

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100419\  
 Data File : VV013041.D  
 Acq On : 04 Oct 2019 11:56  
 Operator : SY/MD  
 Sample : K5202-01  
 Misc : 5.19G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AA0

Quant Time: Oct 04 18:41:02 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM092319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Oct 04 18:24:09 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 691685   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 641935   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 261348   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 202887   | 18.90    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.60% |
| 7) Chloroethane-d5             | 1.58   | 69    | 181179   | 20.88    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 83.52% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 275758   | 15.45    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 61.80% |
| 20) 2-Butanone-d5              | 3.94   | 46    | 129461   | 34.94    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 69.88% |
| 24) Chloroform-d               | 4.40   | 84    | 396510   | 20.87    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 83.48% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 223831   | 20.27    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 81.08% |
| 29) Benzene-d6                 | 5.09   | 84    | 792887   | 22.12    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 88.48% |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 256506   | 22.83    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 91.32% |
| 37) Toluene-d8                 | 7.36   | 98    | 678422   | 20.85    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 83.40% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 91383    | 19.21    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 76.84% |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 79546    | 35.19    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 70.38% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 201807   | 18.91    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 75.64% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 224560   | 22.12    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 88.48% |

| Target Compounds       |      |    |       | Ovalue        |
|------------------------|------|----|-------|---------------|
| 13) Acetone            | 2.20 | 43 | 24612 | 6.249 ug/L 94 |
| 16) Methylene chloride | 2.54 | 84 | 14466 | 1.399 ug/L 95 |

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

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