

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092419\  
 Data File : VV012964.D  
 Acq On : 24 Sep 2019 17:10  
 Operator : SY/MD  
 Sample : K5001-01  
 Misc : 4.91G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BEDL7

Quant Time: Sep 25 02:17:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM092319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Sep 25 01:56:58 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 741225   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 677762   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 265657   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 219700   | 19.10    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 76.40% |
| 7) Chloroethane-d5             | 1.58   | 69    | 198438   | 21.34    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 85.36% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 289818   | 15.15    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 60.60% |
| 20) 2-Butanone-d5              | 3.95   | 46    | 148803   | 37.47    | ug/L | 0.02   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 74.94% |
| 24) Chloroform-d               | 4.40   | 84    | 426465   | 20.94    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 83.76% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 251845   | 21.28    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 85.12% |
| 29) Benzene-d6                 | 5.10   | 84    | 879185   | 23.23    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 92.92% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 281363   | 23.72    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 94.88% |
| 37) Toluene-d8                 | 7.36   | 98    | 752969   | 21.92    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 87.68% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 100676   | 20.04    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 80.16% |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 97748    | 40.95    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 81.90% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 229701   | 20.39    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 81.56% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 241765   | 23.42    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 93.68% |

| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 16) Methylene chloride | 2.53 | 84 | 34193 | 3.086 ug/L | 99     |

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

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