

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\  
 Data File : VN052525.D  
 Acq On : 28 Nov 2018 17:41  
 Operator : MD\SY  
 Sample : J6064-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 21 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OILY-SOIL

Manual Integrations  
 APPROVED

MMDadoda  
 11/29/2018 9:34:37 AM

Quant Time: Nov 29 01:30:30 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112718W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 28 01:11:38 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.   | QIon | Response  | Conc     | Units   | Dev(Min) |
|-----------------------------|--------|------|-----------|----------|---------|----------|
| 1) Pentafluorobenzene       | 7.67   | 168  | 1477402   | 50.00    | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59   | 114  | 2227948   | 50.00    | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41  | 117  | 1899099   | 50.00    | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35  | 152  | 863521    | 50.00    | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |           |          |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65   | 726906    | 45.19    | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery  | =        | 90.38%  |          |
| 35) Dibromofluoromethane    | 7.59   | 113  | 655804    | 47.75    | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery  | =        | 95.50%  |          |
| 50) Toluene-d8              | 10.09  | 98   | 2717701   | 50.83    | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery  | =        | 101.66% |          |
| 62) 4-Bromofluorobenzene    | 12.40  | 95   | 1201174   | 66.86    | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery  | =        | 133.72% |          |
| Target Compounds            |        |      |           |          |         |          |
|                             |        |      |           |          | Qvalue  |          |
| 11) Tert butyl alcohol      | 4.78   | 59   | 12086     | 15.008   | ug/l #  | 73       |
| 16) Acetone                 | 3.82   | 43   | 568235    | 133.926  | ug/l    | 99       |
| 20) Methylene Chloride      | 4.55   | 84   | 1552062   | 93.477   | ug/l    | 99       |
| 25) 2-Butanone              | 6.83   | 43   | 908275    | 151.030  | ug/l    | 97       |
| 31) Cyclohexane             | 7.65   | 56   | 1105246   | 39.843   | ug/l    | 97       |
| 39) Methylcyclohexane       | 9.08   | 83   | 680078    | 26.594   | ug/l    | 99       |
| 40) Benzene                 | 8.02   | 78   | 32593209m | 519.822  | ug/l    |          |
| 42) 1,2-Dichloroethane      | 8.13   | 62   | 1744448   | 91.886   | ug/l    | 99       |
| 51) 4-Methyl-2-Pentanone    | 9.99   | 43   | 1169126   | 95.896   | ug/l    | 97       |
| 52) Toluene                 | 10.14  | 92   | 32578807m | 874.525  | ug/l    |          |
| 59) 2-Hexanone              | 10.75  | 43   | 2969318   | 362.890  | ug/l    | 87       |
| 61) 1,2-Dibromoethane       | 11.01  | 107  | 55517     | 4.266    | ug/l    | 93       |
| 67) Ethyl Benzene           | 11.50  | 91   | 20441233m | 298.087  | ug/l    |          |
| 68) m/p-Xylenes             | 11.61  | 106  | 27694725m | 1084.847 | ug/l    |          |
| 69) o-Xylene                | 11.94  | 106  | 21872803m | 882.304  | ug/l    |          |
| 73) Isopropylbenzene        | 12.25  | 105  | 1070943   | 15.808   | ug/l    | 99       |
| 78) n-propylbenzene         | 12.59  | 91   | 2958450   | 38.439   | ug/l    | 99       |
| 80) 1,3,5-Trimethylbenzene  | 12.73  | 105  | 8593086   | 159.036  | ug/l    | 99       |
| 84) 1,2,4-Trimethylbenzene  | 13.03  | 105  | 21013313m | 388.062  | ug/l    |          |
| 85) sec-Butylbenzene        | 13.17  | 105  | 145935m   | 2.224    | ug/l    |          |
| 86) p-Isopropyltoluene      | 13.29  | 119  | 98857m    | 1.769    | ug/l    |          |
| 89) n-Butylbenzene          | 13.61  | 91   | 182006m   | 3.916    | ug/l    |          |
| 95) Naphthalene             | 15.13  | 128  | 19257229m | 555.140  | ug/l    |          |

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

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