

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053020\  
 Data File : VV016355.D  
 Acq On : 30 May 2020 13:15  
 Operator : SY/MD  
 Sample : VSTD00134  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD00134

Quant Time: Jun 01 03:27:43 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR053020WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Jun 01 03:25:25 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 79191    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 76589    | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 36469    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |      |      |
|--------------------------------|-------|-----|-------|------|------|------|
| 4) Vinyl Chloride-d3           | 1.32  | 65  | 7073  | 1.02 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.58  | 69  | 5376  | 1.04 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.12  | 63  | 12273 | 1.01 | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 3.94  | 46  | 14795 | 9.85 | ug/L | 0.01 |
| 24) Chloroform-d               | 4.38  | 84  | 11830 | 1.00 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.06  | 65  | 6167  | 1.00 | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.08  | 84  | 21704 | 1.00 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.10  | 67  | 6939  | 1.06 | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.34  | 98  | 19333 | 0.96 | ug/L | 0.00 |
| 45) trans-1,3-Dichloropropene- | 7.65  | 79  | 2294  | 0.93 | ug/L | 0.00 |
| 48) 2-Hexanone-d5              | 8.12  | 63  | 9844  | 8.58 | ug/L | 0.00 |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24 | 84  | 4713  | 0.99 | ug/L | 0.00 |
| 65) 1,2-Dichlorobenzene-d4     | 11.65 | 152 | 7015  | 1.07 | ug/L | 0.00 |

## Target Compounds

|                                |      |     |       |              | Qvalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 6144  | 0.914 ug/L   | 99     |
| 3) Chloromethane               | 1.25 | 50  | 7886  | 1.009 ug/L   | 99     |
| 5) Vinyl chloride              | 1.32 | 62  | 6818  | 0.929 ug/L   | 99     |
| 6) Bromomethane                | 1.53 | 94  | 3862  | 0.953 ug/L   | 92     |
| 8) Chloroethane                | 1.60 | 64  | 4248  | 0.947 ug/L   | 90     |
| 9) Trichlorofluoromethane      | 1.77 | 101 | 9457  | 0.942 ug/L   | 97     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 5286  | 0.942 ug/L   | 98     |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 5198  | 0.989 ug/L # | 83     |
| 13) Acetone                    | 2.20 | 43  | 9927  | 11.069 ug/L  | 94     |
| 14) Carbon disulfide           | 2.31 | 76  | 14981 | 0.945 ug/L   | 99     |
| 15) Methyl Acetate             | 2.45 | 43  | 2783  | 1.219 ug/L # | 90     |
| 16) Methylene chloride         | 2.52 | 84  | 5780  | 1.046 ug/L   | 99     |
| 17) Methyl tert-butyl Ether    | 2.79 | 73  | 11680 | 0.949 ug/L # | 93     |
| 18) trans-1,2-Dichloroethene   | 2.78 | 96  | 5261  | 0.956 ug/L   | 97     |
| 19) 1,1-Dichloroethane         | 3.21 | 63  | 10703 | 0.968 ug/L   | 97     |
| 21) 2-Butanone                 | 4.02 | 43  | 12787 | 8.161 ug/L   | 98     |
| 22) cis-1,2-Dichloroethene     | 3.94 | 96  | 5846  | 0.968 ug/L   | 97     |
| 23) Bromochloromethane         | 4.27 | 128 | 2209  | 0.906 ug/L   | 97     |
| 25) Chloroform                 | 4.40 | 83  | 10570 | 0.957 ug/L   | 96     |
| 27) 1,2-Dichloroethane         | 5.16 | 62  | 6908  | 0.936 ug/L   | 99     |
| 29) 1,1,1-Trichloroethane      | 4.63 | 97  | 8616  | 0.911 ug/L   | 97     |
| 30) Cyclohexane                | 4.70 | 56  | 9130  | 0.904 ug/L   | 98     |
| 31) Carbon tetrachloride       | 4.85 | 117 | 7358  | 0.899 ug/L   | 99     |
| 33) Benzene                    | 5.13 | 78  | 21715 | 0.929 ug/L   | 100    |
| 34) Trichloroethene            | 5.94 | 95  | 5735  | 0.931 ug/L   | 94     |
| 35) Methylcyclohexane          | 6.15 | 83  | 8436  | 0.858 ug/L   | 96     |
| 37) 1,2-Dichloropropane        | 6.20 | 63  | 5508  | 0.901 ug/L # | 97     |
| 38) Bromodichloromethane       | 6.53 | 83  | 6585  | 0.924 ug/L   | 96     |
| 39) cis-1,3-Dichloropropene    | 7.05 | 75  | 6504  | 0.833 ug/L   | 96     |
| 40) 4-Methyl-2-pentanone       | 7.25 | 43  | 31234 | 8.571 ug/L   | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053020\  
 Data File : VV016355.D  
 Acq On : 30 May 2020 13:15  
 Operator : SY/MD  
 Sample : VSTD00134  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD00134

