Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082324\
Data File : VY019269.D
Acq On : 23 Aug 2024 19:55
Operator : SY/MD
Sample : P3707-03MSD
Misc : 4.60g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
S-929-K1-SO-0-0.5-082024MSD

**Manual Integrations APPROVED**

Reviewed By :Romaben Patel 08/26/2024
Supervised By :Semsettin Yesilyurt 08/26/2024

Quant Time: Aug 23 23:04:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 05:10:30 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.701 | 168 | 49868 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.603 | 114 | 63249 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 26680 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152 | 5030 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.055 | 65 | 25052 | 50.115 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 100.240% | | | |
| 35) Dibromofluoromethane | 7.622 | 113 | 22022 | 53.250 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 106.500% | | | |
| 50) Toluene-d8 | 10.103 | 98 | 65328 | 43.896 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 87.800% | | | |
| 62) 4-Bromofluorobenzene | 12.401 | 95 | 7307 | 14.402 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 29 - 146 | | Recovery = 28.800%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.861 | 85 | 29898 | 81.717 | ug/l | 100 |
| 3) Chloromethane | 2.062 | 50 | 25856 | 39.207 | ug/l | 99 |
| 4) Vinyl Chloride | 2.196 | 62 | 59920 | 73.558 | ug/l | 99 |
| 5) Bromomethane | 2.598 | 94 | 7232 | 9.785 | ug/l | 86 |
| 6) Chloroethane | 2.732 | 64 | 40228 | 83.265 | ug/l | 100 |
| 7) Trichlorofluoromethane | 3.043 | 101 | 79124 | 64.246 | ug/l | 99 |
| 8) Diethyl Ether | 3.446 | 74 | 15711 | 59.101 | ug/l | 95 |
| 9) 1,1,2-Trichlorotrifluo... | 3.799 | 101 | 32695 | 59.715 | ug/l | 96 |
| 10) Methyl Iodide | 3.988 | 142 | 1474 | 2.747 | ug/l # | 69 |
| 11) Tert butyl alcohol | 4.836 | 59 | 7795 | 169.683 | ug/l # | 82 |
| 12) 1,1-Dichloroethene | 3.775 | 96 | 34333 | 69.020 | ug/l | 95 |
| 14) Allyl chloride | 4.372 | 41 | 8737 | 13.211 | ug/l | 93 |
| 15) Acrylonitrile | 5.037 | 53 | 6123 | 56.292 | ug/l # | 83 |
| 16) Acetone | 3.854 | 43 | 15090 | 162.773 | ug/l | 91 |
| 17) Carbon Disulfide | 4.092 | 76 | 29752 | 21.205 | ug/l | 100 |
| 18) Methyl Acetate | 4.372 | 43 | 4936 | 17.348 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 5.104 | 73 | 69646 | 57.750 | ug/l | 98 |
| 20) Methylene Chloride | 4.604 | 84 | 42748 | 80.483 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 5.098 | 96 | 26447 | 47.589 | ug/l | 95 |
| 22) Diisopropyl ether | 6.012 | 45 | 93552 | 61.791 | ug/l | 95 |
| 24) 1,1-Dichloroethane | 5.896 | 63 | 61288 | 66.193 | ug/l | 98 |
| 25) 2-Butanone | 6.878 | 43 | 16699 | 111.849 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 6.872 | 77 | 35492 | 47.337 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 6.872 | 96 | 33327 | 50.958 | ug/l | 98 |
| 28) Bromochloromethane | 7.232 | 49 | 22573 | 58.119 | ug/l | 97 |
| 29) Tetrahydrofuran | 7.250 | 42 | 21562 | 224.665 | ug/l | 94 |
| 30) Chloroform | 7.408 | 83 | 65352 | 63.343 | ug/l | 100 |
| 31) Cyclohexane | 7.689 | 56 | 34830 | 48.589 | ug/l | 94 |
| 32) 1,1,1-Trichloroethane | 7.604 | 97 | 54587 | 60.205 | ug/l | 97 |
| 36) 1,1-Dichloropropene | 7.829 | 75 | 33955 | 59.791 | ug/l | 99 |
| 38) Carbon Tetrachloride | 7.805 | 117 | 26359 | 40.052 | ug/l | 99 |
| 39) Methylcyclohexane | 9.097 | 83 | 26534 | 36.410 | ug/l | 94 |
| 40) Benzene | 8.073 | 78 | 114434 | 65.703 | ug/l | 98 |
| 42) 1,2-Dichloroethane | 8.146 | 62 | 29531 | 62.788 | ug/l | 99 |
| 44) Trichloroethene | 8.859 | 130 | 28226 | 58.080 | ug/l | 92 |
| 45) 1,2-Dichloropropane | 9.134 | 63 | 25442 | 65.563 | ug/l | 96 |

