

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040219\  
 Data File : VV010084.D  
 Acq On : 03 Apr 2019 03:11  
 Operator : SY/MD  
 Sample : K2148-22  
 Misc : 5.88G/10mL/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF5H2

Manual Integrations  
 APPROVED

MMDadoda  
 4/6/2019 5:02:20 AM

Quant Time: Apr 03 09:02:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM040219S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 03 06:44:57 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|--------------------------------|----------------|------|------------|---------|-------|----------|
| 1) 1,4-Difluorobenzene         | 5.66           | 114  | 259665     | 25.00   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5           | 8.89           | 117  | 239425     | 25.00   | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4     | 11.30          | 152  | 77772      | 25.00   | ug/L  | 0.00     |
| System Monitoring Compounds    |                |      |            |         |       |          |
| 4) Vinyl Chloride-d3           | 1.31           | 65   | 65706      | 18.90   | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 30 - 150 |      | Recovery = | 75.60%  |       |          |
| 7) Chloroethane-d5             | 1.57           | 69   | 106203     | 24.60   | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 30 - 150 |      | Recovery = | 98.40%  |       |          |
| 10) 1,1-Dichloroethene-d2      | 2.12           | 63   | 133730     | 15.25   | ug/L  | -0.01    |
| Spiked Amount 25.000           | Range 45 - 110 |      | Recovery = | 61.00%  |       |          |
| 20) 2-Butanone-d5              | 3.95           | 46   | 19748m     | 19.96   | ug/L  | 0.00     |
| Spiked Amount 50.000           | Range 20 - 135 |      | Recovery = | 39.92%  |       |          |
| 24) Chloroform-d               | 4.40           | 84   | 163890     | 25.05   | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 40 - 150 |      | Recovery = | 100.20% |       |          |
| 26) 1,2-Dichloroethane-d4      | 5.08           | 65   | 98257      | 26.85   | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 70 - 130 |      | Recovery = | 107.40% |       |          |
| 29) Benzene-d6                 | 5.09           | 84   | 329690     | 26.55   | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 20 - 135 |      | Recovery = | 106.20% |       |          |
| 33) 1,2-Dichloropropane-d6     | 6.12           | 67   | 99755      | 27.22   | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 70 - 120 |      | Recovery = | 108.88% |       |          |
| 37) Toluene-d8                 | 7.36           | 98   | 279325     | 23.35   | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 30 - 130 |      | Recovery = | 93.40%  |       |          |
| 38) trans-1,3-Dichloropropene- | 7.66           | 79   | 28455      | 18.17   | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 30 - 135 |      | Recovery = | 72.68%  |       |          |
| 39) 2-Hexanone-d5              | 8.14           | 63   | 12743      | 17.34   | ug/L  | 0.00     |
| Spiked Amount 50.000           | Range 20 - 135 |      | Recovery = | 34.68%  |       |          |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26          | 84   | 78752      | 21.79   | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 45 - 120 |      | Recovery = | 87.16%  |       |          |
| 61) 1,2-Dichlorobenzene-d4     | 11.67          | 152  | 78339      | 25.86   | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 75 - 120 |      | Recovery = | 103.44% |       |          |
| Target Compounds               |                |      |            |         |       |          |
| 13) Acetone                    | 2.20           | 43   | 2217       | 2.267   | ug/L  | 71       |
| 16) Methylene chloride         | 2.53           | 84   | 12724      | 2.789   | ug/L  | 89       |

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

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