Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092221\
Data File : VY006104.D
Acq On : 22 Sep 2021 15:29
Operator : SY/MD
Sample : VY0922SBS01
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0922SBS01

**Manual Integrations APPROVED**
MMDadoda
9/23/2021 11:35:59 AM

Quant Time: Sep 22 18:14:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 15 05:01:47 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.795 | 168 | 136233 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.691 | 114 | 206084 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.490 | 117 | 185145 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152 | 91889 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.143 | 65 | 86925 | 45.935 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 91.860% | | | |
| 35) Dibromofluoromethane | 7.722 | 113 | 64792 | 50.618 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 101.240% | | | |
| 50) Toluene-d8 | 10.179 | 98 | 279447 | 51.223 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 49 - 140 | | Recovery = 102.440% | | | |
| 62) 4-Bromofluorobenzene | 12.483 | 95 | 92346 | 49.856 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 25 - 144 | | Recovery = 99.720% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.906 | 85 | 34546 | 24.005 | ug/l | 96 |
| 3) Chloromethane | 2.119 | 50 | 42827 | 23.931 | ug/l | 99 |
| 4) Vinyl Chloride | 2.253 | 62 | 47339 | 23.428 | ug/l | 97 |
| 5) Bromomethane | 2.644 | 94 | 29794 | 22.728 | ug/l | 98 |
| 6) Chloroethane | 2.796 | 64 | 26709 | 22.042 | ug/l | 95 |
| 7) Trichlorofluoromethane | 3.131 | 101 | 59101 | 22.437 | ug/l | 99 |
| 8) Diethyl Ether | 3.534 | 74 | 17368 | 20.057 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 3.906 | 101 | 30892 | 23.490 | ug/l | 97 |
| 10) Methyl Iodide | 4.101 | 142 | 31000 | 22.267 | ug/l | 94 |
| 11) Tert butyl alcohol | 4.942 | 59 | 59014 | 197.007 | ug/l # | 90 |
| 12) 1,1-Dichloroethene | 3.875 | 96 | 30935 | 22.742 | ug/l | 96 |
| 13) Acrolein | 3.735 | 56 | 10270 | 90.320 | ug/l | 100 |
| 14) Allyl chloride | 4.485 | 41 | 63825 | 21.981 | ug/l | 94 |
| 15) Acrylonitrile | 5.174 | 53 | 58009 | 117.609 | ug/l | 98 |
| 16) Acetone | 3.954 | 43 | 60130 | 115.850 | ug/l | 99 |
| 17) Carbon Disulfide | 4.198 | 76 | 105098 | 23.135 | ug/l | 98 |
| 18) Methyl Acetate | 4.491 | 43 | 29872 | 22.848 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 5.222 | 73 | 84638 | 19.300 | ug/l | 94 |
| 20) Methylene Chloride | 4.722 | 84 | 44850 | 25.410 | ug/l | 94 |
| 21) trans-1,2-Dichloroethene | 5.229 | 96 | 34495 | 22.615 | ug/l | 99 |
| 22) Diisopropyl ether | 6.125 | 45 | 109955 | 19.488 | ug/l | 97 |
| 23) Vinyl Acetate | 6.064 | 43 | 364651 | 102.424 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 6.027 | 63 | 61960 | 21.434 | ug/l | 98 |
| 25) 2-Butanone | 6.990 | 43 | 84118 | 117.586 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 6.990 | 77 | 59727 | 21.810 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 6.990 | 96 | 36941 | 21.708 | ug/l | 99 |
| 28) Bromochloromethane | 7.338 | 49 | 23649 | 18.623 | ug/l | 99 |
| 29) Tetrahydrofuran | 7.350 | 42 | 52963 | 117.797 | ug/l | 97 |
| 30) Chloroform | 7.509 | 83 | 61191 | 21.112 | ug/l | 99 |
| 31) Cyclohexane | 7.783 | 56 | 65799 | 21.706 | ug/l | 94 |
| 32) 1,1,1-Trichloroethane | 7.704 | 97 | 57910 | 21.279 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 7.917 | 75 | 50286 | 22.607 | ug/l | 99 |
| 37) Ethyl Acetate | 7.076 | 43 | 36158 | 23.531 | ug/l | 99 |
| 38) Carbon Tetrachloride | 7.905 | 117 | 53126 | 21.939 | ug/l | 100 |
| 39) Methylcyclohexane | 9.185 | 83 | 61564 | 22.331 | ug/l | 97 |
| 40) Benzene | 8.161 | 78 | 138628 | 21.733 | ug/l | 97 |

