Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032724\
Data File : VW028259.D
Acq On : 27 Mar 2024 18:36
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.0g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025528

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 03/28/2024
Supervised By :Mahesh Dadoda 03/28/2024

Quant Time: Mar 28 01:16:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM031424SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Mar 28 01:11:29 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 8.843 | 114 | 232156 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.629 | 117 | 213470 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 114329 | 25.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.363 | 65 | 46458 | 17.103 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 68.400% | | | |
| 7) Chloroethane-d5 | 2.899 | 69 | 38211 | 20.135 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 80.520% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.021 | 65 | 32298 | 18.750 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 75.000% | | | |
| 21) 2-Butanone-d5 | 7.075 | 46 | 52224 | 65.186 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 130.380% | | | |
| 24) Chloroform-d | 7.648 | 84 | 167743 | 24.503 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 98.000% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.307 | 65 | 94256 | 24.985 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 99.920% | | | |
| 32) Benzene-d6 | 8.270 | 84 | 318406 | 24.430 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 97.720% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.270 | 67 | 97636 | 26.032 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 104.120% | | | |
| 41) Toluene-d8 | 10.319 | 98 | 295782 | 24.604 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 98.400% | | | |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79 | 43477 | 25.522 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 102.080% | | | |
| 47) 2-Hexanone-d5 | 10.922 | 63 | 42723 | 68.912 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 137.820%# | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84 | 83780 | 30.239 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 120.960%# | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.848 | 152 | 101847 | 24.454 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 97.800% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.015 | 85 | 55246 | 16.404 | ug/L # | 85 |
| 3) Chloromethane | 2.222 | 50 | 48955 | 20.495 | ug/L | 98 |
| 5) Vinyl chloride | 2.375 | 62 | 54358 | 20.132 | ug/L | 97 |
| 6) Bromomethane | 2.783 | 94 | 35832 | 22.284 | ug/L | 94 |
| 8) Chloroethane | 2.930 | 64 | 32484 | 22.384 | ug/L | 98 |
| 9) Trichlorofluoromethane | 3.265 | 101 | 63732 | 19.523 | ug/L | 95 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070 | 101 | 71006m | 21.895 | ug/L | |
| 12) 1,1-Dichloroethene | 4.045 | 96 | 65495 | 21.847 | ug/L | 97 |
| 13) Acetone | 4.118 | 43 | 34276 | 38.532 | ug/L | 98 |
| 14) Carbon disulfide | 4.387 | 76 | 190865 | 20.413 | ug/L | 98 |
| 15) Methyl Acetate | 4.667 | 43 | 37402 | 27.297 | ug/L | 99 |
| 16) Methylene chloride | 4.917 | 84 | 74726 | 21.148 | ug/L | 96 |
| 17) trans-1,2-Dichloroethene | 5.429 | 96 | 74541 | 23.397 | ug/L | 97 |
| 18) Methyl tert-butyl Ether | 5.423 | 73 | 128579 | 26.750 | ug/L # | 90 |
| 19) 1,1-Dichloroethane | 6.216 | 63 | 147352 | 23.890 | ug/L | 99 |
| 20) cis-1,2-Dichloroethene | 7.173 | 96 | 84915 | 24.679 | ug/L | 94 |
| 22) 2-Butanone | 7.167 | 43 | 48383 | 47.906 | ug/L | 96 |
| 23) Bromochloromethane | 7.514 | 128 | 36937 | 24.282 | ug/L | 93 |
| 25) Chloroform | 7.679 | 83 | 154303 | 24.301 | ug/L | 98 |

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Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.0g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025528

Quant Time: Mar 28 01:16:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM031424SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Mar 28 01:11:29 2024
Response via : Initial Calibration

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.398 | 62 | 106404 | 23.729 | ug/L | 97 |
| 29) Cyclohexane | 7.953 | 56 | 123610 | 22.200 | ug/L | 99 |
| 30) 1,1,1-Trichloroethane | 7.874 | 97 | 126442 | 22.596 | ug/L | 99 |
| 31) Carbon tetrachloride | 8.069 | 117 | 113457 | 21.616 | ug/L | 97 |
| 33) Benzene | 8.319 | 78 | 315007 | 23.981 | ug/L | 100 |
| 34) Trichloroethene | 9.087 | 95 | 85187 | 23.244 | ug/L | 98 |
| 35) Methylcyclohexane | 9.331 | 83 | 134382 | 21.693 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 9.368 | 63 | 84547 | 25.163 | ug/L | 100 |
| 38) Bromodichloromethane | 9.642 | 83 | 110458 | 24.384 | ug/L | 96 |
| 39) cis-1,3-Dichloropropene | 10.069 | 75 | 132662 | 24.655 | ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 10.203 | 43 | 106852 | 57.614 | ug/L | 98 |
| 42) Toluene | 10.386 | 91 | 342211 | 23.870 | ug/L | 97 |
| 44) trans-1,3-Dichloropropene | 10.605 | 75 | 112595 | 24.785 | ug/L | 100 |
| 45) 1,1,2-Trichloroethane | 10.782 | 97 | 62132 | 25.594 | ug/L | 99 |
| 46) Tetrachloroethene | 10.861 | 164 | 67515 | 22.854 | ug/L | 95 |
| 48) 2-Hexanone | 10.965 | 43 | 75849 | 52.209 | ug/L | 98 |
| 49) Dibromochloromethane | 11.123 | 129 | 72521 | 25.225 | ug/L | 97 |
| 50) 1,2-Dibromoethane | 11.233 | 107 | 60614 | 26.113 | ug/L | 98 |
| 51) Chlorobenzene | 11.654 | 112 | 219104 | 24.078 | ug/L | 99 |
| 52) Ethylbenzene | 11.727 | 91 | 400699 | 23.943 | ug/L | 98 |
| 53) m,p-Xylene | 11.837 | 106 | 146360 | 23.240 | ug/L | 100 |
| 54) o-Xylene | 12.160 | 106 | 142899 | 24.468 | ug/L | 92 |
| 55) Styrene | 12.178 | 104 | 249860 | 24.907 | ug/L | 98 |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83 | 75777 | 27.291 | ug/L | 97 |
| 59) Bromoform | 12.349 | 173 | 44142 | 25.766 | ug/L | 97 |
| 60) Isopropylbenzene | 12.458 | 105 | 403349 | 23.745 | ug/L | 98 |
| 61) 1,2,3-Trichloropropane | 12.763 | 75 | 56535 | 25.910 | ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 12.940 | 105 | 274658 | 24.098 | ug/L | 100 |
| 63) 1,2,4-Trimethylbenzene | 13.245 | 105 | 331411 | 24.081 | ug/L | 98 |
| 64) 1,3-Dichlorobenzene | 13.495 | 146 | 177475 | 23.419 | ug/L | 99 |
| 65) 1,4-Dichlorobenzene | 13.574 | 146 | 176270 | 23.261 | ug/L | 95 |
| 67) 1,2-Dichlorobenzene | 13.867 | 146 | 162705 | 24.932 | ug/L | 95 |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75 | 13525 | 26.387 | ug/L | 91 |
| 69) 1,3,5-Trichlorobenzene | 14.623 | 180 | 122775 | 23.259 | ug/L | 98 |
| 70) 1,2,4-trichlorobenzene | 15.129 | 180 | 106776 | 23.810 | ug/L | 99 |
| 71) Naphthalene | 15.354 | 128 | 213832 | 27.781 | ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.549 | 180 | 93370 | 25.257 | ug/L | 99 |

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

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