

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW122218\  
 Data File : VW007756.D  
 Acq On : 20 Dec 2018 19:16  
 Operator : SY/AP  
 Sample : J6392-16  
 Misc : 6.08G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 KY001SB106-121218-(6-8)

Manual Integrations  
 APPROVED

apatel  
 12/21/2018 11:04:06 AM

Quant Time: Dec 21 04:40:35 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W122118S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 20 06:30:23 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.95   | 168  | 87391    | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84   | 114  | 145741   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.63  | 117  | 129720   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56  | 152  | 63872    | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |        |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.30   | 65   | 43208    | 45.11  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 90.22% |          |
| 35) Dibromofluoromethane    | 7.88   | 113  | 36513    | 41.07  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 82.14% |          |
| 50) Toluene-d8              | 10.32  | 98   | 128630   | 38.38  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 76.76% |          |
| 62) 4-Bromofluorobenzene    | 12.62  | 95   | 52778    | 40.76  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 81.52% |          |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 16) Acetone                 | 4.12   | 43   | 6142     | 34.243 | ug/l   | 100      |
| 17) Carbon Disulfide        | 4.37   | 76   | 3669     | 1.375  | ug/l # | 93       |
| 40) Benzene                 | 8.32   | 78   | 4869     | 1.297  | ug/l # | 89       |
| 52) Toluene                 | 10.39  | 92   | 33836    | 13.435 | ug/l   | 100      |
| 67) Ethyl Benzene           | 11.73  | 91   | 22786    | 4.729  | ug/l   | 99       |
| 68) m/p-Xylenes             | 11.84  | 106  | 34590    | 18.508 | ug/l   | 99       |
| 69) o-Xylene                | 12.17  | 106  | 14356    | 8.194  | ug/l   | 100      |
| 73) Isopropylbenzene        | 12.47  | 105  | 30793    | 6.378  | ug/l   | 99       |
| 78) n-propylbenzene         | 12.80  | 91   | 38203    | 6.798  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene  | 12.94  | 105  | 16781    | 4.030  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene  | 13.26  | 105  | 69434    | 16.523 | ug/l   | 100      |
| 85) sec-Butylbenzene        | 13.39  | 105  | 7307     | 1.451  | ug/l # | 56       |
| 86) p-Isopropyltoluene      | 13.50  | 119  | 15848    | 3.461  | ug/l   | 99       |
| 89) n-Butylbenzene          | 13.83  | 91   | 5817m    | 1.385  | ug/l   |          |
| 95) Naphthalene             | 15.38  | 128  | 26483    | 10.491 | ug/l   | 98       |

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

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