

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\  
 Data File : VV010707.D  
 Acq On : 07 May 2019 22:38  
 Operator : SY/MD  
 Sample : K2633-16  
 Misc : 5.10G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAJA8

Quant Time: May 08 04:39:32 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM050719S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed May 08 03:02:12 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 119522   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 116485   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 46519    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 28736    | 15.48    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 61.92% |
| 7) Chloroethane-d5             | 1.57   | 69    | 27570    | 18.04    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 72.16% |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 45870    | 11.39    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 45.56% |
| 20) 2-Butanone-d5              | 3.93   | 46    | 23909    | 42.91    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 85.82% |
| 24) Chloroform-d               | 4.40   | 84    | 66563    | 20.43    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 81.72% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 43925    | 21.58    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 86.32% |
| 29) Benzene-d6                 | 5.10   | 84    | 133341   | 21.75    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 87.00% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 44427    | 22.74    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 90.96% |
| 37) Toluene-d8                 | 7.36   | 98    | 115428   | 19.66    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 78.64% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 14933    | 16.77    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 67.08% |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 18574    | 45.43    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 90.86% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 38467    | 20.95    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 83.80% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 41103    | 22.81    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 91.24% |

| Target Compounds |      |    |      |            | Ovalue |
|------------------|------|----|------|------------|--------|
| 13) Acetone      | 2.19 | 43 | 2847 | 3.301 ug/L | 99     |

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

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