Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW050222\
Data File : VW022734.D
Acq On : 02 May 2022 12:22
Operator : SY/VA
Sample : VSTDICV025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VICV406

Quant Time: May 03 01:36:55 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
Quant Title : SFAM01.0
QLast Update : Tue May 03 01:26:18 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 8.842 | 114 | 344376 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.628 | 117 | 331776 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.554 | 152 | 189546 | 25.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.355 | 65 | 171177 | 24.228 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 96.920% | | | |
| 7) Chloroethane-d5 | 2.885 | 69 | 118384 | 25.755 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 103.000% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.019 | 63 | 210772 | 23.088 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 92.360% | | | |
| 21) 2-Butanone-d5 | 7.080 | 46 | 64964 | 48.360 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 96.720% | | | |
| 24) Chloroform-d | 7.653 | 84 | 258591 | 25.630 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 102.520% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.305 | 65 | 139659 | 25.238 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 100.960% | | | |
| 32) Benzene-d6 | 8.275 | 84 | 503820 | 26.346 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 105.400% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.274 | 67 | 142670 | 26.559 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 106.240% | | | |
| 41) Toluene-d8 | 10.323 | 98 | 492050 | 26.636 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 106.560% | | | |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79 | 64232 | 25.969 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 103.880% | | | |
| 47) 2-Hexanone-d5 | 10.920 | 63 | 54343 | 52.993 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 105.980% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84 | 132682 | 26.500 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 106.000% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.853 | 152 | 174705 | 26.367 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 105.480% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.007 | 85 | 43875 | 23.371 | ug/L | 94 |
| 3) Chloromethane | 2.215 | 50 | 82495 | 22.740 | ug/L | 97 |
| 5) Vinyl chloride | 2.361 | 62 | 155729 | 21.390 | ug/L | 96 |
| 6) Bromomethane | 2.776 | 94 | 97959 | 20.956 | ug/L | 98 |
| 8) Chloroethane | 2.922 | 64 | 75827 | 21.594 | ug/L | 98 |
| 9) Trichlorofluoromethane | 3.257 | 101 | 66723 | 20.052 | ug/L | 96 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.068 | 101 | 105197 | 21.143 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 4.044 | 96 | 93322 | 21.158 | ug/L | 93 |
| 13) Acetone | 4.123 | 43 | 34796 | 34.597 | ug/L | 99 |
| 14) Carbon disulfide | 4.385 | 76 | 246598 | 20.393 | ug/L | 100 |
| 15) Methyl Acetate | 4.678 | 43 | 43961 | 21.757 | ug/L # | 75 |
| 16) Methylene chloride | 4.915 | 84 | 102720 | 20.385 | ug/L | 97 |
| 17) trans-1,2-Dichloroethene | 5.428 | 96 | 102489 | 20.648 | ug/L | 98 |
| 18) Methyl tert-butyl Ether | 5.428 | 73 | 169952 | 22.430 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 6.220 | 63 | 181659 | 21.594 | ug/L | 97 |
| 20) cis-1,2-Dichloroethene | 7.171 | 96 | 117184 | 21.980 | ug/L # | 97 |
| 22) 2-Butanone | 7.171 | 43 | 55750 | 39.636 | ug/L | 100 |
| 23) Bromochloromethane | 7.512 | 128 | 53432 | 21.401 | ug/L | 99 |
| 25) Chloroform | 7.677 | 83 | 203237 | 21.849 | ug/L | 99 |

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Sample : VSTDICV025
Misc : 5.00g/10mL/MSVOA_W/SOIL
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**Instrument :**
MSVOA_W
**ClientSampleId :**
VICV406

