

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU080320\  
 Data File : VU039735.D  
 Acq On : 03 Aug 2020 13:16  
 Operator : SY/MD  
 Sample : VSTD0.501  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD0.501

Manual Integrations  
 APPROVED

sam  
 8/6/2020 2:46:15 PM

Quant Time: Aug 03 17:35:16 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR080320WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Mon Aug 03 17:28:50 2020

Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 78076    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 79094    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 39087    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |       |     |      |      |      |      |
|--------------------------------|-------|-----|------|------|------|------|
| 4) Vinyl Chloride-d3           | 1.60  | 65  | 1585 | 0.42 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.92  | 69  | 1961 | 0.49 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.58  | 63  | 3958 | 0.48 | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.66  | 46  | 8246 | 4.91 | ug/L | 0.00 |
| 24) Chloroform-d               | 5.08  | 84  | 4669 | 0.50 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.72  | 65  | 2712 | 0.44 | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.74  | 84  | 7984 | 0.42 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.70  | 67  | 2936 | 0.46 | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.90  | 98  | 7282 | 0.40 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 8.19  | 79  | 905  | 0.33 | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.64  | 63  | 5039 | 3.75 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75 | 84  | 2812 | 0.48 | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 12.19 | 152 | 2857 | 0.41 | ug/L | 0.00 |

#### Target Compounds

|                                |      |     |       |              | Qvalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 3454  | 0.827 ug/L   | 98     |
| 3) Chloromethane               | 1.53 | 50  | 3664  | 0.809 ug/L   | 97     |
| 5) Vinyl chloride              | 1.61 | 62  | 3255  | 0.689 ug/L   | 89     |
| 6) Bromomethane                | 1.86 | 94  | 1833  | 0.603 ug/L   | 98     |
| 8) Chloroethane                | 1.94 | 64  | 2418  | 0.638 ug/L   | 97     |
| 9) Trichlorofluoromethane      | 2.15 | 101 | 4946  | 0.529 ug/L   | 96     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 2994  | 0.716 ug/L # | 90     |
| 12) 1,1-Dichloroethene         | 2.59 | 96  | 2412  | 0.634 ug/L   | 83     |
| 13) Acetone                    | 2.66 | 43  | 6388  | 6.941 ug/L   | 93     |
| 14) Carbon disulfide           | 2.80 | 76  | 7511  | 0.655 ug/L   | 98     |
| 15) Methyl Acetate             | 2.97 | 43  | 1442  | 0.637 ug/L # | 90     |
| 16) Methylene chloride         | 3.06 | 84  | 5951  | 1.084 ug/L   | 92     |
| 17) Methyl tert-butyl Ether    | 3.38 | 73  | 6037  | 0.517 ug/L # | 91     |
| 18) trans-1,2-Dichloroethene   | 3.37 | 96  | 2831  | 0.672 ug/L   | 93     |
| 19) 1,1-Dichloroethane         | 3.88 | 63  | 5101  | 0.606 ug/L   | 97     |
| 21) 2-Butanone                 | 4.74 | 43  | 7869  | 4.949 ug/L   | 95     |
| 22) cis-1,2-Dichloroethene     | 4.69 | 96  | 2851  | 0.585 ug/L   | 89     |
| 23) Bromochloromethane         | 4.99 | 128 | 1308  | 0.569 ug/L # | 85     |
| 25) Chloroform                 | 5.11 | 83  | 5560  | 0.579 ug/L   | 99     |
| 27) 1,2-Dichloroethane         | 5.81 | 62  | 3706  | 0.569 ug/L # | 94     |
| 29) 1,1,1-Trichloroethane      | 5.33 | 97  | 4143  | 0.493 ug/L   | 98     |
| 30) Cyclohexane                | 5.40 | 56  | 3826  | 0.510 ug/L # | 87     |
| 31) Carbon tetrachloride       | 5.54 | 117 | 4186  | 0.577 ug/L   | 97     |
| 33) Benzene                    | 5.79 | 78  | 10029 | 0.518 ug/L   | 100    |
| 34) Trichloroethene            | 6.55 | 95  | 2750  | 0.519 ug/L # | 78     |
| 35) Methylcyclohexane          | 6.77 | 83  | 4210  | 0.533 ug/L # | 74     |
| 37) 1,2-Dichloropropane        | 6.80 | 63  | 2749  | 0.518 ug/L # | 88     |
| 38) Bromodichloromethane       | 7.11 | 83  | 3756  | 0.538 ug/L # | 85     |
| 39) cis-1,3-Dichloropropene    | 7.62 | 75  | 3563  | 0.470 ug/L   | 96     |
| 40) 4-Methyl-2-pentanone       | 7.80 | 43  | 19107 | 4.602 ug/L   | 98     |

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Quant Time: Aug 03 17:35:16 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR080320WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Aug 03 17:28:50 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 42) Toluene                    | 7.98  | 91   | 11019    | 0.527 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene  | 8.21  | 75   | 3105     | 0.446 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane      | 8.41  | 97   | 1986     | 0.483 | ug/L   | 87       |
| 47) Tetrachloroethene          | 8.56  | 164  | 2411     | 0.653 | ug/L   | 85       |
| 48) 2-Hexanone                 | 8.69  | 43   | 14114    | 4.583 | ug/L   | 99       |
| 49) Dibromochloromethane       | 8.81  | 129  | 2400     | 0.484 | ug/L   | 91       |
| 50) 1,2-Dibromoethane          | 8.93  | 107  | 1906     | 0.474 | ug/L # | 98       |
| 51) Chlorobenzene              | 9.45  | 112  | 7295     | 0.536 | ug/L   | 96       |
| 52) Ethylbenzene               | 9.57  | 91   | 12105    | 0.508 | ug/L   | 97       |
| 53) m,p-Xylene                 | 9.69  | 106  | 4239     | 0.472 | ug/L   | 95       |
| 54) o-Xylene                   | 10.10 | 106  | 4585     | 0.522 | ug/L   | 93       |
| 55) Styrene                    | 10.11 | 104  | 6902     | 0.471 | ug/L   | 99       |
| 56) Isopropylbenzene           | 10.48 | 105  | 11462    | 0.483 | ug/L   | 98       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.78 | 83   | 2861     | 0.543 | ug/L # | 86       |
| 59) 1,2,3-Trichloropropane     | 10.82 | 75   | 1910m    | 0.489 | ug/L   |          |
| 61) Bromoform                  | 10.29 | 173  | 1193     | 0.437 | ug/L # | 86       |
| 62) 1,3-Dichlorobenzene        | 11.74 | 146  | 5406     | 0.505 | ug/L   | 96       |
| 63) 1,4-Dichlorobenzene        | 11.83 | 146  | 6279     | 0.576 | ug/L   | 95       |
| 65) 1,2-Dichlorobenzene        | 12.21 | 146  | 5817     | 0.562 | ug/L   | 95       |
| 66) 1,2-Dibromo-3-chloropropan | 13.00 | 75   | 334      | 0.437 | ug/L # | 80       |
| 67) 1,3,5-Trichlorobenzene     | 13.21 | 180  | 4321     | 0.562 | ug/L   | 93       |
| 68) 1,2,4-trichlorobenzene     | 13.83 | 180  | 3423     | 0.532 | ug/L   | 97       |
| 69) Naphthalene                | 14.08 | 128  | 4751     | 0.430 | ug/L   | 97       |
| 70) 1,2,3-Trichlorobenzene     | 14.32 | 180  | 2704     | 0.466 | ug/L   | 87       |

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

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