Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062024\
Data File : VW029290.D
Acq On : 21 Jun 2024 04:55
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 50 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025514

Quant Time: Jun 21 05:40:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM061824SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Jun 21 02:43:08 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 8.843 | 114 | 264155 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.629 | 117 | 254254 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.550 | 152 | 124690 | 25.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 2.369 | 65 | 68738 | 18.800 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 75.200% | | | |
| 7) Chloroethane-d5 | 2.899 | 69 | 60186 | 19.493 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 77.960% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.021 | 65 | 34901 | 19.770 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 79.080% | | | |
| 21) 2-Butanone-d5 | 7.075 | 46 | 52618 | 48.102 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 96.200% | | | |
| 24) Chloroform-d | 7.648 | 84 | 173960 | 22.077 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 88.320% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.307 | 65 | 102027 | 22.551 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 90.200% | | | |
| 32) Benzene-d6 | 8.270 | 84 | 337345 | 21.844 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 87.360% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.270 | 67 | 109360 | 22.277 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 89.120% | | | |
| 41) Toluene-d8 | 10.319 | 98 | 305605 | 22.367 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 89.480% | | | |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79 | 40846 | 20.647 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 82.600% | | | |
| 47) 2-Hexanone-d5 | 10.922 | 63 | 35894 | 46.642 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 93.280% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84 | 87539 | 22.405 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 89.600% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.848 | 152 | 102394 | 23.658 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 94.640% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.015 | 85 | 41793 | 16.217 | ug/L | 99 |
| 3) Chloromethane | 2.222 | 50 | 67777 | 18.444 | ug/L | 98 |
| 5) Vinyl chloride | 2.375 | 62 | 77657 | 18.402 | ug/L | 98 |
| 6) Bromomethane | 2.789 | 94 | 47614 | 18.773 | ug/L | 92 |
| 8) Chloroethane | 2.930 | 64 | 50515 | 19.571 | ug/L | 96 |
| 9) Trichlorofluoromethane | 3.271 | 101 | 61192 | 18.704 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076 | 101 | 67392 | 18.683 | ug/L | 97 |
| 12) 1,1-Dichloroethene | 4.045 | 96 | 63346 | 20.696 | ug/L | 94 |
| 13) Acetone | 4.125 | 43 | 33041 | 35.543 | ug/L | 98 |
| 14) Carbon disulfide | 4.393 | 76 | 190305 | 19.046 | ug/L | 99 |
| 15) Methyl Acetate | 4.673 | 43 | 45033 | 24.402 | ug/L | 99 |
| 16) Methylene chloride | 4.917 | 84 | 91836 | 19.772 | ug/L | 96 |
| 17) trans-1,2-Dichloroethene | 5.429 | 96 | 74793 | 22.004 | ug/L | 97 |
| 18) Methyl tert-butyl Ether | 5.429 | 73 | 135866 | 24.983 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 6.216 | 63 | 162921 | 22.192 | ug/L | 97 |
| 20) cis-1,2-Dichloroethene | 7.167 | 96 | 87217 | 23.268 | ug/L | 98 |
| 22) 2-Butanone | 7.173 | 43 | 54301 | 42.612 | ug/L | 99 |
| 23) Bromochloromethane | 7.514 | 128 | 39021 | 23.385 | ug/L | 93 |
| 25) Chloroform | 7.673 | 83 | 162285 | 22.638 | ug/L | 97 |

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Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 50 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025514

Quant Time: Jun 21 05:40:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM061824SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Jun 21 02:43:08 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.398 | 62 | 116731 | 22.078 | ug/L | 99 |
| 29) Cyclohexane | 7.959 | 56 | 117281 | 20.177 | ug/L | 98 |
| 30) 1,1,1-Trichloroethane | 7.874 | 97 | 117331 | 20.753 | ug/L | 98 |
| 31) Carbon tetrachloride | 8.069 | 117 | 101773 | 19.705 | ug/L | 97 |
| 33) Benzene | 8.319 | 78 | 339678 | 22.235 | ug/L | 100 |
| 34) Trichloroethene | 9.093 | 95 | 87224 | 21.401 | ug/L | 97 |
| 35) Methylcyclohexane | 9.331 | 83 | 126982 | 19.810 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 9.368 | 63 | 96095 | 22.386 | ug/L | 99 |
| 38) Bromodichloromethane | 9.642 | 83 | 114935 | 21.898 | ug/L | 96 |
| 39) cis-1,3-Dichloropropene | 10.069 | 75 | 130662 | 21.533 | ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 10.209 | 43 | 123598 | 46.454 | ug/L | 99 |
| 42) Toluene | 10.386 | 91 | 358164 | 22.806 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 10.605 | 75 | 108808 | 21.236 | ug/L | 100 |
| 45) 1,1,2-Trichloroethane | 10.782 | 97 | 67231 | 22.487 | ug/L | 97 |
| 46) Tetrachloroethene | 10.861 | 164 | 57497 | 20.180 | ug/L | 89 |
| 48) 2-Hexanone | 10.965 | 43 | 82990 | 43.958 | ug/L | 96 |
| 49) Dibromochloromethane | 11.123 | 129 | 70167 | 22.452 | ug/L | 98 |
| 50) 1,2-Dibromoethane | 11.233 | 107 | 59692 | 22.242 | ug/L | 97 |
| 51) Chlorobenzene | 11.654 | 112 | 229580 | 22.511 | ug/L | 99 |
| 52) Ethylbenzene | 11.727 | 91 | 397537 | 22.299 | ug/L | 97 |
| 53) m,p-Xylene | 11.837 | 106 | 148766 | 22.846 | ug/L | 97 |
| 54) o-Xylene | 12.166 | 106 | 142588 | 23.430 | ug/L | 95 |
| 55) Styrene | 12.178 | 104 | 252147 | 23.763 | ug/L | 97 |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83 | 81599 | 22.065 | ug/L | 98 |
| 59) Bromoform | 12.343 | 173 | 37097 | 21.707 | ug/L | 97 |
| 60) Isopropylbenzene | 12.458 | 105 | 391023 | 23.535 | ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 12.763 | 75 | 62291 | 22.904 | ug/L | 98 |
| 62) 1,3,5-Trimethylbenzene | 12.940 | 105 | 289972 | 24.099 | ug/L | 97 |
| 63) 1,2,4-Trimethylbenzene | 13.245 | 105 | 313207 | 24.193 | ug/L | 98 |
| 64) 1,3-Dichlorobenzene | 13.495 | 146 | 164195 | 22.837 | ug/L | 92 |
| 65) 1,4-Dichlorobenzene | 13.574 | 146 | 164248 | 21.471 | ug/L | 95 |
| 67) 1,2-Dichlorobenzene | 13.867 | 146 | 151168 | 22.743 | ug/L | 94 |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75 | 13215 | 20.822 | ug/L | 88 |
| 69) 1,3,5-Trichlorobenzene | 14.623 | 180 | 103877 | 21.407 | ug/L | 95 |
| 70) 1,2,4-trichlorobenzene | 15.123 | 180 | 87393 | 22.217 | ug/L | 99 |
| 71) Naphthalene | 15.360 | 128 | 194058 | 24.996 | ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.549 | 180 | 84312 | 23.524 | ug/L | 99 |

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

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