

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102221\
 Data File : VN069139.D
 Acq On : 22 Oct 2021 17:18
 Operator : JC/MD
 Sample : VN1022WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/25/2021
 Supervised By : Mahesh Dadoda 10/25/2021

Quant Time: Oct 23 07:55:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102221W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 22 13:15:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	53381	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	306193	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	283227	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	126611	30.452	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.500%			
60) 4-Bromofluorobenzene	12.734	95	143346	29.517	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.400%			
63) Toluene-d8	10.443	98	384309	30.033	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.075	85	75545	21.403	ug/l	100
3) Chloromethane	2.303	50	76455	20.835	ug/l	100
4) Vinyl Chloride	2.445	62	88717	20.282	ug/l	98
5) Bromomethane	2.867	94	61497	21.436	ug/l	97
6) Chloroethane	3.022	64	57694	20.348	ug/l	95
7) Trichlorofluoromethane	3.379	101	119571	21.110	ug/l	97
8) Diethyl Ether	3.829	74	44849	22.364	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.218	101	65236	21.200	ug/l #	70
10) 1,1-Dichloroethene	4.191	96	61828	20.594	ug/l	99
11) Methyl Iodide	4.427	142	82778	19.609	ug/l	95
12) Methyl Acetate	4.857	43	120094	21.003	ug/l	98
13) Acrolein	4.044	56	29643	86.052	ug/l	100
14) Acrylonitrile	5.557	53	171701	105.832	ug/l	98
15) Acetone	4.285	58	49058	96.730	ug/l	96
16) Carbon Disulfide	4.537	76	161245	19.988	ug/l	99
17) Allyl chloride	4.849	41	105891	20.481	ug/l	92
18) Methylene Chloride	5.101	84	78167	21.910	ug/l	96
19) trans-1,2-Dichloroethene	5.602	96	67812	20.800	ug/l	96
20) Diisopropyl ether	6.495	45	232238	21.028	ug/l	97
21) 1,1-Dichloroethane	6.391	63	128897	20.911	ug/l	100
22) cis-1,2-Dichloroethene	7.327	96	82419	21.092	ug/l	100
23) tert-Butyl Alcohol	5.363	59	69601	104.558	ug/l #	100
24) Methyl tert-Butyl Ether	5.616	73	244821	21.499	ug/l	99
25) Chloroform	7.823	83	139814	21.226	ug/l	97
26) Cyclohexane	8.099	56	117812	20.750	ug/l #	97
29) 1,1-Dichloropropene	8.225	75	100363	20.828	ug/l	98
30) 2-Butanone	7.335	43	240449	103.921	ug/l	99
31) 2,2-Dichloropropane	7.327	77	118025	20.445	ug/l	98
32) 1,1,1-Trichloroethane	8.016	97	122019	20.351	ug/l	98
33) Carbon Tetrachloride	8.209	117	104233	20.467	ug/l	97
34) Benzene	8.464	78	301007	20.920	ug/l	99
35) Methacrylonitrile	7.638	41	47766	20.715	ug/l	98
36) 1,2-Dichloroethane	8.534	62	112378	21.640	ug/l	100
37) Trichloroethene	9.217	130	76166	20.817	ug/l	91
38) Methylcyclohexane	9.462	83	130605	21.291	ug/l	98
39) 1,2-Dichloropropane	9.491	63	78888	21.500	ug/l	99
40) Dibromomethane	9.580	93	55156	21.501	ug/l	97
41) Bromodichloromethane	9.762	83	107792	21.029	ug/l	96
42) Vinyl Acetate	6.436	43	875085	105.993	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.412	43	94431	20.922	ug/l	94
44) Isopropyl Acetate	8.560	43	177105	21.192	ug/l	99
45) 1,4-Dioxane	9.569	88	28783	430.334	ug/l	97
46) Methyl methacrylate	9.561	41	74191	19.638	ug/l	90
47) n-amyl Acetate	12.390	43	141615	19.959	ug/l	99
48) t-1,3-Dichloropropene	10.719	75	123438	20.820	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	127847	20.707	ug/l	96
50) 1,1,2-Trichloroethane	10.902	97	79230	21.520	ug/l	99
51) Ethyl methacrylate	10.762	69	127879	21.071	ug/l	94
52) 1,3-Dichloropropane	11.047	76	133099	21.488	ug/l	99
53) Dibromochloromethane	11.240	129	81534	20.745	ug/l	100
54) 1,2-Dibromoethane	11.347	107	82012	21.309	ug/l	97
55) 2-Chloroethyl vinyl ether	10.044	63	149638	77.660	ug/l	99
56) Bromoform	12.460	173	55911	19.735	ug/l #	100
58) 4-Methyl-2-Pentanone	10.330	43	509459	106.622	ug/l	98
59) 2-Hexanone	11.087	43	374921	103.904	ug/l	98
61) Tetrachloroethene	10.980	164	67923	22.066	ug/l	94
62) Toluene	10.507	91	351085	21.282	ug/l	99
64) Chlorobenzene	11.771	112	212255	21.214	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	78592	21.114	ug/l	99
66) Ethyl Benzene	11.846	91	393577	21.220	ug/l	99
67) m/p-Xylenes	11.956	106	296106	42.453	ug/l	95
68) o-Xylene	12.283	106	148292	21.233	ug/l	97
69) Styrene	12.296	104	243518	21.041	ug/l	98
70) Isopropylbenzene	12.581	105	385447	21.051	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.827	83	116227	21.658	ug/l	98
72) 1,2,3-Trichloropropane	12.881	75	89460m	19.400	ug/l	
73) Bromobenzene	12.865	156	86925	20.945	ug/l	94
74) n-propylbenzene	12.924	91	448668	21.338	ug/l	99
75) 2-Chlorotoluene	13.010	91	271344	21.075	ug/l	97
76) 1,3,5-Trimethylbenzene	13.061	105	326851	21.418	ug/l	99
77) t-1,4-Dichloro-2-butene	12.629	75	33811	18.749	ug/l	96
78) 4-Chlorotoluene	13.106	91	265207	21.018	ug/l	96
79) tert-butylbenzene	13.326	119	279442	20.855	ug/l	98
80) 1,2,4-Trimethylbenzene	13.369	105	320193m	21.374	ug/l	
81) sec-Butylbenzene	13.503	105	390701	20.829	ug/l	99
82) p-Isopropyltoluene	13.619	119	322011	21.047	ug/l	100
83) 1,3-Dichlorobenzene	13.619	146	155101	21.228	ug/l	98
84) 1,4-Dichlorobenzene	13.696	146	151863	21.345	ug/l	98
85) n-Butylbenzene	13.946	91	261217	20.414	ug/l	98
86) Hexachloroethane	14.214	117	56609	19.761	ug/l	92
87) 1,2-Dichlorobenzene	13.991	146	152138	21.793	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.606	75	20128	20.136	ug/l	98
89) 1,2,4-Trichlorobenzene	15.265	180	70202	19.944	ug/l	98
90) Hexachlorobutadiene	15.373	225	40728	22.131	ug/l	99
91) Naphthalene	15.507	128	196365	19.286	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	69011	20.515	ug/l	100

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

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