

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_R\DATA\VR112018\  
 Data File : VR026241.D  
 Acq On : 20 Nov 2018 22:42  
 Operator : SY/MD  
 Sample : J6026-02  
 Misc : 25mL/MSVOA\_R/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 H0FK1

Manual Integrations  
 APPROVED

Quant Time: Nov 21 10:26:20 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR112018WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Nov 21 03:23:51 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 567442   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 467144   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152  | 146811   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |                |     |            |         |      |      |                       |
|--------------------------------|----------------|-----|------------|---------|------|------|-----------------------|
| 4) Vinyl Chloride-d3           | 2.17           | 65  | 211664     | 4.90    | ug/L | 0.02 | MMDadoda              |
| Spiked Amount 5.000            | Range 40 - 130 |     | Recovery = | 98.00%  |      |      |                       |
| 7) Chloroethane-d5             | 2.62           | 69  | 199249     | 5.13    | ug/L | 0.00 |                       |
| Spiked Amount 5.000            | Range 65 - 130 |     | Recovery = | 102.60% |      |      |                       |
| 11) 1,1-Dichloroethene-d2      | 3.61           | 63  | 421619     | 3.84    | ug/L | 0.00 | 11/21/2018 5:40:10 PM |
| Spiked Amount 5.000            | Range 60 - 125 |     | Recovery = | 76.80%  |      |      |                       |
| 20) 2-Butanone-d5              | 6.59           | 46  | 198744     | 49.60   | ug/L | 0.00 |                       |
| Spiked Amount 50.000           | Range 40 - 130 |     | Recovery = | 99.20%  |      |      |                       |
| 24) Chloroform-d               | 7.20           | 84  | 387419     | 4.57    | ug/L | 0.00 |                       |
| Spiked Amount 5.000            | Range 70 - 125 |     | Recovery = | 91.40%  |      |      |                       |
| 26) 1,2-Dichloroethane-d4      | 7.90           | 65  | 155906     | 4.73    | ug/L | 0.00 |                       |
| Spiked Amount 5.000            | Range 70 - 130 |     | Recovery = | 94.60%  |      |      |                       |
| 32) Benzene-d6                 | 7.85           | 84  | 776386     | 4.78    | ug/L | 0.00 |                       |
| Spiked Amount 5.000            | Range 70 - 125 |     | Recovery = | 95.60%  |      |      |                       |
| 36) 1,2-Dichloropropane-d6     | 8.90           | 67  | 205823     | 5.04    | ug/L | 0.00 |                       |
| Spiked Amount 5.000            | Range 60 - 140 |     | Recovery = | 100.80% |      |      |                       |
| 41) Toluene-d8                 | 9.97           | 98  | 710464     | 4.71    | ug/L | 0.00 |                       |
| Spiked Amount 5.000            | Range 70 - 130 |     | Recovery = | 94.20%  |      |      |                       |
| 43) trans-1,3-Dichloropropene- | 10.24          | 79  | 48801      | 4.38    | ug/L | 0.00 |                       |
| Spiked Amount 5.000            | Range 55 - 130 |     | Recovery = | 87.60%  |      |      |                       |
| 46) 2-Hexanone-d5              | 10.59          | 63  | 142882     | 55.31   | ug/L | 0.00 |                       |
| Spiked Amount 50.000           | Range 45 - 130 |     | Recovery = | 110.62% |      |      |                       |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36          | 84  | 75772      | 4.56    | ug/L | 0.00 |                       |
| Spiked Amount 5.000            | Range 65 - 120 |     | Recovery = | 91.20%  |      |      |                       |
| 64) 1,2-Dichlorobenzene-d4     | 13.52          | 152 | 135128     | 5.34    | ug/L | 0.00 |                       |
| Spiked Amount 5.000            | Range 80 - 120 |     | Recovery = | 106.80% |      |      |                       |

## Target Compounds

| Target Compounds             | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|------------------------------|-------|------|----------|---------|--------|--------|
| 5) Vinyl chloride            | 2.18  | 62   | 495732   | 9.878   | ug/L   | 98     |
| 17) Methyl tert-butyl Ether  | 4.89  | 73   | 409256   | 8.312   | ug/L   | 98     |
| 18) trans-1,2-Dichloroethene | 4.89  | 96   | 338919   | 7.748   | ug/L   | 93     |
| 19) 1,1-Dichloroethane       | 5.69  | 63   | 67941    | 0.865   | ug/L   | 95     |
| 22) cis-1,2-Dichloroethene   | 6.68  | 96   | 4325624  | 109.732 | ug/L # | 94     |
| 33) Benzene                  | 7.91  | 78   | 52798m   | 0.309   | ug/L   |        |
| 34) Trichloroethene          | 8.71  | 95   | 2968163  | 65.653  | ug/L   | 94     |
| 47) Tetrachloroethene        | 10.51 | 164  | 37521    | 1.130   | ug/L   | 97     |

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

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