

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV101819\  
 Data File : VV013197.D  
 Acq On : 18 Oct 2019 10:48  
 Operator : SY/MD  
 Sample : VSTD0.536  
 Misc : 25.00ML/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD0.536

Manual Integrations  
 APPROVED

MMDadoda  
 10/21/2019 12:06:07 PM

Quant Time: Oct 18 12:06:56 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR101819WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Oct 18 11:59:26 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 495819   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 517785   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 272287   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |      |      |      |
|--------------------------------|-------|-----|--------|------|------|------|
| 4) Vinyl Chloride-d3           | 1.31  | 65  | 27590  | 0.54 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.58  | 69  | 22188  | 0.54 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.13  | 63  | 43842  | 0.55 | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.00  | 46  | 53381m | 5.39 | ug/L | 0.03 |
| 24) Chloroform-d               | 4.40  | 84  | 50775  | 0.53 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.08  | 65  | 24177  | 0.52 | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.09  | 84  | 97307  | 0.51 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.11  | 67  | 29449  | 0.52 | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.35  | 98  | 78488  | 0.47 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.67  | 79  | 9600   | 0.49 | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.14  | 63  | 31596  | 4.34 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84  | 22030  | 0.53 | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.67 | 152 | 30322  | 0.53 | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |              | Qvalue |
|--------------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 36536  | 0.582 ug/L   | 100    |
| 3) Chloromethane               | 1.25 | 50  | 37816  | 0.599 ug/L   | 97     |
| 5) Vinyl chloride              | 1.32 | 62  | 30960  | 0.577 ug/L   | 88     |
| 6) Bromomethane                | 1.53 | 94  | 18195  | 0.607 ug/L   | 99     |
| 8) Chloroethane                | 1.60 | 64  | 17777  | 0.578 ug/L   | 99     |
| 9) Trichlorofluoromethane      | 1.77 | 101 | 45281  | 0.591 ug/L   | 98     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 25448  | 0.588 ug/L   | 98     |
| 12) 1,1-Dichloroethene         | 2.14 | 96  | 24323  | 0.591 ug/L   | 95     |
| 13) Acetone                    | 2.24 | 43  | 38668m | 7.563 ug/L   |        |
| 14) Carbon disulfide           | 2.31 | 76  | 70627  | 0.608 ug/L   | 96     |
| 15) Methyl Acetate             | 2.48 | 43  | 6524   | 0.503 ug/L   | 95     |
| 16) Methylene chloride         | 2.53 | 84  | 30418  | 0.566 ug/L   | 95     |
| 17) Methyl tert-butyl Ether    | 2.80 | 73  | 61333  | 0.576 ug/L   | 98     |
| 18) trans-1,2-Dichloroethene   | 2.78 | 96  | 30968  | 0.588 ug/L   | 96     |
| 19) 1,1-Dichloroethane         | 3.23 | 63  | 56127  | 0.586 ug/L   | 98     |
| 21) 2-Butanone                 | 4.07 | 43  | 64773m | 5.706 ug/L   |        |
| 22) cis-1,2-Dichloroethene     | 3.96 | 96  | 30666  | 0.573 ug/L # | 92     |
| 23) Bromochloromethane         | 4.30 | 128 | 15366  | 0.621 ug/L   | 93     |
| 25) Chloroform                 | 4.42 | 83  | 63657  | 0.606 ug/L   | 95     |
| 27) 1,2-Dichloroethane         | 5.18 | 62  | 31321  | 0.570 ug/L # | 95     |
| 29) 1,1,1-Trichloroethane      | 4.65 | 97  | 46073  | 0.573 ug/L   | 99     |
| 30) Cyclohexane                | 4.71 | 56  | 41901  | 0.542 ug/L   | 98     |
| 31) Carbon tetrachloride       | 4.87 | 117 | 40382  | 0.571 ug/L   | 99     |
| 33) Benzene                    | 5.14 | 78  | 114939 | 0.558 ug/L   | 100    |
| 34) Trichloroethene            | 5.96 | 95  | 31130  | 0.577 ug/L   | 97     |
| 35) Methylcyclohexane          | 6.17 | 83  | 38971  | 0.514 ug/L   | 94     |
| 37) 1,2-Dichloropropane        | 6.22 | 63  | 27156  | 0.540 ug/L # | 94     |
| 38) Bromodichloromethane       | 6.55 | 83  | 37564  | 0.579 ug/L   | 99     |
| 39) cis-1,3-Dichloropropene    | 7.07 | 75  | 34077  | 0.531 ug/L   | 100    |
| 40) 4-Methyl-2-pentanone       | 7.27 | 43  | 136793 | 5.265 ug/L   | 97     |

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 Misc : 25.00ML/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD0.536

Manual Integrations  
 APPROVED

MMDadoda  
 10/21/2019 12:06:07 PM

Quant Time: Oct 18 12:06:56 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR101819WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Oct 18 11:59:26 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| -----                          |       |      |          |       |        |          |
| 42) Toluene                    | 7.43  | 91   | 109623   | 0.529 | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene  | 7.69  | 75   | 26875    | 0.536 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane      | 7.88  | 97   | 21106    | 0.594 | ug/L   | 88       |
| 47) Tetrachloroethene          | 8.02  | 164  | 26530    | 0.561 | ug/L   | 98       |
| 48) 2-Hexanone                 | 8.19  | 43   | 98713    | 5.228 | ug/L   | 94       |
| 49) Dibromochloromethane       | 8.29  | 129  | 22833    | 0.549 | ug/L   | 96       |
| 50) 1,2-Dibromoethane          | 8.39  | 107  | 17405    | 0.551 | ug/L # | 99       |
| 51) Chlorobenzene              | 8.92  | 112  | 75874    | 0.557 | ug/L   | 99       |
| 52) Ethylbenzene               | 9.05  | 91   | 110578   | 0.531 | ug/L   | 98       |
| 53) m,p-xylene                 | 9.18  | 106  | 38687    | 0.504 | ug/L   | 96       |
| 54) o-xylene                   | 9.58  | 106  | 39132    | 0.519 | ug/L   | 92       |
| 55) Styrene                    | 9.60  | 104  | 63081    | 0.512 | ug/L   | 94       |
| 56) Isopropylbenzene           | 9.97  | 105  | 100401   | 0.511 | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.28 | 83   | 22802    | 0.554 | ug/L   | 95       |
| 59) 1,2,3-Trichloropropane     | 10.32 | 75   | 17312    | 0.587 | ug/L   | 100      |
| 61) Bromoform                  | 9.77  | 173  | 13320    | 0.583 | ug/L   | 97       |
| 62) 1,3-Dichlorobenzene        | 11.22 | 146  | 54535    | 0.564 | ug/L   | 99       |
| 63) 1,4-Dichlorobenzene        | 11.32 | 146  | 54811    | 0.567 | ug/L   | 99       |
| 65) 1,2-Dichlorobenzene        | 11.68 | 146  | 53568    | 0.575 | ug/L   | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75   | 3801     | 0.615 | ug/L   | 81       |
| 67) 1,3,5-Trichlorobenzene     | 12.69 | 180  | 40164    | 0.571 | ug/L   | 98       |
| 68) 1,2,4-trichlorobenzene     | 13.31 | 180  | 34929    | 0.583 | ug/L   | 97       |
| 69) Naphthalene                | 13.55 | 128  | 54051    | 0.609 | ug/L   | 97       |
| 70) 1,2,3-Trichlorobenzene     | 13.79 | 180  | 38711    | 0.633 | ug/L   | 99       |
| -----                          |       |      |          |       |        |          |

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

