Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031419\
Data File : VX008066.D
Acq On : 14 Mar 2019 12:39
Operator : JC/SP
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
MMDadoda
3/15/2019 9:07:06 AM

Quant Time: Mar 14 15:06:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 14 14:45:01 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.66 | 168 | 311355 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 442597 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 397822 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 221519 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 446386 | 147.97 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 295.94% | | | |
| 35) Dibromofluoromethane | 5.50 | 113 | 412164 | 153.74 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 307.48% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 1600818 | 154.88 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 309.76% | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 600598 | 161.45 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 322.90% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.20 | 85 | 388490 | 154.949 | ug/l | 99 |
| 3) Chloromethane | 1.32 | 50 | 455633 | 167.599 | ug/l | 98 |
| 4) Vinyl Chloride | 1.41 | 62 | 397824 | 153.290 | ug/l | 100 |
| 5) Bromomethane | 1.64 | 94 | 195003 | 147.942 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.92 | 101 | 469809 | 152.725 | ug/l | 98 |
| 8) Diethyl Ether | 2.19 | 74 | 254313 | 153.450 | ug/l | 92 |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 389366 | 159.375 | ug/l | 97 |
| 10) Methyl Iodide | 2.51 | 142 | 421690 | 109.177 | ug/l | 97 |
| 11) Tert butyl alcohol | 3.09 | 59 | 441586 | 730.056 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.37 | 96 | 366900 | 156.175 | ug/l | 93 |
| 13) Acrolein | 2.30 | 56 | 386872 | 691.991 | ug/l | 99 |
| 14) Allyl chloride | 2.73 | 41 | 665414 | 154.393 | ug/l | 97 |
| 15) Acrylonitrile | 3.15 | 53 | 1068984 | 727.330 | ug/l | 100 |
| 16) Acetone | 2.45 | 43 | 1100609 | 771.877 | ug/l | 96 |
| 17) Carbon Disulfide | 2.57 | 76 | 1099310 | 156.842 | ug/l | 100 |
| 18) Methyl Acetate | 2.78 | 43 | 485196 | 150.264 | ug/l | 96 |
| 19) Methyl tert-butyl Ether | 3.20 | 73 | 1202467 | 152.711 | ug/l | 98 |
| 20) Methylene Chloride | 2.85 | 84 | 385503 | 149.512 | ug/l | 94 |
| 21) trans-1,2-Dichloroethene | 3.17 | 96 | 388521 | 154.865 | ug/l | 93 |
| 22) Diisopropyl ether | 3.87 | 45 | 1271842 | 147.439 | ug/l | 96 |
| 23) Vinyl Acetate | 3.82 | 43 | 5451289 | 723.083 | ug/l | 97 |
| 24) 1,1-Dichloroethane | 3.70 | 63 | 686490 | 144.788 | ug/l | 99 |
| 25) 2-Butanone | 4.70 | 43 | 1634579 | 720.501 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 4.58 | 77 | 576592 | 162.722 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.59 | 96 | 452588 | 153.750 | ug/l | 97 |
| 28) Bromochloromethane | 5.02 | 49 | 313737 | 137.484 | ug/l | 92 |
| 29) Tetrahydrofuran | 5.15 | 42 | 1015401 | 705.063 | ug/l | 96 |
| 30) Chloroform | 5.21 | 83 | 699484 | 150.868 | ug/l | 99 |
| 31) Cyclohexane | 5.57 | 56 | 699542 | 155.279 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 5.49 | 97 | 623570 | 153.799 | ug/l | 97 |
| 36) 1,1-Dichloropropene | 5.79 | 75 | 562370 | 159.128 | ug/l | 99 |
| 37) Ethyl Acetate | 4.85 | 43 | 580941 | 148.569 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.78 | 117 | 559159 | 160.072 | ug/l | 98 |
| 39) Methylcyclohexane | 7.46 | 83 | 767455 | 166.818 | ug/l | 99 |

