Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100820\
Data File : VU040576.D
Acq On : 08 Oct 2020 20:58
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00522

Quant Time: Oct 09 02:06:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 09 01:55:27 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.26 | 114 | 143207 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.42 | 117 | 145235 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152 | 75454 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.60 | 65 | 56514 | 4.76 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 95.20% | | | |
| 7) Chloroethane-d5 | 1.92 | 69 | 43535 | 4.76 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 95.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.58 | 63 | 112324 | 4.84 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 96.80% | | | |
| 20) 2-Butanone-d5 | 4.66 | 46 | 184543 | 48.60 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 97.20% | | | |
| 24) Chloroform-d | 5.08 | 84 | 105605 | 5.07 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 101.40% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.72 | 65 | 60474 | 4.77 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 95.40% | | | |
| 32) Benzene-d6 | 5.75 | 84 | 193986 | 4.95 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 99.00% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.70 | 67 | 63225 | 4.86 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 97.20% | | | |
| 41) Toluene-d8 | 7.91 | 98 | 177392 | 5.06 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 101.20% | | | |
| 43) trans-1,3-Dichloropropene- | 8.19 | 79 | 26390 | 4.79 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 95.80% | | | |
| 46) 2-Hexanone-d5 | 8.64 | 63 | 139570 | 49.16 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 98.32% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75 | 84 | 55149 | 4.73 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 94.60% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.19 | 152 | 67068 | 4.79 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 95.80% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.39 | 85 | 63285 | 4.877 | ug/L | 98 |
| 3) Chloromethane | 1.53 | 50 | 58148 | 4.792 | ug/L | 96 |
| 5) Vinyl chloride | 1.61 | 62 | 60071 | 4.701 | ug/L | 99 |
| 6) Bromomethane | 1.87 | 94 | 32455 | 4.677 | ug/L | 94 |
| 8) Chloroethane | 1.94 | 64 | 38481 | 4.730 | ug/L | 96 |
| 9) Trichlorofluoromethane | 2.15 | 101 | 88934 | 4.847 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 56851 | 4.772 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.59 | 96 | 50457 | 4.938 | ug/L | 96 |
| 13) Acetone | 2.67 | 43 | 129548 | 44.013 | ug/L | 98 |
| 14) Carbon disulfide | 2.81 | 76 | 137242 | 4.798 | ug/L | 99 |
| 15) Methyl Acetate | 2.97 | 43 | 32346 | 4.813 | ug/L | 98 |
| 16) Methylene chloride | 3.06 | 84 | 63125 | 4.812 | ug/L | 95 |
| 17) Methyl tert-butyl Ether | 3.38 | 73 | 141747 | 4.906 | ug/L | 100 |
| 18) trans-1,2-Dichloroethene | 3.37 | 96 | 51993 | 4.861 | ug/L | 95 |
| 19) 1,1-Dichloroethane | 3.89 | 63 | 112162 | 5.070 | ug/L | 99 |
| 21) 2-Butanone | 4.74 | 43 | 216949 | 47.276 | ug/L | 99 |
| 22) cis-1,2-Dichloroethene | 4.69 | 96 | 59446 | 5.154 | ug/L | 98 |

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**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00522

Quant Time: Oct 09 02:06:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 09 01:55:27 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 5.00 | 128 | 28812 | 5.028 | ug/L | 94 |
| 25) Chloroform | 5.11 | 83 | 113528 | 5.027 | ug/L | 99 |
| 27) 1,2-Dichloroethane | 5.81 | 62 | 80015 | 5.006 | ug/L | 98 |
| 29) 1,1,1-Trichloroethane | 5.34 | 97 | 96287 | 4.934 | ug/L | 100 |
| 30) Cyclohexane | 5.41 | 56 | 88834 | 4.940 | ug/L | 99 |
| 31) Carbon tetrachloride | 5.54 | 117 | 82619 | 4.947 | ug/L | 99 |
| 33) Benzene | 5.79 | 78 | 233042 | 4.994 | ug/L | 100 |
| 34) Trichloroethene | 6.56 | 95 | 59915 | 4.954 | ug/L | 95 |
| 35) Methylcyclohexane | 6.77 | 83 | 85578 | 4.990 | ug/L | 98 |
| 37) 1,2-Dichloropropane | 6.80 | 63 | 64844 | 4.988 | ug/L | 100 |
| 38) Bromodichloromethane | 7.12 | 83 | 80920 | 4.869 | ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 7.62 | 75 | 86809 | 4.887 | ug/L | 95 |
| 40) 4-Methyl-2-pentanone | 7.80 | 43 | 497697 | 48.018 | ug/L | 100 |
| 42) Toluene | 7.98 | 91 | 239914 | 5.046 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 8.22 | 75 | 80043 | 4.895 | ug/L | 96 |
| 45) 1,1,2-Trichloroethane | 8.41 | 97 | 46991 | 4.826 | ug/L | 97 |
| 47) Tetrachloroethene | 8.56 | 164 | 43662 | 5.060 | ug/L | 96 |
| 48) 2-Hexanone | 8.69 | 43 | 373119 | 48.352 | ug/L | 100 |
| 49) Dibromochloromethane | 8.82 | 129 | 55281 | 4.934 | ug/L | 97 |
| 50) 1,2-Dibromoethane | 8.93 | 107 | 43704 | 4.732 | ug/L | 98 |
| 51) Chlorobenzene | 9.45 | 112 | 151861 | 4.849 | ug/L | 99 |
| 52) Ethylbenzene | 9.57 | 91 | 260695 | 5.066 | ug/L | 100 |
| 53) m,p-Xylene | 9.69 | 106 | 97339 | 5.190 | ug/L | 98 |
| 54) o-Xylene | 10.10 | 106 | 93221 | 5.168 | ug/L | 96 |
| 55) Styrene | 10.11 | 104 | 167526 | 5.348 | ug/L | 98 |
| 56) Isopropylbenzene | 10.48 | 105 | 248233 | 5.112 | ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.78 | 83 | 60179 | 4.707 | ug/L | 98 |
| 59) 1,2,3-Trichloropropane | 10.82 | 75 | 44486 | 4.658 | ug/L | 100 |
| 61) Bromoform | 10.29 | 173 | 30591 | 4.730 | ug/L | 99 |
| 62) 1,3-Dichlorobenzene | 11.74 | 146 | 123470 | 5.000 | ug/L | 98 |
| 63) 1,4-Dichlorobenzene | 11.83 | 146 | 127447 | 5.005 | ug/L | 97 |
| 65) 1,2-Dichlorobenzene | 12.21 | 146 | 119374 | 4.944 | ug/L | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.99 | 75 | 9703 | 4.590 | ug/L | 91 |
| 67) 1,3,5-Trichlorobenzene | 13.21 | 180 | 85171 | 4.861 | ug/L | 98 |
| 68) 1,2,4-trichlorobenzene | 13.83 | 180 | 68064 | 5.027 | ug/L | 96 |
| 69) Naphthalene | 14.08 | 128 | 109206 | 4.931 | ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 14.32 | 180 | 62594 | 4.979 | ug/L | 97 |

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

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