

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101518\  
 Data File : VV008273.D  
 Acq On : 15 Oct 2018 12:54  
 Operator : SY/MD  
 Sample : VSTD02074  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD02074

Quant Time: Oct 16 04:42:10 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR101518WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Oct 16 04:38:02 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 128985   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 117022   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 52591    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |        |      |      |
|--------------------------------|-------|-----|--------|--------|------|------|
| 4) Vinyl Chloride-d3           | 1.32  | 65  | 152693 | 19.52  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.59  | 69  | 108141 | 16.84  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.13  | 63  | 283536 | 18.67  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 3.97  | 46  | 492906 | 242.62 | ug/L | 0.00 |
| 24) Chloroform-d               | 4.41  | 84  | 329497 | 20.27  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.09  | 65  | 165129 | 20.16  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.10  | 84  | 704758 | 22.92  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.12  | 67  | 236336 | 23.70  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.36  | 98  | 649742 | 22.14  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.67  | 79  | 92951  | 26.28  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.14  | 63  | 386519 | 280.92 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84  | 156631 | 22.88  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.68 | 152 | 197669 | 19.60  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |         |         | Qvalue    |
|--------------------------------|------|-----|---------|---------|-----------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 198010  | 22.483  | ug/L 99   |
| 3) Chloromethane               | 1.25 | 50  | 196911  | 25.152  | ug/L 98   |
| 5) Vinyl chloride              | 1.33 | 62  | 193617  | 23.008  | ug/L 99   |
| 6) Bromomethane                | 1.54 | 94  | 105423  | 25.428  | ug/L 100  |
| 8) Chloroethane                | 1.60 | 64  | 96498   | 17.846  | ug/L 99   |
| 9) Trichlorofluoromethane      | 1.77 | 101 | 218216  | 16.048  | ug/L 100  |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 135198  | 16.944  | ug/L 98   |
| 12) 1,1-Dichloroethene         | 2.14 | 96  | 124195  | 18.294  | ug/L 98   |
| 13) Acetone                    | 2.22 | 43  | 251006  | 191.530 | ug/L 95   |
| 14) Carbon disulfide           | 2.32 | 76  | 422028  | 22.924  | ug/L 100  |
| 15) Methyl Acetate             | 2.47 | 43  | 57488   | 18.768  | ug/L 95   |
| 16) Methylene chloride         | 2.54 | 84  | 123725  | 15.066  | ug/L 97   |
| 17) Methyl tert-butyl Ether    | 2.81 | 73  | 334413  | 19.047  | ug/L 99   |
| 18) trans-1,2-Dichloroethene   | 2.79 | 96  | 130891  | 17.653  | ug/L 98   |
| 19) 1,1-Dichloroethane         | 3.23 | 63  | 303022  | 21.333  | ug/L 97   |
| 21) 2-Butanone                 | 4.06 | 43  | 547588  | 242.350 | ug/L 98   |
| 22) cis-1,2-Dichloroethene     | 3.96 | 96  | 204098  | 22.806  | ug/L # 96 |
| 23) Bromochloromethane         | 4.30 | 128 | 78514   | 20.128  | ug/L 96   |
| 25) Chloroform                 | 4.43 | 83  | 334636  | 21.039  | ug/L 96   |
| 27) 1,2-Dichloroethane         | 5.19 | 62  | 205538  | 21.963  | ug/L 99   |
| 29) 1,1,1-Trichloroethane      | 4.66 | 97  | 291054  | 22.045  | ug/L 99   |
| 30) Cyclohexane                | 4.72 | 56  | 374350  | 30.459  | ug/L 98   |
| 31) Carbon tetrachloride       | 4.87 | 117 | 248800  | 21.202  | ug/L 99   |
| 33) Benzene                    | 5.15 | 78  | 795751  | 25.391  | ug/L 100  |
| 34) Trichloroethene            | 5.96 | 95  | 210493  | 23.104  | ug/L 99   |
| 35) Methylcyclohexane          | 6.18 | 83  | 380290  | 28.670  | ug/L 99   |
| 37) 1,2-Dichloropropane        | 6.23 | 63  | 210226  | 24.568  | ug/L 99   |
| 38) Bromodichloromethane       | 6.56 | 83  | 245119  | 23.849  | ug/L 99   |
| 39) cis-1,3-Dichloropropene    | 7.07 | 75  | 314935  | 28.173  | ug/L 99   |
| 40) 4-Methyl-2-pentanone       | 7.28 | 43  | 1251208 | 252.167 | ug/L 99   |

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| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| -----                          |       |      |          |         |        |          |
| 42) Toluene                    | 7.43  | 91   | 835220   | 25.377  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene  | 7.70  | 75   | 251379   | 27.859  | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane      | 7.89  | 97   | 131065   | 22.665  | ug/L   | 99       |
| 47) Tetrachloroethene          | 8.02  | 164  | 140928   | 18.762  | ug/L   | 95       |
| 48) 2-Hexanone                 | 8.19  | 43   | 929958   | 270.648 | ug/L   | 98       |
| 49) Dibromochloromethane       | 8.29  | 129  | 157652   | 22.186  | ug/L   | 99       |
| 50) 1,2-Dibromoethane          | 8.40  | 107  | 124365   | 23.529  | ug/L # | 94       |
| 51) Chlorobenzene              | 8.93  | 112  | 507960   | 22.733  | ug/L   | 98       |
| 52) Ethylbenzene               | 9.06  | 91   | 939811   | 26.064  | ug/L   | 100      |
| 53) m,p-xylene                 | 9.18  | 106  | 343711   | 25.341  | ug/L   | 97       |
| 54) o-xylene                   | 9.59  | 106  | 335855   | 25.758  | ug/L   | 99       |
| 55) Styrene                    | 9.60  | 104  | 556689   | 25.575  | ug/L   | 97       |
| 56) Isopropylbenzene           | 9.98  | 105  | 899546   | 25.477  | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.29 | 83   | 155142   | 22.976  | ug/L   | 98       |
| 59) 1,2,3-Trichloropropane     | 10.32 | 75   | 119992   | 24.365  | ug/L   | 96       |
| 61) Bromoform                  | 9.78  | 173  | 80109    | 23.792  | ug/L   | 99       |
| 62) 1,3-Dichlorobenzene        | 11.23 | 146  | 364164   | 22.529  | ug/L   | 96       |
| 63) 1,4-Dichlorobenzene        | 11.32 | 146  | 354314   | 21.866  | ug/L   | 99       |
| 65) 1,2-Dichlorobenzene        | 11.69 | 146  | 331084   | 21.277  | ug/L   | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75   | 25972    | 29.607  | ug/L   | 92       |
| 67) 1,3,5-Trichlorobenzene     | 12.70 | 180  | 250450   | 19.189  | ug/L   | 99       |
| 68) 1,2,4-trichlorobenzene     | 13.32 | 180  | 203061   | 21.198  | ug/L   | 99       |
| 69) Naphthalene                | 13.56 | 128  | 360751   | 27.224  | ug/L   | 100      |
| 70) 1,2,3-Trichlorobenzene     | 13.80 | 180  | 184591   | 20.137  | ug/L   | 100      |
| -----                          |       |      |          |         |        |          |

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

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