Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021920\
Data File : VU036860.D
Acq On : 19 Feb 2020 20:35
Operator : JC/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00525

Quant Time: Feb 20 04:51:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 20 04:46:21 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.28 | 114 | 138226 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.44 | 117 | 127418 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152 | 58842 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.61 | 65 | 47780 | 4.02 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 80.40% | | | |
| 7) Chloroethane-d5 | 1.93 | 69 | 44910 | 4.35 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 87.00% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.59 | 63 | 90427 | 4.55 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 91.00% | | | |
| 20) 2-Butanone-d5 | 4.68 | 46 | 129279 | 51.86 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 103.72% | | | |
| 24) Chloroform-d | 5.11 | 84 | 86623 | 4.72 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 94.40% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.74 | 65 | 48197 | 4.59 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 91.80% | | | |
| 32) Benzene-d6 | 5.76 | 84 | 182364 | 4.71 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 94.20% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.73 | 67 | 58527 | 4.76 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 95.20% | | | |
| 41) Toluene-d8 | 7.92 | 98 | 169502 | 4.70 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 94.00% | | | |
| 43) trans-1,3-Dichloropropene- | 8.20 | 79 | 21290 | 4.45 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 89.00% | | | |
| 46) 2-Hexanone-d5 | 8.66 | 63 | 109182 | 50.03 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 100.06% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78 | 84 | 45075 | 4.65 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 93.00% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.21 | 152 | 54517 | 4.64 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 92.80% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.39 | 85 | 39840 | 4.364 | ug/L | 99 |
| 3) Chloromethane | 1.54 | 50 | 43391 | 4.567 | ug/L | 100 |
| 5) Vinyl chloride | 1.62 | 62 | 47864 | 4.313 | ug/L | 97 |
| 6) Bromomethane | 1.87 | 94 | 22625 | 3.393 | ug/L | 96 |
| 8) Chloroethane | 1.95 | 64 | 31826 | 4.105 | ug/L | 99 |
| 9) Trichlorofluoromethane | 2.16 | 101 | 64035 | 4.385 | ug/L | 97 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.60 | 101 | 41871 | 4.491 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.60 | 96 | 39100 | 4.650 | ug/L | 95 |
| 13) Acetone | 2.67 | 43 | 82260 | 25.806 | ug/L | 99 |
| 14) Carbon disulfide | 2.82 | 76 | 84745 | 4.177 | ug/L | 100 |
| 15) Methyl Acetate | 2.99 | 43 | 20794 | 4.916 | ug/L | 99 |
| 16) Methylene chloride | 3.08 | 84 | 46682 | 3.294 | ug/L | 97 |
| 17) Methyl tert-butyl Ether | 3.41 | 73 | 119364 | 4.793 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 3.39 | 96 | 40716 | 4.693 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 3.91 | 63 | 87186 | 4.792 | ug/L | 99 |
| 21) 2-Butanone | 4.76 | 43 | 138991 | 37.483 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 4.71 | 96 | 50011 | 4.763 | ug/L | 94 |

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 20 04:46:21 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 5.02 | 128 | 19668 | 4.712 ug/L | 97 |
| 25) Chloroform | 5.13 | 83 | 87987 | 4.528 ug/L | 98 |
| 27) 1,2-Dichloroethane | 5.84 | 62 | 57308 | 4.627 ug/L | 100 |
| 29) 1,1,1-Trichloroethane | 5.36 | 97 | 67402 | 4.816 ug/L | 99 |
| 30) Cyclohexane | 5.42 | 56 | 72018 | 4.845 ug/L | 97 |
| 31) Carbon tetrachloride | 5.56 | 117 | 50406 | 4.465 ug/L | 96 |
| 33) Benzene | 5.81 | 78 | 187345 | 4.767 ug/L | 100 |
| 34) Trichloroethene | 6.57 | 95 | 47055 | 4.701 ug/L | 99 |
| 35) Methylcyclohexane | 6.79 | 83 | 72960 | 4.593 ug/L | 96 |
| 37) 1,2-Dichloropropane | 6.82 | 63 | 52068 | 4.852 ug/L | 99 |
| 38) Bromodichloromethane | 7.14 | 83 | 60610 | 4.733 ug/L | 95 |
| 39) cis-1,3-Dichloropropene | 7.64 | 75 | 73181 | 4.713 ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 7.83 | 43 | 345688 | 49.920 ug/L | 98 |
| 42) Toluene | 8.00 | 91 | 203632 | 4.824 ug/L | 98 |
| 44) trans-1,3-Dichloropropene | 8.24 | 75 | 57686 | 4.754 ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 8.43 | 97 | 35746 | 4.788 ug/L | 99 |
| 47) Tetrachloroethene | 8.58 | 164 | 30719 | 4.511 ug/L | 95 |
| 48) 2-Hexanone | 8.71 | 43 | 247775 | 41.811 ug/L | 98 |
| 49) Dibromochloromethane | 8.83 | 129 | 36536 | 4.732 ug/L | 96 |
| 50) 1,2-Dibromoethane | 8.95 | 107 | 32051 | 4.753 ug/L | 99 |
| 51) Chlorobenzene | 9.47 | 112 | 125032 | 4.788 ug/L | 99 |
| 52) Ethylbenzene | 9.59 | 91 | 224362 | 4.759 ug/L | 100 |
| 53) m,p-Xylene | 9.71 | 106 | 83310 | 4.802 ug/L | 94 |
| 54) o-Xylene | 10.12 | 106 | 82112 | 4.820 ug/L | 94 |
| 55) Styrene | 10.13 | 104 | 136635 | 4.757 ug/L | 100 |
| 56) Isopropylbenzene | 10.50 | 105 | 219133 | 4.806 ug/L | 100 |
| 58) 1,1,2,2-Tetrachloroethane | 10.80 | 83 | 46384 | 4.746 ug/L | 99 |
| 59) 1,2,3-Trichloropropane | 10.84 | 75 | 34460 | 4.864 ug/L | 100 |
| 61) Bromoform | 10.31 | 173 | 18731 | 4.620 ug/L | 97 |
| 62) 1,3-Dichlorobenzene | 11.76 | 146 | 94134 | 4.643 ug/L | 99 |
| 63) 1,4-Dichlorobenzene | 11.85 | 146 | 93938 | 4.674 ug/L | 99 |
| 65) 1,2-Dichlorobenzene | 12.23 | 146 | 91403 | 4.677 ug/L | 100 |
| 66) 1,2-Dibromo-3-chloropropan | 13.02 | 75 | 7164 | 4.912 ug/L | 96 |
| 67) 1,3,5-Trichlorobenzene | 13.24 | 180 | 67229 | 4.710 ug/L | 99 |
| 68) 1,2,4-trichlorobenzene | 13.87 | 180 | 55756 | 5.180 ug/L | 98 |
| 69) Naphthalene | 14.12 | 128 | 178791 | 9.169 ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 14.36 | 180 | 51526 | 5.335 ug/L | 98 |

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

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