

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\  
 Data File : VF060019.D  
 Acq On : 20 Aug 2018 23:06  
 Operator : VA/AP  
 Sample : J4510-01  
 Misc : 7.28g/5mL/MSVOA F/SOIL  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 EP1-WC4-UST-0818

Manual Integrations  
 APPROVED

apatel  
 8/21/2018 10:01:47 AM

Quant Time: Aug 21 07:26:19 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F081718S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 21 07:13:45 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.05  | 168  | 99228m   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.78  | 114  | 136449   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.98  | 117  | 54380m   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.66 | 152  | 9475     | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 5.04   | 65  | 97826    | 51.07 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.14% |      |
| 35) Dibromofluoromethane  | 4.30   | 113 | 67163    | 48.16 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.32%  |      |
| 50) Toluene-d8            | 7.78   | 98  | 179454   | 57.87 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 115.74% |      |
| 62) 4-Bromofluorobenzene  | 11.58  | 95  | 184063   | 96.72 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 193.44% |      |

## Target Compounds

|                            |       |     |           |           |        | Qvalue |
|----------------------------|-------|-----|-----------|-----------|--------|--------|
| 3) Chloromethane           | 1.08  | 50  | 1492      | Below Cal | #      | 45     |
| 16) Acetone                | 2.34  | 43  | 13741     | 15.48     | ug/l   | 98     |
| 20) Methylene Chloride     | 2.28  | 84  | 5648      | 1.37      | ug/l # | 64     |
| 39) Methylcyclohexane      | 5.66  | 83  | 295895m   | 253.81    | ug/l   |        |
| 52) Toluene                | 7.82  | 92  | 483584m   | 245.63    | ug/l   |        |
| 64) Tetrachloroethene      | 8.43  | 164 | 178937m   | 431.84    | ug/l   |        |
| 67) Ethyl Benzene          | 10.13 | 91  | 4276475   | 2194.55   | ug/l   | 97     |
| 68) m/p-Xylenes            | 10.50 | 106 | 24349524m | 36064.26  | ug/l   |        |
| 69) o-Xylene               | 11.02 | 106 | 10835706m | 15655.12  | ug/l   |        |
| 73) Isopropylbenzene       | 11.34 | 105 | 7104907   | 12508.30  | ug/l   | 94     |
| 78) n-propylbenzene        | 11.81 | 91  | 7980316m  | 11316.93  | ug/l   |        |
| 80) 1,3,5-Trimethylbenzene | 11.95 | 105 | 20118271  | 39173.32  | ug/l   | 95     |
| 83) tert-Butylbenzene      | 12.31 | 119 | 847624    | 1679.87   | ug/l   | 85     |
| 84) 1,2,4-Trimethylbenzene | 12.22 | 105 | 9664652   | 17871.80  | ug/l   | 98     |
| 85) sec-Butylbenzene       | 12.47 | 105 | 3553838m  | 5328.17   | ug/l   |        |
| 86) p-Isopropyltoluene     | 12.59 | 119 | 1350208m  | 2288.83   | ug/l   |        |
| 89) n-Butylbenzene         | 12.95 | 91  | 1113862m  | 1954.08   | ug/l   |        |
| 95) Naphthalene            | 14.53 | 128 | 97989     | 294.76    | ug/l   | 98     |

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

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