

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042219\  
 Data File : VV010441.D  
 Acq On : 23 Apr 2019 07:18  
 Operator : SY/MD  
 Sample : K2481-05  
 Misc : 5.09G/10mL/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAHW0

Quant Time: Apr 23 08:23:21 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM042219S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 23 07:55:10 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 416955   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 385199   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 171126   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 64167    | 11.17    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 44.68%  |
| 7) Chloroethane-d5             | 1.57   | 69    | 65759    | 14.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 58.88%  |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 111082   | 10.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 41.44%# |
| 20) 2-Butanone-d5              | 3.92   | 46    | 48033    | 35.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 71.52%  |
| 24) Chloroform-d               | 4.40   | 84    | 199970   | 19.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 78.48%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 120991   | 19.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 77.44%  |
| 29) Benzene-d6                 | 5.09   | 84    | 375951   | 21.14    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 84.56%  |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 119106   | 22.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 90.84%  |
| 37) Toluene-d8                 | 7.36   | 98    | 344831   | 18.82    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 75.28%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 41414    | 16.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 64.12%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 36653    | 35.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 70.34%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 93302    | 18.25    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 73.00%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 131239   | 20.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 80.72%  |

| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 2.19 | 43 | 7827  | 5.437 ug/L | 96     |
| 16) Methylene chloride | 2.53 | 84 | 10608 | 1.735 ug/L | 95     |

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

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