

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050219\  
 Data File : VV010665.D  
 Acq On : 03 May 2019 18:35  
 Operator : SY/MD  
 Sample : K2603-11RE  
 Misc : 5.09G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAJ63RE

Manual Integrations  
 APPROVED

MMDadoda  
 5/6/2019 11:53:15 AM

Quant Time: May 04 00:55:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM050219S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 03 23:50:43 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 16505    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 13675    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 3098     | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 3756     | 17.97    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 71.88%   |
| 7) Chloroethane-d5             | 1.59   | 69    | 3080     | 21.06    | ug/L | 0.02     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 84.24%   |
| 10) 1,1-Dichloroethene-d2      | 2.14   | 63    | 7121     | 19.43    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 77.72%   |
| 20) 2-Butanone-d5              | 3.96   | 46    | 1638m    | 25.76    | ug/L | 0.04     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 51.52%   |
| 24) Chloroform-d               | 4.41   | 84    | 10067    | 23.61    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 94.44%   |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 5871     | 24.03    | ug/L | 0.01     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 96.12%   |
| 29) Benzene-d6                 | 5.11   | 84    | 20207    | 28.52    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 114.08%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 6536     | 30.11    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 120.44%# |
| 37) Toluene-d8                 | 7.36   | 98    | 17337    | 25.46    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 101.84%  |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 1839     | 20.50    | ug/L | 0.01     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 82.00%   |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 994      | 25.72    | ug/L | 0.02     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 51.44%   |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 4965     | 25.38    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 101.52%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 3840     | 32.21    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 128.84%# |

Target Compounds Ovalue

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

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