

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092820\  
 Data File : VX018617.D  
 Acq On : 28 Sep 2020 13:28  
 Operator : JC/SP  
 Sample : VSTD0.563  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Sep 29 00:36:58 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR092820WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Sep 29 00:09:07 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.83  | 114  | 250045   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.10 | 117  | 233864   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 114041   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |      |      |
|--------------------------------|-------|-----|-------|------|------|------|
| 4) Vinyl Chloride-d3           | 1.39  | 65  | 6825  | 0.52 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.70  | 69  | 5800  | 0.53 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.35  | 63  | 14529 | 0.50 | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.57  | 46  | 14811 | 4.44 | ug/L | 0.02 |
| 24) Chloroform-d               | 5.14  | 84  | 15363 | 0.50 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 6.04  | 65  | 10284 | 0.57 | ug/L | 0.00 |
| 32) Benzene-d6                 | 6.05  | 84  | 25625 | 0.47 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 7.37  | 67  | 7916  | 0.48 | ug/L | 0.00 |
| 41) Toluene-d8                 | 8.70  | 98  | 27428 | 0.51 | ug/L | 0.00 |
| 45) trans-1,3-Dichloropropene- | 8.99  | 79  | 3684  | 0.50 | ug/L | 0.00 |
| 48) 2-Hexanone-d5              | 9.43  | 63  | 10733 | 4.10 | ug/L | 0.00 |
| 59) 1,1,2,2-Tetrachloroethane- | 11.23 | 84  | 6230  | 0.51 | ug/L | 0.00 |
| 65) 1,2-Dichlorobenzene-d4     | 12.36 | 152 | 9633  | 0.52 | ug/L | 0.00 |

## Target Compounds

|                                |      |     |       |              | Qvalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.18 | 85  | 7350  | 0.486 ug/L   | 99     |
| 3) Chloromethane               | 1.31 | 50  | 6756  | 0.523 ug/L   | 85     |
| 5) Vinyl chloride              | 1.39 | 62  | 6970  | 0.515 ug/L   | 98     |
| 6) Bromomethane                | 1.64 | 94  | 4926  | 0.609 ug/L   | 89     |
| 8) Chloroethane                | 1.72 | 64  | 3124m | 0.411 ug/L   |        |
| 9) Trichlorofluoromethane      | 1.92 | 101 | 11166 | 0.476 ug/L   | 98     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.37 | 101 | 6643  | 0.516 ug/L   | 99     |
| 12) 1,1-Dichloroethene         | 2.36 | 96  | 6360  | 0.521 ug/L   | 88     |
| 13) Acetone                    | 2.46 | 43  | 7825  | 4.237 ug/L   | 89     |
| 14) Carbon disulfide           | 2.55 | 76  | 19102 | 0.515 ug/L   | 97     |
| 15) Methyl Acetate             | 2.78 | 43  | 2654  | 0.519 ug/L # | 83     |
| 16) Methylene chloride         | 2.84 | 84  | 10552 | 0.633 ug/L   | 98     |
| 17) Methyl tert-butyl Ether    | 3.17 | 73  | 13308 | 0.490 ug/L   | 95     |
| 18) trans-1,2-Dichloroethene   | 3.14 | 96  | 6256  | 0.513 ug/L   | 93     |
| 19) 1,1-Dichloroethane         | 3.68 | 63  | 10604 | 0.485 ug/L   | 95     |
| 21) 2-Butanone                 | 4.68 | 43  | 12942 | 4.415 ug/L # | 58     |
| 22) cis-1,2-Dichloroethene     | 4.57 | 96  | 6580  | 0.517 ug/L # | 66     |
| 23) Bromochloromethane         | 4.98 | 128 | 3127  | 0.512 ug/L # | 85     |
| 25) Chloroform                 | 5.18 | 83  | 12151 | 0.508 ug/L   | 89     |
| 27) 1,2-Dichloroethane         | 6.15 | 62  | 7040  | 0.465 ug/L # | 81     |
| 29) 1,1,1-Trichloroethane      | 5.46 | 97  | 10551 | 0.474 ug/L # | 93     |
| 30) Cyclohexane                | 5.55 | 56  | 8394  | 0.474 ug/L   | 96     |
| 31) Carbon tetrachloride       | 5.75 | 117 | 9789  | 0.477 ug/L   | 99     |
| 33) Benzene                    | 6.12 | 78  | 20789 | 0.461 ug/L   | 100    |
| 34) Trichloroethene            | 7.19 | 95  | 6378  | 0.489 ug/L # | 89     |
| 35) Methylcyclohexane          | 7.44 | 83  | 8369  | 0.461 ug/L   | 96     |
| 37) 1,2-Dichloropropane        | 7.49 | 63  | 6223  | 0.517 ug/L # | 86     |
| 38) Bromodichloromethane       | 7.88 | 83  | 7781  | 0.479 ug/L   | 86     |
| 39) cis-1,3-Dichloropropene    | 8.42 | 75  | 7947  | 0.466 ug/L   | 97     |
| 40) 4-Methyl-2-pentanone       | 8.62 | 43  | 29025 | 4.353 ug/L   | 99     |

