Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038609.D
Acq On : 06 Jun 2020 11:21
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00514

Quant Time: Jun 07 03:59:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sun Jun 07 02:13:00 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.28 | 114 | 338051 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.44 | 117 | 329503 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152 | 174940 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.61 | 65 | 92956 | 4.25 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 85.00% | | | |
| 7) Chloroethane-d5 | 1.93 | 69 | 79006 | 4.70 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 94.00% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.59 | 63 | 203410 | 4.72 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 94.40% | | | |
| 20) 2-Butanone-d5 | 4.68 | 46 | 340915 | 51.29 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 102.58% | | | |
| 24) Chloroform-d | 5.10 | 84 | 201685 | 4.91 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 98.20% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.74 | 65 | 111059 | 4.76 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 95.20% | | | |
| 32) Benzene-d6 | 5.76 | 84 | 390937 | 4.75 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 95.00% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.72 | 67 | 119552 | 4.73 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 94.60% | | | |
| 41) Toluene-d8 | 7.92 | 98 | 347964 | 4.72 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 94.40% | | | |
| 43) trans-1,3-Dichloropropene- | 8.20 | 79 | 50763 | 4.67 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 93.40% | | | |
| 46) 2-Hexanone-d5 | 8.66 | 63 | 292019 | 54.36 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 108.72% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77 | 84 | 106649 | 4.97 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 99.40% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.21 | 152 | 138285 | 4.58 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 91.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.39 | 85 | 133643 | 5.016 | ug/L | 99 |
| 3) Chloromethane | 1.53 | 50 | 115078 | 4.703 | ug/L | 99 |
| 5) Vinyl chloride | 1.62 | 62 | 128056 | 4.885 | ug/L | 99 |
| 6) Bromomethane | 1.88 | 94 | 72361 | 5.685 | ug/L | 100 |
| 8) Chloroethane | 1.95 | 64 | 77155 | 4.912 | ug/L | 98 |
| 9) Trichlorofluoromethane | 2.16 | 101 | 189436 | 5.447 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.61 | 101 | 119373 | 5.828 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.61 | 96 | 107755 | 5.176 | ug/L | 89 |
| 13) Acetone | 2.68 | 43 | 251503 | 57.821 | ug/L | 100 |
| 14) Carbon disulfide | 2.82 | 76 | 305134 | 4.319 | ug/L | 100 |
| 15) Methyl Acetate | 2.99 | 43 | 60741 | 5.700 | ug/L | 99 |
| 16) Methylene chloride | 3.08 | 84 | 122301 | 5.191 | ug/L | 98 |
| 17) Methyl tert-butyl Ether | 3.40 | 73 | 310232 | 5.683 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 3.39 | 96 | 114475 | 5.102 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 3.91 | 63 | 220636 | 5.495 | ug/L | 98 |
| 21) 2-Butanone | 4.76 | 43 | 415024 | 56.728 | ug/L | 94 |
| 22) cis-1,2-Dichloroethene | 4.71 | 96 | 129565 | 5.363 | ug/L | 97 |

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Data File : VU038609.D
Acq On : 06 Jun 2020 11:21
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00514

Quant Time: Jun 07 03:59:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sun Jun 07 02:13:00 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 5.02 | 128 | 57020 | 5.244 ug/L | 96 |
| 25) Chloroform | 5.13 | 83 | 226612 | 5.556 ug/L | 100 |
| 27) 1,2-Dichloroethane | 5.83 | 62 | 152449 | 5.309 ug/L | 100 |
| 29) 1,1,1-Trichloroethane | 5.35 | 97 | 194984 | 5.592 ug/L | 99 |
| 30) Cyclohexane | 5.42 | 56 | 188830 | 5.165 ug/L | 99 |
| 31) Carbon tetrachloride | 5.56 | 117 | 159989 | 5.512 ug/L | 99 |
| 33) Benzene | 5.81 | 78 | 488413 | 5.316 ug/L | 100 |
| 34) Trichloroethene | 6.57 | 95 | 126472 | 5.303 ug/L | 98 |
| 35) Methylcyclohexane | 6.79 | 83 | 189294 | 5.127 ug/L | 100 |
| 37) 1,2-Dichloropropane | 6.82 | 63 | 125896 | 5.445 ug/L | 100 |
| 38) Bromodichloromethane | 7.13 | 83 | 163498 | 5.694 ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 7.64 | 75 | 188716 | 5.523 ug/L | 97 |
| 40) 4-Methyl-2-pentanone | 7.82 | 43 | 920438 | 55.665 ug/L | 99 |
| 42) Toluene | 8.00 | 91 | 522272 | 5.419 ug/L | 98 |
| 44) trans-1,3-Dichloropropene | 8.23 | 75 | 165215 | 5.474 ug/L | 99 |
| 45) 1,1,2-Trichloroethane | 8.42 | 97 | 98798 | 5.664 ug/L | 95 |
| 47) Tetrachloroethene | 8.58 | 164 | 94119 | 5.432 ug/L | 98 |
| 48) 2-Hexanone | 8.71 | 43 | 700774 | 55.961 ug/L | 99 |
| 49) Dibromochloromethane | 8.83 | 129 | 109046 | 5.792 ug/L | 97 |
| 50) 1,2-Dibromoethane | 8.95 | 107 | 91218 | 5.461 ug/L | 95 |
| 51) Chlorobenzene | 9.47 | 112 | 337032 | 5.423 ug/L | 98 |
| 52) Ethylbenzene | 9.59 | 91 | 586561 | 5.470 ug/L | 99 |
| 53) m,p-Xylene | 9.71 | 106 | 229542 | 5.566 ug/L | 97 |
| 54) o-Xylene | 10.12 | 106 | 221317 | 5.591 ug/L | 99 |
| 55) Styrene | 10.13 | 104 | 384552 | 5.723 ug/L | 99 |
| 56) Isopropylbenzene | 10.50 | 105 | 593084 | 5.692 ug/L | 100 |
| 58) 1,1,2,2-Tetrachloroethane | 10.80 | 83 | 124231 | 5.604 ug/L | 98 |
| 59) 1,2,3-Trichloropropane | 10.84 | 75 | 95514 | 5.535 ug/L | 99 |
| 61) Bromoform | 10.31 | 173 | 59594 | 5.468 ug/L | 100 |
| 62) 1,3-Dichlorobenzene | 11.76 | 146 | 280502 | 5.457 ug/L | 99 |
| 63) 1,4-Dichlorobenzene | 11.85 | 146 | 281901 | 5.408 ug/L | 99 |
| 65) 1,2-Dichlorobenzene | 12.23 | 146 | 266748 | 5.465 ug/L | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 13.02 | 75 | 21484 | 5.437 ug/L | 91 |
| 67) 1,3,5-Trichlorobenzene | 13.24 | 180 | 208855 | 5.446 ug/L | 99 |
| 68) 1,2,4-trichlorobenzene | 13.87 | 180 | 193211 | 5.443 ug/L | 99 |
| 69) Naphthalene | 14.12 | 128 | 381458 | 5.400 ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 14.37 | 180 | 178362 | 5.523 ug/L | 97 |

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

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038609.D
Acq On : 06 Jun 2020 11:21
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00514

Quant Time: Jun 07 03:59:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sun Jun 07 02:13:00 2020
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