

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022819\  
 Data File : VV009419.D  
 Acq On : 28 Feb 2019 12:45  
 Operator : SY/MD  
 Sample : VSTDICV005  
 Misc : 25ML/MSVOA V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VICV66

Quant Time: Mar 01 03:47:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR022819WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Mar 01 03:43:24 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 111521   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 108244   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 52141    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 31420    | 5.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 108.00% |
| 7) Chloroethane-d5             | 1.58   | 69    | 26371    | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 100.20% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 77683    | 5.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 105.40% |
| 20) 2-Butanone-d5              | 3.98   | 46    | 64451    | 58.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 116.70% |
| 24) Chloroform-d               | 4.40   | 84    | 63094    | 5.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 110.60% |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 31152    | 5.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 110.80% |
| 32) Benzene-d6                 | 5.10   | 84    | 127518   | 5.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 110.80% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 38921    | 5.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 111.20% |
| 41) Toluene-d8                 | 7.36   | 98    | 127288   | 5.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 108.20% |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 16742    | 5.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 108.00% |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 55719    | 55.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 110.90% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 29972    | 5.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 110.20% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 47406    | 5.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 113.00% |

## Target Compounds

|                                |      |     |        |             | Ovalue |
|--------------------------------|------|-----|--------|-------------|--------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 38375  | 5.599 ug/L  | 98     |
| 3) Chloromethane               | 1.25 | 50  | 37732  | 5.202 ug/L  | 99     |
| 5) Vinyl chloride              | 1.32 | 62  | 40358  | 5.075 ug/L  | 96     |
| 6) Bromomethane                | 1.54 | 94  | 27962  | 5.124 ug/L  | 99     |
| 8) Chloroethane                | 1.60 | 64  | 27884  | 5.269 ug/L  | 95     |
| 9) Trichlorofluoromethane      | 1.77 | 101 | 82371  | 4.880 ug/L  | 100    |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 40912  | 4.977 ug/L  | 99     |
| 12) 1,1-Dichloroethene         | 2.14 | 96  | 37290  | 5.103 ug/L  | 99     |
| 13) Acetone                    | 2.23 | 43  | 56217  | 53.572 ug/L | 98     |
| 14) Carbon disulfide           | 2.32 | 76  | 125888 | 5.249 ug/L  | 99     |
| 15) Methyl Acetate             | 2.48 | 43  | 14252  | 5.202 ug/L  | 96     |
| 16) Methylene chloride         | 2.54 | 84  | 40816  | 5.029 ug/L  | 97     |
| 17) Methyl tert-butyl Ether    | 2.81 | 73  | 95616  | 5.111 ug/L  | 99     |
| 18) trans-1,2-Dichloroethene   | 2.79 | 96  | 40775  | 5.152 ug/L  | 96     |
| 19) 1,1-Dichloroethane         | 3.23 | 63  | 53790  | 5.017 ug/L  | 97     |
| 21) 2-Butanone                 | 4.06 | 43  | 67915  | 51.098 ug/L | 100    |
| 22) cis-1,2-Dichloroethene     | 3.96 | 96  | 38083  | 5.153 ug/L  | 99     |

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 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Mar 01 03:43:24 2019  
 Response via : Initial Calibration

| Internal Standards              | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------------|-------|------|----------|--------|-------|----------|
| 23) Bromochloromethane          | 4.30  | 128  | 15641    | 5.231  | ug/L  | 92       |
| 25) Chloroform                  | 4.43  | 83   | 65269    | 5.070  | ug/L  | 98       |
| 27) 1,2-Dichloroethane          | 5.18  | 62   | 38721    | 5.157  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane       | 4.66  | 97   | 59849    | 4.933  | ug/L  | 99       |
| 30) Cyclohexane                 | 4.72  | 56   | 56259    | 4.790  | ug/L  | 94       |
| 31) Carbon tetrachloride        | 4.87  | 117  | 48419    | 4.834  | ug/L  | 100      |
| 33) Benzene                     | 5.14  | 78   | 140699   | 5.066  | ug/L  | 100      |
| 34) Trichloroethene             | 5.96  | 95   | 39758    | 5.004  | ug/L  | 98       |
| 35) Methylcyclohexane           | 6.17  | 83   | 62183    | 4.767  | ug/L  | 98       |
| 37) 1,2-Dichloropropane         | 6.23  | 63   | 35041    | 5.091  | ug/L  | 99       |
| 38) Bromodichloromethane        | 6.56  | 83   | 48085    | 5.075  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene     | 7.07  | 75   | 55889    | 5.145  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone        | 7.28  | 43   | 186370   | 50.514 | ug/L  | 98       |
| 42) Toluene                     | 7.43  | 91   | 161249   | 5.032  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene   | 7.69  | 75   | 44155    | 5.214  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane       | 7.88  | 97   | 25175    | 5.095  | ug/L  | 97       |
| 47) Tetrachloroethene           | 8.02  | 164  | 30618    | 4.909  | ug/L  | 99       |
| 48) 2-Hexanone                  | 8.19  | 43   | 129469   | 52.371 | ug/L  | 98       |
| 49) Dibromochloromethane        | 8.29  | 129  | 33022    | 5.149  | ug/L  | 94       |
| 50) 1,2-Dibromoethane           | 8.40  | 107  | 24542    | 5.248  | ug/L  | 99       |
| 51) Chlorobenzene               | 8.93  | 112  | 107729   | 5.160  | ug/L  | 99       |
| 52) Ethylbenzene                | 9.06  | 91   | 186244   | 5.100  | ug/L  | 99       |
| 53) m,p-xylene                  | 9.18  | 106  | 72101    | 5.035  | ug/L  | 95       |
| 54) o-xylene                    | 9.59  | 106  | 70623    | 5.072  | ug/L  | 97       |
| 55) Styrene                     | 9.60  | 104  | 117891   | 5.224  | ug/L  | 96       |
| 56) Isopropylbenzene            | 9.98  | 105  | 190389   | 5.147  | ug/L  | 99       |
| 58) 1,1,1,2,2-Tetrachloroethane | 10.29 | 83   | 29560    | 4.991  | ug/L  | 95       |
| 59) 1,2,3-Trichloropropane      | 10.32 | 75   | 20552    | 5.125  | ug/L  | 97       |
| 61) Bromoform                   | 9.78  | 173  | 16342    | 5.013  | ug/L  | 98       |
| 62) 1,3-Dichlorobenzene         | 11.23 | 146  | 85452    | 5.203  | ug/L  | 98       |
| 63) 1,4-Dichlorobenzene         | 11.32 | 146  | 84011    | 5.225  | ug/L  | 97       |
| 65) 1,2-Dichlorobenzene         | 11.69 | 146  | 77434    | 5.209  | ug/L  | 98       |
| 66) 1,2-Dibromo-3-chloropropan  | 12.48 | 75   | 4959     | 5.206  | ug/L  | 98       |
| 67) 1,3,5-Trichlorobenzene      | 12.69 | 180  | 61718    | 5.283  | ug/L  | 98       |
| 68) 1,2,4-trichlorobenzene      | 13.31 | 180  | 50323    | 5.658  | ug/L  | 100      |
| 69) Naphthalene                 | 13.55 | 128  | 90838    | 6.111  | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene      | 13.79 | 180  | 45267    | 5.578  | ug/L  | 99       |

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

