

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072120\  
 Data File : VX017455.D  
 Acq On : 21 Jul 2020 15:10  
 Operator : JC/SP  
 Sample : MDL01  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL01

Manual Integrations  
 APPROVED

MMDadoda  
 7/22/2020 9:10:54 AM

Quant Time: Jul 22 06:40:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR072120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Jul 22 06:14:00 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.83  | 114  | 409553   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.10 | 117  | 392008   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 179912   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 142466   | 4.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 89.40%  |
| 7) Chloroethane-d5             | 1.69   | 69    | 103597   | 4.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 94.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.34   | 63    | 210865   | 3.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 69.00%  |
| 20) 2-Butanone-d5              | 4.53   | 46    | 294982   | 49.57    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 99.14%  |
| 24) Chloroform-d               | 5.14   | 84    | 255513   | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.20%  |
| 26) 1,2-Dichloroethane-d4      | 6.03   | 65    | 142411   | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.40%  |
| 32) Benzene-d6                 | 6.04   | 84    | 503369   | 5.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 104.60% |
| 36) 1,2-Dichloropropane-d6     | 7.37   | 67    | 153803   | 5.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 108.80% |
| 41) Toluene-d8                 | 8.70   | 98    | 460732   | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.20%  |
| 45) trans-1,3-Dichloropropene- | 8.99   | 79    | 62322    | 5.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 100.40% |
| 48) 2-Hexanone-d5              | 9.43   | 63    | 218465   | 49.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 99.30%  |
| 59) 1,1,2,2-Tetrachloroethane- | 11.23  | 84    | 99388    | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 90.00%  |
| 65) 1,2-Dichlorobenzene-d4     | 12.36  | 152   | 168716   | 5.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 110.80% |

## Target Compounds

| Target Compounds               | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|--------------------------------|------|------|----------|-------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.18 | 85   | 9374     | 0.208 | ug/L   | 91     |
| 3) Chloromethane               | 1.31 | 50   | 8578     | 0.205 | ug/L   | 97     |
| 5) Vinyl chloride              | 1.39 | 62   | 8157m    | 0.204 | ug/L   |        |
| 6) Bromomethane                | 1.63 | 94   | 5941     | 0.274 | ug/L   | 92     |
| 8) Chloroethane                | 1.72 | 64   | 4028m    | 0.184 | ug/L   |        |
| 9) Trichlorofluoromethane      | 1.92 | 101  | 9832     | 0.171 | ug/L # | 82     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.36 | 101  | 6882     | 0.221 | ug/L   | 91     |
| 12) 1,1-Dichloroethene         | 2.35 | 96   | 7872     | 0.272 | ug/L # | 1      |
| 13) Acetone                    | 2.42 | 43   | 9616     | 2.003 | ug/L   | 93     |
| 14) Carbon disulfide           | 2.55 | 76   | 19900    | 0.202 | ug/L   | 95     |
| 15) Methyl Acetate             | 2.75 | 43   | 3996     | 0.286 | ug/L   | 98     |
| 16) Methylene chloride         | 2.83 | 84   | 13737    | 0.345 | ug/L   | 90     |
| 17) Methyl tert-butyl Ether    | 3.17 | 73   | 11899    | 0.172 | ug/L # | 80     |
| 18) trans-1,2-Dichloroethene   | 3.14 | 96   | 6252     | 0.203 | ug/L   | 95     |
| 19) 1,1-Dichloroethane         | 3.66 | 63   | 9906     | 0.182 | ug/L # | 90     |
| 21) 2-Butanone                 | 4.64 | 43   | 14345    | 1.875 | ug/L   | 85     |
| 22) cis-1,2-Dichloroethene     | 4.56 | 96   | 7865     | 0.258 | ug/L   | 99     |

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 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL01

