

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082318\  
 Data File : VX004233.D  
 Acq On : 23 Aug 2018 18:07  
 Operator : JC/MD  
 Sample : J4579-09DL 20X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FL-0553DL

Manual Integrations  
 APPROVED

MMDadoda  
 8/24/2018 11:35:57 AM

Quant Time: Aug 24 07:33:35 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 05:39:44 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 297985   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 460819   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 418577   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 273457   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.06   | 65  | 193567   | 49.84 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.68%  |      |
| 35) Dibromofluoromethane  | 5.50   | 113 | 166283   | 48.50 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.00%  |      |
| 50) Toluene-d8            | 8.71   | 98  | 644780   | 49.83 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.66%  |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 254612   | 52.73 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.46% |      |

## Target Compounds

|                            |       |     |        |       |      | Qvalue |
|----------------------------|-------|-----|--------|-------|------|--------|
| 31) Cyclohexane            | 5.56  | 56  | 22438  | 4.12  | ug/l | 97     |
| 39) Methylcyclohexane      | 7.46  | 83  | 18042  | 3.05  | ug/l | 100    |
| 52) Toluene                | 8.78  | 92  | 38785  | 4.00  | ug/l | 99     |
| 67) Ethyl Benzene          | 10.25 | 91  | 262595 | 15.39 | ug/l | 95     |
| 68) m/p-Xylenes            | 10.36 | 106 | 282800 | 42.39 | ug/l | 99     |
| 69) o-Xylene               | 10.70 | 106 | 124998 | 19.81 | ug/l | 99     |
| 73) Isopropylbenzene       | 11.02 | 105 | 27895  | 1.55  | ug/l | 99     |
| 78) n-propylbenzene        | 11.36 | 91  | 39747  | 1.92  | ug/l | 100    |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105 | 44185  | 2.97  | ug/l | 99     |
| 84) 1,2,4-Trimethylbenzene | 11.81 | 105 | 194520 | 12.74 | ug/l | 98     |
| 85) sec-Butylbenzene       | 11.94 | 105 | 4764m  | 0.27  | ug/l |        |
| 86) p-Isopropyltoluene     | 12.07 | 119 | 4408m  | 0.28  | ug/l |        |
| 95) Naphthalene            | 13.83 | 128 | 69516  | 3.90  | ug/l | 99     |

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

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