

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121919\  
 Data File : VX014119.D  
 Acq On : 19 Dec 2019 14:28  
 Operator : JC/SP  
 Sample : K6373-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 391218757.2

Quant Time: Dec 20 11:46:11 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Dec 13 01:35:34 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.00  | 128  | 83494    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.85  | 114  | 475110   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.11 | 117  | 429802   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 6.05   | 65    | 180356   | 30.16    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 100.53% |
| 60) 4-Bromofluorobenzene  | 11.13  | 95    | 200618   | 28.91    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 96.37%  |
| 63) Toluene-d8            | 8.71   | 98    | 582029   | 30.30    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 101.00% |

## Target Compounds

|                            |       |     |         |          | Ovalue    |
|----------------------------|-------|-----|---------|----------|-----------|
| 15) Acetone                | 2.43  | 58  | 506087  | 608.846  | ug/l 92   |
| 16) Carbon Disulfide       | 2.56  | 76  | 268767  | 21.220   | ug/l 97   |
| 22) cis-1,2-Dichloroethene | 4.59  | 96  | 6466    | 1.089    | ug/l 88   |
| 23) tert-Butyl Alcohol     | 3.03  | 59  | 4663667 | 4202.109 | ug/l 100  |
| 30) 2-Butanone             | 4.65  | 43  | 2853207 | 705.349  | ug/l 99   |
| 34) Benzene                | 6.13  | 78  | 56535   | 2.642    | ug/l # 92 |
| 36) 1,2-Dichloroethane     | 6.18  | 62  | 11339   | 1.525    | ug/l # 83 |
| 45) 1,4-Dioxane            | 7.74  | 88  | 9032    | 74.191   | ug/l # 80 |
| 58) 4-Methyl-2-Pentanone   | 8.64  | 43  | 154491  | 19.211   | ug/l 98   |
| 59) 2-Hexanone             | 9.49  | 43  | 37440   | 6.135    | ug/l 97   |
| 62) Toluene                | 8.78  | 91  | 267704  | 11.711   | ug/l 99   |
| 64) Chlorobenzene          | 10.14 | 112 | 15735   | 1.099    | ug/l 96   |
| 66) Ethyl Benzene          | 10.25 | 91  | 141991  | 5.676    | ug/l 97   |
| 67) m/p-Xylenes            | 10.35 | 106 | 87872   | 9.189    | ug/l 99   |
| 68) o-Xylene               | 10.70 | 106 | 51786   | 5.466    | ug/l 99   |
| 69) Styrene                | 10.71 | 104 | 20981   | 1.302    | ug/l # 70 |
| 70) Isopropylbenzene       | 11.01 | 105 | 20146   | 0.823    | ug/l 98   |
| 74) n-propylbenzene        | 11.35 | 91  | 8003    | 0.288    | ug/l 95   |
| 76) 1,3,5-Trimethylbenzene | 11.50 | 105 | 18070   | 0.870    | ug/l 99   |
| 80) 1,2,4-Trimethylbenzene | 11.80 | 105 | 58935   | 2.838    | ug/l 98   |
| 82) p-Isopropyltoluene     | 12.06 | 119 | 123065  | 5.727    | ug/l 99   |
| 84) 1,4-Dichlorobenzene    | 12.09 | 146 | 46869   | 4.132    | ug/l 99   |
| 87) 1,2-Dichlorobenzene    | 12.39 | 146 | 3503    | 0.303    | ug/l 86   |
| 91) Naphthalene            | 13.83 | 128 | 411931  | 18.534   | ug/l 99   |

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

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