

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070720\  
 Data File : VU039312.D  
 Acq On : 07 Jul 2020 13:26  
 Operator : SY/MD  
 Sample : VSTD00106  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00106

Manual Integrations  
 APPROVED

MMDadoda  
 7/8/2020 2:53:17 PM

Quant Time: Jul 07 14:17:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Jul 07 14:10:43 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 127327   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 117993   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 55838    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |      |      |
|--------------------------------|-------|-----|-------|------|------|------|
| 4) Vinyl Chloride-d3           | 1.61  | 65  | 7266  | 0.74 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.92  | 69  | 7004  | 0.75 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.58  | 63  | 14092 | 0.77 | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.66  | 46  | 31524 | 8.54 | ug/L | 0.00 |
| 24) Chloroform-d               | 5.09  | 84  | 14814 | 0.79 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.72  | 65  | 9356  | 0.81 | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.75  | 84  | 27556 | 0.76 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.71  | 67  | 9534  | 0.79 | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.91  | 98  | 23517 | 0.70 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 8.19  | 79  | 4000  | 0.72 | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.64  | 63  | 23400 | 7.96 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76 | 84  | 8747  | 0.76 | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 12.19 | 152 | 10178 | 0.81 | ug/L | 0.00 |

## Target Compounds

|                                |      |     |       |             | Qvalue |
|--------------------------------|------|-----|-------|-------------|--------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 8113  | 1.120 ug/L  | 93     |
| 3) Chloromethane               | 1.53 | 50  | 10288 | 1.115 ug/L  | 99     |
| 5) Vinyl chloride              | 1.61 | 62  | 11068 | 1.167 ug/L  | 97     |
| 6) Bromomethane                | 1.87 | 94  | 4579  | 0.787 ug/L  | 92     |
| 8) Chloroethane                | 1.94 | 64  | 8017m | 1.235 ug/L  |        |
| 9) Trichlorofluoromethane      | 2.15 | 101 | 16302 | 0.983 ug/L  | 93     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 7464  | 1.032 ug/L  | 94     |
| 12) 1,1-Dichloroethene         | 2.59 | 96  | 7964  | 1.104 ug/L  | 91     |
| 13) Acetone                    | 2.67 | 43  | 20554 | 11.770 ug/L | 87     |
| 14) Carbon disulfide           | 2.81 | 76  | 28351 | 1.233 ug/L  | 98     |
| 15) Methyl Acetate             | 2.98 | 43  | 5718  | 1.309 ug/L  | 94     |
| 16) Methylene chloride         | 3.06 | 84  | 10719 | 1.167 ug/L  | 91     |
| 17) Methyl tert-butyl Ether    | 3.39 | 73  | 26246 | 1.106 ug/L  | 98     |
| 18) trans-1,2-Dichloroethene   | 3.38 | 96  | 8989  | 1.146 ug/L  | 98     |
| 19) 1,1-Dichloroethane         | 3.89 | 63  | 18414 | 1.172 ug/L  | 98     |
| 21) 2-Butanone                 | 4.74 | 43  | 35815 | 11.268 ug/L | 93     |
| 22) cis-1,2-Dichloroethene     | 4.69 | 96  | 10285 | 1.151 ug/L  | 89     |
| 23) Bromochloromethane         | 5.00 | 128 | 4903  | 1.218 ug/L  | 90     |
| 25) Chloroform                 | 5.11 | 83  | 18496 | 1.130 ug/L  | 97     |
| 27) 1,2-Dichloroethane         | 5.81 | 62  | 13308 | 1.129 ug/L  | # 78   |
| 29) 1,1,1-Trichloroethane      | 5.34 | 97  | 14964 | 1.104 ug/L  | 98     |
| 30) Cyclohexane                | 5.41 | 56  | 15021 | 1.107 ug/L  | 99     |
| 31) Carbon tetrachloride       | 5.54 | 117 | 12731 | 1.117 ug/L  | 96     |
| 33) Benzene                    | 5.79 | 78  | 38889 | 1.169 ug/L  | 100    |
| 34) Trichloroethene            | 6.56 | 95  | 9820  | 1.145 ug/L  | 97     |
| 35) Methylcyclohexane          | 6.78 | 83  | 14578 | 1.062 ug/L  | 97     |
| 37) 1,2-Dichloropropane        | 6.80 | 63  | 10863 | 1.171 ug/L  | # 97   |
| 38) Bromodichloromethane       | 7.12 | 83  | 13336 | 1.103 ug/L  | 92     |
| 39) cis-1,3-Dichloropropene    | 7.62 | 75  | 15923 | 1.104 ug/L  | 98     |
| 40) 4-Methyl-2-pentanone       | 7.80 | 43  | 88451 | 11.265 ug/L | 98     |

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 ALS Vial : 5 Sample Multiplier: 1

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Quant Time: Jul 07 14:17:27 2020  
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 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Jul 07 14:10:43 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 42) Toluene                    | 7.98  | 91   | 40670    | 1.124  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene  | 8.22  | 75   | 13641    | 1.050  | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane      | 8.41  | 97   | 7287     | 1.056  | ug/L   | 93       |
| 47) Tetrachloroethene          | 8.56  | 164  | 6728     | 1.117  | ug/L   | 90       |
| 48) 2-Hexanone                 | 8.69  | 43   | 64320    | 11.015 | ug/L   | 98       |
| 49) Dibromochloromethane       | 8.82  | 129  | 8721     | 1.007  | ug/L   | 91       |
| 50) 1,2-Dibromoethane          | 8.93  | 107  | 7833     | 1.129  | ug/L   | 87       |
| 51) Chlorobenzene              | 9.45  | 112  | 24314    | 1.086  | ug/L   | 98       |
| 52) Ethylbenzene               | 9.57  | 91   | 42727    | 1.061  | ug/L   | 96       |
| 53) m,p-Xylene                 | 9.70  | 106  | 15941    | 1.049  | ug/L   | 99       |
| 54) o-Xylene                   | 10.10 | 106  | 15677    | 1.041  | ug/L   | 96       |
| 55) Styrene                    | 10.11 | 104  | 26414    | 1.003  | ug/L   | 98       |
| 56) Isopropylbenzene           | 10.48 | 105  | 41540    | 1.018  | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.78 | 83   | 10411    | 1.068  | ug/L   | 98       |
| 59) 1,2,3-Trichloropropane     | 10.83 | 75   | 8059     | 1.156  | ug/L   | 90       |
| 61) Bromoform                  | 10.29 | 173  | 4920     | 0.988  | ug/L # | 97       |
| 62) 1,3-Dichlorobenzene        | 11.74 | 146  | 18901    | 1.077  | ug/L   | 98       |
| 63) 1,4-Dichlorobenzene        | 11.83 | 146  | 18787    | 1.090  | ug/L   | 97       |
| 65) 1,2-Dichlorobenzene        | 12.21 | 146  | 19120    | 1.112  | ug/L   | 95       |
| 66) 1,2-Dibromo-3-chloropropan | 12.99 | 75   | 1527     | 0.891  | ug/L # | 71       |
| 67) 1,3,5-Trichlorobenzene     | 13.21 | 180  | 14101    | 1.094  | ug/L   | 98       |
| 68) 1,2,4-trichlorobenzene     | 13.83 | 180  | 11564    | 1.037  | ug/L   | 97       |
| 69) Naphthalene                | 14.08 | 128  | 22120    | 1.035  | ug/L   | 100      |
| 70) 1,2,3-Trichlorobenzene     | 14.32 | 180  | 10830    | 1.065  | ug/L   | 95       |
| -----                          |       |      |          |        |        |          |

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

