Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW061022\
Data File : VW023447.D
Acq On : 10 Jun 2022 15:28
Operator : SY/VA
Sample : N3226-21MS
Misc : 6.03g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EW4P0MS

Quant Time: Jun 11 00:08:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM061022SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Jun 11 00:06:08 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 8.842 | 114 | 376987 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.634 | 117 | 330385 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.554 | 152 | 144475 | 25.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.349 | 65 | 147202 | 24.578 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 98.320% | | | |
| 7) Chloroethane-d5 | 2.879 | 69 | 116860 | 26.543 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 106.160% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.025 | 63 | 171929 | 20.566 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 82.280% | | | |
| 21) 2-Butanone-d5 | 7.086 | 46 | 24764 | 20.251 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 40.500% | | | |
| 24) Chloroform-d | 7.647 | 84 | 237213 | 22.858 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 91.440% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.305 | 65 | 132771 | 23.755 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 95.040% | | | |
| 32) Benzene-d6 | 8.275 | 84 | 421963 | 24.087 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 96.360% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.274 | 67 | 130656 | 25.316 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 101.280% | | | |
| 41) Toluene-d8 | 10.323 | 98 | 379438 | 22.176 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 88.720% | | | |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79 | 43164 | 18.324 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 73.280% | | | |
| 47) 2-Hexanone-d5 | 10.927 | 63 | 22785 | 27.628 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 55.260% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84 | 120277 | 24.952 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 99.800% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.853 | 152 | 115391 | 22.125 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 88.480% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.001 | 85 | 47351 | 34.447 | ug/L | 98 |
| 3) Chloromethane | 2.209 | 50 | 143467 | 31.552 | ug/L | 98 |
| 5) Vinyl chloride | 2.355 | 62 | 204691 | 28.884 | ug/L | 99 |
| 6) Bromomethane | 2.776 | 94 | 78066 | 19.463 | ug/L | 98 |
| 8) Chloroethane | 2.916 | 64 | 106537 | 28.379 | ug/L | 96 |
| 9) Trichlorofluoromethane | 3.251 | 101 | 59225 | 18.530 | ug/L | 97 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.056 | 101 | 102785 | 22.307 | ug/L | 94 |
| 12) 1,1-Dichloroethene | 4.044 | 96 | 96530 | 23.516 | ug/L | 90 |
| 13) Acetone | 4.123 | 43 | 24348 | 27.636 | ug/L | 73 |
| 14) Carbon disulfide | 4.379 | 76 | 266151 | 21.077 | ug/L | 99 |
| 15) Methyl Acetate | 4.672 | 43 | 29997 | 15.250 | ug/L | 98 |
| 16) Methylene chloride | 4.915 | 84 | 123328 | 24.172 | ug/L | 95 |
| 17) trans-1,2-Dichloroethene | 5.421 | 96 | 116876 | 24.048 | ug/L | 96 |
| 18) Methyl tert-butyl Ether | 5.428 | 73 | 199463 | 27.268 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 6.214 | 63 | 222070 | 25.509 | ug/L | 97 |
| 20) cis-1,2-Dichloroethene | 7.165 | 96 | 127271 | 23.946 | ug/L # | 98 |
| 22) 2-Butanone | 7.171 | 43 | 23866 | 17.698 | ug/L | 96 |
| 23) Bromochloromethane | 7.513 | 128 | 60326 | 24.638 | ug/L | 94 |
| 25) Chloroform | 7.677 | 83 | 242115 | 24.645 | ug/L | 100 |

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Operator : SY/VA
Sample : N3226-21MS
Misc : 6.03g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EW4P0MS

Quant Time: Jun 11 00:08:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM061022SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Jun 11 00:06:08 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.403 | 62 | 164976 | 25.392 | ug/L | 100 |
| 29) Cyclohexane | 7.951 | 56 | 159017 | 23.896 | ug/L | 98 |
| 30) 1,1,1-Trichloroethane | 7.872 | 97 | 198094 | 25.903 | ug/L | 98 |
| 31) Carbon tetrachloride | 8.067 | 117 | 166668 | 23.656 | ug/L | 99 |
| 33) Benzene | 8.323 | 78 | 509673 | 26.705 | ug/L | 100 |
| 34) Trichloroethene | 9.091 | 95 | 121846 | 23.819 | ug/L | 95 |
| 35) Methylcyclohexane | 9.335 | 83 | 175242 | 21.160 | ug/L | 97 |
| 37) 1,2-Dichloropropane | 9.366 | 63 | 128697 | 27.593 | ug/L | 99 |
| 38) Bromodichloromethane | 9.646 | 83 | 182064 | 27.754 | ug/L | 98 |
| 39) cis-1,3-Dichloropropene | 10.073 | 75 | 135655 | 18.980 | ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 10.207 | 43 | 105599 | 39.696 | ug/L | 96 |
| 42) Toluene | 10.384 | 91 | 540006 | 25.324 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 10.603 | 75 | 135483 | 21.007 | ug/L | 96 |
| 45) 1,1,2-Trichloroethane | 10.786 | 97 | 100613 | 26.261 | ug/L | 98 |
| 46) Tetrachloroethene | 10.859 | 164 | 78936 | 19.988 | ug/L | 90 |
| 48) 2-Hexanone | 10.969 | 43 | 43886 | 24.411 | ug/L | 98 |
| 49) Dibromochloromethane | 11.128 | 129 | 116950 | 26.065 | ug/L | 98 |
| 50) 1,2-Dibromoethane | 11.231 | 107 | 88970 | 24.842 | ug/L | 95 |
| 51) Chlorobenzene | 11.658 | 112 | 320369 | 22.262 | ug/L | 95 |
| 52) Ethylbenzene | 11.731 | 91 | 532870 | 21.988 | ug/L | 96 |
| 53) m,p-Xylene | 11.835 | 106 | 206314 | 21.873 | ug/L | 96 |
| 54) o-Xylene | 12.164 | 106 | 209999 | 23.298 | ug/L | 100 |
| 55) Styrene | 12.176 | 104 | 306602 | 19.563 | ug/L | 99 |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83 | 122370 | 26.301 | ug/L | 99 |
| 59) Bromoform | 12.347 | 173 | 61907 | 30.145 | ug/L | 99 |
| 60) Isopropylbenzene | 12.463 | 105 | 499881 | 24.172 | ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 12.768 | 75 | 87369 | 31.782 | ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 12.938 | 105 | 399158 | 23.600 | ug/L | 99 |
| 63) 1,2,4-Trimethylbenzene | 13.249 | 105 | 404476 | 23.897 | ug/L | 95 |
| 64) 1,3-Dichlorobenzene | 13.499 | 146 | 203229 | 22.152 | ug/L | 99 |
| 65) 1,4-Dichlorobenzene | 13.578 | 146 | 202139 | 21.578 | ug/L | 97 |
| 67) 1,2-Dichlorobenzene | 13.865 | 146 | 196701 | 23.408 | ug/L | 91 |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75 | 18411 | 30.331 | ug/L | 91 |
| 69) 1,3,5-Trichlorobenzene | 14.627 | 180 | 104566 | 17.443 | ug/L | 99 |
| 70) 1,2,4-trichlorobenzene | 15.127 | 180 | 83603 | 17.910 | ug/L | 98 |
| 71) Naphthalene | 15.365 | 128 | 205358 | 22.364 | ug/L | 98 |
| 72) 1,2,3-Trichlorobenzene | 15.554 | 180 | 73805 | 18.187 | ug/L | 99 |

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

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ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EW4P0MS

Quant Time: Jun 11 00:08:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM061022SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Jun 11 00:06:08 2022
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