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Misc : 4.60g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
S-929-K1-SO-0-0.5-082024MSD

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Quant Time: Aug 23 23:04:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 05:10:30 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) Dibromomethane | 9.225 | 93 | 16750 | 66.550 | ug/l | | 99 |
| 47) Bromodichloromethane | 9.420 | 83 | 12126 | 19.637 | ug/l | | 89 |
| 49) 1,4-Dioxane | 9.213 | 88 | 3661 | 1200.769 | ug/l | # | 98 |
| 51) 4-Methyl-2-Pentanone | 9.993 | 43 | 42211 | 156.296 | ug/l | | 92 |
| 52) Toluene | 10.170 | 92 | 49384 | 43.195 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 10.390 | 75 | 2105 | 4.109 | ug/l | | 90 |
| 54) cis-1,3-Dichloropropene | 9.853 | 75 | 2273 | 3.690 | ug/l | # | 89 |
| 55) 1,1,2-Trichloroethane | 10.566 | 97 | 18631 | 57.501 | ug/l | | 96 |
| 57) 1,3-Dichloropropane | 10.713 | 76 | 25155 | 47.625 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.707 | 63 | 6698 | 33.292 | ug/l | | 97 |
| 59) 2-Hexanone | 10.761 | 43 | 1579 | 8.510 | ug/l | | 81 |
| 60) Dibromochloromethane | 10.908 | 129 | 5015 | 11.364 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 11.011 | 107 | 5562 | 17.761 | ug/l | | 99 |
| 64) Tetrachloroethene | 10.646 | 164 | 21806 | 93.506 | ug/l | | 98 |
| 65) Chlorobenzene | 11.444 | 112 | 30704 | 49.979 | ug/l | | 94 |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131 | 11572 | 53.563 | ug/l | | 97 |
| 67) Ethyl Benzene | 11.517 | 91 | 61996 | 58.142 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.627 | 106 | 42876 | 101.339 | ug/l | | 99 |
| 69) o-Xylene | 11.950 | 106 | 20512 | 52.353 | ug/l | | 97 |
| 70) Styrene | 11.962 | 104 | 8437 | 12.628 | ug/l | # | 66 |
| 71) Bromoform | 12.127 | 173 | 1436 | 11.628 | ug/l | # | 95 |
| 73) Isopropylbenzene | 12.255 | 105 | 46828 | 121.466 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83 | 11425 | 166.460 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 12.554 | 75 | 7688m | 154.985 | ug/l | | |
| 77) Bromobenzene | 12.529 | 156 | 7542 | 81.458 | ug/l | | 95 |
| 78) n-propylbenzene | 12.597 | 91 | 38932 | 84.475 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 12.682 | 91 | 20610 | 79.765 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.737 | 105 | 23644 | 75.283 | ug/l | | 97 |
| 82) 4-Chlorotoluene | 12.779 | 91 | 17528 | 65.204 | ug/l | | 95 |
| 83) tert-Butylbenzene | 12.999 | 119 | 24264 | 83.658 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 13.042 | 105 | 21401 | 68.370 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.176 | 105 | 27552 | 65.187 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 13.291 | 119 | 16800 | 48.391 | ug/l | | 95 |
| 87) 1,3-Dichlorobenzene | 13.285 | 146 | 8432 | 46.179 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 13.365 | 146 | 7656 | 42.181 | ug/l | | 97 |
| 89) n-Butylbenzene | 13.621 | 91 | 8013 | 25.316 | ug/l | | 93 |
| 90) Hexachloroethane | 13.883 | 117 | 1064 | 15.549 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 13.657 | 146 | 7255 | 45.177 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75 | 767 | 75.964 | ug/l | | 92 |
| 93) 1,2,4-Trichlorobenzene | 14.919 | 180 | 1283 | 14.167 | ug/l | | 89 |
| 94) Hexachlorobutadiene | 15.017 | 225 | 1278 | 27.092 | ug/l | | 83 |
| 95) Naphthalene | 15.151 | 128 | 1873 | 11.588 | ug/l | # | 94 |
| 96) 1,2,3-Trichlorobenzene | 15.334 | 180 | 873 | 11.429 | ug/l | | 84 |

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

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Quant Title : SW846 8260
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MSVOA_Y
**ClientSampleId :**
S-929-K1-SO-0-0.5-082024MSD

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