Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV123120\
Data File : VV019878.D
Acq On : 31 Dec 2020 13:37
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD005305

Manual Integrations APPROVED
MMDadoda
1/4/2021 9:31:55 AM

Quant Time: Jan 01 00:35:19 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR122920WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 31 02:03:35 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.62 | 114 | 280024 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.86 | 117 | 265843 | 5.00 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.25 | 152 | 133424 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.30 | 65 | 82968 | 4.12 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 82.40% | | | |
| 7) Chloroethane-d5 | 1.57 | 69 | 72338 | 4.30 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 86.00% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.11 | 63 | 181873 | 4.36 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 87.20% | | | |
| 20) 2-Butanone-d5 | 3.95 | 46 | 182816m | 43.00 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 86.00% | | | |
| 24) Chloroform-d | 4.35 | 84 | 156963 | 4.21 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 84.20% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.04 | 65 | 80504 | 4.28 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 85.60% | | | |
| 32) Benzene-d6 | 5.05 | 84 | 309487 | 4.24 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 84.80% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.07 | 67 | 93964 | 4.29 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 85.80% | | | |
| 41) Toluene-d8 | 7.32 | 98 | 275254 | 4.33 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 86.60% | | | |
| 43) trans-1,3-Dichloropropene- | 7.63 | 79 | 32495 | 4.26 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 85.20% | | | |
| 46) 2-Hexanone-d5 | 8.10 | 63 | 131585 | 42.84 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 85.68% | | | |
| 56) 1,1,2,2-Tetrachloroethane- | 10.22 | 84 | 58693 | 4.28 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 85.60% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 11.63 | 152 | 88410 | 4.27 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 85.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.13 | 85 | 130130 | 4.858 | ug/L | 99 |
| 3) Chloromethane | 1.24 | 50 | 134049 | 4.526 | ug/L | 98 |
| 5) Vinyl chloride | 1.31 | 62 | 135306 | 4.656 | ug/L | 98 |
| 6) Bromomethane | 1.52 | 94 | 77681 | 4.566 | ug/L | 97 |
| 8) Chloroethane | 1.58 | 64 | 80515 | 4.533 | ug/L | 98 |
| 9) Trichlorofluoromethane | 1.75 | 101 | 170125 | 4.820 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.11 | 101 | 95061 | 5.006 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.11 | 96 | 91444 | 4.712 | ug/L | 95 |
| 13) Acetone | 2.23 | 43 | 153224m | 48.062 | ug/L | |
| 14) Carbon disulfide | 2.29 | 76 | 307556 | 4.577 | ug/L | 100 |
| 15) Methyl Acetate | 2.45 | 43 | 34094 | 4.281 | ug/L # | 79 |
| 16) Methylene chloride | 2.51 | 84 | 103499 | 4.381 | ug/L | 98 |
| 17) Methyl tert-butyl Ether | 2.78 | 73 | 213904 | 4.408 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 2.76 | 96 | 99282 | 4.530 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 3.19 | 63 | 194287 | 4.580 | ug/L | 99 |
| 21) 2-Butanone | 4.01 | 43 | 244234 | 45.535 | ug/L | 95 |
| 22) cis-1,2-Dichloroethene | 3.91 | 96 | 102523 | 4.500 | ug/L | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV123120\
Data File : VV019878.D
Acq On : 31 Dec 2020 13:37
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD005305

