

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033120\  
 Data File : VU037494.D  
 Acq On : 31 Mar 2020 11:48  
 Operator : JC/MD  
 Sample : VSTD00104  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00104

Manual Integrations  
 APPROVED

apatel  
 4/1/2020 7:27:27 PM

Quant Time: Mar 31 12:46:40 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR033120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Mar 31 12:37:56 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 91437    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 85795    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 39942    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |       |      |      |
|--------------------------------|-------|-----|-------|-------|------|------|
| 4) Vinyl Chloride-d3           | 1.61  | 65  | 6920  | 1.03  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.93  | 69  | 6500  | 1.29  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.59  | 63  | 14025 | 1.06  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.69  | 46  | 21984 | 11.95 | ug/L | 0.00 |
| 24) Chloroform-d               | 5.11  | 84  | 13344 | 1.00  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.74  | 65  | 7575  | 1.03  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.76  | 84  | 25943 | 1.05  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.72  | 67  | 8997  | 1.10  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.92  | 98  | 24753 | 1.05  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 8.20  | 79  | 3725  | 0.97  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.66  | 63  | 17965 | 11.71 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78 | 84  | 7052  | 1.02  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 12.21 | 152 | 8505  | 1.08  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |              | Qvalue |
|--------------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 7218   | 0.941 ug/L   | 99     |
| 3) Chloromethane               | 1.53 | 50  | 7297   | 1.073 ug/L   | 91     |
| 5) Vinyl chloride              | 1.62 | 62  | 7645   | 1.068 ug/L   | 94     |
| 6) Bromomethane                | 1.88 | 94  | 3870   | 0.959 ug/L   | 98     |
| 8) Chloroethane                | 1.95 | 64  | 4592   | 1.150 ug/L   | 98     |
| 9) Trichlorofluoromethane      | 2.16 | 101 | 10819  | 1.129 ug/L   | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.61 | 101 | 6423   | 1.100 ug/L   | 97     |
| 12) 1,1-Dichloroethene         | 2.60 | 96  | 6310   | 1.049 ug/L   | 87     |
| 13) Acetone                    | 2.69 | 43  | 12501m | 11.826 ug/L  |        |
| 14) Carbon disulfide           | 2.82 | 76  | 21561  | 1.048 ug/L   | 100    |
| 15) Methyl Acetate             | 2.99 | 43  | 3164   | 1.071 ug/L # | 82     |
| 16) Methylene chloride         | 3.08 | 84  | 7090   | 1.055 ug/L   | 90     |
| 17) Methyl tert-butyl Ether    | 3.41 | 73  | 17030  | 1.041 ug/L # | 89     |
| 18) trans-1,2-Dichloroethene   | 3.39 | 96  | 6720   | 1.069 ug/L   | 99     |
| 19) 1,1-Dichloroethane         | 3.91 | 63  | 12456  | 1.060 ug/L   | 98     |
| 21) 2-Butanone                 | 4.77 | 43  | 20551  | 11.436 ug/L  | 99     |
| 22) cis-1,2-Dichloroethene     | 4.71 | 96  | 7424   | 1.054 ug/L   | 99     |
| 23) Bromochloromethane         | 5.02 | 128 | 2926   | 0.940 ug/L   | 84     |
| 25) Chloroform                 | 5.13 | 83  | 12686  | 1.026 ug/L   | 98     |
| 27) 1,2-Dichloroethane         | 5.83 | 62  | 8874   | 1.074 ug/L   | 98     |
| 29) 1,1,1-Trichloroethane      | 5.36 | 97  | 11101  | 1.029 ug/L   | 98     |
| 30) Cyclohexane                | 5.43 | 56  | 12244  | 1.108 ug/L   | 98     |
| 31) Carbon tetrachloride       | 5.56 | 117 | 9045   | 0.971 ug/L   | 99     |
| 33) Benzene                    | 5.81 | 78  | 27772  | 1.093 ug/L   | 100    |
| 34) Trichloroethene            | 6.57 | 95  | 7267   | 1.004 ug/L   | 93     |
| 35) Methylcyclohexane          | 6.79 | 83  | 12529  | 1.094 ug/L   | 96     |
| 37) 1,2-Dichloropropane        | 6.82 | 63  | 7296   | 1.111 ug/L # | 92     |
| 38) Bromodichloromethane       | 7.14 | 83  | 9583   | 1.067 ug/L   | 99     |
| 39) cis-1,3-Dichloropropene    | 7.64 | 75  | 11057  | 1.032 ug/L   | 94     |
| 40) 4-Methyl-2-pentanone       | 7.82 | 43  | 54551  | 12.475 ug/L  | 100    |

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 QLast Update : Tue Mar 31 12:37:56 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 42) Toluene                    | 8.00  | 91   | 29069    | 1.062  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene  | 8.24  | 75   | 9760     | 1.019  | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane      | 8.43  | 97   | 5000     | 1.018  | ug/L   | 94       |
| 47) Tetrachloroethene          | 8.57  | 164  | 4960     | 0.995  | ug/L   | 89       |
| 48) 2-Hexanone                 | 8.71  | 43   | 39099    | 12.405 | ug/L   | 97       |
| 49) Dibromochloromethane       | 8.83  | 129  | 6373     | 1.051  | ug/L   | 85       |
| 50) 1,2-Dibromoethane          | 8.95  | 107  | 4940     | 1.036  | ug/L # | 91       |
| 51) Chlorobenzene              | 9.47  | 112  | 17913    | 0.947  | ug/L   | 99       |
| 52) Ethylbenzene               | 9.59  | 91   | 33770    | 1.075  | ug/L   | 98       |
| 53) m,p-Xylene                 | 9.71  | 106  | 12035    | 1.014  | ug/L   | 98       |
| 54) o-Xylene                   | 10.12 | 106  | 12143    | 1.048  | ug/L   | 89       |
| 55) Styrene                    | 10.13 | 104  | 20608    | 1.041  | ug/L   | 98       |
| 56) Isopropylbenzene           | 10.50 | 105  | 31810    | 1.030  | ug/L   | 98       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.80 | 83   | 7198     | 1.148  | ug/L   | 97       |
| 59) 1,2,3-Trichloropropane     | 10.84 | 75   | 4928     | 1.079  | ug/L   | 100      |
| 61) Bromoform                  | 10.31 | 173  | 3327     | 1.002  | ug/L   | 98       |
| 62) 1,3-Dichlorobenzene        | 11.76 | 146  | 14243    | 1.109  | ug/L   | 98       |
| 63) 1,4-Dichlorobenzene        | 11.85 | 146  | 14738    | 1.075  | ug/L   | 97       |
| 65) 1,2-Dichlorobenzene        | 12.23 | 146  | 13461    | 1.086  | ug/L   | 98       |
| 66) 1,2-Dibromo-3-chloropropan | 13.01 | 75   | 1464     | 1.342  | ug/L # | 83       |
| 67) 1,3,5-Trichlorobenzene     | 13.24 | 180  | 9994     | 1.003  | ug/L   | 99       |
| 68) 1,2,4-trichlorobenzene     | 13.87 | 180  | 9227     | 0.961  | ug/L   | 96       |
| 69) Naphthalene                | 14.11 | 128  | 21648    | 1.161  | ug/L   | 100      |
| 70) 1,2,3-Trichlorobenzene     | 14.36 | 180  | 8191     | 0.949  | ug/L   | 95       |

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

