

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061720\  
 Data File : VV016957.D  
 Acq On : 17 Jun 2020 10:44  
 Operator : SY/MD  
 Sample : VSTD01031  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD01031

Quant Time: Jun 18 00:56:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Jun 18 00:53:45 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 203808   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 189672   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 102852   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |        |      |      |
|--------------------------------|-------|-----|--------|--------|------|------|
| 4) Vinyl Chloride-d3           | 1.32  | 65  | 129611 | 7.77   | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.58  | 69  | 89669  | 7.09   | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.13  | 63  | 233694 | 7.93   | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 3.91  | 46  | 335055 | 90.87  | ug/L | 0.00 |
| 24) Chloroform-d               | 4.38  | 84  | 269195 | 9.26   | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.06  | 65  | 147107 | 9.68   | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.07  | 84  | 524660 | 9.96   | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.09  | 67  | 152391 | 9.39   | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.34  | 98  | 496417 | 10.24  | ug/L | 0.00 |
| 45) trans-1,3-Dichloropropene- | 7.64  | 79  | 65748  | 11.06  | ug/L | 0.00 |
| 48) 2-Hexanone-d5              | 8.11  | 63  | 275118 | 101.99 | ug/L | 0.00 |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24 | 84  | 108156 | 9.56   | ug/L | 0.00 |
| 65) 1,2-Dichlorobenzene-d4     | 11.65 | 152 | 190768 | 10.05  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |        | Qvalue    |
|--------------------------------|------|-----|--------|--------|-----------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 156165 | 9.515  | ug/L 100  |
| 3) Chloromethane               | 1.25 | 50  | 131251 | 6.878  | ug/L 99   |
| 5) Vinyl chloride              | 1.32 | 62  | 130042 | 7.638  | ug/L 96   |
| 6) Bromomethane                | 1.53 | 94  | 74119  | 7.690  | ug/L 95   |
| 8) Chloroethane                | 1.60 | 64  | 65827  | 6.527  | ug/L 99   |
| 9) Trichlorofluoromethane      | 1.77 | 101 | 212539 | 8.922  | ug/L 98   |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 105323 | 8.053  | ug/L 100  |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 95011  | 7.666  | ug/L 91   |
| 13) Acetone                    | 2.19 | 43  | 153987 | 63.086 | ug/L 98   |
| 14) Carbon disulfide           | 2.31 | 76  | 284899 | 7.617  | ug/L 100  |
| 15) Methyl Acetate             | 2.45 | 43  | 37475  | 6.191  | ug/L 99   |
| 16) Methylene chloride         | 2.52 | 84  | 92996  | 7.050  | ug/L 99   |
| 17) Methyl tert-butyl Ether    | 2.79 | 73  | 243691 | 8.328  | ug/L 99   |
| 18) trans-1,2-Dichloroethene   | 2.78 | 96  | 99468  | 7.602  | ug/L 97   |
| 19) 1,1-Dichloroethane         | 3.21 | 63  | 225133 | 8.542  | ug/L 99   |
| 21) 2-Butanone                 | 4.00 | 43  | 305067 | 84.316 | ug/L 99   |
| 22) cis-1,2-Dichloroethene     | 3.94 | 96  | 136135 | 9.050  | ug/L # 97 |
| 23) Bromochloromethane         | 4.27 | 128 | 60395  | 10.143 | ug/L 99   |
| 25) Chloroform                 | 4.40 | 83  | 254822 | 9.469  | ug/L 99   |
| 27) 1,2-Dichloroethane         | 5.16 | 62  | 154892 | 8.884  | ug/L 98   |
| 29) 1,1,1-Trichloroethane      | 4.63 | 97  | 228904 | 10.301 | ug/L 98   |
| 30) Cyclohexane                | 4.70 | 56  | 216510 | 9.307  | ug/L 99   |
| 31) Carbon tetrachloride       | 4.85 | 117 | 206220 | 10.738 | ug/L 100  |
| 33) Benzene                    | 5.12 | 78  | 505833 | 9.268  | ug/L 100  |
| 34) Trichloroethene            | 5.94 | 95  | 140812 | 9.686  | ug/L 97   |
| 35) Methylcyclohexane          | 6.15 | 83  | 225968 | 9.679  | ug/L 98   |
| 37) 1,2-Dichloropropane        | 6.20 | 63  | 123977 | 9.103  | ug/L 98   |
| 38) Bromodichloromethane       | 6.53 | 83  | 166953 | 9.933  | ug/L 95   |
| 39) cis-1,3-Dichloropropene    | 7.05 | 75  | 191565 | 10.316 | ug/L 99   |
| 40) 4-Methyl-2-pentanone       | 7.25 | 43  | 741357 | 90.276 | ug/L 99   |

