

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120420\  
 Data File : VU041460.D  
 Acq On : 04 Dec 2020 09:39  
 Operator : SY/MD  
 Sample : VSTD0.506  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD0.506

Manual Integrations  
 APPROVED

MMDadoda  
 12/8/2020 5:21:57 PM

Quant Time: Dec 05 05:05:51 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR120420WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Dec 05 04:54:30 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 55928    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 54528    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 28133    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |      |      |      |      |
|--------------------------------|-------|-----|------|------|------|------|
| 4) Vinyl Chloride-d3           | 1.61  | 65  | 1348 | 0.43 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.92  | 69  | 1213 | 0.46 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.58  | 63  | 3327 | 0.45 | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.65  | 46  | 4606 | 4.31 | ug/L | 0.00 |
| 24) Chloroform-d               | 5.08  | 84  | 3711 | 0.46 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.72  | 65  | 2671 | 0.50 | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.74  | 84  | 5523 | 0.44 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.70  | 67  | 1707 | 0.47 | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.91  | 98  | 5275 | 0.44 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 8.18  | 79  | 812  | 0.39 | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.64  | 63  | 3341 | 4.07 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75 | 84  | 1658 | 0.41 | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 12.19 | 152 | 2347 | 0.47 | ug/L | 0.00 |

## Target Compounds

|                                |      |     |       |              | Qvalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 2550  | 0.453 ug/L   | 94     |
| 3) Chloromethane               | 1.53 | 50  | 1689  | 0.471 ug/L   | 97     |
| 5) Vinyl chloride              | 1.61 | 62  | 1955  | 0.482 ug/L   | 94     |
| 6) Bromomethane                | 1.87 | 94  | 1331  | 0.478 ug/L   | 94     |
| 8) Chloroethane                | 1.94 | 64  | 1221  | 0.445 ug/L   | 88     |
| 9) Trichlorofluoromethane      | 2.15 | 101 | 4177  | 0.462 ug/L   | 92     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 1854  | 0.491 ug/L   | 96     |
| 12) 1,1-Dichloroethene         | 2.59 | 96  | 1654  | 0.496 ug/L   | 94     |
| 13) Acetone                    | 2.67 | 43  | 4484m | 5.397 ug/L   |        |
| 14) Carbon disulfide           | 2.81 | 76  | 5125  | 0.543 ug/L   | 96     |
| 15) Methyl Acetate             | 2.97 | 43  | 725   | 0.421 ug/L # | 56     |
| 16) Methylene chloride         | 3.06 | 84  | 3112  | 0.648 ug/L   | 90     |
| 17) Methyl tert-butyl Ether    | 3.38 | 73  | 4625  | 0.439 ug/L   | 97     |
| 18) trans-1,2-Dichloroethene   | 3.37 | 96  | 1528  | 0.439 ug/L   | 89     |
| 19) 1,1-Dichloroethane         | 3.89 | 63  | 2977  | 0.446 ug/L   | 93     |
| 21) 2-Butanone                 | 4.74 | 43  | 4505  | 4.125 ug/L   | 86     |
| 22) cis-1,2-Dichloroethene     | 4.68 | 96  | 1746  | 0.456 ug/L   | 95     |
| 23) Bromochloromethane         | 4.99 | 128 | 926   | 0.472 ug/L   | 90     |
| 25) Chloroform                 | 5.11 | 83  | 4037  | 0.487 ug/L   | 90     |
| 27) 1,2-Dichloroethane         | 5.81 | 62  | 2877  | 0.448 ug/L # | 79     |
| 29) 1,1,1-Trichloroethane      | 5.33 | 97  | 3768  | 0.463 ug/L   | 97     |
| 30) Cyclohexane                | 5.40 | 56  | 2312  | 0.470 ug/L # | 91     |
| 31) Carbon tetrachloride       | 5.53 | 117 | 3540  | 0.483 ug/L   | 100    |
| 33) Benzene                    | 5.79 | 78  | 6700  | 0.472 ug/L   | 100    |
| 34) Trichloroethene            | 6.55 | 95  | 1992  | 0.475 ug/L   | 89     |
| 35) Methylcyclohexane          | 6.77 | 83  | 2283  | 0.412 ug/L   | 90     |
| 37) 1,2-Dichloropropane        | 6.80 | 63  | 1478  | 0.416 ug/L # | 84     |
| 38) Bromodichloromethane       | 7.11 | 83  | 2836  | 0.465 ug/L   | 96     |
| 39) cis-1,3-Dichloropropene    | 7.61 | 75  | 2603  | 0.448 ug/L   | 94     |
| 40) 4-Methyl-2-pentanone       | 7.80 | 43  | 10425 | 4.002 ug/L   | 99     |

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| -----                          |       |      |          |       |        |          |
| 42) Toluene                    | 7.97  | 91   | 6959     | 0.447 | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene  | 8.22  | 75   | 2516     | 0.415 | ug/L # | 79       |
| 45) 1,1,2-Trichloroethane      | 8.40  | 97   | 1510     | 0.491 | ug/L   | 96       |
| 47) Tetrachloroethene          | 8.56  | 164  | 1533     | 0.485 | ug/L   | 93       |
| 48) 2-Hexanone                 | 8.69  | 43   | 8436     | 4.205 | ug/L   | 97       |
| 49) Dibromochloromethane       | 8.81  | 129  | 1976     | 0.461 | ug/L   | 90       |
| 50) 1,2-Dibromoethane          | 8.93  | 107  | 1617     | 0.533 | ug/L # | 97       |
| 51) Chlorobenzene              | 9.45  | 112  | 4914     | 0.464 | ug/L   | 98       |
| 52) Ethylbenzene               | 9.57  | 91   | 8040     | 0.443 | ug/L   | 95       |
| 53) m,p-Xylene                 | 9.69  | 106  | 2810     | 0.423 | ug/L   | 96       |
| 54) o-Xylene                   | 10.10 | 106  | 2858     | 0.457 | ug/L   | 92       |
| 55) Styrene                    | 10.11 | 104  | 4223     | 0.376 | ug/L   | 98       |
| 56) Isopropylbenzene           | 10.48 | 105  | 7646     | 0.425 | ug/L   | 98       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.78 | 83   | 1723     | 0.442 | ug/L   | 89       |
| 59) 1,2,3-Trichloropropane     | 10.82 | 75   | 1393     | 0.429 | ug/L   | 99       |
| 61) Bromoform                  | 10.29 | 173  | 1188     | 0.477 | ug/L # | 92       |
| 62) 1,3-Dichlorobenzene        | 11.74 | 146  | 3795     | 0.444 | ug/L   | 98       |
| 63) 1,4-Dichlorobenzene        | 11.83 | 146  | 4056     | 0.472 | ug/L   | 97       |
| 65) 1,2-Dichlorobenzene        | 12.21 | 146  | 3739     | 0.448 | ug/L   | 97       |
| 66) 1,2-Dibromo-3-chloropropan | 12.99 | 75   | 292      | 0.357 | ug/L   | 97       |
| 67) 1,3,5-Trichlorobenzene     | 13.21 | 180  | 2902     | 0.439 | ug/L   | 95       |
| 68) 1,2,4-trichlorobenzene     | 13.83 | 180  | 2165     | 0.405 | ug/L   | 98       |
| 69) Naphthalene                | 14.08 | 128  | 2610     | 0.294 | ug/L # | 92       |
| 70) 1,2,3-Trichlorobenzene     | 14.32 | 180  | 1999     | 0.403 | ug/L # | 91       |
| -----                          |       |      |          |       |        |          |

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

