

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV041119\  
 Data File : VV010235.D  
 Acq On : 11 Apr 2019 10:44  
 Operator : SY/MD  
 Sample : VV0411SBL01  
 Misc : 5.00G/10mL/MSVOA\_V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK66

Quant Time: Apr 12 01:41:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041019S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 12 01:24:48 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 303174   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 290696   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 129970   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 87963    | 25.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 100.84% |
| 7) Chloroethane-d5             | 1.57   | 69    | 76760    | 25.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 102.36% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 166889   | 18.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 75.16%  |
| 20) 2-Butanone-d5              | 3.93   | 46    | 38575    | 43.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 87.36%  |
| 24) Chloroform-d               | 4.40   | 84    | 166120   | 23.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 95.96%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 92596    | 23.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 93.92%  |
| 29) Benzene-d6                 | 5.10   | 84    | 357994   | 25.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 102.16% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 101797   | 24.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 97.68%  |
| 37) Toluene-d8                 | 7.36   | 98    | 346576   | 25.35    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 101.40% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 37966    | 21.84    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 87.36%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 29637    | 41.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 82.32%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 82469    | 22.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 88.16%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 122020   | 25.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 101.68% |

| Target Compounds       |      |    |      |            | Qvalue |
|------------------------|------|----|------|------------|--------|
| 16) Methylene chloride | 2.53 | 84 | 9549 | 1.608 ug/L | 88     |

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

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