

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\  
 Data File : VF060004.D  
 Acq On : 20 Aug 2018 16:09  
 Operator : VA/AP  
 Sample : J4274-03  
 Misc : 4.02g/5mL/MSVOA F/SOIL  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 HD-02-081718

Manual Integrations  
 APPROVED

apatel  
 8/21/2018 10:01:42 AM

Quant Time: Aug 21 07:27:10 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F081718S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 18 01:11:02 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.05  | 168  | 122581   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.77  | 114  | 172446   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.92  | 117  | 168017   | 50.00 | ug/l  | -0.02    |
| 72) 1,4-Dichlorobenzene-d4 | 12.63 | 152  | 102225   | 50.00 | ug/l  | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.02  | 65   | 126349   | 53.40 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.80% |          |
| 35) Dibromofluoromethane    | 4.29  | 113  | 97254    | 55.18 | ug/l    | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =     | 110.36% |          |
| 50) Toluene-d8              | 7.71  | 98   | 188097   | 47.99 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.98%  |          |
| 62) 4-Bromofluorobenzene    | 11.52 | 95   | 108198   | 44.99 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.98%  |          |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 16) Acetone                | 2.33  | 43   | 12171    | 7.82  | ug/l   | 96     |
| 20) Methylene Chloride     | 2.28  | 84   | 6674     | 1.12  | ug/l   | 91     |
| 39) Methylcyclohexane      | 5.62  | 83   | 4435     | 3.01  | ug/l # | 83     |
| 68) m/p-Xylenes            | 10.27 | 106  | 13433    | 6.44  | ug/l   | 99     |
| 69) o-Xylene               | 10.84 | 106  | 5062     | 2.37  | ug/l   | 95     |
| 73) Isopropylbenzene       | 11.23 | 105  | 6540     | 1.07  | ug/l   | 92     |
| 78) n-propylbenzene        | 11.69 | 91   | 19336    | 2.54  | ug/l   | 98     |
| 80) 1,3,5-Trimethylbenzene | 11.91 | 105  | 117704   | 21.24 | ug/l   | 96     |
| 84) 1,2,4-Trimethylbenzene | 12.28 | 105  | 273924   | 46.95 | ug/l   | 81     |
| 85) sec-Butylbenzene       | 12.39 | 105  | 7901m    | 1.10  | ug/l   |        |
| 86) p-Isopropyltoluene     | 12.54 | 119  | 7525m    | 1.18  | ug/l   |        |
| 95) Naphthalene            | 14.52 | 128  | 78687    | 21.94 | ug/l   | 99     |

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

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