Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061720\
Data File : VU038960.D
Acq On : 17 Jun 2020 22:16
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00529

Quant Time: Jun 18 04:17:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 18 04:07:55 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.28 | 114 | 295071 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.44 | 117 | 294341 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.82 | 152 | 150465 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.61 | 65 | 86799 | 4.24 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 84.80% | | | |
| 7) Chloroethane-d5 | 1.93 | 69 | 85998 | 5.00 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 100.00% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.60 | 63 | 180172 | 4.34 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 86.80% | | | |
| 20) 2-Butanone-d5 | 4.68 | 46 | 313938 | 47.89 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 95.78% | | | |
| 24) Chloroform-d | 5.10 | 84 | 182778 | 4.49 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 89.80% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.74 | 65 | 110924 | 4.72 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 94.40% | | | |
| 32) Benzene-d6 | 5.76 | 84 | 411699 | 5.35 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 107.00% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.72 | 67 | 107263 | 4.51 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 90.20% | | | |
| 41) Toluene-d8 | 7.92 | 98 | 304063 | 4.41 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 88.20% | | | |
| 43) trans-1,3-Dichloropropene- | 8.20 | 79 | 48537 | 4.45 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 89.00% | | | |
| 46) 2-Hexanone-d5 | 8.65 | 63 | 279881 | 48.74 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 97.48% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77 | 84 | 103619 | 4.63 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 92.60% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.20 | 152 | 121859 | 4.33 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 86.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.39 | 85 | 126169 | 4.533 | ug/L | 98 |
| 3) Chloromethane | 1.53 | 50 | 117795 | 4.256 | ug/L | 98 |
| 5) Vinyl chloride | 1.62 | 62 | 125272 | 4.521 | ug/L | 97 |
| 6) Bromomethane | 1.88 | 94 | 42628 | 2.707 | ug/L | 92 |
| 8) Chloroethane | 1.95 | 64 | 90741 | 5.158 | ug/L | 98 |
| 9) Trichlorofluoromethane | 2.16 | 101 | 195252 | 4.637 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.61 | 101 | 95150 | 4.394 | ug/L | 100 |
| 12) 1,1-Dichloroethene | 2.61 | 96 | 95001 | 4.578 | ug/L | 95 |
| 13) Acetone | 2.69 | 43 | 211427 | 47.323 | ug/L | 98 |
| 14) Carbon disulfide | 2.82 | 76 | 314519 | 4.492 | ug/L | 100 |
| 15) Methyl Acetate | 2.99 | 43 | 51065 | 4.674 | ug/L | 94 |
| 16) Methylene chloride | 3.08 | 84 | 112879 | 4.730 | ug/L | 95 |
| 17) Methyl tert-butyl Ether | 3.40 | 73 | 261205 | 4.789 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 3.39 | 96 | 102918 | 4.726 | ug/L | 95 |
| 19) 1,1-Dichloroethane | 3.91 | 63 | 192332 | 4.865 | ug/L | 97 |
| 21) 2-Butanone | 4.76 | 43 | 351621 | 49.752 | ug/L | 95 |
| 22) cis-1,2-Dichloroethene | 4.71 | 96 | 110959 | 4.962 | ug/L | 95 |

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 18 04:07:55 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 5.01 | 128 | 50931 | 4.808 | ug/L | 94 |
| 25) Chloroform | 5.13 | 83 | 194508 | 4.831 | ug/L | 98 |
| 27) 1,2-Dichloroethane | 5.83 | 62 | 141038 | 4.812 | ug/L | 98 |
| 29) 1,1,1-Trichloroethane | 5.36 | 97 | 172678 | 4.729 | ug/L | 98 |
| 30) Cyclohexane | 5.42 | 56 | 147851 | 4.267 | ug/L | 100 |
| 31) Carbon tetrachloride | 5.56 | 117 | 141083 | 4.383 | ug/L | 99 |
| 33) Benzene | 5.81 | 78 | 416339 | 4.735 | ug/L | 100 |
| 34) Trichloroethene | 6.57 | 95 | 116099 | 5.204 | ug/L | 95 |
| 35) Methylcyclohexane | 6.79 | 83 | 152283 | 4.306 | ug/L | 98 |
| 37) 1,2-Dichloropropane | 6.82 | 63 | 110195 | 4.799 | ug/L | 99 |
| 38) Bromodichloromethane | 7.13 | 83 | 142176 | 4.762 | ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 7.63 | 75 | 159146 | 4.717 | ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 7.82 | 43 | 799845 | 50.554 | ug/L | 99 |
| 42) Toluene | 7.99 | 91 | 441010 | 4.843 | ug/L | 98 |
| 44) trans-1,3-Dichloropropene | 8.23 | 75 | 146660 | 4.729 | ug/L | 99 |
| 45) 1,1,2-Trichloroethane | 8.42 | 97 | 85351 | 5.008 | ug/L | 99 |
| 47) Tetrachloroethene | 8.57 | 164 | 77734 | 4.497 | ug/L | 98 |
| 48) 2-Hexanone | 8.71 | 43 | 622548 | 51.940 | ug/L | 100 |
| 49) Dibromochloromethane | 8.83 | 129 | 98535 | 4.826 | ug/L | 97 |
| 50) 1,2-Dibromoethane | 8.94 | 107 | 81106 | 4.759 | ug/L | 97 |
| 51) Chlorobenzene | 9.47 | 112 | 274606 | 4.639 | ug/L | 98 |
| 52) Ethylbenzene | 9.59 | 91 | 457158 | 4.640 | ug/L | 100 |
| 53) m,p-Xylene | 9.71 | 106 | 177353 | 4.666 | ug/L | 99 |
| 54) o-Xylene | 10.12 | 106 | 169826 | 4.663 | ug/L | 99 |
| 55) Styrene | 10.13 | 104 | 306556 | 4.885 | ug/L | 99 |
| 56) Isopropylbenzene | 10.50 | 105 | 442785 | 4.568 | ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.80 | 83 | 110921 | 4.714 | ug/L | 99 |
| 59) 1,2,3-Trichloropropane | 10.84 | 75 | 82173 | 4.641 | ug/L | 98 |
| 61) Bromoform | 10.31 | 173 | 57029 | 4.684 | ug/L | 100 |
| 62) 1,3-Dichlorobenzene | 11.76 | 146 | 224017 | 4.788 | ug/L | 97 |
| 63) 1,4-Dichlorobenzene | 11.85 | 146 | 225112 | 4.675 | ug/L | 99 |
| 65) 1,2-Dichlorobenzene | 12.22 | 146 | 216683 | 4.692 | ug/L | 96 |
| 66) 1,2-Dibromo-3-chloropropan | 13.01 | 75 | 19587 | 4.206 | ug/L | 99 |
| 67) 1,3,5-Trichlorobenzene | 13.24 | 180 | 166248 | 4.364 | ug/L | 99 |
| 68) 1,2,4-trichlorobenzene | 13.86 | 180 | 149223 | 4.338 | ug/L | 97 |
| 69) Naphthalene | 14.11 | 128 | 292843 | 4.404 | ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 14.36 | 180 | 143621 | 4.506 | ug/L | 98 |

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

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