

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102221\
 Data File : VN069142.D
 Acq On : 22 Oct 2021 18:33
 Operator : JC/MD
 Sample : M4301-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 211020074-01-VOA

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/25/2021
 Supervised By : Mahesh Dadoda 10/25/2021

Quant Time: Oct 23 07:56:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102221W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 22 13:15:19 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.662	128	47158	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	285983	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	252694	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	115916	31.558	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 105.200%			
60) 4-Bromofluorobenzene	12.733	95	114003	26.311	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 87.700%			
63) Toluene-d8	10.443	98	337691	29.578	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.600%			
Target Compounds						
8) Diethyl Ether	3.827	74	23881	13.479	ug/l	96
15) Acetone	4.296	58	4542m	10.137	ug/l	
24) Methyl tert-Butyl Ether	5.621	73	10237	1.018	ug/l #	76
30) 2-Butanone	7.316	43	16888	7.815	ug/l #	63
34) Benzene	8.461	78	38970	2.900	ug/l #	63
45) 1,4-Dioxane	9.569	88	14497	232.062	ug/l #	72
62) Toluene	10.507	91	7496	0.509	ug/l	99
64) Chlorobenzene	11.773	112	176173	19.736	ug/l	100
67) m/p-Xylenes	11.956	106	15780	2.536	ug/l	95
68) o-Xylene	12.283	106	13195	2.118	ug/l	93
70) Isopropylbenzene	12.581	105	18240	1.117	ug/l	99
75) 2-Chlorotoluene	13.010	91	12488	1.087	ug/l	94
80) 1,2,4-Trimethylbenzene	13.372	105	13037	0.975	ug/l #	81
84) 1,4-Dichlorobenzene	13.696	146	56719	8.935	ug/l	97
87) 1,2-Dichlorobenzene	13.991	146	4753	0.763	ug/l	76
91) Naphthalene	15.509	128	18671	2.055	ug/l	99

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

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