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 7/22/2020 9:10:54 AM

Quant Time: Jul 22 06:40:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR072120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Jul 22 06:14:00 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| -----                          |       |      |          |       |        |          |
| 23) Bromochloromethane         | 4.98  | 128  | 3592     | 0.244 | ug/L # | 77       |
| 25) Chloroform                 | 5.17  | 83   | 17974    | 0.315 | ug/L   | 90       |
| 27) 1,2-Dichloroethane         | 6.18  | 62   | 7972     | 0.217 | ug/L # | 90       |
| 29) 1,1,1-Trichloroethane      | 5.46  | 97   | 10825    | 0.206 | ug/L   | 95       |
| 30) Cyclohexane                | 5.56  | 56   | 7879     | 0.185 | ug/L   | 97       |
| 31) Carbon tetrachloride       | 5.76  | 117  | 9331     | 0.197 | ug/L   | 99       |
| 33) Benzene                    | 6.12  | 78   | 22836    | 0.198 | ug/L   | 100      |
| 34) Trichloroethene            | 7.18  | 95   | 6595     | 0.212 | ug/L   | 92       |
| 35) Methylcyclohexane          | 7.43  | 83   | 7240     | 0.172 | ug/L   | 88       |
| 37) 1,2-Dichloropropane        | 7.49  | 63   | 6548     | 0.226 | ug/L # | 97       |
| 38) Bromodichloromethane       | 7.88  | 83   | 8016     | 0.206 | ug/L # | 84       |
| 39) cis-1,3-Dichloropropene    | 8.42  | 75   | 6981     | 0.167 | ug/L   | 89       |
| 40) 4-Methyl-2-pentanone       | 8.62  | 43   | 29446    | 1.735 | ug/L # | 93       |
| 42) Toluene                    | 8.76  | 91   | 22492    | 0.194 | ug/L   | 94       |
| 43) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 16052    | 0.149 | ug/L   | 97       |
| 44) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 16041    | 0.150 | ug/L   | 98       |
| 46) trans-1,3-Dichloropropene  | 9.02  | 75   | 7384m    | 0.204 | ug/L   |          |
| 47) 1,1,2-Trichloroethane      | 9.20  | 97   | 4407     | 0.222 | ug/L   | 94       |
| 49) Tetrachloroethene          | 9.32  | 164  | 4740     | 0.187 | ug/L   | 80       |
| 50) 2-Hexanone                 | 9.47  | 43   | 21540    | 1.739 | ug/L # | 86       |
| 51) Dibromochloromethane       | 9.56  | 129  | 5295     | 0.194 | ug/L   | 84       |
| 52) 1,2-Dibromoethane          | 9.65  | 107  | 3887     | 0.197 | ug/L # | 93       |
| 53) Chlorobenzene              | 10.12 | 112  | 15722    | 0.200 | ug/L   | 90       |
| 54) Ethylbenzene               | 10.23 | 91   | 22302    | 0.178 | ug/L   | 88       |
| 55) m,p-xylene                 | 10.34 | 106  | 8932     | 0.178 | ug/L   | 93       |
| 56) o-xylene                   | 10.68 | 106  | 8964     | 0.184 | ug/L   | 87       |
| 57) Styrene                    | 10.70 | 104  | 13220    | 0.163 | ug/L   | 91       |
| 58) Isopropylbenzene           | 11.01 | 105  | 20002    | 0.159 | ug/L   | 96       |
| 60) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 4807     | 0.203 | ug/L # | 94       |
| 62) Bromoform                  | 10.84 | 173  | 3056     | 0.212 | ug/L   | 96       |
| 63) 1,3-Dichlorobenzene        | 12.01 | 146  | 12407    | 0.214 | ug/L   | 90       |
| 64) 1,4-Dichlorobenzene        | 12.09 | 146  | 12058    | 0.212 | ug/L   | 88       |
| 66) 1,2-Dichlorobenzene        | 12.37 | 146  | 12041    | 0.224 | ug/L # | 91       |
| 67) 1,2-Dibromo-3-chloropropan | 12.99 | 75   | 1740     | 0.369 | ug/L # | 67       |
| 68) 1,3,5-Trichlorobenzene     | 13.15 | 180  | 10429    | 0.214 | ug/L   | 96       |
| 69) 1,2,4-trichlorobenzene     | 13.63 | 180  | 7067     | 0.198 | ug/L   | 90       |
| 70) Naphthalene                | 13.82 | 128  | 10951    | 0.175 | ug/L # | 91       |
| 71) 1,2,3-Trichlorobenzene     | 14.01 | 180  | 6434     | 0.195 | ug/L # | 95       |
| -----                          |       |      |          |       |        |          |

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

