

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092418\  
 Data File : VV007825.D  
 Acq On : 24 Sep 2018 18:58  
 Operator : SY/MD  
 Sample : J5012-02 20X  
 Misc : 5.0 mL/MSVOA V/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C08K4

Quant Time: Sep 25 04:33:29 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM092318WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Sep 25 04:04:32 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 194251   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 187191   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 103064   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 38928    | 36.87    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 73.74% |
| 7) Chloroethane-d5             | 1.59    | 69    | 40469    | 42.18    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 84.36% |
| 11) 1,1-Dichloroethene-d2      | 2.14    | 63    | 76054    | 30.55    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 61.10% |
| 21) 2-Butanone-d5              | 3.95    | 46    | 63067    | 90.45    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 90.45% |
| 24) Chloroform-d               | 4.41    | 84    | 93944    | 41.56    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.12% |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 64588    | 44.80    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.60% |
| 32) Benzene-d6                 | 5.11    | 84    | 183177   | 42.57    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.14% |
| 36) 1,2-Dichloropropane-d6     | 6.13    | 67    | 55233    | 43.47    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 86.94% |
| 41) Toluene-d8                 | 7.36    | 98    | 184238   | 40.98    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 81.96% |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 24446    | 38.16    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 76.32% |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 47801    | 85.43    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 85.43% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 84713    | 42.71    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 85.42% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 93255    | 43.99    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.98% |

## Target Compounds

|                            |       |     |        |        | Ovalue   |
|----------------------------|-------|-----|--------|--------|----------|
| 33) Benzene                | 5.15  | 78  | 5714   | 1.274  | ug/L 100 |
| 51) Chlorobenzene          | 8.93  | 112 | 53551  | 13.988 | ug/L 98  |
| 62) 1,3-Dichlorobenzene    | 11.23 | 146 | 13226  | 4.047  | ug/L 98  |
| 63) 1,4-Dichlorobenzene    | 11.32 | 146 | 151419 | 44.672 | ug/L 99  |
| 65) 1,2-Dichlorobenzene    | 11.69 | 146 | 88473  | 26.775 | ug/L 100 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 233315 | 94.720 | ug/L 100 |
| 70) 1,2,3-Trichlorobenzene | 13.80 | 180 | 73842  | 29.659 | ug/L 99  |

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

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