Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112219\
Data File : VX013545.D
Acq On : 22 Nov 2019 19:51
Operator : JC/SP
Sample : K5979-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 391120775.1-VOA

Quant Time: Nov 25 08:53:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 12 01:16:13 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.00 | 128 | 99749 | 30.00 | ug/l | 0.00 |
| 28) 1,4-Difluorobenzene | 6.85 | 114 | 545076 | 30.00 | ug/l | 0.00 |
| 57) Chlorobenzene-d5 | 10.11 | 117 | 491909 | 30.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 27) 1,2-Dichloroethane-d4 | 6.05 | 65 | 223164 | 30.30 | ug/l | 0.00 |
| Spiked Amount 30.000 | Range 50 - 169 | | Recovery = 101.00% | | | |
| 60) 4-Bromofluorobenzene | 11.14 | 95 | 228026 | 28.84 | ug/l | 0.00 |
| Spiked Amount 30.000 | Range 56 - 143 | | Recovery = 96.13% | | | |
| 63) Toluene-d8 | 8.71 | 98 | 652065 | 29.31 | ug/l | 0.00 |
| Spiked Amount 30.000 | Range 66 - 137 | | Recovery = 97.70% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 8) Diethyl Ether | 2.17 | 74 | 16297 | 3.582 | ug/l | 98 |
| 15) Acetone | 2.43 | 58 | 46861 | 38.978 | ug/l | 96 |
| 23) tert-Butyl Alcohol | 3.03 | 59 | 10194522 | 5336.472 | ug/l # | 100 |
| 24) Methyl tert-Butyl Ether | 3.19 | 73 | 62587 | 3.070 | ug/l | 97 |
| 34) Benzene | 6.14 | 78 | 73050 | 2.893 | ug/l | 97 |
| 45) 1,4-Dioxane | 7.73 | 88 | 20959 | 117.833 | ug/l | 92 |
| 58) 4-Methyl-2-Pentanone | 8.64 | 43 | 102962 | 10.020 | ug/l | 89 |
| 59) 2-Hexanone | 9.49 | 43 | 11142 | 1.370 | ug/l | 90 |
| 62) Toluene | 8.78 | 91 | 59239 | 2.162 | ug/l | 97 |
| 64) Chlorobenzene | 10.14 | 112 | 16119 | 0.941 | ug/l | 92 |
| 66) Ethyl Benzene | 10.25 | 91 | 32169 | 1.069 | ug/l | 96 |
| 67) m/p-Xylenes | 10.35 | 106 | 81305 | 7.002 | ug/l | 100 |
| 68) o-Xylene | 10.70 | 106 | 61610 | 5.498 | ug/l | 96 |
| 70) Isopropylbenzene | 11.01 | 105 | 30605 | 1.036 | ug/l | 99 |
| 76) 1,3,5-Trimethylbenzene | 11.50 | 105 | 20643 | 0.832 | ug/l | 100 |
| 80) 1,2,4-Trimethylbenzene | 11.81 | 105 | 55934 | 2.261 | ug/l | 96 |
| 84) 1,4-Dichlorobenzene | 12.09 | 146 | 71097 | 5.232 | ug/l | 99 |
| 87) 1,2-Dichlorobenzene | 12.38 | 146 | 5629 | 0.411 | ug/l | 96 |
| 91) Naphthalene | 13.83 | 128 | 27649 | 0.925 | ug/l | 98 |

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

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