

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081420\  
 Data File : VX017910.D  
 Acq On : 14 Aug 2020 20:06  
 Operator : JC/SP  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD00575

Quant Time: Aug 17 01:33:01 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR080720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Aug 17 01:26:51 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.83  | 114  | 294078   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.10 | 117  | 273074   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 139268   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 96440    | 4.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 94.80%  |
| 7) Chloroethane-d5             | 1.69   | 69    | 78862    | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 97.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.34   | 63    | 204655   | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 97.80%  |
| 20) 2-Butanone-d5              | 4.53   | 46    | 282749   | 52.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 104.78% |
| 24) Chloroform-d               | 5.14   | 84    | 213696   | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.60% |
| 26) 1,2-Dichloroethane-d4      | 6.03   | 65    | 115686   | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.20% |
| 32) Benzene-d6                 | 6.05   | 84    | 393421   | 5.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.00% |
| 36) 1,2-Dichloropropane-d6     | 7.37   | 67    | 122913   | 5.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 106.00% |
| 41) Toluene-d8                 | 8.70   | 98    | 365759   | 5.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.40% |
| 45) trans-1,3-Dichloropropene- | 8.99   | 79    | 51427    | 5.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 102.60% |
| 48) 2-Hexanone-d5              | 9.43   | 63    | 233518   | 55.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 111.98% |
| 59) 1,1,2,2-Tetrachloroethane- | 11.23  | 84    | 96636    | 5.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 109.80% |
| 65) 1,2-Dichlorobenzene-d4     | 12.36  | 152   | 144343   | 5.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 107.60% |

## Target Compounds

|                                |      |     |        |              | Ovalue |
|--------------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.18 | 85  | 139266 | 4.073 ug/L   | 99     |
| 3) Chloromethane               | 1.31 | 50  | 130853 | 4.686 ug/L   | 100    |
| 5) Vinyl chloride              | 1.39 | 62  | 129758 | 4.685 ug/L   | 95     |
| 6) Bromomethane                | 1.63 | 94  | 73740  | 4.575 ug/L   | 99     |
| 8) Chloroethane                | 1.71 | 64  | 73876  | 4.769 ug/L   | 98     |
| 9) Trichlorofluoromethane      | 1.92 | 101 | 200618 | 4.501 ug/L   | 100    |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.36 | 101 | 115887 | 4.764 ug/L   | 99     |
| 12) 1,1-Dichloroethene         | 2.36 | 96  | 112428 | 4.988 ug/L   | 92     |
| 13) Acetone                    | 2.42 | 43  | 183907 | 46.643 ug/L  | 100    |
| 14) Carbon disulfide           | 2.55 | 76  | 326904 | 4.038 ug/L   | 98     |
| 15) Methyl Acetate             | 2.75 | 43  | 47917  | 4.122 ug/L   | 97     |
| 16) Methylene chloride         | 2.83 | 84  | 126304 | 4.057 ug/L   | 94     |
| 17) Methyl tert-butyl Ether    | 3.17 | 73  | 278019 | 4.606 ug/L   | 98     |
| 18) trans-1,2-Dichloroethene   | 3.14 | 96  | 113900 | 4.453 ug/L   | 98     |
| 19) 1,1-Dichloroethane         | 3.67 | 63  | 223982 | 4.909 ug/L   | 97     |
| 21) 2-Butanone                 | 4.64 | 43  | 312928 | 45.952 ug/L  | 98     |
| 22) cis-1,2-Dichloroethene     | 4.56 | 96  | 128026 | 4.770 ug/L # | 93     |

