

Data File : VV012192.D  
Acq On : 11 Aug 2019 14:45  
Operator : SY/MD  
Sample : K4248-07DL 40X  
Misc : 5mL/MSVOA\_V/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
F2B14DL

Quant Time: Aug 12 02:52:25 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081019WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Aug 12 02:03:52 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 345893   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 331129   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 162010   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 67427    | 52.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 105.98% |
| 7) Chloroethane-d5             | 1.58    | 69    | 46583    | 57.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 114.82% |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 91439    | 38.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 76.02%  |
| 21) 2-Butanone-d5              | 3.93    | 46    | 71212    | 113.18   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 113.18% |
| 24) Chloroform-d               | 4.40    | 84    | 118728   | 44.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.82%  |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 72993    | 48.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.30%  |
| 32) Benzene-d6                 | 5.10    | 84    | 250917   | 48.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.74%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 71013    | 50.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 101.70% |
| 41) Toluene-d8                 | 7.36    | 98    | 224332   | 45.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.74%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 33879    | 44.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.54%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 49181    | 92.05    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 92.05%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26   | 84    | 92389    | 48.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 96.50%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 91864    | 47.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.96%  |

#### Target Compounds

|                            |      |     |       |             | Qvalue |
|----------------------------|------|-----|-------|-------------|--------|
| 5) Vinyl chloride          | 1.32 | 62  | 17183 | 8.985 ug/L  | 97     |
| 20) cis-1,2-Dichloroethene | 3.96 | 96  | 28822 | 12.391 ug/L | 96     |
| 34) Trichloroethene        | 5.96 | 95  | 87995 | 38.518 ug/L | 94     |
| 46) Tetrachloroethene      | 8.02 | 164 | 19997 | 9.157 ug/L  | 94     |

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

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