

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022619\  
 Data File : VV009384.D  
 Acq On : 26 Feb 2019 23:00  
 Operator : SY/MD  
 Sample : K1622-08  
 Misc : 4.60G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF5J2

Quant Time: Feb 27 06:35:27 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM022619S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Feb 27 04:43:55 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 136421   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 131074   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 59536    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 27079    | 15.78    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 63.12%  |
| 7) Chloroethane-d5             | 1.57   | 69    | 34758    | 15.58    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 62.32%  |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 68704    | 15.14    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 60.56%  |
| 20) 2-Butanone-d5              | 3.95   | 46    | 18734    | 36.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 72.46%  |
| 24) Chloroform-d               | 4.40   | 84    | 80677    | 24.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 97.52%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 50965    | 27.84    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 111.36% |
| 29) Benzene-d6                 | 5.10   | 84    | 161617   | 23.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 92.80%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 53691    | 26.29    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 105.16% |
| 37) Toluene-d8                 | 7.36   | 98    | 150129   | 22.46    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 89.84%  |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 21399    | 20.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 83.88%  |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 17819    | 41.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 82.46%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 53573    | 26.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 107.44% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 54859    | 24.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 99.52%  |

| Target Compounds       |      |    |      |            | Ovalue |
|------------------------|------|----|------|------------|--------|
| 16) Methylene chloride | 2.54 | 84 | 4718 | 2.553 ug/L | 85     |

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

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