Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101118\
Data File : VX005278.D
Acq On : 12 Oct 2018 02:15
Operator : JC/MD
Sample : J5317-04MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RE-122D3-20181004MSD

**Manual Integrations APPROVED**
MMDadoda
10/12/2018 2:34:12 PM

Quant Time: Oct 12 08:14:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.66 | 168 | 241603 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 318192 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 299185 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 169696 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 172823 | 50.07 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 100.14% | | | |
| 35) Dibromofluoromethane | 5.49 | 113 | 140103 | 51.95 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 103.90% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 445582 | 49.70 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 99.40% | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 173800 | 53.81 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 107.62% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.19 | 85 | 175885 | 53.39 | ug/l | | 96 |
| 3) Chloromethane | 1.32 | 50 | 185818 | 46.49 | ug/l | | 98 |
| 4) Vinyl Chloride | 1.40 | 62 | 194280 | 51.83 | ug/l | | 100 |
| 5) Bromomethane | 1.64 | 94 | 83822 | 37.71 | ug/l | | 92 |
| 6) Chloroethane | 1.70 | 64 | 113066 | 55.61 | ug/l | | 94 |
| 7) Trichlorofluoromethane | 1.92 | 101 | 234013 | 50.43 | ug/l | | 99 |
| 8) Diethyl Ether | 2.19 | 74 | 92591 | 45.93 | ug/l | | 93 |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 121625 | 46.01 | ug/l | | 98 |
| 10) Methyl Iodide | 2.50 | 142 | 131431 | 37.16 | ug/l | | 92 |
| 11) Tert butyl alcohol | 3.09 | 59 | 258835 | 268.22 | ug/l | | 97 |
| 12) 1,1-Dichloroethene | 2.37 | 96 | 132621 | 50.66 | ug/l | | 93 |
| 13) Acrolein | 2.29 | 56 | 90935 | 132.44 | ug/l | | 95 |
| 14) Allyl chloride | 2.73 | 41 | 247782 | 43.38 | ug/l | | 96 |
| 15) Acrylonitrile | 3.15 | 53 | 539872 | 254.13 | ug/l | | 95 |
| 16) Acetone | 2.45 | 43 | 513184 | 254.69 | ug/l | | 100 |
| 17) Carbon Disulfide | 2.56 | 76 | 374368 | 47.59 | ug/l | | 99 |
| 18) Methyl Acetate | 2.78 | 43 | 173678 | 34.02 | ug/l | | 98 |
| 19) Methyl tert-butyl Ether | 3.21 | 73 | 464836 | 51.48 | ug/l | | 98 |
| 20) Methylene Chloride | 2.85 | 84 | 148441 | 50.68 | ug/l | # | 87 |
| 21) trans-1,2-Dichloroethene | 3.15 | 96 | 136767 | 47.73 | ug/l | | 91 |
| 22) Diisopropyl ether | 3.87 | 45 | 496582 | 51.63 | ug/l | # | 83 |
| 23) Vinyl Acetate | 3.82 | 43 | 1249929 | 141.97 | ug/l | | 99 |
| 24) 1,1-Dichloroethane | 3.69 | 63 | 269205 | 46.92 | ug/l | | 100 |
| 25) 2-Butanone | 4.70 | 43 | 730879 | 246.08 | ug/l | | 93 |
| 26) 2,2-Dichloropropane | 4.58 | 77 | 41379 | 10.36 | ug/l | | 83 |
| 27) cis-1,2-Dichloroethene | 4.59 | 96 | 157747 | 49.27 | ug/l | | 89 |
| 28) Bromochloromethane | 5.02 | 49 | 97698 | 36.16 | ug/l | | 98 |
| 29) Tetrahydrofuran | 5.15 | 42 | 481622 | 260.90 | ug/l | | 99 |
| 30) Chloroform | 5.21 | 83 | 249563 | 46.02 | ug/l | | 99 |
| 31) Cyclohexane | 5.57 | 56 | 233072 | 53.08 | ug/l | # | 81 |
| 32) 1,1,1-Trichloroethane | 5.49 | 97 | 223189 | 50.40 | ug/l | | 94 |
| 36) 1,1-Dichloropropene | 5.79 | 75 | 196770 | 53.48 | ug/l | | 90 |
| 37) Ethyl Acetate | 4.85 | 43 | 160738 | 32.91 | ug/l | | 98 |
| 38) Carbon Tetrachloride | 5.79 | 117 | 194799 | 50.37 | ug/l | | 98 |

