

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041819\  
 Data File : VV010378.D  
 Acq On : 19 Apr 2019 10:05  
 Operator : SY/MD  
 Sample : K2402-08MS  
 Misc : 5.03G/10mL/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAHH9MS

Manual Integrations  
 APPROVED

MMDadoda  
 4/23/2019 6:53:49 AM

Quant Time: Apr 20 03:53:06 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 20 02:27:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 54734    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 51086    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 24568    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 13472    | 19.38    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 77.52% |
| 7) Chloroethane-d5             | 1.59   | 69    | 12836    | 21.99    | ug/L | 0.03   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 87.96% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 35211    | 21.00    | ug/L | 0.02   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 84.00% |
| 20) 2-Butanone-d5              | 3.95   | 46    | 4802m    | 22.19    | ug/L | 0.02   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 44.38% |
| 24) Chloroform-d               | 4.41   | 84    | 31008    | 21.55    | ug/L | 0.02   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 86.20% |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 16940    | 19.94    | ug/L | 0.01   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 79.76% |
| 29) Benzene-d6                 | 5.10   | 84    | 54646    | 20.90    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 83.60% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 16840    | 22.00    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 88.00% |
| 37) Toluene-d8                 | 7.36   | 98    | 48873    | 19.44    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 77.76% |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 5772     | 15.33    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 61.32% |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 3565     | 20.92    | ug/L | 0.01   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 41.84% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 13552    | 17.71    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 70.84% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 20311    | 21.03    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 84.12% |

| Target Compounds       |      |     |       |             | Ovalue |
|------------------------|------|-----|-------|-------------|--------|
| 12) 1,1-Dichloroethene | 2.14 | 96  | 17131 | 24.093 ug/L | 93     |
| 16) Methylene chloride | 2.54 | 84  | 2694  | 3.082 ug/L  | 84     |
| 34) Benzene            | 5.15 | 78  | 65747 | 26.373 ug/L | 100    |
| 35) Trichloroethene    | 5.96 | 95  | 18495 | 25.076 ug/L | 99     |
| 44) Toluene            | 7.43 | 91  | 66824 | 23.778 ug/L | 99     |
| 52) Chlorobenzene      | 8.93 | 112 | 44795 | 22.907 ug/L | 99     |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\  
Data File : VV010378.D  
Acq On : 19 Apr 2019 10:05  
Operator : SY/MD  
Sample : K2402-08MS  
Misc : 5.03G/10mL/MSVOA V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAHH9MS

Manual Integrations  
APPROVED

MMDadoda  
4/23/2019 6:53:49 AM

Quant Time: Apr 20 03:53:06 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Apr 20 02:27:31 2019  
Response via : Initial Calibration