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 QLast Update : Thu Jun 18 00:53:45 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) Toluene                    | 7.41  | 91   | 557273   | 9.569  | ug/L  | 96       |
| 43) 1,3,5-Trimethylbenzene     | 10.56 | 105  | 550293   | 10.579 | ug/L  | 100      |
| 44) 1,2,4-Trimethylbenzene     | 10.94 | 105  | 559595   | 10.506 | ug/L  | 98       |
| 46) trans-1,3-Dichloropropene  | 7.67  | 75   | 165715   | 10.796 | ug/L  | 99       |
| 47) 1,1,2-Trichloroethane      | 7.86  | 97   | 87306    | 9.760  | ug/L  | 97       |
| 49) Tetrachloroethene          | 8.00  | 164  | 114912   | 10.492 | ug/L  | 99       |
| 50) 2-Hexanone                 | 8.16  | 43   | 527413   | 91.982 | ug/L  | 99       |
| 51) Dibromochloromethane       | 8.27  | 129  | 107798   | 11.106 | ug/L  | 98       |
| 52) 1,2-Dibromoethane          | 8.37  | 107  | 82881    | 9.827  | ug/L  | 92       |
| 53) Chlorobenzene              | 8.90  | 112  | 354205   | 9.586  | ug/L  | 98       |
| 54) Ethylbenzene               | 9.03  | 91   | 634829   | 9.839  | ug/L  | 99       |
| 55) m,p-xylene                 | 9.16  | 106  | 242116   | 9.985  | ug/L  | 98       |
| 56) o-xylene                   | 9.56  | 106  | 231628   | 10.159 | ug/L  | 99       |
| 57) Styrene                    | 9.58  | 104  | 394614   | 10.195 | ug/L  | 96       |
| 58) Isopropylbenzene           | 9.95  | 105  | 649216   | 10.377 | ug/L  | 99       |
| 60) 1,1,2,2-Tetrachloroethane  | 10.26 | 83   | 96265    | 8.777  | ug/L  | 97       |
| 62) Bromoform                  | 9.75  | 173  | 54927    | 12.084 | ug/L  | 100      |
| 63) 1,3-Dichlorobenzene        | 11.20 | 146  | 304137   | 9.739  | ug/L  | 99       |
| 64) 1,4-Dichlorobenzene        | 11.30 | 146  | 305935   | 9.469  | ug/L  | 99       |
| 66) 1,2-Dichlorobenzene        | 11.67 | 146  | 278047   | 9.534  | ug/L  | 99       |
| 67) 1,2-Dibromo-3-chloropropan | 12.45 | 75   | 16524    | 9.037  | ug/L  | 94       |
| 68) 1,3,5-Trichlorobenzene     | 12.67 | 180  | 246619   | 10.700 | ug/L  | 99       |
| 69) 1,2,4-trichlorobenzene     | 13.28 | 180  | 206453   | 10.479 | ug/L  | 99       |
| 70) Naphthalene                | 13.52 | 128  | 307294   | 6.832  | ug/L  | 100      |
| 71) 1,2,3-Trichlorobenzene     | 13.77 | 180  | 170799   | 9.901  | ug/L  | 99       |

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