**Manual Integrations APPROVED**
MMDadoda
1/4/2021 9:31:55 AM

Quant Time: Jan 01 00:35:19 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR122920WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 31 02:03:35 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.25 | 128 | 40804 | 4.492 ug/L | 95 |
| 25) Chloroform | 4.38 | 83 | 203437 | 4.821 ug/L | 97 |
| 27) 1,2-Dichloroethane | 5.14 | 62 | 118007 | 4.590 ug/L | 96 |
| 29) 1,1,1-Trichloroethane | 4.61 | 97 | 168665 | 4.652 ug/L | 100 |
| 30) Cyclohexane | 4.68 | 56 | 176342 | 4.835 ug/L | 99 |
| 31) Carbon tetrachloride | 4.83 | 117 | 141094 | 4.765 ug/L | 99 |
| 33) Benzene | 5.10 | 78 | 416350 | 4.678 ug/L | 100 |
| 34) Trichloroethene | 5.92 | 95 | 109904 | 4.622 ug/L | 100 |
| 35) Methylcyclohexane | 6.13 | 83 | 178117 | 5.007 ug/L | 99 |
| 37) 1,2-Dichloropropane | 6.18 | 63 | 102022 | 4.571 ug/L | 100 |
| 38) Bromodichloromethane | 6.51 | 83 | 125778 | 4.569 ug/L | 97 |
| 39) cis-1,3-Dichloropropene | 7.03 | 75 | 138756 | 4.530 ug/L | 96 |
| 40) 4-Methyl-2-pentanone | 7.23 | 43 | 578366 | 45.886 ug/L | 99 |
| 42) Toluene | 7.39 | 91 | 425785 | 4.710 ug/L | 100 |
| 44) trans-1,3-Dichloropropene | 7.66 | 75 | 110908 | 4.420 ug/L | 96 |
| 45) 1,1,2-Trichloroethane | 7.84 | 97 | 65919 | 4.567 ug/L | 98 |
| 47) Tetrachloroethene | 7.98 | 164 | 76516 | 4.737 ug/L | 99 |
| 48) 2-Hexanone | 8.15 | 43 | 410789 | 47.020 ug/L | 99 |
| 49) Dibromochloromethane | 8.25 | 129 | 71437 | 4.575 ug/L | 99 |
| 50) 1,2-Dibromoethane | 8.36 | 107 | 59586 | 4.545 ug/L | 96 |
| 51) Chlorobenzene | 8.88 | 112 | 264671 | 4.629 ug/L | 99 |
| 52) Ethylbenzene | 9.02 | 91 | 475173 | 4.744 ug/L | 98 |
| 53) m,p-xylene | 9.14 | 106 | 175769 | 4.801 ug/L | 99 |
| 54) o-xylene | 9.55 | 106 | 165130 | 4.705 ug/L | 100 |
| 55) Styrene | 9.57 | 104 | 281487 | 4.746 ug/L | 100 |
| 57) 1,1,2,2-Tetrachloroethane | 10.25 | 83 | 70627 | 4.623 ug/L | 100 |
| 59) Bromoform | 9.74 | 173 | 31640 | 4.371 ug/L | 99 |
| 60) Isopropylbenzene | 9.94 | 105 | 460455 | 4.741 ug/L | 100 |
| 61) 1,2,3-Trichloropropane | 10.28 | 75 | 57845 | 4.484 ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 10.54 | 105 | 381807 | 4.755 ug/L | 99 |
| 63) 1,2,4-Trimethylbenzene | 10.92 | 105 | 386165 | 4.721 ug/L | 99 |
| 64) 1,3-Dichlorobenzene | 11.19 | 146 | 201502 | 4.725 ug/L | 96 |
| 65) 1,4-Dichlorobenzene | 11.28 | 146 | 199178 | 4.655 ug/L | 98 |
| 67) 1,2-Dichlorobenzene | 11.65 | 146 | 180350 | 4.598 ug/L | 99 |
| 68) 1,2-Dibromo-3-chloropropan | 12.44 | 75 | 10603 | 3.986 ug/L | 93 |
| 69) 1,3,5-Trichlorobenzene | 12.65 | 180 | 149113 | 4.717 ug/L | 100 |
| 70) 1,2,4-trichlorobenzene | 13.27 | 180 | 119411 | 4.646 ug/L | 99 |
| 71) Naphthalene | 13.51 | 128 | 174591 | 4.490 ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 13.75 | 180 | 102277 | 4.675 ug/L | 99 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV123120\
Data File : VV019878.D
Acq On : 31 Dec 2020 13:37
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 01 00:35:19 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR122920WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 31 02:03:35 2020
Response via : Initial Calibration

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD005305

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1/4/2021 9:31:55 AM