Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102619\
Data File : VV013367.D
Acq On : 26 Oct 2019 11:25
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00557

**Manual Integrations APPROVED**
MMDadoda
11/5/2019 9:01:41 AM

Quant Time: Oct 31 13:37:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 26 00:57:59 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 525876 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 555878 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152 | 361557 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 190115 | 4.90 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 98.00% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 155856 | 4.87 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 97.40% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 309946 | 4.49 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 89.80% | | | |
| 20) 2-Butanone-d5 | 3.97 | 46 | 438640 | 58.91 | ug/L | 0.03 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 117.82% | | | |
| 24) Chloroform-d | 4.40 | 84 | 421022 | 4.62 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 92.40% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 192989 | 4.57 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 91.40% | | | |
| 32) Benzene-d6 | 5.09 | 84 | 876107 | 4.87 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 97.40% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.11 | 67 | 247300 | 4.57 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 91.40% | | | |
| 41) Toluene-d8 | 7.35 | 98 | 853344 | 5.12 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 102.40% | | | |
| 43) trans-1,3-Dichloropropene- | 7.66 | 79 | 93840 | 4.58 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 91.60% | | | |
| 46) 2-Hexanone-d5 | 8.13 | 63 | 336951 | 46.14 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 92.28% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 173731 | 4.44 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 88.80% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 326081 | 4.64 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 92.80% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 268313 | 4.615 | ug/L | 99 |
| 3) Chloromethane | 1.25 | 50 | 212202 | 4.206 | ug/L | 100 |
| 5) Vinyl chloride | 1.32 | 62 | 230545 | 4.543 | ug/L | 99 |
| 6) Bromomethane | 1.53 | 94 | 145588 | 5.093 | ug/L | 96 |
| 8) Chloroethane | 1.60 | 64 | 138695 | 4.586 | ug/L | 98 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 345745 | 4.708 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 199184 | 4.590 | ug/L | 97 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 185154 | 4.478 | ug/L | 96 |
| 13) Acetone | 2.24 | 43 | 215029 | 55.857 | ug/L | 98 |
| 14) Carbon disulfide | 2.31 | 76 | 507426 | 4.275 | ug/L | 100 |
| 15) Methyl Acetate | 2.47 | 43 | 76685m | 5.890 | ug/L | |
| 16) Methylene chloride | 2.53 | 84 | 253397 | 4.078 | ug/L | 95 |
| 17) Methyl tert-butyl Ether | 2.80 | 73 | 522387 | 5.455 | ug/L | 97 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 263511 | 5.406 | ug/L | 92 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 456959 | 5.768 | ug/L | 99 |
| 21) 2-Butanone | 4.05 | 43 | 522957 | 60.684 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 276578 | 5.302 | ug/L # | 96 |

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Data File : VV013367.D
Acq On : 26 Oct 2019 11:25
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00557

**Manual Integrations APPROVED**
MMDadoda
11/5/2019 9:01:41 AM

Quant Time: Oct 31 13:37:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 26 00:57:59 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.30 | 128 | 125689 | 5.077 | ug/L | | 91 |
| 25) Chloroform | 4.42 | 83 | 487330 | 4.719 | ug/L | | 99 |
| 27) 1,2-Dichloroethane | 5.18 | 62 | 263485 | 4.777 | ug/L | | 99 |
| 29) 1,1,1-Trichloroethane | 4.65 | 97 | 405710 | 4.938 | ug/L | | 99 |
| 30) Cyclohexane | 4.72 | 56 | 398001 | 4.666 | ug/L | | 96 |
| 31) Carbon tetrachloride | 4.87 | 117 | 370646 | 5.028 | ug/L | | 100 |
| 33) Benzene | 5.14 | 78 | 1052787 | 4.960 | ug/L | | 100 |
| 34) Trichloroethene | 5.96 | 95 | 286716 | 5.034 | ug/L | | 95 |
| 35) Methylcyclohexane | 6.17 | 83 | 443993 | 5.066 | ug/L | | 98 |
| 37) 1,2-Dichloropropane | 6.22 | 63 | 254839 | 4.943 | ug/L | | 100 |
| 38) Bromodichloromethane | 6.55 | 83 | 321467 | 4.817 | ug/L | | 99 |
| 39) cis-1,3-Dichloropropene | 7.07 | 75 | 354620 | 4.883 | ug/L | | 98 |
| 40) 4-Methyl-2-pentanone | 7.27 | 43 | 1288974 | 48.905 | ug/L | | 95 |
| 42) Toluene | 7.43 | 91 | 1158344 | 5.197 | ug/L | | 99 |
| 44) trans-1,3-Dichloropropene | 7.69 | 75 | 275907 | 5.015 | ug/L | | 99 |
| 45) 1,1,2-Trichloroethane | 7.88 | 97 | 180972 | 5.029 | ug/L | | 98 |
| 47) Tetrachloroethene | 8.01 | 164 | 274410 | 5.305 | ug/L | | 98 |
| 48) 2-Hexanone | 8.18 | 43 | 933584 | 49.618 | ug/L | | 95 |
| 49) Dibromochloromethane | 8.29 | 129 | 227559 | 5.020 | ug/L | | 100 |
| 50) 1,2-Dibromoethane | 8.39 | 107 | 168025 | 4.899 | ug/L | | 97 |
| 51) Chlorobenzene | 8.92 | 112 | 751275 | 5.149 | ug/L | | 99 |
| 52) Ethylbenzene | 9.05 | 91 | 1235086 | 5.315 | ug/L | | 99 |
| 53) m,p-xylene | 9.18 | 106 | 496720 | 5.584 | ug/L | | 100 |
| 54) o-xylene | 9.58 | 106 | 465712 | 5.515 | ug/L | | 97 |
| 55) Styrene | 9.60 | 104 | 805285 | 5.611 | ug/L | | 100 |
| 56) Isopropylbenzene | 9.97 | 105 | 1253985 | 5.630 | ug/L | | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.28 | 83 | 187371 | 4.529 | ug/L | | 98 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 147369 | 4.792 | ug/L | | 98 |
| 61) Bromoform | 9.77 | 173 | 137457 | 4.987 | ug/L | | 97 |
| 62) 1,3-Dichlorobenzene | 11.22 | 146 | 665028 | 5.223 | ug/L | | 98 |
| 63) 1,4-Dichlorobenzene | 11.31 | 146 | 652906 | 5.065 | ug/L | | 97 |
| 65) 1,2-Dichlorobenzene | 11.68 | 146 | 591554 | 5.045 | ug/L | | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.47 | 75 | 26390 | 3.963 | ug/L | # | 78 |
| 67) 1,3,5-Trichlorobenzene | 12.69 | 180 | 498711 | 5.298 | ug/L | | 98 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 440988 | 5.355 | ug/L | | 98 |
| 69) Naphthalene | 13.55 | 128 | 574470 | 5.057 | ug/L | | 99 |
| 70) 1,2,3-Trichlorobenzene | 13.79 | 180 | 405373 | 5.300 | ug/L | | 99 |

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

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**Instrument :**
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**ClientSampleId :**
VSTD00557

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