

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050619\  
 Data File : VV010681.D  
 Acq On : 06 May 2019 16:38  
 Operator : SY/MD  
 Sample : K2634-03MSD  
 Misc : 5.10G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAJB2MSD

Quant Time: May 07 04:40:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM050219S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue May 07 04:01:38 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 222310   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 213839   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 94873    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 33502    | 11.90    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 47.60% |
| 7) Chloroethane-d5             | 1.58   | 69    | 27956    | 14.19    | ug/L | 0.01   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 56.76% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 72324    | 14.65    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 58.60% |
| 20) 2-Butanone-d5              | 3.94   | 46    | 25740    | 30.06    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 60.12% |
| 24) Chloroform-d               | 4.40   | 84    | 108888   | 18.96    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 75.84% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 58343    | 17.73    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 70.92% |
| 29) Benzene-d6                 | 5.10   | 84    | 229898   | 20.75    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 83.00% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 71131    | 20.95    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 83.80% |
| 37) Toluene-d8                 | 7.36   | 98    | 215836   | 20.27    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 81.08% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 25644    | 18.28    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 73.12% |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 21185    | 35.05    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 70.10% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 51442    | 16.81    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 67.24% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 80230    | 21.98    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 87.92% |

## Target Compounds

| Target Compounds       | R.T. | QIon | Response | Conc   | Units | Ovalue |
|------------------------|------|------|----------|--------|-------|--------|
| 12) 1,1-Dichloroethene | 2.14 | 96   | 36925    | 17.289 | ug/L  | 98     |
| 34) Benzene            | 5.15 | 78   | 245001   | 23.967 | ug/L  | 100    |
| 35) Trichloroethene    | 5.96 | 95   | 67076    | 23.005 | ug/L  | 99     |
| 44) Toluene            | 7.43 | 91   | 286870   | 25.427 | ug/L  | 99     |
| 52) Chlorobenzene      | 8.93 | 112  | 187626   | 23.829 | ug/L  | 98     |

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

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