Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102623\
Data File : VY016075.D
Acq On : 26 Oct 2023 11:35
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 27 03:55:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 27 03:53:49 2023
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 10/27/2023
Supervised By :Semsettin Yesilyurt 10/27/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.789 | 168 | 203327 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.691 | 114 | 334418 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.489 | 117 | 295701 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152 | 140199 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.142 | 65 | 8579 | 4.243 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = | 8.480%# | | |
| 35) Dibromofluoromethane | 7.716 | 113 | 8808 | 4.172 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = | 8.340%# | | |
| 50) Toluene-d8 | 10.179 | 98 | 32116 | 4.107 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = | 8.220%# | | |
| 62) 4-Bromofluorobenzene | 12.483 | 95 | 11304 | 4.214 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = | 8.420%# | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.906 | 85 | 7207 | 5.136 | ug/l | 97 |
| 3) Chloromethane | 2.119 | 50 | 8932 | 5.195 | ug/l | 96 |
| 4) Vinyl Chloride | 2.253 | 62 | 9933 | 5.057 | ug/l | 94 |
| 5) Bromomethane | 2.656 | 94 | 7416 | 5.079 | ug/l | 94 |
| 6) Chloroethane | 2.796 | 64 | 6845 | 5.087 | ug/l | 89 |
| 7) Trichlorofluoromethane | 3.125 | 101 | 16176 | 5.146 | ug/l | 100 |
| 8) Diethyl Ether | 3.533 | 74 | 5123 | 4.862 | ug/l | 90 |
| 9) 1,1,2-Trichlorotrifluo... | 3.899 | 101 | 9762 | 5.148 | ug/l | 97 |
| 10) Methyl Iodide | 4.088 | 142 | 11431 | 4.718 | ug/l | 97 |
| 11) Tert butyl alcohol | 4.948 | 59 | 8790 | 9.082 | ug/l # | 95 |
| 12) 1,1-Dichloroethene | 3.875 | 96 | 8533 | 4.911 | ug/l | 85 |
| 13) Acrolein | 3.722 | 56 | 6126 | 24.327 | ug/l | 99 |
| 14) Allyl chloride | 4.478 | 41 | 13013 | 4.791 | ug/l # | 91 |
| 15) Acrylonitrile | 5.167 | 53 | 12000 | 23.216 | ug/l | 95 |
| 16) Acetone | 3.954 | 43 | 13445 | 24.535 | ug/l | 97 |
| 17) Carbon Disulfide | 4.198 | 76 | 24116 | 5.018 | ug/l | 96 |
| 18) Methyl Acetate | 4.478 | 43 | 9020 | 4.655 | ug/l # | 91 |
| 19) Methyl tert-butyl Ether | 5.222 | 73 | 23387 | 4.720 | ug/l | 98 |
| 20) Methylene Chloride | 4.716 | 84 | 18281 | 3.096 | ug/l | 88 |
| 21) trans-1,2-Dichloroethene | 5.216 | 96 | 10187 | 5.058 | ug/l | 95 |
| 22) Diisopropyl ether | 6.118 | 45 | 28176 | 4.744 | ug/l | 96 |
| 23) Vinyl Acetate | 6.064 | 43 | 71730 | 22.543 | ug/l | 95 |
| 24) 1,1-Dichloroethane | 6.015 | 63 | 17486 | 4.887 | ug/l | 94 |
| 25) 2-Butanone | 6.984 | 43 | 18035 | 24.384 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 6.978 | 77 | 17856 | 5.368 | ug/l | 96 |
| 27) cis-1,2-Dichloroethene | 6.978 | 96 | 11894 | 5.029 | ug/l | 94 |
| 28) Bromochloromethane | 7.338 | 49 | 7166 | 4.896 | ug/l # | 90 |
| 29) Tetrahydrofuran | 7.350 | 42 | 9371 | 22.083 | ug/l | 89 |
| 30) Chloroform | 7.502 | 83 | 18620 | 4.926 | ug/l | 94 |
| 31) Cyclohexane | 7.789 | 56 | 18109 | 5.693 | ug/l # | 70 |
| 32) 1,1,1-Trichloroethane | 7.703 | 97 | 17023 | 5.021 | ug/l | 96 |
| 36) 1,1-Dichloropropene | 7.917 | 75 | 14820 | 5.036 | ug/l | 98 |
| 37) Ethyl Acetate | 7.082 | 43 | 7103 | 4.709 | ug/l # | 94 |
| 38) Carbon Tetrachloride | 7.899 | 117 | 15371 | 4.939 | ug/l | 95 |
| 39) Methylcyclohexane | 9.185 | 83 | 17183 | 4.793 | ug/l | 93 |
| 40) Benzene | 8.161 | 78 | 40706 | 4.886 | ug/l | 97 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.307 | 41 | 3247m | 4.113 | ug/l | | |
| 42) 1,2-Dichloroethane | 8.234 | 62 | 11492 | 4.773 | ug/l | | 93 |
