

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040819\  
 Data File : VV010203.D  
 Acq On : 09 Apr 2019 04:34  
 Operator : SY/MD  
 Sample : K2254-20  
 Misc : 6.26G/10mL/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFC41

Quant Time: Apr 09 08:50:17 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM040219S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 09 07:35:38 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 188026   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 168834   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 64501    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 36200    | 14.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 57.52%  |
| 7) Chloroethane-d5             | 1.56   | 69    | 48440    | 15.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 61.96%  |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 59637    | 9.39     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 37.56%# |
| 20) 2-Butanone-d5              | 3.93   | 46    | 35679    | 49.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 99.62%  |
| 24) Chloroform-d               | 4.40   | 84    | 96732    | 20.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 81.68%  |
| 26) 1,2-Dichloroethane-d4      | 5.07   | 65    | 66917    | 25.25    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 101.00% |
| 29) Benzene-d6                 | 5.09   | 84    | 200318   | 22.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 91.52%  |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 66425    | 25.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 102.84% |
| 37) Toluene-d8                 | 7.36   | 98    | 175658   | 20.82    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 83.28%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 21357    | 19.34    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 77.36%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 24588    | 47.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 94.90%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 59760    | 23.45    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 93.80%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 60601    | 24.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 96.48%  |

| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 2.19 | 43 | 3800  | 5.366 ug/L | 92     |
| 16) Methylene chloride | 2.53 | 84 | 12241 | 3.705 ug/L | 98     |

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

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