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Quant Time: Sep 22 18:14:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 15 05:01:47 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.320 | 41 | 18616m | 20.743 ug/l | | |
| 42) 1,2-Dichloroethane | 8.240 | 62 | 44292 | 19.635 ug/l | | 98 |
| 43) Isopropyl Acetate | 8.277 | 43 | 60000 | 20.963 ug/l | | 99 |
| 44) Trichloroethene | 8.941 | 130 | 36217 | 22.785 ug/l | | 93 |
| 45) 1,2-Dichloropropane | 9.222 | 63 | 32639 | 20.685 ug/l | | 100 |
| 46) Dibromomethane | 9.307 | 93 | 18024 | 21.103 ug/l | | 98 |
| 47) Bromodichloromethane | 9.496 | 83 | 44608 | 20.291 ug/l | | 98 |
| 48) Methyl methacrylate | 9.295 | 41 | 28398 | 21.472 ug/l | | 95 |
| 49) 1,4-Dioxane | 9.301 | 88 | 6473 | 549.172 ug/l | | 93 |
| 51) 4-Methyl-2-Pentanone | 10.075 | 43 | 167383 | 109.697 ug/l | | 98 |
| 52) Toluene | 10.246 | 92 | 85185 | 21.672 ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 10.465 | 75 | 48701 | 20.167 ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 9.929 | 75 | 54550 | 20.945 ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 10.648 | 97 | 24351 | 20.748 ug/l | | 98 |
| 56) Ethyl methacrylate | 10.514 | 69 | 37749 | 20.120 ug/l | | 96 |
| 57) 1,3-Dichloropropane | 10.795 | 76 | 43986 | 20.334 ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 9.783 | 63 | 106177 | 108.101 ug/l | | 100 |
| 59) 2-Hexanone | 10.831 | 43 | 120787 | 114.664 ug/l | | 98 |
| 60) Dibromochloromethane | 10.990 | 129 | 29158 | 20.151 ug/l | | 98 |
| 61) 1,2-Dibromoethane | 11.093 | 107 | 23999 | 21.649 ug/l | | 99 |
| 64) Tetrachloroethene | 10.721 | 164 | 35834 | 23.664 ug/l | | 99 |
| 65) Chlorobenzene | 11.514 | 112 | 86494 | 21.833 ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131 | 30783 | 20.848 ug/l | | 99 |
| 67) Ethyl Benzene | 11.593 | 91 | 164012 | 21.780 ug/l | | 100 |
| 68) m/p-Xylenes | 11.703 | 106 | 123717 | 43.328 ug/l | | 99 |
| 69) o-Xylene | 12.032 | 106 | 58352 | 21.637 ug/l | | 97 |
| 70) Styrene | 12.044 | 104 | 96714 | 20.934 ug/l | | 99 |
| 71) Bromoform | 12.209 | 173 | 19903 | 21.528 ug/l | # | 100 |
| 73) Isopropylbenzene | 12.331 | 105 | 158804 | 22.070 ug/l | | 99 |
| 74) N-amyl acetate | 12.142 | 43 | 49927 | 20.093 ug/l | | 97 |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83 | 30226 | 22.577 ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 12.636 | 75 | 26961m | 27.519 ug/l | | |
| 77) Bromobenzene | 12.611 | 156 | 35251 | 20.996 ug/l | | 99 |
| 78) n-propylbenzene | 12.672 | 91 | 193094 | 21.689 ug/l | | 99 |
| 79) 2-Chlorotoluene | 12.758 | 91 | 106729 | 22.049 ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.813 | 105 | 130604 | 21.885 ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75 | 12604 | 23.652 ug/l | | 95 |
| 82) 4-Chlorotoluene | 12.855 | 91 | 111159 | 22.217 ug/l | | 99 |
| 83) tert-Butylbenzene | 13.075 | 119 | 113488 | 22.235 ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 13.123 | 105 | 129571 | 21.885 ug/l | | 100 |
| 85) sec-Butylbenzene | 13.251 | 105 | 173010 | 22.644 ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.367 | 119 | 143111 | 21.940 ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 13.367 | 146 | 70462 | 21.761 ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 13.447 | 146 | 69806 | 21.493 ug/l | | 99 |
| 89) n-Butylbenzene | 13.696 | 91 | 138179 | 22.653 ug/l | | 100 |
| 90) Hexachloroethane | 13.959 | 117 | 25819 | 21.995 ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 13.739 | 146 | 62687 | 22.054 ug/l | | 97 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75 | 6648 | 25.030 ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 15.007 | 180 | 39863 | 21.595 ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.111 | 225 | 26836 | 22.470 ug/l | | 96 |
| 95) Naphthalene | 15.239 | 128 | 83798 | 22.825 ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.422 | 180 | 34591 | 21.625 ug/l | | 99 |

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Quant Title : SW846 8260
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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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