| 43) Isopropyl Acetate | 8.270 | 43 | 12642 | 4.483 | ug/l | # | 90 |
| 44) Trichloroethene | 8.941 | 130 | 11321 | 4.866 | ug/l | | 97 |
| 45) 1,2-Dichloropropane | 9.215 | 63 | 10346 | 4.906 | ug/l | | 92 |
| 46) Dibromomethane | 9.307 | 93 | 5732 | 4.636 | ug/l | | 96 |
| 47) Bromodichloromethane | 9.496 | 83 | 14464 | 4.837 | ug/l | | 97 |
| 48) Methyl methacrylate | 9.289 | 41 | 5691 | 4.380 | ug/l | | 91 |
| 49) 1,4-Dioxane | 9.295 | 88 | 1314 | 84.942 | ug/l | # | 64 |
| 51) 4-Methyl-2-Pentanone | 10.069 | 43 | 31881 | 21.423 | ug/l | | 89 |
| 52) Toluene | 10.246 | 92 | 25574 | 4.780 | ug/l | | 95 |
| 53) t-1,3-Dichloropropene | 10.465 | 75 | 14059 | 4.598 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 9.929 | 75 | 15871 | 4.590 | ug/l | # | 87 |
| 55) 1,1,2-Trichloroethane | 10.642 | 97 | 8680 | 4.941 | ug/l | | 94 |
| 56) Ethyl methacrylate | 10.508 | 69 | 9287 | 4.113 | ug/l | # | 87 |
| 57) 1,3-Dichloropropane | 10.788 | 76 | 13751 | 4.683 | ug/l | | 97 |
| 58) 2-Chloroethyl Vinyl ether | 9.782 | 63 | 23603 | 21.000 | ug/l | | 94 |
| 59) 2-Hexanone | 10.831 | 43 | 23264 | 21.222 | ug/l | | 89 |
| 60) Dibromochloromethane | 10.983 | 129 | 10191 | 4.737 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 11.087 | 107 | 7659 | 4.553 | ug/l | | 95 |
| 64) Tetrachloroethene | 10.721 | 164 | 9565 | 4.888 | ug/l | | 93 |
| 65) Chlorobenzene | 11.514 | 112 | 28536 | 4.911 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131 | 10224 | 4.711 | ug/l | | 97 |
| 67) Ethyl Benzene | 11.593 | 91 | 49093 | 4.756 | ug/l | | 96 |
| 68) m/p-Xylenes | 11.703 | 106 | 37371 | 9.356 | ug/l | | 97 |
| 69) o-Xylene | 12.026 | 106 | 17795 | 4.654 | ug/l | | 96 |
| 70) Styrene | 12.044 | 104 | 28861 | 4.528 | ug/l | | 97 |
| 71) Bromoform | 12.209 | 173 | 6067 | 4.590 | ug/l | # | 98 |
| 73) Isopropylbenzene | 12.331 | 105 | 47847 | 4.849 | ug/l | | 100 |
| 74) N-amyl acetate | 12.142 | 43 | 10510 | 4.369 | ug/l | | 93 |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83 | 9630 | 4.775 | ug/l | | 97 |
| 76) 1,2,3-Trichloropropane | 12.635 | 75 | 7046m | 4.889 | ug/l | | |
| 77) Bromobenzene | 12.611 | 156 | 11425 | 4.962 | ug/l | | 99 |
| 78) n-propylbenzene | 12.672 | 91 | 58081 | 4.862 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 12.757 | 91 | 33216 | 4.964 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.812 | 105 | 39419 | 4.812 | ug/l | | 98 |
| 81) trans-1,4-Dichloro-2-b... | 12.379 | 75 | 2900 | 4.403 | ug/l | | 95 |
| 82) 4-Chlorotoluene | 12.855 | 91 | 34135 | 4.919 | ug/l | | 98 |
| 83) tert-Butylbenzene | 13.074 | 119 | 34872 | 4.789 | ug/l | | 95 |
| 84) 1,2,4-Trimethylbenzene | 13.117 | 105 | 38165 | 4.717 | ug/l | | 98 |
| 85) sec-Butylbenzene | 13.251 | 105 | 52791 | 4.868 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.367 | 119 | 43392 | 4.795 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 13.367 | 146 | 23551 | 5.065 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.446 | 146 | 23493 | 5.112 | ug/l | | 95 |
| 89) n-Butylbenzene | 13.696 | 91 | 40122 | 4.753 | ug/l | | 97 |
| 90) Hexachloroethane | 13.958 | 117 | 8641 | 4.904 | ug/l | | 92 |
| 91) 1,2-Dichlorobenzene | 13.739 | 146 | 20077 | 4.877 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75 | 1466 | 4.630 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 15.007 | 180 | 11972 | 4.701 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 15.111 | 225 | 7109 | 4.809 | ug/l | | 100 |
| 95) Naphthalene | 15.233 | 128 | 21306 | 4.289 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.422 | 180 | 10166 | 4.628 | ug/l | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

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

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