

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110920\  
 Data File : VU041147.D  
 Acq On : 09 Nov 2020 17:41  
 Operator : SY/MD  
 Sample : L4646-14  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 10 03:32:53 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR102620WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Nov 10 01:04:12 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 68618    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 68097    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 35373    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 16609    | 2.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 57.60%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 19694    | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 89.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 28557    | 2.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 50.60%# |
| 20) 2-Butanone-d5              | 4.67   | 46    | 78949    | 41.59    | ug/L | 0.02    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 83.18%  |
| 24) Chloroform-d               | 5.08   | 84    | 44031    | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 27719    | 4.39     | ug/L | 0.03    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.80%  |
| 32) Benzene-d6                 | 5.76   | 84    | 78656    | 4.32     | ug/L | 0.02    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 26373    | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 89.00%  |
| 41) Toluene-d8                 | 7.91   | 98    | 77031    | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.40%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 14472    | 5.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 112.60% |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 74497    | 53.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 107.66% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76  | 84    | 26190    | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 95.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 32890    | 5.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 106.00% |

## Target Compounds

|                              |       |     |           |          | Ovalue    |
|------------------------------|-------|-----|-----------|----------|-----------|
| 5) Vinyl chloride            | 1.60  | 62  | 15735     | 2.442    | ug/L 99   |
| 8) Chloroethane              | 1.94  | 64  | 2579m     | 0.632    | ug/L      |
| 18) trans-1,2-Dichloroethene | 3.38  | 96  | 7207      | 1.463    | ug/L 91   |
| 22) cis-1,2-Dichloroethene   | 4.69  | 96  | 170734    | 33.603   | ug/L 97   |
| 30) Cyclohexane              | 5.41  | 56  | 1727314   | 210.503  | ug/L 98   |
| 33) Benzene                  | 5.80  | 78  | 36487335m | 1793.217 | ug/L      |
| 34) Trichloroethene          | 6.59  | 95  | 12690     | 2.451    | ug/L # 18 |
| 35) Methylcyclohexane        | 6.77  | 83  | 342101    | 44.291   | ug/L 89   |
| 42) Toluene                  | 7.98  | 91  | 693573    | 33.615   | ug/L 99   |
| 52) Ethylbenzene             | 9.57  | 91  | 1381482   | 63.610   | ug/L 99   |
| 53) m,p-Xylene               | 9.71  | 106 | 4784503   | 604.058  | ug/L 98   |
| 54) o-Xylene                 | 10.10 | 106 | 99245     | 13.454   | ug/L 96   |
| 56) Isopropylbenzene         | 10.48 | 105 | 1012652   | 51.052   | ug/L 99   |

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

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