 52.901 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 8.23 | 75 | 401710 | 50.979 | ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 8.42 | 97 | 238426 | 53.604 | ug/L | 99 |
| 46) Tetrachloroethene | 8.57 | 164 | 162131 | 48.441 | ug/L | 95 |
| 48) 2-Hexanone | 8.71 | 43 | 674189 | 96.162 | ug/L | 96 |
| 49) Dibromochloromethane | 8.84 | 129 | 239681 | 51.605 | ug/L | 97 |
| 50) 1,2-Dibromoethane | 8.95 | 107 | 252102 | 52.324 | ug/L | 97 |
| 51) Chlorobenzene | 9.47 | 112 | 642594 | 52.783 | ug/L | 99 |
| 52) Ethylbenzene | 9.59 | 91 | 1165179 | 53.159 | ug/L | 99 |
| 53) m,p-Xylene | 9.71 | 106 | 443169 | 53.701 | ug/L | 100 |
| 54) o-xylene | 10.12 | 106 | 434410 | 53.824 | ug/L | 99 |
| 55) Styrene | 10.13 | 104 | 753757 | 54.305 | ug/L | 99 |
| 56) Isopropylbenzene | 10.50 | 105 | 1137967 | 53.275 | ug/L | 100 |
| 58) 1,1,2,2-Tetrachloroethane | 10.80 | 83 | 426189 | 53.876 | ug/L | 99 |
| 59) 1,2,3-Trichloropropane | 10.84 | 75 | 358121 | 52.286 | ug/L | 99 |
| 61) Bromoform | 10.31 | 173 | 167793 | 50.056 | ug/L | 99 |
| 62) 1,3-Dichlorobenzene | 11.76 | 146 | 492333 | 52.792 | ug/L | 98 |
| 63) 1,4-Dichlorobenzene | 11.85 | 146 | 497816 | 52.887 | ug/L | 98 |
| 65) 1,2-Dichlorobenzene | 12.23 | 146 | 494328 | 54.548 | ug/L | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 13.02 | 75 | 103175 | 51.085 | ug/L | 100 |
| 67) 1,3,5-Trichlorobenzene | 13.24 | 180 | 353768 | 52.198 | ug/L | 100 |
| 68) 1,2,4-trichlorobenzene | 13.87 | 180 | 337120 | 51.144 | ug/L | 99 |
| 69) Naphthalene | 14.12 | 128 | 1298263 | 54.926 | ug/L | 100 |
| 70) 1,2,3-Trichlorobenzene | 14.37 | 180 | 338940 | 52.074 | ug/L | 98 |

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

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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD05052

Quant Time: Apr 30 01:07:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
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