Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052221\
Data File : VW019059.D
Acq On : 21 May 2021 19:20
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**
MMDadoda
5/24/2021 3:48:25 PM

Quant Time: May 22 03:37:54 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W051921S.M
Quant Title : SW846 8260
QLast Update : Thu May 20 03:59:48 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.945 | 168 | 352257 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.841 | 114 | 605703 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.634 | 117 | 550928 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.554 | 152 | 281647 | 50.00 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.305 | 65 | 220968 | 56.07 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 112.14% | | | |
| 35) Dibromofluoromethane | 7.884 | 113 | 198077 | 52.39 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 104.78% | | | |
| 50) Toluene-d8 | 10.323 | 98 | 788420 | 52.57 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 105.14% | | | |
| 62) 4-Bromofluorobenzene | 12.615 | 95 | 285901 | 51.98 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 103.96% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.013 | 85 | 117605 | 49.59 | ug/l | 97 |
| 3) Chloromethane | 2.215 | 50 | 133309 | 50.66 | ug/l | 100 |
| 4) Vinyl Chloride | 2.367 | 62 | 203003 | 52.50 | ug/l | 97 |
| 5) Bromomethane | 2.782 | 94 | 162823 | 50.26 | ug/l | 98 |
| 6) Chloroethane | 2.922 | 64 | 134231 | 50.55 | ug/l | 98 |
| 7) Trichlorofluoromethane | 3.257 | 101 | 99132 | 46.62 | ug/l | 97 |
| 8) Diethyl Ether | 3.684 | 74 | 98402 | 53.21 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 4.068 | 101 | 176730 | 51.38 | ug/l | 99 |
| 10) Methyl Iodide | 4.275 | 142 | 261164 | 51.74 | ug/l | 99 |
| 11) Tert butyl alcohol | 5.177 | 59 | 56646 | 295.13 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 4.044 | 96 | 184364 | 52.55 | ug/l | 93 |
| 13) Acrolein | 3.891 | 56 | 61206 | 257.95 | ug/l | 98 |
| 14) Allyl chloride | 4.665 | 41 | 233968 | 51.26 | ug/l | 99 |
| 15) Acrylonitrile | 5.366 | 53 | 191014 | 275.36 | ug/l | 100 |
| 16) Acetone | 4.129 | 43 | 146540 | 259.42 | ug/l | 98 |
| 17) Carbon Disulfide | 4.391 | 76 | 493145 | 51.44 | ug/l | 99 |
| 18) Methyl Acetate | 4.671 | 43 | 94356 | 56.75 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 5.434 | 73 | 239772 | 54.43 | ug/l | 100 |
| 20) Methylene Chloride | 4.921 | 84 | 234303 | 57.85 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 5.421 | 96 | 212893 | 53.12 | ug/l | 96 |
| 22) Diisopropyl ether | 6.311 | 45 | 498583 | 53.70 | ug/l | 99 |
| 23) Vinyl Acetate | 6.257 | 43 | 1740561 | 278.59 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 6.214 | 63 | 383677 | 53.36 | ug/l | 98 |
| 25) 2-Butanone | 7.171 | 43 | 258797 | 278.91 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 7.165 | 77 | 193890 | 50.04 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 7.171 | 96 | 239521 | 53.85 | ug/l | 99 |
| 28) Bromochloromethane | 7.512 | 49 | 171405 | 58.59 | ug/l | 98 |
| 29) Tetrahydrofuran | 7.531 | 42 | 153824 | 283.47 | ug/l | 99 |
| 30) Chloroform | 7.677 | 83 | 388780 | 53.18 | ug/l | 99 |
| 31) Cyclohexane | 7.957 | 56 | 292459 | 48.64 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 7.872 | 97 | 285774 | 52.65 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 8.085 | 75 | 306129 | 50.75 | ug/l | 100 |
| 37) Ethyl Acetate | 7.250 | 43 | 128557 | 55.09 | ug/l | 98 |
| 38) Carbon Tetrachloride | 8.067 | 117 | 269472 | 50.70 | ug/l | 97 |
| 39) Methylcyclohexane | 9.335 | 83 | 334211 | 50.08 | ug/l | 98 |
| 40) Benzene | 8.323 | 78 | 862649 | 51.16 | ug/l | 100 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.482 | 41 | 66324 | 52.05 | ug/l | | 100 |
| 42) 1,2-Dichloroethane | 8.403 | 62 | 262944 | 52.61 | ug/l | | 100 |
| 43) Isopropyl Acetate | 8.421 | 43 | 240842 | 55.34 | ug/l | | 98 |
