

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092821\
 Data File : VN068730.D
 Acq On : 28 Sep 2021 20:04
 Operator : JC/MD
 Sample : VN0928WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/30/2021 12:17:46 PM

Quant Time: Sep 29 09:08:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 29 08:56:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	81303	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	479935	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	432343	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	200157	31.939	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 106.467%	
60) 4-Bromofluorobenzene	12.733	95	183810	27.215	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 90.700%	
63) Toluene-d8	10.443	98	624899	31.977	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 106.600%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	70136	19.452	ug/l	100
3) Chloromethane	2.303	50	100350	21.748	ug/l	98
4) Vinyl Chloride	2.443	62	197509	21.957	ug/l	99
5) Bromomethane	2.861	94	173432	19.862	ug/l	99
6) Chloroethane	3.022	64	161262	22.053	ug/l	96
7) Trichlorofluoromethane	3.376	101	154977	20.653	ug/l	98
8) Diethyl Ether	3.829	74	54422	21.178	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.213	101	88629	20.401	ug/l	54
10) 1,1-Dichloroethene	4.189	96	81672	20.371	ug/l	98
11) Methyl Iodide	4.425	142	96979	20.055	ug/l	98
12) Methyl Acetate	4.857	43	149214	21.550	ug/l	97
13) Acrolein	4.052	56	27661	95.161	ug/l #	50
14) Acrylonitrile	5.554	53	232426	104.525	ug/l	100
15) Acetone	4.288	58	58138	94.385	ug/l	94
16) Carbon Disulfide	4.537	76	216105	19.905	ug/l	97
17) Allyl chloride	4.840	41	125495	19.700	ug/l	95
18) Methylene Chloride	5.101	84	104781	20.808	ug/l	97
19) trans-1,2-Dichloroethene	5.599	96	94332	19.907	ug/l	98
20) Diisopropyl ether	6.495	45	296775	20.036	ug/l	98
21) 1,1-Dichloroethane	6.391	63	179949	20.928	ug/l	100
22) cis-1,2-Dichloroethene	7.329	96	118013	20.468	ug/l	96
23) tert-Butyl Alcohol	5.361	59	85808	104.002	ug/l #	100
24) Methyl tert-Butyl Ether	5.618	73	322258	20.463	ug/l	100
25) Chloroform	7.823	83	209802	20.695	ug/l	99
26) Cyclohexane	8.099	56	148748	19.874	ug/l #	98
29) 1,1-Dichloropropene	8.222	75	146202	19.170	ug/l	98
30) 2-Butanone	7.335	43	332127	96.951	ug/l	99
31) 2,2-Dichloropropane	7.332	77	155727	17.769	ug/l #	77
32) 1,1,1-Trichloroethane	8.016	97	186550	19.086	ug/l	97
33) Carbon Tetrachloride	8.209	117	166654	19.183	ug/l	99
34) Benzene	8.464	78	441569	19.516	ug/l	98
35) Methacrylonitrile	7.635	41	63625	18.535	ug/l	98
36) 1,2-Dichloroethane	8.534	62	171399	20.249	ug/l	99
37) Trichloroethene	9.217	130	115974	19.385	ug/l	95
38) Methylcyclohexane	9.461	83	173184	18.343	ug/l	99
39) 1,2-Dichloropropane	9.491	63	111661	19.923	ug/l	98
40) Dibromomethane	9.579	93	86932	19.650	ug/l	98
41) Bromodichloromethane	9.765	83	170739	19.690	ug/l	93
42) Vinyl Acetate	6.436	43	1218471m	96.055	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	146927m	21.456	ug/l	
44) Isopropyl Acetate	8.563	43	250403	20.189	ug/l	100
45) 1,4-Dioxane	9.569	88	38412	382.513	ug/l	98
46) Methyl methacrylate	9.561	41	105280	19.192	ug/l	97
47) n-amyl Acetate	12.390	43	175793	16.737	ug/l	100
48) t-1,3-Dichloropropene	10.719	75	175749	18.650	ug/l	98
49) cis-1,3-Dichloropropene	10.191	75	178276	18.499	ug/l	99
50) 1,1,2-Trichloroethane	10.902	97	119449	19.485	ug/l	99
51) Ethyl methacrylate	10.762	69	171919	18.619	ug/l	98
52) 1,3-Dichloropropane	11.047	76	194257	19.582	ug/l	100
53) Dibromochloromethane	11.240	129	129981	18.666	ug/l	100
54) 1,2-Dibromoethane	11.350	107	120061	18.668	ug/l	95
55) 2-Chloroethyl vinyl ether	10.043	63	217078	84.204	ug/l	99
56) Bromoform	12.460	173	84305	16.788	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	779855	106.866	ug/l	99
59) 2-Hexanone	11.087	43	538630	101.329	ug/l	99
61) Tetrachloroethene	10.979	164	103033	20.334	ug/l	98
62) Toluene	10.507	91	523764	20.263	ug/l	99
64) Chlorobenzene	11.773	112	308765	19.466	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	122521	19.915	ug/l	99
66) Ethyl Benzene	11.848	91	558347	19.170	ug/l	100
67) m/p-Xylenes	11.956	106	417676	37.137	ug/l	98
68) o-Xylene	12.283	106	205581	18.568	ug/l	99
69) Styrene	12.296	104	328587	17.982	ug/l	99
70) Isopropylbenzene	12.581	105	546606	18.618	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.830	83	160640	19.419	ug/l	98
72) 1,2,3-Trichloropropane	12.884	75	132193m	19.724	ug/l	
73) Bromobenzene	12.862	156	117416	17.667	ug/l	98
74) n-propylbenzene	12.924	91	598883	17.792	ug/l	100
75) 2-Chlorotoluene	13.010	91	354831	18.062	ug/l	99
76) 1,3,5-Trimethylbenzene	13.061	105	434915	17.938	ug/l	98
77) t-1,4-Dichloro-2-butene	12.629	75	44818	17.144	ug/l	97
78) 4-Chlorotoluene	13.106	91	339095	17.426	ug/l	98
79) tert-butylbenzene	13.326	119	386622	18.267	ug/l	97
80) 1,2,4-Trimethylbenzene	13.372	105	429769m	17.881	ug/l	
81) sec-Butylbenzene	13.503	105	533431	17.580	ug/l	100
82) p-Isopropyltoluene	13.619	119	430070	17.111	ug/l	100
83) 1,3-Dichlorobenzene	13.619	146	214408	17.390	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	202889	17.298	ug/l	98
85) n-Butylbenzene	13.946	91	345127	16.693	ug/l	99
86) Hexachloroethane	14.214	117	83613	17.676	ug/l	98
87) 1,2-Dichlorobenzene	13.991	146	207100	18.167	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.605	75	29619	20.020	ug/l	98
89) 1,2,4-Trichlorobenzene	15.268	180	89581	15.995	ug/l	99
90) Hexachlorobutadiene	15.373	225	48620	17.417	ug/l	99
91) Naphthalene	15.507	128	257187	16.269	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	93234	17.364	ug/l	98

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

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