

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\  
 Data File : VF061002.D  
 Acq On : 12 Dec 2018 18:16  
 Operator : VA/AP  
 Sample : J6189-05RE  
 Misc : 5.11g/5mL/MSVOA-F/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 HR-05-121118-CRE

Manual Integrations  
 APPROVED

apatel  
 12/13/2018 3:42:00 PM

Quant Time: Dec 13 03:28:32 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F112618S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 27 01:36:26 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|---------|--------|----------|
| 1) Pentafluorobenzene       | 4.87  | 168  | 92652    | 50.00   | ug/l   | -0.04    |
| 34) 1,4-Difluorobenzene     | 5.59  | 114  | 133959   | 50.00   | ug/l   | -0.05    |
| 63) Chlorobenzene-d5        | 9.77  | 117  | 100038   | 50.00   | ug/l   | -0.04    |
| 72) 1,4-Dichlorobenzene-d4  | 12.54 | 152  | 36042    | 50.00   | ug/l   | -0.03    |
| System Monitoring Compounds |       |      |          |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 4.84  | 65   | 33097    | 30.32   | ug/l   | -0.04    |
| Spiked Amount 50.000        |       |      | Recovery | =       | 60.64% |          |
| 35) Dibromofluoromethane    | 4.11  | 113  | 38771    | 36.48   | ug/l   | -0.04    |
| Spiked Amount 50.000        |       |      | Recovery | =       | 72.96% |          |
| 50) Toluene-d8              | 7.55  | 98   | 101494   | 32.42   | ug/l   | -0.04    |
| Spiked Amount 50.000        |       |      | Recovery | =       | 64.84% |          |
| 62) 4-Bromofluorobenzene    | 11.41 | 95   | 38280    | 26.91   | ug/l   | -0.03    |
| Spiked Amount 50.000        |       |      | Recovery | =       | 53.82% |          |
| Target Compounds            |       |      |          |         |        |          |
|                             |       |      |          |         | Qvalue |          |
| 16) Acetone                 | 2.23  | 43   | 9431m    | 46.857  | ug/l   |          |
| 20) Methylene Chloride      | 2.22  | 84   | 9966     | 13.497  | ug/l   | 93       |
| 52) Toluene                 | 7.62  | 92   | 13959    | 6.054   | ug/l   | 99       |
| 67) Ethyl Benzene           | 9.90  | 91   | 36652    | 10.116  | ug/l   | 98       |
| 68) m/p-Xylenes             | 10.13 | 106  | 52587    | 40.356  | ug/l   | 94       |
| 69) o-Xylene                | 10.71 | 106  | 34671    | 24.129  | ug/l   | 90       |
| 73) Isopropylbenzene        | 11.12 | 105  | 17064    | 5.991   | ug/l   | 99       |
| 78) n-propylbenzene         | 11.59 | 91   | 81675    | 24.487  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene  | 11.82 | 105  | 115335   | 49.880  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene  | 12.20 | 105  | 348939   | 151.208 | ug/l   | 98       |
| 85) sec-Butylbenzene        | 12.31 | 105  | 30371    | 9.419   | ug/l   | 96       |
| 86) p-Isopropyltoluene      | 12.45 | 119  | 16795m   | 6.213   | ug/l   |          |
| 95) Naphthalene             | 14.45 | 128  | 24803    | 13.721  | ug/l # | 84       |

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

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