| 44) Trichloroethene | 9.091 | 130 | 226249 | 52.04 | ug/l | | 97 |
| 45) 1,2-Dichloropropane | 9.366 | 63 | 212865 | 52.19 | ug/l | | 100 |
| 46) Dibromomethane | 9.457 | 93 | 114867 | 51.87 | ug/l | | 97 |
| 47) Bromodichloromethane | 9.646 | 83 | 291612 | 52.98 | ug/l | | 97 |
| 48) Methyl methacrylate | 9.433 | 41 | 111302 | 55.70 | ug/l | | 98 |
| 49) 1,4-Dioxane | 9.457 | 88 | 29357 | 1163.03 | ug/l | | 96 |
| 51) 4-Methyl-2-Pentanone | 10.207 | 43 | 622932 | 276.27 | ug/l | | 100 |
| 52) Toluene | 10.390 | 92 | 557979 | 52.20 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.609 | 75 | 291121 | 53.77 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 10.073 | 75 | 338696 | 52.52 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 10.786 | 97 | 159264 | 52.04 | ug/l | | 97 |
| 56) Ethyl methacrylate | 10.646 | 69 | 211776 | 55.10 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 10.933 | 76 | 287210 | 52.46 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.921 | 63 | 558579 | 280.97 | ug/l | | 99 |
| 59) 2-Hexanone | 10.969 | 43 | 422516 | 281.93 | ug/l | | 99 |
| 60) Dibromochloromethane | 11.128 | 129 | 183168 | 53.48 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.237 | 107 | 153387 | 52.10 | ug/l | | 97 |
| 64) Tetrachloroethene | 10.859 | 164 | 179550 | 50.17 | ug/l | | 94 |
| 65) Chlorobenzene | 11.658 | 112 | 574100 | 51.22 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 11.731 | 131 | 205365 | 53.69 | ug/l | | 99 |
| 67) Ethyl Benzene | 11.731 | 91 | 1082479 | 52.21 | ug/l | | 100 |
| 68) m/p-Xylenes | 11.841 | 106 | 817029 | 104.89 | ug/l | | 99 |
| 69) o-Xylene | 12.164 | 106 | 384764 | 52.98 | ug/l | | 100 |
| 70) Styrene | 12.182 | 104 | 665140 | 53.96 | ug/l | | 99 |
| 71) Bromoform | 12.347 | 173 | 99322 | 51.73 | ug/l | # | 100 |
| 73) Isopropylbenzene | 12.463 | 105 | 1069557 | 51.81 | ug/l | | 99 |
| 74) N-amyl acetate | 12.274 | 43 | 233495 | 54.83 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 12.713 | 83 | 194330 | 52.61 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 12.768 | 75 | 125138m | 47.06 | ug/l | | |
| 77) Bromobenzene | 12.749 | 156 | 227638 | 50.02 | ug/l | | 94 |
| 78) n-propylbenzene | 12.804 | 91 | 1290089 | 51.11 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.890 | 91 | 732260 | 50.92 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.944 | 105 | 904108 | 51.59 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.512 | 75 | 57656 | 52.84 | ug/l | | 100 |
| 82) 4-Chlorotoluene | 12.987 | 91 | 770530 | 50.48 | ug/l | | 99 |
| 83) tert-Butylbenzene | 13.200 | 119 | 764990 | 51.79 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.249 | 105 | 909936 | 52.31 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.383 | 105 | 1124915 | 51.36 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.499 | 119 | 993873 | 52.38 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.499 | 146 | 474436 | 51.05 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 13.578 | 146 | 466732 | 50.94 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.822 | 91 | 953564 | 51.11 | ug/l | | 98 |
| 90) Hexachloroethane | 14.091 | 117 | 154100 | 51.81 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 13.871 | 146 | 413869 | 50.35 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.481 | 75 | 31326 | 53.12 | ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 15.127 | 180 | 279560 | 50.78 | ug/l | | 97 |
| 94) Hexachlorobutadiene | 15.231 | 225 | 159662 | 50.22 | ug/l | | 96 |
| 95) Naphthalene | 15.365 | 128 | 547020 | 54.55 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.554 | 180 | 243969 | 51.19 | ug/l | | 99 |

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|---|---|---|---|---|---|---|

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

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