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**ClientSampleId :**
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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 40) Benzene | 6.14 | 78 | 1667811 | 153.749 | ug/l | | 100 |
| 41) Methacrylonitrile | 5.06 | 41 | 331405 | 148.629 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 6.20 | 62 | 524352 | 151.254 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.46 | 43 | 944833 | 150.259 | ug/l | | 98 |
| 44) Trichloroethene | 7.21 | 130 | 491917 | 159.213 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.51 | 63 | 449329 | 155.380 | ug/l | | 100 |
| 46) Dibromomethane | 7.66 | 93 | 286865 | 156.656 | ug/l | | 98 |
| 47) Bromodichloromethane | 7.90 | 83 | 559147 | 161.055 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.77 | 41 | 507897 | 150.951 | ug/l | | 97 |
| 49) 1,4-Dioxane | 7.76 | 88 | 211380 | 3028.620 | ug/l | | 97 |
| 51) 4-Methyl-2-Pentanone | 8.65 | 43 | 3018315 | 731.782 | ug/l | | 97 |
| 52) Toluene | 8.79 | 92 | 1077686 | 155.009 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 9.04 | 75 | 652610 | 165.023 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.43 | 75 | 710662 | 161.478 | ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 9.21 | 97 | 423340 | 151.064 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.18 | 69 | 669181 | 155.388 | ug/l | | 96 |
| 57) 1,3-Dichloropropane | 9.37 | 76 | 699616 | 151.341 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.32 | 63 | 1968832 | 783.577 | ug/l | | 97 |
| 59) 2-Hexanone | 9.50 | 43 | 2429713 | 765.773 | ug/l | | 97 |
| 60) Dibromochloromethane | 9.59 | 129 | 473913 | 157.411 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.67 | 107 | 456178 | 150.343 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.34 | 164 | 460304 | 147.686 | ug/l | | 98 |
| 65) Chlorobenzene | 10.14 | 112 | 1199597 | 156.353 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.22 | 131 | 440627 | 155.288 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.25 | 91 | 2046723 | 157.433 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.36 | 106 | 1584043 | 316.268 | ug/l | | 99 |
| 69) o-Xylene | 10.70 | 106 | 768304 | 157.878 | ug/l | | 99 |
| 70) Styrene | 10.71 | 104 | 1295319 | 160.812 | ug/l | | 100 |
| 71) Bromoform | 10.86 | 173 | 400149 | 167.150 | ug/l | # | 99 |
| 73) Isopropylbenzene | 11.02 | 105 | 2064606 | 145.963 | ug/l | | 99 |
| 74) N-amyl acetate | 10.90 | 43 | 914198 | 154.486 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.27 | 83 | 661998 | 150.125 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.30 | 75 | 521333m | 139.893 | ug/l | | |
| 77) Bromobenzene | 11.26 | 156 | 557038 | 147.283 | ug/l | | 99 |
| 78) n-propylbenzene | 11.36 | 91 | 2369962 | 149.870 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.42 | 91 | 1380481 | 147.850 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105 | 1753977 | 149.337 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75 | 234549 | 167.049 | ug/l | | 93 |
| 82) 4-Chlorotoluene | 11.51 | 91 | 1635930 | 153.672 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.77 | 119 | 1808187 | 157.077 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.80 | 105 | 1822022 | 150.880 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.94 | 105 | 2148712 | 152.667 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.07 | 119 | 1970593 | 154.392 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 12.02 | 146 | 1043136 | 155.776 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.10 | 146 | 1047330 | 156.889 | ug/l | | 100 |
| 89) n-Butylbenzene | 12.39 | 91 | 1762556 | 165.549 | ug/l | | 100 |
| 90) Hexachloroethane | 12.60 | 117 | 333078 | 162.423 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.39 | 146 | 1016931 | 154.999 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75 | 149824 | 153.863 | ug/l | | 94 |
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180 | 806226 | 170.893 | ug/l | | 100 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 94) Hexachlorobutadiene | 13.78 | 225 | 414160 | 161.057 | ug/l | 99 |
| 95) Naphthalene | 13.83 | 128 | 2213117 | 158.538 | ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180 | 779053 | 165.632 | ug/l | 99 |

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

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