

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU072120\  
 Data File : VU039595.D  
 Acq On : 21 Jul 2020 14:03  
 Operator : SY/MD  
 Sample : L3348-14  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAXZ6

Quant Time: Jul 22 02:33:25 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR072120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Jul 22 02:01:33 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.27  | 114  | 117021   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 112705   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 53597    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 24113    | 4.44     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 88.80% |
| 7) Chloroethane-d5             | 1.93   | 69    | 24002    | 4.05     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 81.00% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 55390    | 4.54     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 90.80% |
| 20) 2-Butanone-d5              | 4.66   | 46    | 115454   | 47.12    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 94.24% |
| 24) Chloroform-d               | 5.09   | 84    | 61649    | 4.48     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.60% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 41693    | 4.58     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.60% |
| 32) Benzene-d6                 | 5.74   | 84    | 123328   | 4.55     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.00% |
| 36) 1,2-Dichloropropane-d6     | 6.71   | 67    | 39750    | 4.46     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 89.20% |
| 41) Toluene-d8                 | 7.91   | 98    | 112189   | 4.37     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.40% |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 16878    | 4.35     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 87.00% |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 87124    | 45.95    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 91.90% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76  | 84    | 37768    | 4.56     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 91.20% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 44372    | 4.60     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 92.00% |

## Target Compounds

|                             |      |     |        |         | Qvalue   |
|-----------------------------|------|-----|--------|---------|----------|
| 3) Chloromethane            | 1.53 | 50  | 26158  | 4.209   | ug/L 93  |
| 6) Bromomethane             | 1.87 | 94  | 17100  | 3.978   | ug/L 99  |
| 9) Trichlorofluoromethane   | 2.15 | 101 | 114325 | 8.117   | ug/L 99  |
| 12) 1,1-Dichloroethene      | 2.59 | 96  | 21629  | 3.908   | ug/L 85  |
| 13) Acetone                 | 2.67 | 43  | 103046 | 75.577  | ug/L 99  |
| 14) Carbon disulfide        | 2.81 | 76  | 99752  | 5.992   | ug/L 100 |
| 16) Methylene chloride      | 3.06 | 84  | 19466  | 2.435   | ug/L 96  |
| 17) Methyl tert-butyl Ether | 3.38 | 73  | 159198 | 9.051   | ug/L 99  |
| 19) 1,1-Dichloroethane      | 3.89 | 63  | 114840 | 9.113   | ug/L 99  |
| 21) 2-Butanone              | 4.74 | 43  | 261844 | 110.864 | ug/L 99  |
| 27) 1,2-Dichloroethane      | 5.81 | 62  | 72555  | 7.425   | ug/L 99  |
| 29) 1,1,1-Trichloroethane   | 5.34 | 97  | 103774 | 8.715   | ug/L 97  |
| 30) Cyclohexane             | 5.41 | 56  | 129927 | 12.388  | ug/L 97  |
| 34) Trichloroethene         | 6.56 | 95  | 39274  | 5.266   | ug/L 96  |
| 35) Methylcyclohexane       | 6.78 | 83  | 77447  | 7.068   | ug/L 97  |
| 37) 1,2-Dichloropropane     | 6.81 | 63  | 16917  | 2.244   | ug/L 100 |
| 42) Toluene                 | 7.98 | 91  | 267946 | 9.037   | ug/L 98  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 47) Tetrachloroethene          | 8.56  | 164  | 45581    | 8.935  | ug/L  | 92       |
| 48) 2-Hexanone                 | 8.69  | 43   | 221647   | 50.894 | ug/L  | 100      |
| 50) 1,2-Dibromoethane          | 8.93  | 107  | 88441    | 15.773 | ug/L  | 98       |
| 51) Chlorobenzene              | 9.45  | 112  | 212973   | 11.224 | ug/L  | 97       |
| 52) Ethylbenzene               | 9.57  | 91   | 227537   | 6.747  | ug/L  | 99       |
| 53) m,p-Xylene                 | 9.70  | 106  | 176421   | 14.018 | ug/L  | 98       |
| 54) o-Xylene                   | 10.10 | 106  | 69995    | 5.696  | ug/L  | 97       |
| 55) Styrene                    | 10.12 | 104  | 116992   | 5.669  | ug/L  | 96       |
| 56) Isopropylbenzene           | 10.48 | 105  | 116408   | 3.470  | ug/L  | 100      |
| 61) Bromoform                  | 10.29 | 173  | 20466    | 5.393  | ug/L  | 97       |
| 63) 1,4-Dichlorobenzene        | 11.83 | 146  | 64441    | 4.395  | ug/L  | 99       |
| 65) 1,2-Dichlorobenzene        | 12.21 | 146  | 174100   | 12.378 | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 12.99 | 75   | 4724     | 4.393  | ug/L  | 95       |
| 70) 1,2,3-Trichlorobenzene     | 14.32 | 180  | 86103    | 11.259 | ug/L  | 98       |

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

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