Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU103020\
Data File : VU041040.D
Acq On : 30 Oct 2020 15:20
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00510

Quant Time: Oct 30 23:02:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 30 23:53:53 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.26 | 114 | 56606 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.42 | 117 | 57008 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152 | 29512 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.60 | 65 | 23227 | 4.88 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 97.60% | | | |
| 7) Chloroethane-d5 | 1.92 | 69 | 17369 | 4.75 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 95.00% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.58 | 63 | 45360 | 4.86 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 97.20% | | | |
| 20) 2-Butanone-d5 | 4.64 | 46 | 87731 | 56.02 | ug/L | -0.02 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 112.04% | | | |
| 24) Chloroform-d | 5.08 | 84 | 43189 | 5.14 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 102.80% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.71 | 65 | 26936 | 5.17 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 103.40% | | | |
| 32) Benzene-d6 | 5.74 | 84 | 79459 | 5.21 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 104.20% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.70 | 67 | 26566 | 5.35 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 107.00% | | | |
| 41) Toluene-d8 | 7.90 | 98 | 73310 | 5.31 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 106.20% | | | |
| 43) trans-1,3-Dichloropropene- | 8.18 | 79 | 12136 | 5.64 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 112.80% | | | |
| 46) 2-Hexanone-d5 | 8.64 | 63 | 65917 | 56.90 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 113.80% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75 | 84 | 25466 | 5.52 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 110.40% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.19 | 152 | 26847 | 5.18 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 103.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.39 | 85 | 25977 | 5.027 | ug/L | 100 |
| 3) Chloromethane | 1.53 | 50 | 27217 | 5.051 | ug/L | 99 |
| 5) Vinyl chloride | 1.61 | 62 | 27425 | 5.159 | ug/L | 96 |
| 6) Bromomethane | 1.86 | 94 | 14141 | 4.641 | ug/L | 99 |
| 8) Chloroethane | 1.94 | 64 | 15646 | 4.645 | ug/L | 98 |
| 9) Trichlorofluoromethane | 2.15 | 101 | 37003 | 5.121 | ug/L | 97 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 22854 | 5.397 | ug/L | 97 |
| 12) 1,1-Dichloroethene | 2.59 | 96 | 19879 | 4.972 | ug/L | 92 |
| 13) Acetone | 2.65 | 43 | 63986 | 59.763 | ug/L # | 59 |
| 14) Carbon disulfide | 2.81 | 76 | 64129 | 4.799 | ug/L | 100 |
| 15) Methyl Acetate | 2.96 | 43 | 14695 | 5.998 | ug/L | 93 |
| 16) Methylene chloride | 3.06 | 84 | 24380 | 5.233 | ug/L | 97 |
| 17) Methyl tert-butyl Ether | 3.38 | 73 | 55222 | 5.366 | ug/L | 98 |
| 18) trans-1,2-Dichloroethene | 3.37 | 96 | 20216 | 4.975 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 3.89 | 63 | 43668 | 5.375 | ug/L | 99 |
| 21) 2-Butanone | 4.72 | 43 | 99187 | 59.274 | ug/L | 100 |
| 22) cis-1,2-Dichloroethene | 4.68 | 96 | 23112 | 5.514 | ug/L | 99 |

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Data File : VU041040.D
Acq On : 30 Oct 2020 15:20
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00510

Quant Time: Oct 30 23:02:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 30 23:53:53 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.99 | 128 | 11284 | 5.706 ug/L | 96 |
| 25) Chloroform | 5.10 | 83 | 44733 | 5.491 ug/L | 100 |
| 27) 1,2-Dichloroethane | 5.81 | 62 | 33499 | 5.521 ug/L | 97 |
| 29) 1,1,1-Trichloroethane | 5.33 | 97 | 37682 | 5.405 ug/L | 96 |
| 30) Cyclohexane | 5.40 | 56 | 34984 | 5.093 ug/L | 98 |
| 31) Carbon tetrachloride | 5.54 | 117 | 32328 | 5.236 ug/L | 98 |
| 33) Benzene | 5.79 | 78 | 91248 | 5.357 ug/L | 100 |
| 34) Trichloroethene | 6.55 | 95 | 23359 | 5.388 ug/L | 97 |
| 35) Methylcyclohexane | 6.77 | 83 | 33025 | 5.107 ug/L | 98 |
| 37) 1,2-Dichloropropane | 6.80 | 63 | 25641 | 5.563 ug/L | 98 |
| 38) Bromodichloromethane | 7.11 | 83 | 32222 | 5.389 ug/L | 97 |
| 39) cis-1,3-Dichloropropene | 7.61 | 75 | 33859 | 5.335 ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 7.80 | 43 | 225754 | 61.430 ug/L | 98 |
| 42) Toluene | 7.97 | 91 | 95334 | 5.519 ug/L | 98 |
| 44) trans-1,3-Dichloropropene | 8.21 | 75 | 33188 | 5.588 ug/L | 99 |
| 45) 1,1,2-Trichloroethane | 8.40 | 97 | 19443 | 5.667 ug/L | 95 |
| 47) Tetrachloroethene | 8.56 | 164 | 16506 | 5.178 ug/L | 98 |
| 48) 2-Hexanone | 8.69 | 43 | 173356 | 62.648 ug/L | 98 |
| 49) Dibromochloromethane | 8.81 | 129 | 22036 | 5.530 ug/L | 96 |
| 50) 1,2-Dibromoethane | 8.93 | 107 | 18042 | 5.518 ug/L | 96 |
| 51) Chlorobenzene | 9.45 | 112 | 59474 | 5.430 ug/L | 99 |
| 52) Ethylbenzene | 9.57 | 91 | 97494 | 5.362 ug/L | 100 |
| 53) m,p-Xylene | 9.69 | 106 | 36613 | 5.522 ug/L | 95 |
| 54) o-Xylene | 10.10 | 106 | 35240 | 5.706 ug/L | 98 |
| 55) Styrene | 10.11 | 104 | 63080 | 5.733 ug/L | 100 |
| 56) Isopropylbenzene | 10.48 | 105 | 94750 | 5.706 ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.78 | 83 | 25700 | 5.703 ug/L | 98 |
| 59) 1,2,3-Trichloropropane | 10.82 | 75 | 19862 | 5.782 ug/L | 100 |
| 61) Bromoform | 10.29 | 173 | 12443 | 5.471 ug/L | 98 |
| 62) 1,3-Dichlorobenzene | 11.74 | 146 | 47713 | 5.601 ug/L | 96 |
| 63) 1,4-Dichlorobenzene | 11.83 | 146 | 49063 | 5.561 ug/L | 98 |
| 65) 1,2-Dichlorobenzene | 12.21 | 146 | 46712 | 5.557 ug/L | 97 |
| 66) 1,2-Dibromo-3-chloropropan | 12.99 | 75 | 4428 | 5.374 ug/L | 90 |
| 67) 1,3,5-Trichlorobenzene | 13.21 | 180 | 32744 | 5.496 ug/L | 100 |
| 68) 1,2,4-trichlorobenzene | 13.83 | 180 | 26914 | 5.453 ug/L | 99 |
| 69) Naphthalene | 14.08 | 128 | 46329 | 5.249 ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 14.32 | 180 | 25739 | 5.658 ug/L | 97 |

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

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Acq On : 30 Oct 2020 15:20
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00510

Quant Time: Oct 30 23:02:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 30 23:53:53 2020
Response via : Initial Calibration