

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021220\  
 Data File : VU036724.D  
 Acq On : 11 Feb 2020 15:52  
 Operator : JC/MD  
 Sample : VSTD0.504  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD0.504

Quant Time: Feb 12 07:34:45 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR021220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Feb 12 07:32:25 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 123057   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 114012   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 50238    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |      |      |
|--------------------------------|-------|-----|-------|------|------|------|
| 4) Vinyl Chloride-d3           | 1.61  | 65  | 5258  | 0.57 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.93  | 69  | 4680  | 0.56 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.59  | 63  | 8652  | 0.52 | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.70  | 46  | 11410 | 4.99 | ug/L | 0.02 |
| 24) Chloroform-d               | 5.11  | 84  | 7796  | 0.44 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.75  | 65  | 4651  | 0.49 | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.76  | 84  | 16932 | 0.51 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.73  | 67  | 5478  | 0.51 | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.93  | 98  | 16058 | 0.51 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 8.21  | 79  | 2117  | 0.44 | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.67  | 63  | 8455  | 4.08 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78 | 84  | 4128  | 0.45 | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 12.21 | 152 | 5158  | 0.48 | ug/L | 0.00 |

## Target Compounds

|                                |      |     |       |              | Qvalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 4165  | 0.435 ug/L   | 98     |
| 3) Chloromethane               | 1.53 | 50  | 4415  | 0.475 ug/L   | 94     |
| 5) Vinyl chloride              | 1.62 | 62  | 4981  | 0.486 ug/L   | 96     |
| 6) Bromomethane                | 1.87 | 94  | 3215  | 0.541 ug/L   | 91     |
| 8) Chloroethane                | 1.95 | 64  | 4238  | 0.684 ug/L # | 82     |
| 9) Trichlorofluoromethane      | 2.16 | 101 | 6876  | 0.481 ug/L   | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.61 | 101 | 4371  | 0.567 ug/L   | 97     |
| 12) 1,1-Dichloroethene         | 2.60 | 96  | 3851  | 0.514 ug/L   | 95     |
| 13) Acetone                    | 2.69 | 43  | 14489 | 8.106 ug/L   | 97     |
| 14) Carbon disulfide           | 2.82 | 76  | 9842  | 0.422 ug/L   | 99     |
| 15) Methyl Acetate             | 3.00 | 43  | 1929  | 0.573 ug/L # | 85     |
| 16) Methylene chloride         | 3.08 | 84  | 9565  | 0.971 ug/L   | 98     |
| 17) Methyl tert-butyl Ether    | 3.41 | 73  | 11221 | 0.512 ug/L   | 99     |
| 18) trans-1,2-Dichloroethene   | 3.39 | 96  | 3920  | 0.474 ug/L   | 97     |
| 19) 1,1-Dichloroethane         | 3.92 | 63  | 7943  | 0.513 ug/L # | 91     |
| 21) 2-Butanone                 | 4.77 | 43  | 15301 | 5.856 ug/L   | 98     |
| 22) cis-1,2-Dichloroethene     | 4.71 | 96  | 4550  | 0.478 ug/L   | 96     |
| 23) Bromochloromethane         | 5.02 | 128 | 1828  | 0.468 ug/L   | 84     |
| 25) Chloroform                 | 5.13 | 83  | 9456  | 0.581 ug/L   | 92     |
| 27) 1,2-Dichloroethane         | 5.84 | 62  | 5826  | 0.545 ug/L   | 96     |
| 29) 1,1,1-Trichloroethane      | 5.35 | 97  | 6528  | 0.472 ug/L   | 96     |
| 30) Cyclohexane                | 5.43 | 56  | 6818  | 0.490 ug/L   | 98     |
| 31) Carbon tetrachloride       | 5.56 | 117 | 5278  | 0.452 ug/L   | 99     |
| 33) Benzene                    | 5.81 | 78  | 18594 | 0.545 ug/L   | 100    |
| 34) Trichloroethene            | 6.58 | 95  | 4907  | 0.542 ug/L   | 92     |
| 35) Methylcyclohexane          | 6.80 | 83  | 7335  | 0.511 ug/L   | 99     |
| 37) 1,2-Dichloropropane        | 6.83 | 63  | 4962  | 0.560 ug/L # | 96     |
| 38) Bromodichloromethane       | 7.14 | 83  | 5870  | 0.492 ug/L   | 98     |
| 39) cis-1,3-Dichloropropene    | 7.64 | 75  | 6726  | 0.472 ug/L   | 97     |
| 40) 4-Methyl-2-pentanone       | 7.83 | 43  | 28704 | 4.636 ug/L   | 99     |

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 VSTD0.504

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 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Feb 12 07:32:25 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 42) Toluene                    | 8.00  | 91   | 19603    | 0.522 | ug/L   | 90       |
| 44) trans-1,3-Dichloropropene  | 8.24  | 75   | 5134     | 0.440 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane      | 8.43  | 97   | 3390     | 0.528 | ug/L   | 95       |
| 47) Tetrachloroethene          | 8.58  | 164  | 3259     | 0.515 | ug/L   | 96       |
| 48) 2-Hexanone                 | 8.72  | 43   | 25509    | 5.581 | ug/L   | 97       |
| 49) Dibromochloromethane       | 8.84  | 129  | 3272     | 0.400 | ug/L   | 91       |
| 50) 1,2-Dibromoethane          | 8.95  | 107  | 3009     | 0.473 | ug/L # | 79       |
| 51) Chlorobenzene              | 9.47  | 112  | 12109    | 0.520 | ug/L   | 97       |
| 52) Ethylbenzene               | 9.60  | 91   | 21348    | 0.514 | ug/L   | 98       |
| 53) m,p-Xylene                 | 9.72  | 106  | 7849     | 0.493 | ug/L   | 94       |
| 54) o-Xylene                   | 10.12 | 106  | 7394     | 0.477 | ug/L   | 88       |
| 55) Styrene                    | 10.14 | 104  | 12165    | 0.463 | ug/L   | 89       |
| 56) Isopropylbenzene           | 10.51 | 105  | 20001    | 0.487 | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.81 | 83   | 4328     | 0.501 | ug/L # | 97       |
| 59) 1,2,3-Trichloropropane     | 10.85 | 75   | 3156     | 0.517 | ug/L   | 94       |
| 61) Bromoform                  | 10.32 | 173  | 1621     | 0.375 | ug/L # | 90       |
| 62) 1,3-Dichlorobenzene        | 11.77 | 146  | 9162     | 0.542 | ug/L   | 97       |
| 63) 1,4-Dichlorobenzene        | 11.86 | 146  | 9241     | 0.552 | ug/L   | 98       |
| 65) 1,2-Dichlorobenzene        | 12.23 | 146  | 8663     | 0.539 | ug/L   | 100      |
| 66) 1,2-Dibromo-3-chloropropan | 13.02 | 75   | 574      | 0.403 | ug/L # | 89       |
| 67) 1,3,5-Trichlorobenzene     | 13.23 | 180  | 6111     | 0.509 | ug/L   | 95       |
| 68) 1,2,4-trichlorobenzene     | 13.85 | 180  | 3983     | 0.450 | ug/L   | 95       |
| 69) Naphthalene                | 14.10 | 128  | 6554     | 0.417 | ug/L   | 98       |
| 70) 1,2,3-Trichlorobenzene     | 14.34 | 180  | 3682     | 0.433 | ug/L   | 99       |

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

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