Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010921\
Data File : VU041910.D
Acq On : 08 Jan 2021 17:09
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00512

Quant Time: Jan 09 01:35:54 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jan 09 01:31:59 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.26 | 114 | 145823 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.42 | 117 | 137107 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152 | 74502 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.60 | 65 | 43914 | 3.85 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 77.00% | | | |
| 7) Chloroethane-d5 | 1.92 | 69 | 45697 | 5.18 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 103.60% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.58 | 63 | 93493 | 4.45 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 89.00% | | | |
| 20) 2-Butanone-d5 | 4.66 | 46 | 170485 | 52.06 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 104.12% | | | |
| 24) Chloroform-d | 5.08 | 84 | 106784 | 5.47 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 109.40% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.72 | 65 | 57985 | 5.23 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 104.60% | | | |
| 32) Benzene-d6 | 5.74 | 84 | 195126 | 4.97 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 99.40% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.70 | 67 | 59240 | 4.81 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 96.20% | | | |
| 41) Toluene-d8 | 7.91 | 98 | 169447 | 4.78 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 95.60% | | | |
| 43) trans-1,3-Dichloropropene- | 8.18 | 79 | 23302 | 4.21 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 84.20% | | | |
| 46) 2-Hexanone-d5 | 8.64 | 63 | 140363 | 46.39 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 92.78% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75 | 84 | 55650 | 4.98 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 99.60% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.19 | 152 | 69265 | 5.23 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 104.60% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) Dichlorodifluoromethane | 1.39 | 85 | 60153 | 4.869 | ug/L | 99 |
| 3) Chloromethane | 1.52 | 50 | 60419 | 5.034 | ug/L | 98 |
| 5) Vinyl chloride | 1.61 | 62 | 70645 | 5.330 | ug/L | 96 |
| 6) Bromomethane | 1.86 | 94 | 47496 | 5.732 | ug/L | 97 |
| 8) Chloroethane | 1.94 | 64 | 43521 | 4.835 | ug/L | 96 |
| 9) Trichlorofluoromethane | 2.15 | 101 | 99623 | 5.939 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 54632 | 5.446 | ug/L | 95 |
| 12) 1,1-Dichloroethene | 2.59 | 96 | 56135 | 5.675 | ug/L | 88 |
| 13) Acetone | 2.67 | 43 | 96141 | 46.155 | ug/L | 95 |
| 14) Carbon disulfide | 2.81 | 76 | 170620 | 4.991 | ug/L | 100 |
| 15) Methyl Acetate | 2.97 | 43 | 24950 | 4.607 | ug/L | 93 |
| 16) Methylene chloride | 3.06 | 84 | 72373 | 6.126 | ug/L | 92 |
| 17) Methyl tert-butyl Ether | 3.38 | 73 | 131096 | 4.967 | ug/L | 98 |
| 18) trans-1,2-Dichloroethene | 3.37 | 96 | 55476 | 5.422 | ug/L | 92 |
| 19) 1,1-Dichloroethane | 3.89 | 63 | 99628 | 5.210 | ug/L | 99 |
| 21) 2-Butanone | 4.74 | 43 | 151363 | 44.612 | ug/L | 94 |
| 22) cis-1,2-Dichloroethene | 4.68 | 96 | 58222 | 5.148 | ug/L | 90 |

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Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00512

