

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101424\
 Data File : VN084404.D
 Acq On : 14 Oct 2024 09:52
 Operator : JC\MD
 Sample : VN1014WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/15/2024
 Supervised By :Mahesh Dadoda 10/15/2024

Quant Time: Oct 15 01:30:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:22:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	35176	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	185417	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	174081	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	84340	29.781	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.267%		
60) 4-Bromofluorobenzene	12.847	95	86312	30.042	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.133%		
63) Toluene-d8	10.565	98	249248	30.907	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	103.033%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	40889	19.039	ug/l	98
3) Chloromethane	2.359	50	44222	18.094	ug/l	96
4) Vinyl Chloride	2.512	62	43900	18.317	ug/l	99
5) Bromomethane	2.959	94	26831	16.897	ug/l	97
6) Chloroethane	3.118	64	29213	18.592	ug/l	95
7) Trichlorofluoromethane	3.495	101	72457	18.560	ug/l	98
8) Diethyl Ether	3.959	74	24702	17.211	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	43072	19.622	ug/l	97
10) 1,1-Dichloroethene	4.336	96	39180	17.888	ug/l	90
11) Methyl Iodide	4.589	142	49936	17.349	ug/l	95
12) Methyl Acetate	5.030	43	51133	18.648	ug/l	98
13) Acrolein	4.177	56	50329	98.808	ug/l	99
14) Acrylonitrile	5.718	53	106554	86.497	ug/l	99
15) Acetone	4.430	58	37507	106.584	ug/l	95
16) Carbon Disulfide	4.712	76	112587	17.262	ug/l	99
17) Allyl chloride	5.018	41	59881	16.866	ug/l	95
18) Methylene Chloride	5.271	84	44734	18.131	ug/l	96
19) trans-1,2-Dichloroethene	5.783	96	41742	18.008	ug/l	92
20) Diisopropyl ether	6.671	45	138576	18.153	ug/l	96
21) 1,1-Dichloroethane	6.571	63	80372	18.349	ug/l	96
22) cis-1,2-Dichloroethene	7.488	96	48005	17.797	ug/l	99
23) tert-Butyl Alcohol	5.536	59	38715m	81.933	ug/l	
24) Methyl tert-Butyl Ether	5.794	73	128767	17.592	ug/l #	84
25) Chloroform	7.965	83	82460	18.588	ug/l	100
26) Cyclohexane	8.259	56	62075	16.944	ug/l #	96
29) 1,1-Dichloropropene	8.371	75	55627	18.276	ug/l	98
30) 2-Butanone	7.483	43	155762	96.116	ug/l	99
31) 2,2-Dichloropropane	7.488	77	71039	19.861	ug/l #	79
32) 1,1,1-Trichloroethane	8.165	97	74820	19.231	ug/l	99
33) Carbon Tetrachloride	8.359	117	64743	19.209	ug/l	97
34) Benzene	8.606	78	181230	19.021	ug/l	97
35) Methacrylonitrile	7.783	41	31560	18.255	ug/l	96
36) 1,2-Dichloroethane	8.671	62	60852	19.161	ug/l #	91
37) Trichloroethene	9.353	130	41549	18.938	ug/l	99
38) Methylcyclohexane	9.600	83	60656	18.142	ug/l	100
39) 1,2-Dichloropropane	9.618	63	43908	18.898	ug/l	95
40) Dibromomethane	9.706	93	31924	19.659	ug/l	96
41) Bromodichloromethane	9.888	83	64369	18.672	ug/l	96
42) Vinyl Acetate	6.600	43	494074	87.661	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	58646	18.349	ug/l	96
44) Isopropyl Acetate	8.688	43	94476	18.060	ug/l	99
45) 1,4-Dioxane	9.694	88	18487	392.031	ug/l	95
46) Methyl methacrylate	9.682	41	43921	17.377	ug/l	97
47) n-amyl Acetate	12.494	43	80023	17.198	ug/l	98
48) t-1,3-Dichloropropene	10.835	75	64513	18.110	ug/l	97
49) cis-1,3-Dichloropropene	10.312	75	70654	18.925	ug/l	99
50) 1,1,2-Trichloroethane	11.018	97	42682	19.555	ug/l	96
51) Ethyl methacrylate	10.871	69	62302	17.281	ug/l	93
52) 1,3-Dichloropropane	11.165	76	71953	18.853	ug/l	98
53) Dibromochloromethane	11.359	129	48768	18.914	ug/l	100
54) 1,2-Dibromoethane	11.471	107	42257	18.808	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	146382	89.522	ug/l	98
56) Bromoform	12.576	173	32279	18.876	ug/l	98
58) 4-Methyl-2-Pentanone	10.447	43	292709	90.263	ug/l	99
59) 2-Hexanone	11.194	43	222598	92.376	ug/l	100
61) Tetrachloroethene	11.106	164	39109	19.861	ug/l	94
62) Toluene	10.629	91	192405	18.880	ug/l	98
64) Chlorobenzene	11.888	112	117499	18.528	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	42694	19.378	ug/l	97
66) Ethyl Benzene	11.965	91	202901	18.325	ug/l	98
67) m/p-Xylenes	12.071	106	163016	38.811	ug/l	97
68) o-Xylene	12.400	106	72683	17.953	ug/l	99
69) Styrene	12.412	104	128440	18.481	ug/l	99
70) Isopropylbenzene	12.694	105	189776	18.361	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	59974	18.758	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	52823m	19.291	ug/l	
73) Bromobenzene	12.976	156	47988	19.172	ug/l	97
74) n-propylbenzene	13.035	91	235119	19.090	ug/l	100
75) 2-Chlorotoluene	13.123	91	143444	18.743	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	165543	19.023	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	21572	18.436	ug/l	96
78) 4-Chlorotoluene	13.218	91	148116	19.035	ug/l	99
79) tert-butylbenzene	13.435	119	135808	18.292	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	165692	18.765	ug/l	100
81) sec-Butylbenzene	13.617	105	195746	19.150	ug/l	99
82) p-Isopropyltoluene	13.729	119	163233	18.973	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	90594	19.465	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	88813	19.217	ug/l	99
85) n-Butylbenzene	14.059	91	132868	17.831	ug/l	98
86) Hexachloroethane	14.335	117	30838	18.605	ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	86341	19.187	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11750	17.971	ug/l	100
89) 1,2,4-Trichlorobenzene	15.841	180	42000	17.951	ug/l	96
90) Hexachlorobutadiene	15.500	225	20046	18.520	ug/l	99
91) Naphthalene	15.641	128	125007	15.767	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	42000	17.951	ug/l	96

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

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