Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040324\
Data File : VW028292.D
Acq On : 03 Apr 2024 14:46
Operator : SY/MD
Sample : P1965-05MS
Misc : 4.70g/10mL/MSVOA_W/SOIL/A
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E07D6MS

Quant Time: Apr 04 03:03:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM031424SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Apr 04 03:01:50 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 8.843 | 114 | 272757 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.629 | 117 | 238714 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 99739 | 25.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 2.369 | 65 | 60510 | 18.960 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 75.840% | | | |
| 7) Chloroethane-d5 | 2.905 | 69 | 52529 | 23.559 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 94.240% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.027 | 65 | 38513 | 19.030 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 76.120% | | | |
| 21) 2-Butanone-d5 | 7.075 | 46 | 59284 | 62.983 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 125.960% | | | |
| 24) Chloroform-d | 7.654 | 84 | 204771 | 25.460 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 101.840% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.307 | 65 | 109717 | 24.754 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 99.000% | | | |
| 32) Benzene-d6 | 8.276 | 84 | 373340 | 25.616 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 102.480% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.276 | 67 | 118782 | 28.321 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 113.280% | | | |
| 41) Toluene-d8 | 10.325 | 98 | 318713 | 23.708 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 94.840% | | | |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79 | 47016 | 24.681 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 98.720% | | | |
| 47) 2-Hexanone-d5 | 10.922 | 63 | 47714 | 68.824 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 137.640%# | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84 | 92684 | 29.915 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 119.680% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.848 | 152 | 90227 | 24.833 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 99.320% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.021 | 85 | 77629 | 19.619 | ug/L # | 87 |
| 3) Chloromethane | 2.229 | 50 | 69148 | 24.640 | ug/L | 99 |
| 5) Vinyl chloride | 2.375 | 62 | 85551 | 26.969 | ug/L | 96 |
| 6) Bromomethane | 2.796 | 94 | 48935 | 25.902 | ug/L | 95 |
| 8) Chloroethane | 2.942 | 64 | 48998 | 28.737 | ug/L | 96 |
| 9) Trichlorofluoromethane | 3.271 | 101 | 100348 | 26.164 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082 | 101 | 90049 | 23.634 | ug/L | 96 |
| 12) 1,1-Dichloroethene | 4.045 | 96 | 92031 | 26.129 | ug/L | 91 |
| 13) Acetone | 4.131 | 43 | 54971 | 52.598 | ug/L | 98 |
| 14) Carbon disulfide | 4.393 | 76 | 253571 | 23.082 | ug/L | 98 |
| 15) Methyl Acetate | 4.673 | 43 | 40320 | 25.046 | ug/L | 99 |
| 16) Methylene chloride | 4.923 | 84 | 101961 | 24.561 | ug/L | 97 |
| 17) trans-1,2-Dichloroethene | 5.435 | 96 | 97668 | 26.093 | ug/L | 96 |
| 18) Methyl tert-butyl Ether | 5.429 | 73 | 160771 | 28.468 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 6.222 | 63 | 202567 | 27.954 | ug/L | 98 |
| 20) cis-1,2-Dichloroethene | 7.173 | 96 | 110550 | 27.346 | ug/L | 99 |
| 22) 2-Butanone | 7.173 | 43 | 67455 | 56.848 | ug/L | 100 |
| 23) Bromochloromethane | 7.520 | 128 | 48067 | 26.895 | ug/L | 91 |
| 25) Chloroform | 7.679 | 83 | 201639 | 27.029 | ug/L | 100 |

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MSVOA_W
**ClientSampleId :**
E07D6MS

