

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111524\
 Data File : VN084876.D
 Acq On : 15 Nov 2024 18:00
 Operator : JC\MD
 Sample : P4844-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 241113075-01-VOA

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/17/2024
 Supervised By :Mahesh Dadoda 11/18/2024

Quant Time: Nov 15 22:28:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:38:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	24378	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	131256	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	127289	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	60380	30.808	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.700%			
60) 4-Bromofluorobenzene	12.847	95	60280	27.504	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 91.667%			
63) Toluene-d8	10.565	98	161151	26.743	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 89.133%#			
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.947	74	3167	3.449	ug/l	78
12) Methyl Acetate	5.024	43	4846m	2.188	ug/l	
15) Acetone	4.430	58	13864	74.479	ug/l	91
16) Carbon Disulfide	4.689	76	7832	1.874	ug/l	97
23) tert-Butyl Alcohol	5.541	59	3022992	11952.402	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	10797	2.350	ug/l #	76
34) Benzene	8.600	78	27262	4.172	ug/l #	85
62) Toluene	10.629	91	80765	11.140	ug/l	98
64) Chlorobenzene	11.888	112	6131	1.401	ug/l #	88
66) Ethyl Benzene	11.964	91	80469	10.561	ug/l	97
67) m/p-Xylenes	12.065	106	32906	11.281	ug/l	100
68) o-Xylene	12.394	106	18066	6.420	ug/l	99
70) Isopropylbenzene	12.694	105	6074	0.869	ug/l	97
76) 1,3,5-Trimethylbenzene	13.170	105	6111	1.023	ug/l	92
80) 1,2,4-Trimethylbenzene	13.482	105	21472	3.564	ug/l	98
82) p-Isopropyltoluene	13.729	119	50130	8.766	ug/l	96
84) 1,4-Dichlorobenzene	13.811	146	7992	2.426	ug/l	92
91) Naphthalene	15.641	128	123830	24.238	ug/l	100

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

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