

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_F\DATA\VF112018\  
 Data File : VF060808.D  
 Acq On : 20 Nov 2018 17:44  
 Operator : VA/AP  
 Sample : J5950-10  
 Misc : 6.15g/5mL/MSVOA-F/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 SSI-FD-11132018

Manual Integrations  
 APPROVED

apatel  
 11/21/2018 2:06:49 PM

Quant Time: Nov 21 03:02:28 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F111318S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 14 03:11:14 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.88  | 168  | 202093   | 50.00 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 5.61  | 114  | 358980   | 50.00 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 9.78  | 117  | 290941   | 50.00 | ug/l  | -0.01    |
| 72) 1,4-Dichlorobenzene-d4 | 12.56 | 152  | 117093   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |       |
|-----------------------------|--------|-----|----------|-------|---------|-------|
| System Monitoring Compounds |        |     |          |       |         |       |
| 33) 1,2-Dichloroethane-d4   | 4.85   | 65  | 111450   | 48.35 | ug/l    | -0.01 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.70%  |       |
| 35) Dibromofluoromethane    | 4.12   | 113 | 139492   | 51.69 | ug/l    | -0.01 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.38% |       |
| 50) Toluene-d8              | 7.56   | 98  | 312098   | 44.68 | ug/l    | 0.00  |
| Spiked Amount               | 50.000 |     | Recovery | =     | 89.36%  |       |
| 62) 4-Bromofluorobenzene    | 11.42  | 95  | 155514   | 48.59 | ug/l    | 0.00  |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.18%  |       |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|----------------------------|-------|------|----------|--------|-------|--------|
| 20) Methylene Chloride     | 2.19  | 84   | 6833m    | 1.39   | ug/l  |        |
| 27) cis-1,2-Dichloroethene | 3.49  | 96   | 9361     | 3.19   | ug/l  | 97     |
| 39) Methylcyclohexane      | 5.45  | 83   | 14173    | 2.93   | ug/l  | 91     |
| 52) Toluene                | 7.63  | 92   | 14150    | 2.28   | ug/l  | 88     |
| 67) Ethyl Benzene          | 9.91  | 91   | 161926   | 14.63  | ug/l  | 100    |
| 68) m/p-Xylenes            | 10.14 | 106  | 281761   | 71.24  | ug/l  | 93     |
| 69) o-Xylene               | 10.72 | 106  | 111746   | 25.13  | ug/l  | 94     |
| 73) Isopropylbenzene       | 11.13 | 105  | 46178    | 4.90   | ug/l  | 96     |
| 78) n-propylbenzene        | 11.61 | 91   | 176723   | 16.08  | ug/l  | 99     |
| 80) 1,3,5-Trimethylbenzene | 11.83 | 105  | 906069   | 121.09 | ug/l  | 96     |
| 83) tert-Butylbenzene      | 12.14 | 119  | 52449    | 6.60   | ug/l  | 85     |
| 84) 1,2,4-Trimethylbenzene | 12.22 | 105  | 1452372  | 187.67 | ug/l  | 99     |
| 85) sec-Butylbenzene       | 12.32 | 105  | 69862    | 6.48   | ug/l  | 80     |
| 86) p-Isopropyltoluene     | 12.46 | 119  | 85813m   | 9.53   | ug/l  |        |
| 95) Naphthalene            | 14.47 | 128  | 407818   | 84.59  | ug/l  | 98     |

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

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