

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032622\
 Data File : VN071569.D
 Acq On : 26 Mar 2022 13:13
 Operator : JC\MD
 Sample : VN0326WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0326WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/28/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 28 01:43:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Mar 28 01:40:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.651	128	109131	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	597178	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	533176	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	231466	30.104	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.333%			
60) 4-Bromofluorobenzene	12.727	95	234817	29.702	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.000%			
63) Toluene-d8	10.439	98	743418	30.716	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	115053	16.938	ug/l	98
3) Chloromethane	2.299	50	133218	16.640	ug/l	98
4) Vinyl Chloride	2.440	62	150993	16.446	ug/l	100
5) Bromomethane	2.846	94	95501	17.652	ug/l	98
6) Chloroethane	3.010	64	104649	17.799	ug/l	95
7) Trichlorofluoromethane	3.369	101	182971	17.093	ug/l	97
8) Diethyl Ether	3.822	74	76481	17.004	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.210	101	111550m	17.401	ug/l	
10) 1,1-Dichloroethene	4.181	96	105766	16.728	ug/l	99
11) Methyl Iodide	4.416	142	157938	17.047	ug/l	86
12) Methyl Acetate	4.857	43	161938	18.174	ug/l	95
13) Acrolein	4.046	56	84129	88.750	ug/l	96
14) Acrylonitrile	5.551	53	355647	88.129	ug/l	98
15) Acetone	4.281	58	95096	81.885	ug/l	91
16) Carbon Disulfide	4.528	76	250594	15.223	ug/l	99
17) Allyl chloride	4.846	41	167219	16.306	ug/l	88
18) Methylene Chloride	5.093	84	129847	17.119	ug/l	98
19) trans-1,2-Dichloroethene	5.598	96	113330	16.759	ug/l	96
20) Diisopropyl ether	6.492	45	373903	17.426	ug/l	92
21) 1,1-Dichloroethane	6.381	63	221474	17.096	ug/l	96
22) cis-1,2-Dichloroethene	7.322	96	139771	17.013	ug/l	98
23) tert-Butyl Alcohol	5.357	59	131243	91.142	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	399487	17.508	ug/l	94
25) Chloroform	7.816	83	232469	17.843	ug/l	100
26) Cyclohexane	8.092	56	183042	16.347	ug/l #	98
29) 1,1-Dichloropropene	8.216	75	158425	16.390	ug/l	100
30) 2-Butanone	7.328	43	462345	85.931	ug/l	98
31) 2,2-Dichloropropane	7.322	77	183581	16.672	ug/l	100
32) 1,1,1-Trichloroethane	8.010	97	191632	17.022	ug/l	97
33) Carbon Tetrachloride	8.204	117	163398	17.146	ug/l	99
34) Benzene	8.457	78	516840	17.210	ug/l	98
35) Methacrylonitrile	7.628	41	95051	18.413	ug/l	97
36) 1,2-Dichloroethane	8.528	62	187150	17.864	ug/l	95
37) Trichloroethene	9.210	130	133255	17.197	ug/l	95
38) Methylcyclohexane	9.457	83	200352	16.444	ug/l	98
39) 1,2-Dichloropropane	9.486	63	132602	17.648	ug/l	99
40) Dibromomethane	9.575	93	91747	18.040	ug/l	86
41) Bromodichloromethane	9.757	83	179763	17.664	ug/l	94
42) Vinyl Acetate	6.428	43	1603919	87.001	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	186534	17.879	ug/l	99
44) Isopropyl Acetate	8.557	43	294785	17.616	ug/l	99
45) 1,4-Dioxane	9.563	88	63187	374.265	ug/l	93
46) Methyl methacrylate	9.557	41	122707	16.722	ug/l	83
47) n-amyl Acetate	12.386	43	182067	16.305	ug/l	91
48) t-1,3-Dichloropropene	10.716	75	189295	17.113	ug/l	99
49) cis-1,3-Dichloropropene	10.186	75	205914	17.023	ug/l #	89
50) 1,1,2-Trichloroethane	10.892	97	138343	18.197	ug/l	99
51) Ethyl methacrylate	10.757	69	201974	17.206	ug/l	87
52) 1,3-Dichloropropane	11.039	76	232033	17.871	ug/l	99
53) Dibromochloromethane	11.233	129	136746	17.375	ug/l	100
54) 1,2-Dibromoethane	11.339	107	138328	17.688	ug/l	97
55) 2-Chloroethyl vinyl ether	10.039	63	260129	82.246	ug/l	98
56) Bromoform	12.457	173	104026	17.143	ug/l #	99
58) 4-Methyl-2-Pentanone	10.328	43	914154	90.320	ug/l	93
59) 2-Hexanone	11.080	43	655154	88.658	ug/l	91
61) Tetrachloroethene	10.975	164	115321	17.772	ug/l	93
62) Toluene	10.498	91	584448	18.078	ug/l	99
64) Chlorobenzene	11.769	112	359044	18.005	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.839	131	132645	18.132	ug/l	98
66) Ethyl Benzene	11.839	91	608987	17.334	ug/l	98
67) m/p-Xylenes	11.951	106	478976	35.044	ug/l	96
68) o-Xylene	12.274	106	240697	17.718	ug/l	94
69) Styrene	12.292	104	364971	17.071	ug/l	97
70) Isopropylbenzene	12.574	105	591517	17.348	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.822	83	206820	18.637	ug/l	99
72) 1,2,3-Trichloropropane	12.874	75	203841m	21.381	ug/l	
73) Bromobenzene	12.857	156	145859	17.536	ug/l	97
74) n-propylbenzene	12.916	91	634312	17.045	ug/l	98
75) 2-Chlorotoluene	13.004	91	402885	17.325	ug/l	100
76) 1,3,5-Trimethylbenzene	13.057	105	477780	17.466	ug/l	95
77) t-1,4-Dichloro-2-butene	12.622	75	54706	16.343	ug/l	98
78) 4-Chlorotoluene	13.104	91	365809	16.843	ug/l	100
79) tert-butylbenzene	13.321	119	427079	17.302	ug/l	94
80) 1,2,4-Trimethylbenzene	13.363	105	459797m	17.324	ug/l	
81) sec-Butylbenzene	13.498	105	567826	17.120	ug/l	98
82) p-Isopropyltoluene	13.610	119	457042	16.960	ug/l	97
83) 1,3-Dichlorobenzene	13.610	146	240523	17.672	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	226289	17.419	ug/l	99
85) n-Butylbenzene	13.939	91	318061	15.890	ug/l	95
86) Hexachloroethane	14.210	117	84242	16.740	ug/l	80
87) 1,2-Dichlorobenzene	13.986	146	232353	17.658	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.598	75	34709	17.579	ug/l	88
89) 1,2,4-Trichlorobenzene	15.263	180	98661	16.221	ug/l	98
90) Hexachlorobutadiene	15.363	225	66853	18.548	ug/l	96
91) Naphthalene	15.504	128	251492	14.872	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	97351	16.319	ug/l	96

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

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