Quant Time: Jan 09 01:35:54 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jan 09 01:31:59 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.99 | 128 | 29387 | 5.657 | ug/L | | 91 |
| 25) Chloroform | 5.11 | 83 | 103325 | 5.365 | ug/L | | 98 |
| 27) 1,2-Dichloroethane | 5.81 | 62 | 65771 | 5.043 | ug/L | | 98 |
| 29) 1,1,1-Trichloroethane | 5.33 | 97 | 88288 | 5.607 | ug/L | | 98 |
| 30) Cyclohexane | 5.40 | 56 | 78698 | 4.459 | ug/L | | 89 |
| 31) Carbon tetrachloride | 5.54 | 117 | 77722 | 5.709 | ug/L | | 99 |
| 33) Benzene | 5.79 | 78 | 218784 | 4.989 | ug/L | | 100 |
| 34) Trichloroethene | 6.55 | 95 | 56230 | 5.103 | ug/L | | 96 |
| 35) Methylcyclohexane | 6.77 | 83 | 77680 | 4.361 | ug/L | | 97 |
| 37) 1,2-Dichloropropane | 6.80 | 63 | 52381 | 4.670 | ug/L | | 100 |
| 38) Bromodichloromethane | 7.11 | 83 | 68648 | 4.920 | ug/L | | 99 |
| 39) cis-1,3-Dichloropropene | 7.62 | 75 | 67993 | 4.091 | ug/L | | 99 |
| 40) 4-Methyl-2-pentanone | 7.80 | 43 | 304695 | 38.178 | ug/L | # | 94 |
| 42) Toluene | 7.98 | 91 | 220583 | 4.873 | ug/L | | 100 |
| 44) trans-1,3-Dichloropropene | 8.21 | 75 | 65461 | 4.405 | ug/L | | 96 |
| 45) 1,1,2-Trichloroethane | 8.40 | 97 | 41903 | 5.052 | ug/L | | 98 |
| 47) Tetrachloroethene | 8.56 | 164 | 43029 | 5.578 | ug/L | | 95 |
| 48) 2-Hexanone | 8.69 | 43 | 229056 | 39.436 | ug/L | # | 94 |
| 49) Dibromochloromethane | 8.81 | 129 | 51887 | 5.446 | ug/L | | 99 |
| 50) 1,2-Dibromoethane | 8.93 | 107 | 39632 | 4.830 | ug/L | | 97 |
| 51) Chlorobenzene | 9.45 | 112 | 141685 | 5.035 | ug/L | | 94 |
| 52) Ethylbenzene | 9.57 | 91 | 218571 | 4.534 | ug/L | | 98 |
| 53) m,p-Xylene | 9.69 | 106 | 88502 | 4.923 | ug/L | | 98 |
| 54) o-Xylene | 10.10 | 106 | 86694 | 4.923 | ug/L | | 93 |
| 55) Styrene | 10.11 | 104 | 148266 | 4.874 | ug/L | | 97 |
| 56) Isopropylbenzene | 10.48 | 105 | 221644 | 4.729 | ug/L | | 98 |
| 58) 1,1,2,2-Tetrachloroethane | 10.78 | 83 | 52885 | 4.582 | ug/L | | 100 |
| 59) 1,2,3-Trichloropropane | 10.82 | 75 | 38194 | 4.534 | ug/L | | 98 |
| 61) Bromoform | 10.29 | 173 | 31776 | 5.642 | ug/L | | 100 |
| 62) 1,3-Dichlorobenzene | 11.74 | 146 | 110293 | 4.841 | ug/L | | 98 |
| 63) 1,4-Dichlorobenzene | 11.83 | 146 | 113254 | 4.944 | ug/L | | 98 |
| 65) 1,2-Dichlorobenzene | 12.20 | 146 | 111961 | 5.018 | ug/L | | 95 |
| 66) 1,2-Dibromo-3-chloropropan | 12.99 | 75 | 8909 | 4.258 | ug/L | # | 64 |
| 67) 1,3,5-Trichlorobenzene | 13.21 | 180 | 77300 | 4.469 | ug/L | | 97 |
| 68) 1,2,4-trichlorobenzene | 13.83 | 180 | 60917 | 4.197 | ug/L | | 98 |
| 69) Naphthalene | 14.07 | 128 | 107646 | 3.583 | ug/L | | 99 |
| 70) 1,2,3-Trichlorobenzene | 14.32 | 180 | 62298 | 4.503 | ug/L | | 98 |

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

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ALS Vial : 44 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00512

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
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