

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072618\  
 Data File : VX003696.D  
 Acq On : 27 Jul 2018 04:13  
 Operator : JC/SP  
 Sample : J4154-06  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FL-0507

Manual Integrations  
 APPROVED

MMDadoda  
 7/27/2018 5:40:57 PM

Quant Time: Jul 27 17:32:51 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X072418W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 27 02:16:51 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 90408    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 142245   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 147698   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 83786    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 73186    | 54.65 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 109.30% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 59099    | 50.82 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.64% |          |
| 50) Toluene-d8              | 8.72  | 98   | 257038   | 57.92 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 115.84% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 92442    | 57.11 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 114.22% |          |

| Target Compounds           | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|----------------------------|-------|------|----------|---------|--------|--------|
| 31) Cyclohexane            | 5.58  | 56   | 242824   | 134.85  | ug/l   | 98     |
| 39) Methylcyclohexane      | 7.47  | 83   | 170993   | 93.43   | ug/l   | 100    |
| 40) Benzene                | 6.15  | 78   | 3053818  | 620.65  | ug/l   | 99     |
| 52) Toluene                | 8.79  | 92   | 196347   | 64.20   | ug/l   | 100    |
| 67) Ethyl Benzene          | 10.26 | 91   | 1958091  | 314.70  | ug/l   | 99     |
| 68) m/p-Xylenes            | 10.37 | 106  | 3726243  | 1561.09 | ug/l   | 92     |
| 69) o-Xylene               | 10.70 | 106  | 480122   | 208.94  | ug/l   | 99     |
| 73) Isopropylbenzene       | 11.02 | 105  | 199688   | 34.88   | ug/l   | 98     |
| 78) n-propylbenzene        | 11.36 | 91   | 191745   | 29.01   | ug/l   | 98     |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105  | 434857   | 89.79   | ug/l   | 100    |
| 83) tert-Butylbenzene      | 11.77 | 119  | 6569     | 1.39    | ug/l # | 45     |
| 84) 1,2,4-Trimethylbenzene | 11.81 | 105  | 1429837  | 287.25  | ug/l   | 99     |
| 85) sec-Butylbenzene       | 11.95 | 105  | 26185m   | 4.63    | ug/l   |        |
| 86) p-Isopropyltoluene     | 12.07 | 119  | 27973    | 5.51    | ug/l   | 99     |
| 95) Naphthalene            | 13.83 | 128  | 853217   | 133.63  | ug/l   | 100    |

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

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