

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061721\
 Data File : VN067377.D
 Acq On : 17 Jun 2021 15:04
 Operator : JC/MD
 Sample : VN0617WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBSD01

Manual Integrations
 APPROVED

MMDadoda

Quant Time: Jun 18 04:43:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N061121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 12 09:13:15 2021
 Response via : Initial Calibration

6/18/2021 9:13:02 AM

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

Internal Standards						
1) Bromochloromethane	7.659	128	63377	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	388992	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	343037	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	199875	30.010	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 100.033%	
60) 4-Bromofluorobenzene	12.733	95	186634	28.181	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 93.933%	
63) Toluene-d8	10.443	98	507725	31.035	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.467%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	89899	19.019	ug/l	93
3) Chloromethane	2.303	50	92886	18.324	ug/l	99
4) Vinyl Chloride	2.445	62	89809	17.946	ug/l	99
5) Bromomethane	2.864	94	47360	18.855	ug/l	95
6) Chloroethane	3.022	64	53250	18.224	ug/l	94
7) Trichlorofluoromethane	3.376	101	125285	18.746	ug/l	97
8) Diethyl Ether	3.821	74	53591	19.676	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.199	101	77974	19.732	ug/l	96
10) 1,1-Dichloroethene	4.178	96	74283	19.350	ug/l	98
11) Methyl Iodide	4.419	142	74673	16.174	ug/l	97
12) Methyl Acetate	4.859	43	106734	18.742	ug/l	98
13) Acrolein	4.041	56	64304m	94.620	ug/l	
14) Acrylonitrile	5.559	53	231039	96.627	ug/l	99
15) Acetone	4.288	58	57499	96.150	ug/l	97
16) Carbon Disulfide	4.527	76	236489	19.430	ug/l	97
17) Allyl chloride	4.832	41	156024	18.680	ug/l	97
18) Methylene Chloride	5.095	84	94305	20.023	ug/l	95
19) trans-1,2-Dichloroethene	5.599	96	81683	19.519	ug/l	93
20) Diisopropyl ether	6.501	45	320832	19.792	ug/l	99
21) 1,1-Dichloroethane	6.385	63	178724	19.908	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	97228	19.555	ug/l	97
23) tert-Butyl Alcohol	5.388	59	82053	77.423	ug/l #	100
24) Methyl tert-Butyl Ether	5.621	73	313501	19.221	ug/l #	77
25) Chloroform	7.817	83	175807	19.127	ug/l	93
26) Cyclohexane	8.096	56	159010	20.439	ug/l #	99
29) 1,1-Dichloropropene	8.222	75	132910	19.085	ug/l	97
30) 2-Butanone	7.340	43	318978	89.247	ug/l #	96
31) 2,2-Dichloropropane	7.327	77	159843	21.437	ug/l	100
32) 1,1,1-Trichloroethane	8.013	97	150878	17.053	ug/l	96
33) Carbon Tetrachloride	8.206	117	121046	16.277	ug/l	96
34) Benzene	8.461	78	378321	19.317	ug/l	99
35) Methacrylonitrile	7.638	41	67687	17.573	ug/l	97
36) 1,2-Dichloroethane	8.534	62	151406	18.170	ug/l	99
37) Trichloroethene	9.220	130	83793	18.075	ug/l	100
38) Methylcyclohexane	9.461	83	154374	21.528	ug/l	96
39) 1,2-Dichloropropane	9.491	63	103522	19.579	ug/l	94
40) Dibromomethane	9.579	93	67414	18.569	ug/l	94
41) Bromodichloromethane	9.762	83	139947	17.878	ug/l	99
42) Vinyl Acetate	6.434	43	1386229	92.155	ug/l #	77

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	146158m	20.100	ug/l	
44) Isopropyl Acetate	8.566	43	239275	17.799	ug/l	98
45) 1,4-Dioxane	9.571	88	28733	328.303	ug/l #	94
46) Methyl methacrylate	9.561	41	102053	17.093	ug/l	98
47) n-amyl Acetate	12.390	43	187895	16.482	ug/l	99
48) t-1,3-Dichloropropene	10.722	75	153128	17.712	ug/l	100
49) cis-1,3-Dichloropropene	10.191	75	165866	19.096	ug/l	95
50) 1,1,2-Trichloroethane	10.902	97	87318	18.514	ug/l	96
51) Ethyl methacrylate	10.765	69	155435	18.038	ug/l	97
52) 1,3-Dichloropropane	11.047	76	163144	18.988	ug/l	100
53) Dibromochloromethane	11.242	129	88276	16.830	ug/l	99
54) 1,2-Dibromoethane	11.350	107	85962	17.473	ug/l	100
55) 2-Chloroethyl vinyl ether	10.043	63	188229	86.192	ug/l	98
56) Bromoform	12.460	173	53574	15.050	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	675651	89.608	ug/l	98
59) 2-Hexanone	11.089	43	472657	86.679	ug/l	97
61) Tetrachloroethene	10.979	164	74275	18.681	ug/l	93
62) Toluene	10.507	91	393835	19.183	ug/l	99
64) Chlorobenzene	11.773	112	221895	18.398	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	79935	17.538	ug/l	98
66) Ethyl Benzene	11.848	91	451926	18.957	ug/l	99
67) m/p-Xylenes	11.956	106	312979	37.218	ug/l	100
68) o-Xylene	12.283	106	156565	18.649	ug/l	99
69) Styrene	12.296	104	253685	17.972	ug/l	99
70) Isopropylbenzene	12.581	105	409701	18.945	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.830	83	126352	19.203	ug/l	99
72) 1,2,3-Trichloropropane	12.884	75	129411m	19.740	ug/l	
73) Bromobenzene	12.865	156	79100	17.577	ug/l	94
74) n-propylbenzene	12.924	91	503962	19.387	ug/l	99
75) 2-Chlorotoluene	13.010	91	306232	18.607	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.061	105	341297	18.625	ug/l	99
77) t-1,4-Dichloro-2-butene	12.629	75	40113	17.563	ug/l	93
78) 4-Chlorotoluene	13.106	91	301502	18.424	ug/l	98
79) tert-butylbenzene	13.326	119	273297	18.565	ug/l	99
80) 1,2,4-Trimethylbenzene	13.372	105	332604m	18.383	ug/l	
81) sec-Butylbenzene	13.503	105	408611	19.993	ug/l	99
82) p-Isopropyltoluene	13.619	119	313214	19.006	ug/l	99
83) 1,3-Dichlorobenzene	13.619	146	144440	17.803	ug/l	98
84) 1,4-Dichlorobenzene	13.696	146	142641	17.517	ug/l	99
85) n-Butylbenzene	13.946	91	312411	20.379	ug/l	98
86) Hexachloroethane	14.214	117	57796	17.140	ug/l	92
87) 1,2-Dichlorobenzene	13.991	146	142596	18.009	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.605	75	26440	15.866	ug/l	96
89) 1,2,4-Trichlorobenzene	15.268	180	68652	17.048	ug/l	98
90) Hexachlorobutadiene	15.373	225	37342	17.467	ug/l	99
91) Naphthalene	15.509	128	201975	14.940	ug/l	99
92) 1,2,3-Trichlorobenzene	15.705	180	64307	16.420	ug/l	96

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

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