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 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Sep 29 00:09:07 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| -----                          |       |      |          |       |        |          |
| 42) Toluene                    | 8.77  | 91   | 22149    | 0.455 | ug/L   | 89       |
| 43) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 16086    | 0.378 | ug/L   | 98       |
| 44) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 15924    | 0.374 | ug/L   | 99       |
| 46) trans-1,3-Dichloropropene  | 9.02  | 75   | 7245     | 0.466 | ug/L   | 94       |
| 47) 1,1,2-Trichloroethane      | 9.20  | 97   | 4649     | 0.538 | ug/L   | 89       |
| 49) Tetrachloroethene          | 9.32  | 164  | 4843     | 0.471 | ug/L   | 90       |
| 50) 2-Hexanone                 | 9.48  | 43   | 19093    | 4.045 | ug/L   | 97       |
| 51) Dibromochloromethane       | 9.56  | 129  | 5374     | 0.476 | ug/L   | 93       |
| 52) 1,2-Dibromoethane          | 9.65  | 107  | 3805     | 0.473 | ug/L # | 86       |
| 53) Chlorobenzene              | 10.12 | 112  | 15243    | 0.474 | ug/L # | 87       |
| 54) Ethylbenzene               | 10.24 | 91   | 23019    | 0.434 | ug/L   | 98       |
| 55) m,p-xylene                 | 10.34 | 106  | 8970     | 0.442 | ug/L   | 91       |
| 56) o-xylene                   | 10.68 | 106  | 7961     | 0.415 | ug/L   | 98       |
| 57) Styrene                    | 10.70 | 104  | 12421    | 0.393 | ug/L   | 95       |
| 58) Isopropylbenzene           | 11.00 | 105  | 20507    | 0.399 | ug/L   | 97       |
| 60) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 4558     | 0.467 | ug/L # | 92       |
| 62) Bromoform                  | 10.85 | 173  | 2610     | 0.430 | ug/L # | 79       |
| 63) 1,3-Dichlorobenzene        | 12.01 | 146  | 11458    | 0.462 | ug/L   | 92       |
| 64) 1,4-Dichlorobenzene        | 12.08 | 146  | 11952    | 0.477 | ug/L   | 92       |
| 66) 1,2-Dichlorobenzene        | 12.38 | 146  | 10935    | 0.473 | ug/L # | 80       |
| 67) 1,2-Dibromo-3-chloropropan | 12.98 | 75   | 995      | 0.507 | ug/L   | 94       |
| 68) 1,3,5-Trichlorobenzene     | 13.15 | 180  | 8696     | 0.467 | ug/L   | 97       |
| 69) 1,2,4-trichlorobenzene     | 13.63 | 180  | 6707     | 0.440 | ug/L   | 93       |
| 70) Naphthalene                | 13.82 | 128  | 11267    | 0.437 | ug/L # | 95       |
| 71) 1,2,3-Trichlorobenzene     | 14.00 | 180  | 6045     | 0.438 | ug/L   | 96       |
| -----                          |       |      |          |       |        |          |

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

