

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121420\  
 Data File : VU041608.D  
 Acq On : 14 Dec 2020 13:19  
 Operator : SY/MD  
 Sample : L5029-09  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GB1K7

Quant Time: Dec 15 01:06:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR121220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Dec 15 00:46:25 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 135877   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 131218   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 70055    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 49364    | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 93.00%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 39881    | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 97.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 82220    | 4.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 84.00%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 162723   | 53.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 106.66% |
| 24) Chloroform-d               | 5.08   | 84    | 94637    | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 104.00% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 51763    | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 100.20% |
| 32) Benzene-d6                 | 5.74   | 84    | 182288   | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 56560    | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 96.00%  |
| 41) Toluene-d8                 | 7.91   | 98    | 175117   | 5.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.20% |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 26995    | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 102.00% |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 147582   | 50.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 101.94% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 53352    | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 99.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 62856    | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.00% |

## Target Compounds

|                                |      |     |        |              | Ovalue |
|--------------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 42953  | 3.731 ug/L   | 99     |
| 5) Vinyl chloride              | 1.61 | 62  | 46554  | 3.770 ug/L   | 99     |
| 8) Chloroethane                | 1.94 | 64  | 99521  | 11.865 ug/L  | 97     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 104143 | 11.141 ug/L  | 99     |
| 12) 1,1-Dichloroethene         | 2.59 | 96  | 20993  | 2.278 ug/L # | 73     |
| 13) Acetone                    | 2.66 | 43  | 356795 | 183.828 ug/L | 99     |
| 15) Methyl Acetate             | 2.97 | 43  | 50373  | 9.983 ug/L   | 93     |
| 16) Methylene chloride         | 3.06 | 84  | 2647   | 0.240 ug/L   | 89     |
| 18) trans-1,2-Dichloroethene   | 3.37 | 96  | 27068  | 2.839 ug/L   | 97     |
| 19) 1,1-Dichloroethane         | 3.89 | 63  | 37940  | 2.129 ug/L   | 98     |
| 22) cis-1,2-Dichloroethene     | 4.69 | 96  | 44491  | 4.222 ug/L   | 96     |
| 23) Bromochloromethane         | 4.99 | 128 | 26116  | 5.395 ug/L   | 91     |
| 25) Chloroform                 | 5.11 | 83  | 146837 | 8.183 ug/L   | 99     |
| 27) 1,2-Dichloroethane         | 5.81 | 62  | 25842  | 2.127 ug/L   | 98     |
| 29) 1,1,1-Trichloroethane      | 5.33 | 97  | 30722  | 2.039 ug/L   | 98     |
| 31) Carbon tetrachloride       | 5.54 | 117 | 42333  | 3.249 ug/L   | 99     |
| 34) Trichloroethene            | 6.56 | 95  | 23648  | 2.243 ug/L   | 98     |

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| Internal Standards            | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 39) cis-1,3-Dichloropropene   | 7.62  | 75   | 77442    | 4.869  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.80  | 43   | 462395   | 60.538 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.22  | 75   | 36333    | 2.554  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.40  | 97   | 17337    | 2.184  | ug/L  | 97       |
| 47) Tetrachloroethene         | 8.56  | 164  | 25286    | 3.425  | ug/L  | 94       |
| 50) 1,2-Dibromoethane         | 8.93  | 107  | 40570    | 5.167  | ug/L  | 95       |
| 51) Chlorobenzene             | 9.45  | 112  | 168770   | 6.267  | ug/L  | 98       |
| 58) 1,1,2,2-Tetrachloroethane | 10.78 | 83   | 19062    | 1.726  | ug/L  | 95       |
| 61) Bromoform                 | 10.29 | 173  | 17478    | 3.300  | ug/L  | 98       |
| 62) 1,3-Dichlorobenzene       | 11.74 | 146  | 68445    | 3.195  | ug/L  | 99       |
| 63) 1,4-Dichlorobenzene       | 11.83 | 146  | 46609    | 2.164  | ug/L  | 98       |
| 68) 1,2,4-trichlorobenzene    | 13.83 | 180  | 65941    | 4.832  | ug/L  | 97       |
| 70) 1,2,3-Trichlorobenzene    | 14.32 | 180  | 36765    | 2.826  | ug/L  | 99       |

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

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