

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032620\  
 Data File : VX015360.D  
 Acq On : 26 Mar 2020 15:52  
 Operator : JC/SP  
 Sample : L2014-02 5X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EFF-WW

Manual Integrations  
 APPROVED

apatel  
 3/27/2020 5:59:53 PM

Quant Time: Mar 27 08:19:23 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Mar 26 02:31:53 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 4.98  | 128  | 192158   | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.84  | 114  | 1100046  | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.10 | 117  | 998693   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 6.04   | 65    | 468144   | 31.18    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 103.93% |
| 60) 4-Bromofluorobenzene  | 11.12  | 95    | 528176   | 30.90    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 103.00% |
| 63) Toluene-d8            | 8.70   | 98    | 1301533  | 30.67    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 102.23% |

## Target Compounds

|                            |       |     |           |          | Ovalue    |
|----------------------------|-------|-----|-----------|----------|-----------|
| 15) Acetone                | 2.42  | 58  | 10616377m | 6369.657 | ug/l      |
| 20) Diisopropyl ether      | 3.83  | 45  | 286767    | 6.768    | ug/l # 74 |
| 25) Chloroform             | 5.18  | 83  | 30834     | 1.442    | ug/l 97   |
| 44) Isopropyl Acetate      | 6.42  | 43  | 269831    | 7.780    | ug/l 99   |
| 58) 4-Methyl-2-Pentanone   | 8.62  | 43  | 172258m   | 9.012    | ug/l      |
| 59) 2-Hexanone             | 9.48  | 43  | 32466     | 2.233    | ug/l 96   |
| 89) 1,2,4-Trichlorobenzene | 13.63 | 180 | 14606     | 0.679    | ug/l 90   |
| 90) Hexachlorobutadiene    | 13.77 | 225 | 6453      | 0.570    | ug/l 93   |
| 91) Naphthalene            | 13.82 | 128 | 21695     | 0.348    | ug/l 94   |

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

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