

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121220\  
 Data File : VU041576.D  
 Acq On : 12 Dec 2020 18:37  
 Operator : SY/MD  
 Sample : VSTD01004  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD01004

Quant Time: Dec 13 09:49:40 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR121220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sun Dec 13 09:47:34 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 165022   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 152926   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 81441    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |        |      |      |
|--------------------------------|-------|-----|--------|--------|------|------|
| 4) Vinyl Chloride-d3           | 1.60  | 65  | 131274 | 9.99   | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.92  | 69  | 101206 | 9.96   | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.58  | 63  | 240913 | 10.07  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.65  | 46  | 390629 | 102.89 | ug/L | 0.00 |
| 24) Chloroform-d               | 5.08  | 84  | 224289 | 10.08  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.72  | 65  | 123726 | 9.99   | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.74  | 84  | 460947 | 10.48  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.70  | 67  | 143224 | 10.38  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.91  | 98  | 424447 | 10.51  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 8.19  | 79  | 63825  | 10.11  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.64  | 63  | 379367 | 108.78 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75 | 84  | 131446 | 10.56  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 12.19 | 152 | 148977 | 10.51  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |        | Qvalue   |
|--------------------------------|------|-----|--------|--------|----------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 141126 | 9.727  | ug/L 100 |
| 3) Chloromethane               | 1.53 | 50  | 135587 | 9.440  | ug/L 97  |
| 5) Vinyl chloride              | 1.61 | 62  | 146676 | 9.549  | ug/L 99  |
| 6) Bromomethane                | 1.87 | 94  | 91765  | 9.476  | ug/L 98  |
| 8) Chloroethane                | 1.94 | 64  | 91865  | 8.887  | ug/L 97  |
| 9) Trichlorofluoromethane      | 2.15 | 101 | 193899 | 9.535  | ug/L 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 114915 | 9.743  | ug/L 98  |
| 12) 1,1-Dichloroethene         | 2.59 | 96  | 112065 | 9.689  | ug/L 96  |
| 13) Acetone                    | 2.66 | 43  | 234014 | 96.418 | ug/L 98  |
| 14) Carbon disulfide           | 2.81 | 76  | 388634 | 9.613  | ug/L 99  |
| 15) Methyl Acetate             | 2.97 | 43  | 60137  | 9.247  | ug/L 100 |
| 16) Methylene chloride         | 3.06 | 84  | 125951 | 9.521  | ug/L 97  |
| 17) Methyl tert-butyl Ether    | 3.38 | 73  | 307627 | 9.763  | ug/L 99  |
| 18) trans-1,2-Dichloroethene   | 3.37 | 96  | 117741 | 9.541  | ug/L 99  |
| 19) 1,1-Dichloroethane         | 3.89 | 63  | 219361 | 9.778  | ug/L 99  |
| 21) 2-Butanone                 | 4.73 | 43  | 390310 | 95.090 | ug/L 98  |
| 22) cis-1,2-Dichloroethene     | 4.69 | 96  | 129187 | 9.675  | ug/L 99  |
| 23) Bromochloromethane         | 4.99 | 128 | 61720  | 9.902  | ug/L 98  |
| 25) Chloroform                 | 5.11 | 83  | 214472 | 9.271  | ug/L 97  |
| 27) 1,2-Dichloroethane         | 5.81 | 62  | 148344 | 9.538  | ug/L 98  |
| 29) 1,1,1-Trichloroethane      | 5.33 | 97  | 183426 | 9.889  | ug/L 99  |
| 30) Cyclohexane                | 5.40 | 56  | 208993 | 9.935  | ug/L 96  |
| 31) Carbon tetrachloride       | 5.54 | 117 | 157671 | 9.730  | ug/L 97  |
| 33) Benzene                    | 5.79 | 78  | 502968 | 9.674  | ug/L 100 |
| 34) Trichloroethene            | 6.55 | 95  | 127647 | 9.746  | ug/L 96  |
| 35) Methylcyclohexane          | 6.77 | 83  | 214602 | 10.213 | ug/L 100 |
| 37) 1,2-Dichloropropane        | 6.80 | 63  | 128462 | 9.957  | ug/L 100 |
| 38) Bromodichloromethane       | 7.11 | 83  | 159926 | 9.760  | ug/L 98  |
| 39) cis-1,3-Dichloropropene    | 7.61 | 75  | 198520 | 9.940  | ug/L 100 |
| 40) 4-Methyl-2-pentanone       | 7.80 | 43  | 953209 | 98.126 | ug/L 100 |

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 Response via : Initial Calibration

| Internal Standards              | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------------|-------|------|----------|--------|-------|----------|
| 42) Toluene                     | 7.98  | 91   | 532754   | 9.710  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene   | 8.21  | 75   | 178672   | 9.974  | ug/L  | 95       |
| 45) 1,1,2-Trichloroethane       | 8.40  | 97   | 96349    | 9.341  | ug/L  | 98       |
| 47) Tetrachloroethene           | 8.56  | 164  | 89760    | 9.796  | ug/L  | 97       |
| 48) 2-Hexanone                  | 8.69  | 43   | 710769   | 99.849 | ug/L  | 100      |
| 49) Dibromochloromethane        | 8.82  | 129  | 112259   | 9.933  | ug/L  | 97       |
| 50) 1,2-Dibromoethane           | 8.93  | 107  | 93227    | 9.506  | ug/L  | 99       |
| 51) Chlorobenzene               | 9.45  | 112  | 322886   | 9.631  | ug/L  | 99       |
| 52) Ethylbenzene                | 9.57  | 91   | 578216   | 9.821  | ug/L  | 99       |
| 53) m,p-Xylene                  | 9.69  | 106  | 219577   | 9.576  | ug/L  | 98       |
| 54) o-Xylene                    | 10.10 | 106  | 215357   | 9.930  | ug/L  | 98       |
| 55) Styrene                     | 10.11 | 104  | 379208   | 10.035 | ug/L  | 100      |
| 56) Isopropylbenzene            | 10.48 | 105  | 570965   | 10.065 | ug/L  | 99       |
| 58) 1,1,1,2,2-Tetrachloroethane | 10.78 | 83   | 134878   | 10.015 | ug/L  | 99       |
| 59) 1,2,3-Trichloropropane      | 10.82 | 75   | 95598    | 9.660  | ug/L  | 99       |
| 61) Bromoform                   | 10.29 | 173  | 69678    | 10.380 | ug/L  | 96       |
| 62) 1,3-Dichlorobenzene         | 11.74 | 146  | 259782   | 9.870  | ug/L  | 97       |
| 63) 1,4-Dichlorobenzene         | 11.83 | 146  | 259538   | 9.677  | ug/L  | 98       |
| 65) 1,2-Dichlorobenzene         | 12.20 | 146  | 250251   | 9.881  | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropropan  | 12.99 | 75   | 24030    | 9.730  | ug/L  | 94       |
| 67) 1,3,5-Trichlorobenzene      | 13.21 | 180  | 198840   | 9.870  | ug/L  | 100      |
| 68) 1,2,4-trichlorobenzene      | 13.83 | 180  | 172889   | 9.311  | ug/L  | 99       |
| 69) Naphthalene                 | 14.07 | 128  | 373740   | 10.156 | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene      | 14.31 | 180  | 174052   | 10.053 | ug/L  | 99       |

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