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Quant Time: Oct 12 08:14:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 39) Methylcyclohexane | 7.46 | 83 | 181133 | 48.21 ug/l # | 85 |
| 40) Benzene | 6.14 | 78 | 566011 | 49.14 ug/l | 99 |
| 41) Methacrylonitrile | 5.06 | 41 | 142741 | 52.70 ug/l | 94 |
| 42) 1,2-Dichloroethane | 6.20 | 62 | 201240 | 49.42 ug/l | 97 |
| 43) Isopropyl Acetate | 6.46 | 43 | 248947 | 35.32 ug/l | 95 |
| 44) Trichloroethene | 7.21 | 130 | 147493 | 52.09 ug/l | 97 |
| 45) 1,2-Dichloropropane | 7.52 | 63 | 134872 | 47.75 ug/l | 100 |
| 46) Dibromomethane | 7.66 | 93 | 88819 | 50.03 ug/l | 99 |
| 47) Bromodichloromethane | 7.90 | 83 | 171627 | 51.64 ug/l | 99 |
| 48) Methyl methacrylate | 7.78 | 41 | 172706 | 53.98 ug/l | 99 |
| 49) 1,4-Dioxane | 7.76 | 88 | 85893 | 1080.56 ug/l | 98 |
| 51) 4-Methyl-2-Pentanone | 8.65 | 43 | 1183690 | 266.69 ug/l | 99 |
| 52) Toluene | 8.79 | 92 | 316314 | 49.98 ug/l | 97 |
| 53) t-1,3-Dichloropropene | 9.04 | 75 | 149728 | 39.86 ug/l | 93 |
| 54) cis-1,3-Dichloropropene | 8.44 | 75 | 158797 | 40.36 ug/l | 97 |
| 55) 1,1,2-Trichloroethane | 9.22 | 97 | 131981 | 47.60 ug/l | 95 |
| 56) Ethyl methacrylate | 9.18 | 69 | 206815 | 46.20 ug/l | 97 |
| 57) 1,3-Dichloropropane | 9.37 | 76 | 219261 | 47.52 ug/l | 98 |
| 59) 2-Hexanone | 9.50 | 43 | 964163 | 260.68 ug/l | 95 |
| 60) Dibromochloromethane | 9.59 | 129 | 141789 | 51.14 ug/l | 98 |
| 61) 1,2-Dibromoethane | 9.68 | 107 | 138118 | 46.52 ug/l | 96 |
| 64) Tetrachloroethene | 9.34 | 164 | 127636 | 43.35 ug/l | 94 |
| 65) Chlorobenzene | 10.14 | 112 | 356313 | 46.44 ug/l | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.22 | 131 | 133471 | 49.49 ug/l | 99 |
| 67) Ethyl Benzene | 10.26 | 91 | 604508 | 49.63 ug/l | 96 |
| 68) m/p-Xylenes | 10.36 | 106 | 468609 | 98.45 ug/l | 95 |
| 69) o-Xylene | 10.70 | 106 | 228121 | 52.18 ug/l | 99 |
| 70) Styrene | 10.71 | 104 | 384348 | 47.13 ug/l | 100 |
| 71) Bromoform | 10.86 | 173 | 120260 | 52.08 ug/l | 96 |
| 73) Isopropylbenzene | 11.02 | 105 | 615171 | 57.51 ug/l | 99 |
| 74) N-amyl acetate | 10.90 | 43 | 175700 | 30.59 ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.27 | 83 | 225192 | 51.72 ug/l | 100 |
| 76) 1,2,3-Trichloropropane | 11.30 | 75 | 194795m | 51.21 ug/l | |
| 77) Bromobenzene | 11.26 | 156 | 169595 | 54.59 ug/l | 97 |
| 78) n-propylbenzene | 11.36 | 91 | 695353 | 56.66 ug/l | 99 |
| 79) 2-Chlorotoluene | 11.42 | 91 | 423883 | 55.41 ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105 | 524922 | 53.56 ug/l | 100 |
| 81) trans-1,4-Dichloro-2-buten | 11.08 | 75 | 39719 | 29.34 ug/l | 99 |
| 82) 4-Chlorotoluene | 11.51 | 91 | 495159 | 54.99 ug/l | 100 |
| 83) tert-Butylbenzene | 11.77 | 119 | 530435 | 60.23 ug/l | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.81 | 105 | 541563 | 53.58 ug/l | 99 |
| 85) sec-Butylbenzene | 11.94 | 105 | 612815 | 57.13 ug/l | 99 |
| 86) p-Isopropyltoluene | 12.07 | 119 | 552339 | 56.83 ug/l | 100 |
| 87) 1,3-Dichlorobenzene | 12.02 | 146 | 307120 | 52.94 ug/l | 100 |
| 88) 1,4-Dichlorobenzene | 12.10 | 146 | 314203 | 52.47 ug/l | 100 |
| 89) n-Butylbenzene | 12.39 | 91 | 464459 | 52.62 ug/l | 99 |
| 90) Hexachloroethane | 12.60 | 117 | 96412 | 59.58 ug/l | 98 |
| 91) 1,2-Dichlorobenzene | 12.40 | 146 | 319013 | 52.62 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75 | 55244 | 57.79 ug/l | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180 | 232640 | 54.70 ug/l | 100 |

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Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 94) Hexachlorobutadiene | 13.79 | 225 | 108649 | 49.27 | ug/l | 99 |
| 95) Naphthalene | 13.83 | 128 | 766518 | 54.24 | ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180 | 247821 | 56.41 | ug/l | 99 |

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

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