

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120619\  
 Data File : VV013941.D  
 Acq On : 06 Dec 2019 14:37  
 Operator : SY/MD  
 Sample : K6190-04  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFR97

Manual Integrations  
 APPROVED

apatel  
 12/9/2019 2:05:53 PM

Quant Time: Dec 07 02:51:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM120219WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Dec 07 01:39:07 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 539339   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 498589   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 193676   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 185722   | 59.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 119.08% |
| 7) Chloroethane-d5             | 1.56    | 69    | 187912   | 57.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 115.42% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 300451m  | 43.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.12%  |
| 21) 2-Butanone-d5              | 3.92    | 46    | 234497   | 106.81   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 106.81% |
| 24) Chloroform-d               | 4.39    | 84    | 339906   | 51.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.78% |
| 26) 1,2-Dichloroethane-d4      | 5.07    | 65    | 215395   | 51.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.78% |
| 32) Benzene-d6                 | 5.09    | 84    | 694195   | 53.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 107.46% |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 215709   | 55.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 111.24% |
| 41) Toluene-d8                 | 7.35    | 98    | 595030   | 50.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.04% |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 90928    | 48.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 96.36%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 135235   | 93.39    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 93.39%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 269265   | 47.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.90%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 222576   | 58.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 117.02% |

| Target Compounds |      |     |      |            | Ovalue |
|------------------|------|-----|------|------------|--------|
| 13) Acetone      | 2.18 | 43  | 5946 | 1.848 ug/L | 83     |
| 53) m,p-Xylene   | 9.18 | 106 | 6005 | 0.919 ug/L | 96     |

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

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