Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040424\
Data File : VW028309.D
Acq On : 04 Apr 2024 13:05
Operator : SY/MD
Sample : P1988-05MS
Misc : 5.40g/10mL/MSVOA_W/SOIL/A
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E07T0MS

Quant Time: Apr 05 01:01:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM031424SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Apr 05 00:59:55 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 8.843 | 114 | 358007 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.629 | 117 | 316043 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 154022 | 25.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 2.369 | 65 | 76323 | 18.221 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 72.880% | | | |
| 7) Chloroethane-d5 | 2.905 | 69 | 59240 | 20.242 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 80.960% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.027 | 65 | 47893 | 18.030 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 72.120% | | | |
| 21) 2-Butanone-d5 | 7.075 | 46 | 51166 | 41.415 | ug/L | -0.01 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 82.820% | | | |
| 24) Chloroform-d | 7.654 | 84 | 224557 | 21.271 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 85.080% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.307 | 65 | 108033 | 18.570 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 74.280% | | | |
| 32) Benzene-d6 | 8.276 | 84 | 423952 | 21.971 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 87.880% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.276 | 67 | 128745 | 23.185 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 92.760% | | | |
| 41) Toluene-d8 | 10.325 | 98 | 377266 | 21.197 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 84.800% | | | |
| 43) trans-1,3-Dichloroprop... | 10.581 | 79 | 50114 | 19.871 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 79.480% | | | |
| 47) 2-Hexanone-d5 | 10.922 | 63 | 41085 | 44.762 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 89.520% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84 | 89272 | 21.764 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 87.040% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.849 | 152 | 120327 | 21.446 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 85.800% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.021 | 85 | 80610 | 15.522 | ug/L | 93 |
| 3) Chloromethane | 2.229 | 50 | 74297 | 20.170 | ug/L | 97 |
| 5) Vinyl chloride | 2.375 | 62 | 90300 | 21.687 | ug/L | 99 |
| 6) Bromomethane | 2.796 | 94 | 53348 | 21.514 | ug/L | 93 |
| 8) Chloroethane | 2.942 | 64 | 52248 | 23.346 | ug/L | 96 |
| 9) Trichlorofluoromethane | 3.277 | 101 | 117311 | 23.303 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082 | 101 | 108860 | 21.768 | ug/L | 96 |
| 12) 1,1-Dichloroethene | 4.051 | 96 | 99180 | 21.454 | ug/L | 87 |
| 13) Acetone | 4.125 | 43 | 55047 | 40.129 | ug/L | 95 |
| 14) Carbon disulfide | 4.393 | 76 | 274684 | 19.050 | ug/L | 100 |
| 15) Methyl Acetate | 4.679 | 43 | 38988 | 18.452 | ug/L | 99 |
| 16) Methylene chloride | 4.923 | 84 | 106219 | 19.494 | ug/L | 99 |
| 17) trans-1,2-Dichloroethene | 5.435 | 96 | 103526 | 21.072 | ug/L | 93 |
| 18) Methyl tert-butyl Ether | 5.435 | 73 | 155653 | 20.999 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 6.228 | 63 | 211317 | 22.217 | ug/L | 99 |
| 20) cis-1,2-Dichloroethene | 7.179 | 96 | 117748 | 22.191 | ug/L | 98 |
| 22) 2-Butanone | 7.167 | 43 | 60501 | 38.846 | ug/L | 99 |
| 23) Bromochloromethane | 7.520 | 128 | 48422 | 20.642 | ug/L | 92 |
| 25) Chloroform | 7.679 | 83 | 211918 | 21.642 | ug/L | 97 |

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ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E07T0MS

Quant Time: Apr 05 01:01:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM031424SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Apr 05 00:59:55 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.404 | 62 | 128065 | 18.520 | ug/L | 97 |
| 29) Cyclohexane | 7.959 | 56 | 182045 | 22.084 | ug/L | 99 |
| 30) 1,1,1-Trichloroethane | 7.874 | 97 | 183709 | 22.175 | ug/L | 99 |
| 31) Carbon tetrachloride | 8.069 | 117 | 164956 | 21.227 | ug/L | 98 |
| 33) Benzene | 8.325 | 78 | 447110 | 22.990 | ug/L | 100 |
| 34) Trichloroethene | 9.093 | 95 | 119587 | 22.040 | ug/L | 99 |
| 35) Methylcyclohexane | 9.337 | 83 | 186670 | 20.354 | ug/L | 100 |
| 37) 1,2-Dichloropropane | 9.368 | 63 | 115923 | 23.304 | ug/L | 99 |
| 38) Bromodichloromethane | 9.648 | 83 | 147745 | 22.030 | ug/L | 98 |
| 39) cis-1,3-Dichloropropene | 10.075 | 75 | 177821 | 22.322 | ug/L | 97 |
| 40) 4-Methyl-2-pentanone | 10.209 | 43 | 114618 | 41.744 | ug/L | 99 |
| 42) Toluene | 10.386 | 91 | 483057 | 22.759 | ug/L | 98 |
| 44) trans-1,3-Dichloropropene | 10.605 | 75 | 143148 | 21.283 | ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 10.788 | 97 | 76487 | 21.282 | ug/L | 96 |
| 46) Tetrachloroethene | 10.861 | 164 | 92411 | 21.129 | ug/L | 94 |
| 48) 2-Hexanone | 10.965 | 43 | 91403 | 42.496 | ug/L | 97 |
| 49) Dibromochloromethane | 11.129 | 129 | 89761 | 21.088 | ug/L | 98 |
| 50) 1,2-Dibromoethane | 11.233 | 107 | 69744 | 20.295 | ug/L | 96 |
| 51) Chlorobenzene | 11.654 | 112 | 299658 | 22.243 | ug/L | 98 |
| 52) Ethylbenzene | 11.727 | 91 | 555827 | 22.433 | ug/L | 99 |
| 53) m,p-Xylene | 11.837 | 106 | 205897 | 22.082 | ug/L | 95 |
| 54) o-Xylene | 12.166 | 106 | 199351 | 23.056 | ug/L | 99 |
| 55) Styrene | 12.178 | 104 | 332754 | 22.405 | ug/L | 100 |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83 | 85769 | 20.864 | ug/L | 96 |
| 59) Bromoform | 12.349 | 173 | 51062 | 22.124 | ug/L | 97 |
| 60) Isopropylbenzene | 12.459 | 105 | 552125 | 24.127 | ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 12.763 | 75 | 61509 | 20.925 | ug/L | 100 |
| 62) 1,3,5-Trimethylbenzene | 12.940 | 105 | 363643 | 23.683 | ug/L | 99 |
| 63) 1,2,4-Trimethylbenzene | 13.245 | 105 | 434279 | 23.423 | ug/L | 99 |
| 64) 1,3-Dichlorobenzene | 13.495 | 146 | 226730 | 22.208 | ug/L | 98 |
| 65) 1,4-Dichlorobenzene | 13.574 | 146 | 227870 | 22.321 | ug/L | 97 |
| 67) 1,2-Dichlorobenzene | 13.867 | 146 | 197586 | 22.474 | ug/L | 95 |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75 | 13372 | 19.365 | ug/L | 97 |
| 69) 1,3,5-Trichlorobenzene | 14.623 | 180 | 138181 | 19.431 | ug/L | 98 |
| 70) 1,2,4-trichlorobenzene | 15.123 | 180 | 107297 | 17.760 | ug/L | 97 |
| 71) Naphthalene | 15.360 | 128 | 200086 | 19.296 | ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.549 | 180 | 89558 | 17.982 | ug/L | 98 |

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

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