Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072324\
Data File : VW029696.D
Acq On : 23 Jul 2024 10:20
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025551

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024

Quant Time: Jul 24 01:06:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Jul 19 23:16:32 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 8.843 | 114 | 206736 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.629 | 117 | 200604 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 94728 | 25.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 2.363 | 65 | 59490 | 17.813 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 71.240% | | | |
| 7) Chloroethane-d5 | 2.899 | 69 | 50775 | 21.115 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 84.440% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.015 | 65 | 29892 | 19.932 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 79.720% | | | |
| 21) 2-Butanone-d5 | 7.081 | 46 | 43891 | 43.780 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 87.560% | | | |
| 24) Chloroform-d | 7.648 | 84 | 149318 | 24.984 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 99.920% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.307 | 65 | 84955 | 24.234 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 96.920% | | | |
| 32) Benzene-d6 | 8.270 | 84 | 267254 | 22.239 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 88.960% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.270 | 67 | 91061 | 23.699 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 94.800% | | | |
| 41) Toluene-d8 | 10.325 | 98 | 233732 | 22.116 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 88.480% | | | |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79 | 33408 | 20.532 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 82.120% | | | |
| 47) 2-Hexanone-d5 | 10.922 | 63 | 30733 | 44.017 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 88.040% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84 | 73657 | 23.611 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 94.440% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.848 | 152 | 74813 | 22.678 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 90.720% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.015 | 85 | 35292 | 17.433 | ug/L | 96 |
| 3) Chloromethane | 2.223 | 50 | 56602 | 20.897 | ug/L | 95 |
| 5) Vinyl chloride | 2.375 | 62 | 74974 | 24.256 | ug/L | 90 |
| 6) Bromomethane | 2.789 | 94 | 45336 | 24.771 | ug/L | 95 |
| 8) Chloroethane | 2.936 | 64 | 51337 | 26.992 | ug/L | 97 |
| 9) Trichlorofluoromethane | 3.265 | 101 | 66950 | 24.062 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082 | 101 | 75221m | 27.471 | ug/L | |
| 12) 1,1-Dichloroethene | 4.039 | 96 | 65506 | 25.479 | ug/L | 95 |
| 13) Acetone | 4.131 | 43 | 44126 | 43.608 | ug/L | 100 |
| 14) Carbon disulfide | 4.387 | 76 | 179898 | 21.547 | ug/L | 98 |
| 15) Methyl Acetate | 4.673 | 43 | 42911 | 24.154 | ug/L | 99 |
| 16) Methylene chloride | 4.917 | 84 | 91414 | 24.698 | ug/L | 95 |
| 17) trans-1,2-Dichloroethene | 5.429 | 96 | 74031 | 26.011 | ug/L | 94 |
| 18) Methyl tert-butyl Ether | 5.423 | 73 | 125699 | 25.958 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 6.216 | 63 | 166011 | 28.403 | ug/L | 98 |
| 20) cis-1,2-Dichloroethene | 7.167 | 96 | 85474 | 27.464 | ug/L | 94 |
| 22) 2-Butanone | 7.173 | 43 | 58655 | 44.155 | ug/L | 99 |
| 23) Bromochloromethane | 7.508 | 128 | 36009 | 25.723 | ug/L | 97 |
| 25) Chloroform | 7.679 | 83 | 165994 | 29.352 | ug/L | 100 |

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Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 24 01:06:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Jul 19 23:16:32 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025551

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Reviewed By :Mahesh Dadoda 07/24/2024
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.398 | 62 | 118448 | 27.924 | ug/L | 98 |
| 29) Cyclohexane | 7.959 | 56 | 125540 | 25.132 | ug/L | 99 |
| 30) 1,1,1-Trichloroethane | 7.868 | 97 | 125542 | 27.405 | ug/L | 98 |
| 31) Carbon tetrachloride | 8.069 | 117 | 112208 | 26.746 | ug/L | 100 |
| 33) Benzene | 8.325 | 78 | 335309 | 26.715 | ug/L | 100 |
| 34) Trichloroethene | 9.093 | 95 | 88039 | 26.562 | ug/L | 95 |
| 35) Methylcyclohexane | 9.337 | 83 | 136255 | 25.576 | ug/L | 100 |
| 37) 1,2-Dichloropropane | 9.368 | 63 | 96548 | 27.818 | ug/L | 100 |
| 38) Bromodichloromethane | 9.642 | 83 | 117956 | 27.824 | ug/L | 95 |
| 39) cis-1,3-Dichloropropene | 10.069 | 75 | 140020 | 26.860 | ug/L | 97 |
| 40) 4-Methyl-2-pentanone | 10.209 | 43 | 126032 | 51.524 | ug/L | 98 |
| 42) Toluene | 10.386 | 91 | 355490 | 27.686 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 10.605 | 75 | 117073 | 26.202 | ug/L | 100 |
| 45) 1,1,2-Trichloroethane | 10.782 | 97 | 65659 | 26.304 | ug/L | 99 |
| 46) Tetrachloroethene | 10.855 | 164 | 60625 | 25.746 | ug/L | 90 |
| 48) 2-Hexanone | 10.965 | 43 | 91564 | 49.827 | ug/L | 98 |
| 49) Dibromochloromethane | 11.123 | 129 | 67158 | 25.853 | ug/L | 84 |
| 50) 1,2-Dibromoethane | 11.233 | 107 | 60389 | 25.387 | ug/L | 99 |
| 51) Chlorobenzene | 11.654 | 112 | 223137 | 26.882 | ug/L | 98 |
| 52) Ethylbenzene | 11.727 | 91 | 409824 | 28.171 | ug/L | 98 |
| 53) m,p-Xylene | 11.837 | 106 | 150165 | 28.119 | ug/L | 98 |
| 54) o-Xylene | 12.160 | 106 | 142894 | 28.929 | ug/L | 97 |
| 55) Styrene | 12.178 | 104 | 254507 | 29.303 | ug/L | 99 |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83 | 80514 | 25.571 | ug/L | 96 |
| 59) Bromoform | 12.349 | 173 | 38886 | 26.593 | ug/L | 97 |
| 60) Isopropylbenzene | 12.459 | 105 | 399629 | 29.983 | ug/L | 100 |
| 61) 1,2,3-Trichloropropane | 12.763 | 75 | 61412 | 26.787 | ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 12.940 | 105 | 285467 | 30.110 | ug/L | 98 |
| 63) 1,2,4-Trimethylbenzene | 13.245 | 105 | 317985 | 30.389 | ug/L | 98 |
| 64) 1,3-Dichlorobenzene | 13.495 | 146 | 165980 | 27.782 | ug/L | 97 |
| 65) 1,4-Dichlorobenzene | 13.574 | 146 | 165297 | 27.007 | ug/L | 94 |
| 67) 1,2-Dichlorobenzene | 13.867 | 146 | 153648 | 28.451 | ug/L | 97 |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75 | 13065 | 23.838 | ug/L | 94 |
| 69) 1,3,5-Trichlorobenzene | 14.623 | 180 | 107467 | 27.574 | ug/L | 99 |
| 70) 1,2,4-trichlorobenzene | 15.129 | 180 | 90375 | 26.353 | ug/L | 99 |
| 71) Naphthalene | 15.360 | 128 | 175485 | 24.380 | ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.543 | 180 | 82359 | 26.433 | ug/L | 99 |

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

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