

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092419\  
 Data File : VV012963.D  
 Acq On : 24 Sep 2019 16:42  
 Operator : SY/MD  
 Sample : K4984-07  
 Misc : 4.40G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BEDL1

Quant Time: Sep 25 02:15:31 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  | 848515   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 792157   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 353513   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 263973   | 20.05    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.20% |
| 7) Chloroethane-d5             | 1.58   | 69    | 230864   | 21.69    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.76% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 357942   | 16.35    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 65.40% |
| 20) 2-Butanone-d5              | 3.94   | 46    | 156116   | 34.34    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 68.68% |
| 24) Chloroform-d               | 4.40   | 84    | 504439   | 21.64    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 86.56% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 286815   | 21.17    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 84.68% |
| 29) Benzene-d6                 | 5.10   | 84    | 1068646  | 24.16    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 96.64% |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 336389   | 24.26    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 97.04% |
| 37) Toluene-d8                 | 7.36   | 98    | 940676   | 23.43    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 93.72% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 125276   | 21.34    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 85.36% |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 111655   | 40.02    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 80.04% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 258600   | 19.64    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 78.56% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 336685   | 24.51    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 98.04% |

| Target Compounds       |      |     |       |            | Ovalue |
|------------------------|------|-----|-------|------------|--------|
| 13) Acetone            | 2.20 | 43  | 17293 | 3.579 ug/L | 97     |
| 16) Methylene chloride | 2.53 | 84  | 18701 | 1.475 ug/L | 95     |
| 47) Tetrachloroethene  | 8.02 | 164 | 9704  | 0.972 ug/L | 95     |

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

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