Quant Time: Jun 01 03:27:43 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR053020WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Jun 01 03:25:25 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 42) Toluene                    | 7.41  | 91   | 22306    | 0.870 | ug/L   | 99       |
| 43) 1,3,5-Trimethylbenzene     | 10.56 | 105  | 18061    | 0.767 | ug/L   | 99       |
| 44) 1,2,4-Trimethylbenzene     | 10.94 | 105  | 18400    | 0.773 | ug/L   | 97       |
| 46) trans-1,3-Dichloropropene  | 7.68  | 75   | 5285     | 0.788 | ug/L   | 97       |
| 47) 1,1,2-Trichloroethane      | 7.86  | 97   | 3459     | 0.910 | ug/L   | 93       |
| 49) Tetrachloroethene          | 8.00  | 164  | 4088     | 0.928 | ug/L   | 97       |
| 50) 2-Hexanone                 | 8.17  | 43   | 21574    | 8.329 | ug/L   | 97       |
| 51) Dibromochloromethane       | 8.27  | 129  | 3568     | 0.907 | ug/L   | 99       |
| 52) 1,2-Dibromoethane          | 8.38  | 107  | 3434     | 0.948 | ug/L # | 99       |
| 53) Chlorobenzene              | 8.90  | 112  | 14533    | 0.933 | ug/L   | 100      |
| 54) Ethylbenzene               | 9.04  | 91   | 23596    | 0.837 | ug/L   | 100      |
| 55) m,p-xylene                 | 9.16  | 106  | 8886     | 0.841 | ug/L   | 96       |
| 56) o-xylene                   | 9.57  | 106  | 8238     | 0.814 | ug/L   | 98       |
| 57) Styrene                    | 9.58  | 104  | 13768    | 0.789 | ug/L   | 99       |
| 58) Isopropylbenzene           | 9.95  | 105  | 22619    | 0.828 | ug/L   | 98       |
| 60) 1,1,2,2-Tetrachloroethane  | 10.26 | 83   | 4529     | 0.959 | ug/L   | 99       |
| 62) Bromoform                  | 9.76  | 173  | 1313     | 0.829 | ug/L # | 91       |
| 63) 1,3-Dichlorobenzene        | 11.21 | 146  | 10801    | 0.915 | ug/L   | 97       |
| 64) 1,4-Dichlorobenzene        | 11.30 | 146  | 11309    | 0.963 | ug/L   | 95       |
| 66) 1,2-Dichlorobenzene        | 11.67 | 146  | 10388    | 0.980 | ug/L   | 97       |
| 67) 1,2-Dibromo-3-chloropropan | 12.45 | 75   | 596      | 0.870 | ug/L # | 73       |
| 68) 1,3,5-Trichlorobenzene     | 12.67 | 180  | 7363     | 0.875 | ug/L   | 96       |
| 69) 1,2,4-trichlorobenzene     | 13.29 | 180  | 6121     | 0.874 | ug/L   | 97       |
| 70) Naphthalene                | 13.53 | 128  | 17096    | 1.254 | ug/L   | 97       |
| 71) 1,2,3-Trichlorobenzene     | 13.77 | 180  | 5809     | 0.913 | ug/L   | 97       |

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

