

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091324\
 Data File : VN083870.D
 Acq On : 13 Sep 2024 14:58
 Operator : JC\MD
 Sample : VN0913WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/14/2024
 Supervised By : Semsettin Yesilyurt 09/16/2024

Quant Time: Sep 13 23:51:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	31506	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	186997	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	169526	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	90137	31.299	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.333%			
60) 4-Bromofluorobenzene	12.847	95	87680	30.009	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.033%			
63) Toluene-d8	10.565	98	241441	30.758	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.533%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	39133	18.548	ug/l	98
3) Chloromethane	2.359	50	40643	18.540	ug/l	95
4) Vinyl Chloride	2.512	62	41817	18.555	ug/l	91
5) Bromomethane	2.959	94	27176	21.583	ug/l	95
6) Chloroethane	3.124	64	27015	17.901	ug/l	93
7) Trichlorofluoromethane	3.500	101	69578	18.415	ug/l	93
8) Diethyl Ether	3.959	74	23181	18.056	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.377	101	36951	18.207	ug/l	87
10) 1,1-Dichloroethene	4.341	96	35567	18.164	ug/l	86
11) Methyl Iodide	4.589	142	48156	18.105	ug/l	97
12) Methyl Acetate	5.030	43	43162	18.277	ug/l #	74
13) Acrolein	4.183	56	27138	78.742	ug/l	97
14) Acrylonitrile	5.718	53	92196	96.472	ug/l	98
15) Acetone	4.424	58	30867	97.367	ug/l	72
16) Carbon Disulfide	4.712	76	95985	17.345	ug/l	97
17) Allyl chloride	5.024	41	57149	16.643	ug/l	88
18) Methylene Chloride	5.277	84	40126	18.730	ug/l #	87
19) trans-1,2-Dichloroethene	5.788	96	36996	18.229	ug/l	93
20) Diisopropyl ether	6.671	45	126537	18.247	ug/l	95
21) 1,1-Dichloroethane	6.565	63	72110	18.213	ug/l	97
22) cis-1,2-Dichloroethene	7.488	96	44184	17.888	ug/l	91
23) tert-Butyl Alcohol	5.518	59	37062	105.682	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	125285	18.004	ug/l #	87
25) Chloroform	7.971	83	76909	18.330	ug/l	97
26) Cyclohexane	8.259	56	61208	17.552	ug/l #	89
29) 1,1-Dichloropropene	8.371	75	52819	17.808	ug/l	98
30) 2-Butanone	7.482	43	137448	98.307	ug/l	94
31) 2,2-Dichloropropane	7.488	77	68728	18.175	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	71448	18.037	ug/l	97
33) Carbon Tetrachloride	8.359	117	61161m	17.830	ug/l	
34) Benzene	8.606	78	164909	18.530	ug/l	95
35) Methacrylonitrile	7.777	41	29589	18.826	ug/l	89
36) 1,2-Dichloroethane	8.671	62	62645	18.724	ug/l #	93
37) Trichloroethene	9.353	130	37897	18.134	ug/l	89
38) Methylcyclohexane	9.600	83	59594	16.782	ug/l	95
39) 1,2-Dichloropropane	9.623	63	39120	18.265	ug/l	94
40) Dibromomethane	9.712	93	28266	18.049	ug/l	95
41) Bromodichloromethane	9.888	83	60137	18.058	ug/l	93
42) Vinyl Acetate	6.606	43	481202	83.709	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	55334	19.663	ug/l	99
44) Isopropyl Acetate	8.688	43	95564	19.634	ug/l #	88
45) 1,4-Dioxane	9.700	88	15094	397.588	ug/l #	88
46) Methyl methacrylate	9.682	41	43037	18.267	ug/l	84
47) n-amyl Acetate	12.494	43	83844	19.446	ug/l #	89
48) t-1,3-Dichloropropene	10.835	75	61131	17.451	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	65045	17.854	ug/l #	80
50) 1,1,2-Trichloroethane	11.018	97	37201	18.668	ug/l	97
51) Ethyl methacrylate	10.876	69	60181	17.676	ug/l	72
52) 1,3-Dichloropropane	11.165	76	65681	18.251	ug/l	98
53) Dibromochloromethane	11.359	129	44393	18.572	ug/l	96
54) 1,2-Dibromoethane	11.470	107	37185	18.037	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	119850	88.331	ug/l	98
56) Bromoform	12.576	173	26905	17.718	ug/l #	95
58) 4-Methyl-2-Pentanone	10.447	43	269763	100.357	ug/l #	87
59) 2-Hexanone	11.194	43	203718	100.298	ug/l #	87
61) Tetrachloroethene	11.100	164	31365	17.482	ug/l	93
62) Toluene	10.629	91	173158	17.770	ug/l	100
64) Chlorobenzene	11.894	112	104928	17.393	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	38024	18.093	ug/l	97
66) Ethyl Benzene	11.964	91	193855	17.494	ug/l	99
67) m/p-Xylenes	12.070	106	144562	35.460	ug/l	96
68) o-Xylene	12.400	106	69649	17.652	ug/l	98
69) Styrene	12.412	104	116821	17.523	ug/l	99
70) Isopropylbenzene	12.694	105	181437	17.425	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	51976	18.277	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	45394m	18.206	ug/l	
73) Bromobenzene	12.976	156	41846	17.497	ug/l	95
74) n-propylbenzene	13.035	91	217293	17.827	ug/l	99
75) 2-Chlorotoluene	13.123	91	130476	17.151	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	155209	17.845	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	17639	16.737	ug/l	81
78) 4-Chlorotoluene	13.223	91	136856	17.739	ug/l	98
79) tert-butylbenzene	13.441	119	132414	17.410	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	158269	18.007	ug/l	99
81) sec-Butylbenzene	13.617	105	183743	17.685	ug/l	99
82) p-Isopropyltoluene	13.729	119	152783	17.477	ug/l	97
83) 1,3-Dichlorobenzene	13.729	146	77940	16.932	ug/l	99
84) 1,4-Dichlorobenzene	13.811	146	77433	16.826	ug/l	98
85) n-Butylbenzene	14.058	91	132124	17.127	ug/l	98
86) Hexachloroethane	14.335	117	28036	16.924	ug/l	87
87) 1,2-Dichlorobenzene	14.106	146	75678	16.941	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10652	17.044	ug/l	91
89) 1,2,4-Trichlorobenzene	15.835	180	37996	15.525	ug/l	98
90) Hexachlorobutadiene	15.500	225	17823	17.595	ug/l	97
91) Naphthalene	15.641	128	123686	15.459	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	37996	15.525	ug/l	98

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

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