Quant Time: Apr 04 03:03:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM031424SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Apr 04 03:01:50 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.398 | 62 | 133053 | 25.255 | ug/L | # | 95 |
| 29) Cyclohexane | 7.959 | 56 | 142104 | 22.823 | ug/L | | 99 |
| 30) 1,1,1-Trichloroethane | 7.874 | 97 | 166250 | 26.568 | ug/L | | 99 |
| 31) Carbon tetrachloride | 8.069 | 117 | 145392 | 24.771 | ug/L | | 100 |
| 33) Benzene | 8.325 | 78 | 416281 | 28.339 | ug/L | | 100 |
| 34) Trichloroethene | 9.093 | 95 | 109026 | 26.603 | ug/L | | 97 |
| 35) Methylcyclohexane | 9.337 | 83 | 118128 | 17.053 | ug/L | | 98 |
| 37) 1,2-Dichloropropane | 9.368 | 63 | 110351 | 29.370 | ug/L | | 100 |
| 38) Bromodichloromethane | 9.642 | 83 | 141392 | 27.912 | ug/L | | 96 |
| 39) cis-1,3-Dichloropropene | 10.075 | 75 | 170025 | 28.257 | ug/L | | 96 |
| 40) 4-Methyl-2-pentanone | 10.209 | 43 | 128519 | 61.969 | ug/L | | 99 |
| 42) Toluene | 10.386 | 91 | 431780 | 26.933 | ug/L | | 99 |
| 44) trans-1,3-Dichloropropene | 10.605 | 75 | 138646 | 27.292 | ug/L | | 96 |
| 45) 1,1,2-Trichloroethane | 10.782 | 97 | 78865 | 29.052 | ug/L | | 99 |
| 46) Tetrachloroethene | 10.861 | 164 | 74569 | 22.573 | ug/L | | 92 |
| 48) 2-Hexanone | 10.965 | 43 | 100951 | 62.139 | ug/L | | 97 |
| 49) Dibromochloromethane | 11.123 | 129 | 88340 | 27.478 | ug/L | | 98 |
| 50) 1,2-Dibromoethane | 11.233 | 107 | 71677 | 27.614 | ug/L | # | 99 |
| 51) Chlorobenzene | 11.654 | 112 | 258182 | 25.372 | ug/L | | 97 |
| 52) Ethylbenzene | 11.727 | 91 | 453805 | 24.248 | ug/L | | 95 |
| 53) m,p-Xylene | 11.837 | 106 | 169692 | 24.095 | ug/L | | 97 |
| 54) o-Xylene | 12.166 | 106 | 162969 | 24.954 | ug/L | | 98 |
| 55) Styrene | 12.178 | 104 | 285221 | 25.425 | ug/L | | 98 |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83 | 86392 | 27.823 | ug/L | | 97 |
| 59) Bromoform | 12.349 | 173 | 49318 | 32.999 | ug/L | | 99 |
| 60) Isopropylbenzene | 12.458 | 105 | 410978 | 27.733 | ug/L | | 98 |
| 61) 1,2,3-Trichloropropane | 12.763 | 75 | 63848 | 33.542 | ug/L | | 99 |
| 62) 1,3,5-Trimethylbenzene | 12.940 | 105 | 246437 | 24.785 | ug/L | | 98 |
| 63) 1,2,4-Trimethylbenzene | 13.245 | 105 | 304227 | 25.339 | ug/L | | 100 |
| 64) 1,3-Dichlorobenzene | 13.495 | 146 | 166925 | 25.249 | ug/L | | 97 |
| 65) 1,4-Dichlorobenzene | 13.574 | 146 | 166344 | 25.162 | ug/L | | 97 |
| 67) 1,2-Dichlorobenzene | 13.867 | 146 | 151703 | 26.646 | ug/L | | 96 |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75 | 13478 | 30.142 | ug/L | | 96 |
| 69) 1,3,5-Trichlorobenzene | 14.623 | 180 | 71615 | 15.551 | ug/L | | 98 |
| 70) 1,2,4-trichlorobenzene | 15.129 | 180 | 56695 | 14.492 | ug/L | | 95 |
| 71) Naphthalene | 15.360 | 128 | 144563 | 21.529 | ug/L | | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.549 | 180 | 46107 | 14.296 | ug/L | | 98 |

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

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