

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050624\
 Data File : VN082001.D
 Acq On : 06 May 2024 10:35
 Operator : JC\MD
 Sample : VN0506WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBS01

Quant Time: May 07 00:25:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/07/2024
 Supervised By : Semsettin Yesilyurt 05/07/2024

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

Internal Standards						
1) Bromochloromethane	7.818	128	35084	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	216132	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	197823	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	93078	31.687	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 105.633%			
60) 4-Bromofluorobenzene	12.847	95	94882	28.820	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.067%			
63) Toluene-d8	10.571	98	284879	30.323	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.067%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	34166	17.156	ug/l	95
3) Chloromethane	2.359	50	41869	18.128	ug/l	97
4) Vinyl Chloride	2.512	62	39782	18.234	ug/l	97
5) Bromomethane	2.965	94	20597	18.091	ug/l	96
6) Chloroethane	3.124	64	24166	19.560	ug/l	99
7) Trichlorofluoromethane	3.494	101	54412	17.043	ug/l	92
8) Diethyl Ether	3.959	74	28367	18.355	ug/l	87
9) 1,1,2-Trichlorotrifluoro...	4.371	101	37137	16.968	ug/l	86
10) 1,1-Dichloroethene	4.336	96	36802	17.187	ug/l	92
11) Methyl Iodide	4.583	142	33337	17.036	ug/l	81
12) Methyl Acetate	5.024	43	57406	21.411	ug/l	# 80
13) Acrolein	4.171	56	49479	86.831	ug/l	99
14) Acrylonitrile	5.712	53	116595	95.282	ug/l	96
15) Acetone	4.430	58	28657	104.509	ug/l	90
16) Carbon Disulfide	4.712	76	98720	16.641	ug/l	# 94
17) Allyl chloride	5.030	41	64677	17.204	ug/l	91
18) Methylene Chloride	5.283	84	45747	18.777	ug/l	95
19) trans-1,2-Dichloroethene	5.794	96	38946	17.474	ug/l	92
20) Diisopropyl ether	6.671	45	153832	18.495	ug/l	# 94
21) 1,1-Dichloroethane	6.571	63	82621	18.759	ug/l	96
22) cis-1,2-Dichloroethene	7.488	96	50101	18.446	ug/l	95
23) tert-Butyl Alcohol	5.512	59	51131m	101.442	ug/l	
24) Methyl tert-Butyl Ether	5.800	73	137508	17.813	ug/l	# 84
25) Chloroform	7.965	83	76756	18.115	ug/l	99
26) Cyclohexane	8.259	56	66704	17.514	ug/l	# 90
29) 1,1-Dichloropropene	8.371	75	55679	17.304	ug/l	94
30) 2-Butanone	7.477	43	158748	95.711	ug/l	95
31) 2,2-Dichloropropane	7.488	77	67094	20.347	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	63722	17.219	ug/l	# 94
33) Carbon Tetrachloride	8.359	117	48968	16.305	ug/l	94
34) Benzene	8.612	78	184812	18.004	ug/l	94
35) Methacrylonitrile	7.782	41	37614	17.925	ug/l	93
36) 1,2-Dichloroethane	8.671	62	61127	17.739	ug/l	97
37) Trichloroethene	9.353	130	38014	15.119	ug/l	100
38) Methylcyclohexane	9.600	83	66938	17.221	ug/l	94
39) 1,2-Dichloropropane	9.624	63	46595	17.690	ug/l	97
40) Dibromomethane	9.712	93	30432	17.985	ug/l	87
41) Bromodichloromethane	9.888	83	62726	17.344	ug/l	96
42) Vinyl Acetate	6.600	43	630141	89.259	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	64693	17.889	ug/l	100
44) Isopropyl Acetate	8.688	43	116497	18.145	ug/l	91
45) 1,4-Dioxane	9.700	88	20993	407.728	ug/l #	95
46) Methyl methacrylate	9.682	41	52892	18.033	ug/l	77
47) n-amyl Acetate	12.494	43	1033331m	17.845	ug/l	
48) t-1,3-Dichloropropene	10.835	75	69343	17.681	ug/l	97
49) cis-1,3-Dichloropropene	10.312	75	74319	17.923	ug/l #	80
50) 1,1,2-Trichloroethane	11.018	97	41361	18.017	ug/l	98
51) Ethyl methacrylate	10.876	69	75649	17.460	ug/l	78
52) 1,3-Dichloropropane	11.165	76	76556	18.152	ug/l	97
53) Dibromochloromethane	11.365	129	43456	17.399	ug/l	96
54) 1,2-Dibromoethane	11.470	107	40644	17.753	ug/l	96
55) 2-Chloroethyl vinyl ether	10.159	63	198928	91.817	ug/l	96
56) Bromoform	12.576	173	24624	16.199	ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	346401	90.182	ug/l #	88
59) 2-Hexanone	11.194	43	264312	92.807	ug/l #	88
61) Tetrachloroethene	11.106	164	32617	14.859	ug/l	95
62) Toluene	10.629	91	187047	16.805	ug/l	100
64) Chlorobenzene	11.894	112	115893	17.023	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	37869	16.995	ug/l	96
66) Ethyl Benzene	11.965	91	205914	16.877	ug/l	99
67) m/p-Xylenes	12.070	106	154776	34.216	ug/l	96
68) o-Xylene	12.400	106	74504	16.647	ug/l	99
69) Styrene	12.412	104	125247	16.671	ug/l	99
70) Isopropylbenzene	12.694	105	190610	16.769	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	59667	18.241	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	54556m	17.840	ug/l	
73) Bromobenzene	12.982	156	37268	15.317	ug/l	77
74) n-propylbenzene	13.035	91	229570	17.119	ug/l	97
75) 2-Chlorotoluene	13.123	91	136657	16.473	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	152544	16.580	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	26391m	19.389	ug/l	
78) 4-Chlorotoluene	13.223	91	135207	16.636	ug/l	100
79) tert-butylbenzene	13.441	119	129773	16.382	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	150214	16.254	ug/l	94
81) sec-Butylbenzene	13.617	105	186091	16.759	ug/l	99
82) p-Isopropyltoluene	13.729	119	152095	17.322	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	70263	16.037	ug/l	97
84) 1,4-Dichlorobenzene	13.811	146	73650	16.725	ug/l	97
85) n-Butylbenzene	14.059	91	141504	17.643	ug/l	97
86) Hexachloroethane	14.335	117	29373	16.777	ug/l	75
87) 1,2-Dichlorobenzene	14.106	146	72026	16.506	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.723	75	11696	15.934	ug/l	92
89) 1,2,4-Trichlorobenzene	15.841	180	37245	15.501	ug/l	99
90) Hexachlorobutadiene	15.500	225	12999	14.608	ug/l	99
91) Naphthalene	15.641	128	144980	15.873	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	37245	15.501	ug/l	99

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

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