Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030220\
Data File : VV014727.D
Acq On : 02 Mar 2020 13:12
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00558

Manual Integrations APPROVED
MMDadoda
3/3/2020 12:01:24 PM

Quant Time: Mar 03 01:03:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Mar 03 00:49:47 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 284330 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 269360 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152 | 140188 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 101311 | 4.55 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 91.00% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 81884 | 4.70 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 94.00% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 176054 | 4.65 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 93.00% | | | |
| 20) 2-Butanone-d5 | 3.97 | 46 | 216954 | 47.15 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 94.30% | | | |
| 24) Chloroform-d | 4.39 | 84 | 193686 | 4.85 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 97.00% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 96710 | 4.94 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 98.80% | | | |
| 32) Benzene-d6 | 5.09 | 84 | 383726 | 4.91 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 98.20% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.11 | 67 | 120747 | 4.94 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 98.80% | | | |
| 41) Toluene-d8 | 7.35 | 98 | 354694 | 4.91 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 98.20% | | | |
| 43) trans-1,3-Dichloropropene- | 7.66 | 79 | 46658 | 4.94 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 98.80% | | | |
| 46) 2-Hexanone-d5 | 8.13 | 63 | 169856 | 44.43 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 88.86% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25 | 84 | 85139 | 4.87 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 97.40% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.66 | 152 | 125889 | 4.84 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 96.80% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 150385 | 4.816 | ug/L | 99 |
| 3) Chloromethane | 1.25 | 50 | 131454 | 4.571 | ug/L | 100 |
| 5) Vinyl chloride | 1.32 | 62 | 121326 | 4.589 | ug/L | 97 |
| 6) Bromomethane | 1.54 | 94 | 70600 | 4.740 | ug/L | 99 |
| 8) Chloroethane | 1.60 | 64 | 70004 | 4.727 | ug/L | 98 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 170899 | 4.746 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 88881 | 4.717 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 84966 | 4.742 | ug/L | 99 |
| 13) Acetone | 2.24 | 43 | 131243m | 42.386 | ug/L | |
| 14) Carbon disulfide | 2.32 | 76 | 256131 | 4.192 | ug/L | 98 |
| 15) Methyl Acetate | 2.48 | 43 | 21654 | 2.756 | ug/L # | 67 |
| 16) Methylene chloride | 2.53 | 84 | 89914 | 4.012 | ug/L | 93 |
| 17) Methyl tert-butyl Ether | 2.81 | 73 | 224797 | 4.612 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 98557 | 4.550 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 199654 | 4.712 | ug/L | 100 |
| 21) 2-Butanone | 4.05 | 43 | 244656 | 46.426 | ug/L | 94 |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 109502 | 4.729 | ug/L | 100 |

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Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00558

**Manual Integrations APPROVED**
MMDadoda
3/3/2020 12:01:24 PM

Quant Time: Mar 03 01:03:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Mar 03 00:49:47 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.30 | 128 | 42940 | 4.621 | ug/L | 98 |
| 25) Chloroform | 4.42 | 83 | 193193 | 4.646 | ug/L | 98 |
| 27) 1,2-Dichloroethane | 5.17 | 62 | 112577 | 4.421 | ug/L | 100 |
| 29) 1,1,1-Trichloroethane | 4.65 | 97 | 168187 | 4.736 | ug/L | 99 |
| 30) Cyclohexane | 4.72 | 56 | 186006 | 4.653 | ug/L | 100 |
| 31) Carbon tetrachloride | 4.87 | 117 | 148452 | 4.853 | ug/L | 99 |
| 33) Benzene | 5.14 | 78 | 429069 | 4.851 | ug/L | 100 |
| 34) Trichloroethene | 5.95 | 95 | 111668 | 4.820 | ug/L | 95 |
| 35) Methylcyclohexane | 6.17 | 83 | 189618 | 4.812 | ug/L | 100 |
| 37) 1,2-Dichloropropane | 6.22 | 63 | 107764 | 4.770 | ug/L | 98 |
| 38) Bromodichloromethane | 6.55 | 83 | 134013 | 4.863 | ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 7.06 | 75 | 159732 | 4.880 | ug/L | 97 |
| 40) 4-Methyl-2-pentanone | 7.27 | 43 | 644240 | 47.620 | ug/L | 99 |
| 42) Toluene | 7.42 | 91 | 456090 | 4.870 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 7.69 | 75 | 123624 | 4.868 | ug/L | 99 |
| 45) 1,1,2-Trichloroethane | 7.88 | 97 | 68808 | 4.770 | ug/L | 98 |
| 47) Tetrachloroethene | 8.01 | 164 | 89062 | 4.808 | ug/L | 98 |
| 48) 2-Hexanone | 8.18 | 43 | 457400 | 47.451 | ug/L | 97 |
| 49) Dibromochloromethane | 8.28 | 129 | 83633 | 5.128 | ug/L | 99 |
| 50) 1,2-Dibromoethane | 8.39 | 107 | 64984 | 4.720 | ug/L | 98 |
| 51) Chlorobenzene | 8.92 | 112 | 282111 | 4.757 | ug/L | 99 |
| 52) Ethylbenzene | 9.05 | 91 | 509208 | 4.795 | ug/L | 100 |
| 53) m,p-xylene | 9.17 | 106 | 189380 | 4.871 | ug/L | 99 |
| 54) o-xylene | 9.58 | 106 | 180938 | 4.781 | ug/L | 96 |
| 55) Styrene | 9.60 | 104 | 313760 | 4.934 | ug/L | 98 |
| 56) Isopropylbenzene | 9.97 | 105 | 502706 | 4.917 | ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.28 | 83 | 85271 | 4.728 | ug/L | 97 |
| 59) 1,2,3-Trichloropropane | 10.31 | 75 | 62188 | 4.712 | ug/L | 99 |
| 61) Bromoform | 9.77 | 173 | 44646 | 5.412 | ug/L | 99 |
| 62) 1,3-Dichlorobenzene | 11.22 | 146 | 233077 | 4.863 | ug/L | 99 |
| 63) 1,4-Dichlorobenzene | 11.31 | 146 | 231200 | 4.722 | ug/L | 99 |
| 65) 1,2-Dichlorobenzene | 11.68 | 146 | 206677 | 4.668 | ug/L | 96 |
| 66) 1,2-Dibromo-3-chloropropan | 12.47 | 75 | 13686 | 4.671 | ug/L | 99 |
| 67) 1,3,5-Trichlorobenzene | 12.68 | 180 | 188999 | 4.860 | ug/L | 99 |
| 68) 1,2,4-trichlorobenzene | 13.30 | 180 | 160762 | 4.814 | ug/L | 97 |
| 69) Naphthalene | 13.54 | 128 | 253613 | 4.664 | ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 13.78 | 180 | 141955 | 4.763 | ug/L | 100 |

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

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