Quant Time: May 03 01:36:55 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
Quant Title : SFAM01.0
QLast Update : Tue May 03 01:26:18 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.403 | 62 | 135200 | 21.804 | ug/L | 98 |
| 29) Cyclohexane | 7.958 | 56 | 157610 | 21.966 | ug/L | 99 |
| 30) 1,1,1-Trichloroethane | 7.872 | 97 | 172917 | 22.054 | ug/L | 99 |
| 31) Carbon tetrachloride | 8.067 | 117 | 159432 | 21.738 | ug/L | 99 |
| 33) Benzene | 8.323 | 78 | 433371 | 22.173 | ug/L | 100 |
| 34) Trichloroethene | 9.091 | 95 | 116045 | 21.589 | ug/L | 98 |
| 35) Methylcyclohexane | 9.335 | 83 | 190275 | 21.548 | ug/L | 97 |
| 37) 1,2-Dichloropropane | 9.366 | 63 | 104284 | 22.048 | ug/L | 99 |
| 38) Bromodichloromethane | 9.646 | 83 | 148683 | 22.132 | ug/L | 97 |
| 39) cis-1,3-Dichloropropene | 10.073 | 75 | 168151 | 22.928 | ug/L | 100 |
| 40) 4-Methyl-2-pentanone | 10.207 | 43 | 131319 | 44.049 | ug/L | 99 |
| 42) Toluene | 10.390 | 91 | 488054 | 22.281 | ug/L | 98 |
| 44) trans-1,3-Dichloropropene | 10.603 | 75 | 147906 | 22.595 | ug/L | 100 |
| 45) 1,1,2-Trichloroethane | 10.786 | 97 | 87486 | 22.126 | ug/L | 99 |
| 46) Tetrachloroethene | 10.859 | 164 | 85814 | 21.244 | ug/L | 91 |
| 48) 2-Hexanone | 10.969 | 43 | 89493 | 44.928 | ug/L | 97 |
| 49) Dibromochloromethane | 11.128 | 129 | 108589 | 22.818 | ug/L | 97 |
| 50) 1,2-Dibromoethane | 11.231 | 107 | 87452 | 22.027 | ug/L | 97 |
| 51) Chlorobenzene | 11.658 | 112 | 326291 | 22.596 | ug/L | 98 |
| 52) Ethylbenzene | 11.731 | 91 | 553361 | 22.708 | ug/L | 99 |
| 53) m,p-Xylene | 11.835 | 106 | 218233 | 22.728 | ug/L | 99 |
| 54) o-Xylene | 12.164 | 106 | 208529 | 22.632 | ug/L | 95 |
| 55) Styrene | 12.176 | 104 | 357796 | 22.852 | ug/L | 98 |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83 | 107729 | 21.814 | ug/L | 100 |
| 59) Bromoform | 12.347 | 173 | 58746 | 21.870 | ug/L | 98 |
| 60) Isopropylbenzene | 12.463 | 105 | 565952 | 21.795 | ug/L | 100 |
| 61) 1,2,3-Trichloropropane | 12.768 | 75 | 79972 | 21.116 | ug/L | 100 |
| 62) 1,3,5-Trimethylbenzene | 12.938 | 105 | 313991 | 21.735 | ug/L | 99 |
| 63) 1,2,4-Trimethylbenzene | 13.249 | 105 | 482507 | 22.244 | ug/L | 98 |
| 64) 1,3-Dichlorobenzene | 13.499 | 146 | 256062 | 22.087 | ug/L | 95 |
| 65) 1,4-Dichlorobenzene | 13.578 | 146 | 255080 | 21.301 | ug/L | 96 |
| 67) 1,2-Dichlorobenzene | 13.865 | 146 | 228432 | 21.532 | ug/L | 96 |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75 | 17557 | 21.211 | ug/L | 98 |
| 69) 1,3,5-Trichlorobenzene | 14.627 | 180 | 173177 | 22.503 | ug/L | 98 |
| 70) 1,2,4-trichlorobenzene | 15.127 | 180 | 144989 | 23.421 | ug/L | 99 |
| 71) Naphthalene | 15.359 | 128 | 314340 | 23.363 | ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.548 | 180 | 125040 | 22.790 | ug/L | 94 |

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

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