Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031920\
Data File : VU037334.D
Acq On : 19 Mar 2020 09:31
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00513

Quant Time: Mar 20 01:55:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Mar 17 14:02:36 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.28 | 114 | 187345 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.44 | 117 | 186198 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152 | 95626 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.61 | 65 | 43759 | 4.48 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 89.60% | | | |
| 7) Chloroethane-d5 | 1.93 | 69 | 41395 | 4.75 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 95.00% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.59 | 63 | 99499 | 4.63 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 92.60% | | | |
| 20) 2-Butanone-d5 | 4.68 | 46 | 152698 | 51.78 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 103.56% | | | |
| 24) Chloroform-d | 5.11 | 84 | 111210 | 4.93 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 98.60% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.74 | 65 | 63455 | 4.82 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 96.40% | | | |
| 32) Benzene-d6 | 5.76 | 84 | 190978 | 4.84 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 96.80% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.73 | 67 | 62580 | 4.83 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 96.60% | | | |
| 41) Toluene-d8 | 7.93 | 98 | 185718 | 4.84 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 96.80% | | | |
| 43) trans-1,3-Dichloropropene- | 8.21 | 79 | 29171 | 5.06 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 101.20% | | | |
| 46) 2-Hexanone-d5 | 8.66 | 63 | 134302 | 52.27 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 104.54% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78 | 84 | 57173 | 5.15 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 103.00% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.21 | 152 | 75088 | 4.81 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 96.20% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) Dichlorodifluoromethane | 1.39 | 85 | 105339 | 4.858 | ug/L | 100 |
| 3) Chloromethane | 1.54 | 50 | 92839 | 4.362 | ug/L | 99 |
| 5) Vinyl chloride | 1.62 | 62 | 91473 | 4.800 | ug/L | 99 |
| 6) Bromomethane | 1.87 | 94 | 46023 | 4.749 | ug/L | 97 |
| 8) Chloroethane | 1.95 | 64 | 50513 | 4.597 | ug/L | 97 |
| 9) Trichlorofluoromethane | 2.16 | 101 | 139369 | 4.849 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.61 | 101 | 65828 | 4.947 | ug/L | 97 |
| 12) 1,1-Dichloroethene | 2.60 | 96 | 59197 | 4.929 | ug/L | 99 |
| 13) Acetone | 2.67 | 43 | 129745 | 52.018 | ug/L | 97 |
| 14) Carbon disulfide | 2.82 | 76 | 182778 | 4.721 | ug/L | 99 |
| 15) Methyl Acetate | 2.99 | 43 | 28781 | 5.018 | ug/L | 95 |
| 16) Methylene chloride | 3.08 | 84 | 65355 | 4.522 | ug/L | 99 |
| 17) Methyl tert-butyl Ether | 3.40 | 73 | 172101 | 4.984 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 3.39 | 96 | 64026 | 4.946 | ug/L | 95 |
| 19) 1,1-Dichloroethane | 3.91 | 63 | 126363 | 4.846 | ug/L | 95 |
| 21) 2-Butanone | 4.76 | 43 | 209615 | 52.626 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 4.71 | 96 | 72051 | 5.017 | ug/L | 98 |

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Data File : VU037334.D
Acq On : 19 Mar 2020 09:31
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00513

Quant Time: Mar 20 01:55:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Mar 17 14:02:36 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 5.02 | 128 | 31259 | 4.805 ug/L | 95 |
| 25) Chloroform | 5.13 | 83 | 136289 | 4.801 ug/L | 99 |
| 27) 1,2-Dichloroethane | 5.83 | 62 | 96264 | 4.826 ug/L | 98 |
| 29) 1,1,1-Trichloroethane | 5.36 | 97 | 124938 | 4.906 ug/L | 99 |
| 30) Cyclohexane | 5.43 | 56 | 110252 | 4.832 ug/L | 98 |
| 31) Carbon tetrachloride | 5.56 | 117 | 111963 | 4.997 ug/L | 98 |
| 33) Benzene | 5.81 | 78 | 272768 | 4.878 ug/L | 100 |
| 34) Trichloroethene | 6.57 | 95 | 74709 | 4.890 ug/L | 98 |
| 35) Methylcyclohexane | 6.79 | 83 | 115138 | 4.983 ug/L | 97 |
| 37) 1,2-Dichloropropane | 6.83 | 63 | 70341 | 4.756 ug/L | 99 |
| 38) Bromodichloromethane | 7.14 | 83 | 101033 | 4.855 ug/L | 97 |
| 39) cis-1,3-Dichloropropene | 7.64 | 75 | 106424 | 4.787 ug/L | 96 |
| 40) 4-Methyl-2-pentanone | 7.83 | 43 | 508423 | 50.977 ug/L | 99 |
| 42) Toluene | 8.00 | 91 | 305116 | 5.061 ug/L | 98 |
| 44) trans-1,3-Dichloropropene | 8.24 | 75 | 95822 | 5.138 ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 8.43 | 97 | 52096 | 4.885 ug/L | 97 |
| 47) Tetrachloroethene | 8.58 | 164 | 59306 | 4.998 ug/L | 96 |
| 48) 2-Hexanone | 8.72 | 43 | 372300 | 50.836 ug/L | 99 |
| 49) Dibromochloromethane | 8.83 | 129 | 71843 | 5.166 ug/L | 98 |
| 50) 1,2-Dibromoethane | 8.95 | 107 | 52465 | 5.063 ug/L | 99 |
| 51) Chlorobenzene | 9.47 | 112 | 192097 | 4.937 ug/L | 99 |
| 52) Ethylbenzene | 9.59 | 91 | 338907 | 4.955 ug/L | 100 |
| 53) m,p-Xylene | 9.72 | 106 | 127021 | 5.049 ug/L | 98 |
| 54) o-Xylene | 10.12 | 106 | 123270 | 5.133 ug/L | 98 |
| 55) Styrene | 10.14 | 104 | 207401 | 5.132 ug/L | 99 |
| 56) Isopropylbenzene | 10.50 | 105 | 337958 | 5.036 ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.80 | 83 | 69683 | 4.956 ug/L | 99 |
| 59) 1,2,3-Trichloropropane | 10.84 | 75 | 50775 | 4.834 ug/L | 99 |
| 61) Bromoform | 10.31 | 173 | 41648 | 4.940 ug/L | 98 |
| 62) 1,3-Dichlorobenzene | 11.76 | 146 | 155188 | 4.835 ug/L | 97 |
| 63) 1,4-Dichlorobenzene | 11.85 | 146 | 154602 | 4.837 ug/L | 98 |
| 65) 1,2-Dichlorobenzene | 12.23 | 146 | 147217 | 4.711 ug/L | 98 |
| 66) 1,2-Dibromo-3-chloropropan | 13.02 | 75 | 12166 | 4.999 ug/L | 97 |
| 67) 1,3,5-Trichlorobenzene | 13.25 | 180 | 119130 | 4.864 ug/L | 99 |
| 68) 1,2,4-trichlorobenzene | 13.88 | 180 | 85145 | 5.006 ug/L | 96 |
| 69) Naphthalene | 14.12 | 128 | 116062 | 4.765 ug/L | 98 |
| 70) 1,2,3-Trichlorobenzene | 14.37 | 180 | 78130 | 4.741 ug/L | 98 |

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

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Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00513

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