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 23) Bromochloromethane         | 4.98  | 128  | 61309    | 4.881  | ug/L  | 97       |
| 25) Chloroform                 | 5.18  | 83   | 237291   | 4.829  | ug/L  | 96       |
| 27) 1,2-Dichloroethane         | 6.16  | 62   | 144478   | 4.584  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane      | 5.46  | 97   | 215188   | 4.803  | ug/L  | 99       |
| 30) Cyclohexane                | 5.55  | 56   | 160463   | 4.128  | ug/L  | 99       |
| 31) Carbon tetrachloride       | 5.76  | 117  | 193835   | 4.695  | ug/L  | 100      |
| 33) Benzene                    | 6.11  | 78   | 480282   | 4.968  | ug/L  | 100      |
| 34) Trichloroethene            | 7.19  | 95   | 126002   | 4.465  | ug/L  | 97       |
| 35) Methylcyclohexane          | 7.44  | 83   | 164705   | 4.152  | ug/L  | 99       |
| 37) 1,2-Dichloropropane        | 7.49  | 63   | 125828   | 5.176  | ug/L  | 99       |
| 38) Bromodichloromethane       | 7.87  | 83   | 168959   | 4.989  | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene    | 8.42  | 75   | 169256   | 4.522  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone       | 8.62  | 43   | 758117   | 47.897 | ug/L  | 99       |
| 42) Toluene                    | 8.77  | 91   | 504788   | 4.810  | ug/L  | 94       |
| 43) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 431130   | 4.501  | ug/L  | 100      |
| 44) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 445735   | 4.569  | ug/L  | 98       |
| 46) trans-1,3-Dichloropropene  | 9.02  | 75   | 154062   | 4.615  | ug/L  | 95       |
| 47) 1,1,2-Trichloroethane      | 9.20  | 97   | 93726    | 5.138  | ug/L  | 98       |
| 49) Tetrachloroethene          | 9.32  | 164  | 100742   | 4.462  | ug/L  | 91       |
| 50) 2-Hexanone                 | 9.48  | 43   | 539390   | 47.543 | ug/L  | 100      |
| 51) Dibromochloromethane       | 9.57  | 129  | 121123   | 4.820  | ug/L  | 99       |
| 52) 1,2-Dibromoethane          | 9.65  | 107  | 86495    | 4.844  | ug/L  | 98       |
| 53) Chlorobenzene              | 10.12 | 112  | 327766   | 4.798  | ug/L  | 99       |
| 54) Ethylbenzene               | 10.24 | 91   | 530724   | 4.634  | ug/L  | 99       |
| 55) m,p-xylene                 | 10.34 | 106  | 203748   | 4.659  | ug/L  | 100      |
| 56) o-xylene                   | 10.68 | 106  | 199988   | 4.717  | ug/L  | 96       |
| 57) Styrene                    | 10.70 | 104  | 345033   | 4.812  | ug/L  | 99       |
| 58) Isopropylbenzene           | 11.01 | 105  | 522017   | 4.600  | ug/L  | 99       |
| 60) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 104542   | 5.218  | ug/L  | 95       |
| 62) Bromoform                  | 10.84 | 173  | 72190    | 5.183  | ug/L  | 98       |
| 63) 1,3-Dichlorobenzene        | 12.01 | 146  | 257551   | 4.748  | ug/L  | 95       |
| 64) 1,4-Dichlorobenzene        | 12.08 | 146  | 265405   | 4.919  | ug/L  | 95       |
| 66) 1,2-Dichlorobenzene        | 12.38 | 146  | 248932   | 4.941  | ug/L  | 95       |
| 67) 1,2-Dibromo-3-chloropropan | 12.98 | 75   | 20189    | 4.613  | ug/L  | 95       |
| 68) 1,3,5-Trichlorobenzene     | 13.15 | 180  | 187515   | 4.681  | ug/L  | 96       |
| 69) 1,2,4-trichlorobenzene     | 13.63 | 180  | 157797   | 4.450  | ug/L  | 98       |
| 70) Naphthalene                | 13.82 | 128  | 294126   | 4.515  | ug/L  | 99       |
| 71) 1,2,3-Trichlorobenzene     | 14.01 | 180  | 156637   | 4.695  | ug/L  | 98       |

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

