

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032422\
 Data File : VN071522.D
 Acq On : 24 Mar 2022 15:48
 Operator : JC\MD
 Sample : VN0324WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0324WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/25/2022
 Supervised By : Mahesh Dadoda 03/25/2022

Quant Time: Mar 24 16:11:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 12:03:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.657	128	113854	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	613135	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	552804	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	238012	29.671	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.900%		
60) 4-Bromofluorobenzene	12.727	95	244141	29.785	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.300%		
63) Toluene-d8	10.439	98	766545	30.547	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.833%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	127424	17.981	ug/l	98
3) Chloromethane	2.298	50	150063	17.966	ug/l	97
4) Vinyl Chloride	2.440	62	165856	17.315	ug/l	97
5) Bromomethane	2.851	94	116117	20.572	ug/l	96
6) Chloroethane	3.016	64	108489	17.687	ug/l	100
7) Trichlorofluoromethane	3.375	101	194864	17.449	ug/l	94
8) Diethyl Ether	3.822	74	84625	18.034	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.216	101	122226	18.275	ug/l #	66
10) 1,1-Dichloroethene	4.181	96	115176	17.461	ug/l	96
11) Methyl Iodide	4.422	142	167706	17.351	ug/l	90
12) Methyl Acetate	4.851	43	164450	17.691	ug/l	95
13) Acrolein	4.040	56	84859	85.807	ug/l	97
14) Acrylonitrile	5.545	53	381445	90.601	ug/l	89
15) Acetone	4.281	58	96869	79.951	ug/l	100
16) Carbon Disulfide	4.534	76	288752	16.813	ug/l	99
17) Allyl chloride	4.839	41	183543	17.156	ug/l	87
18) Methylene Chloride	5.092	84	141961	17.940	ug/l	97
19) trans-1,2-Dichloroethene	5.598	96	126194	17.887	ug/l	97
20) Diisopropyl ether	6.486	45	410418	18.334	ug/l	97
21) 1,1-Dichloroethane	6.386	63	240150	17.769	ug/l	97
22) cis-1,2-Dichloroethene	7.322	96	152426	17.783	ug/l	97
23) tert-Butyl Alcohol	5.357	59	129233	86.023	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	431154	18.111	ug/l	94
25) Chloroform	7.810	83	249211	18.334	ug/l	98
26) Cyclohexane	8.092	56	206373	17.666	ug/l #	99
29) 1,1-Dichloropropene	8.216	75	177066	17.842	ug/l	99
30) 2-Butanone	7.328	43	486762	88.114	ug/l	98
31) 2,2-Dichloropropane	7.322	77	196135	17.349	ug/l #	78
32) 1,1,1-Trichloroethane	8.010	97	208142	18.008	ug/l	99
33) Carbon Tetrachloride	8.204	117	173962	17.780	ug/l	99
34) Benzene	8.457	78	558862	18.125	ug/l	97
35) Methacrylonitrile	7.633	41	104416	19.700	ug/l	96
36) 1,2-Dichloroethane	8.522	62	201004	18.687	ug/l	96
37) Trichloroethene	9.210	130	140586	17.670	ug/l	100
38) Methylcyclohexane	9.457	83	225398	18.019	ug/l	98
39) 1,2-Dichloropropane	9.486	63	142950	18.531	ug/l	95
40) Dibromomethane	9.574	93	97081	18.592	ug/l	86
41) Bromodichloromethane	9.757	83	188039	17.996	ug/l	96
42) Vinyl Acetate	6.428	43	1746883	92.290	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	195729	18.272	ug/l	97
44) Isopropyl Acetate	8.557	43	309433	18.011	ug/l	96
45) 1,4-Dioxane	9.563	88	60644	349.854	ug/l	95
46) Methyl methacrylate	9.557	41	133735	17.751	ug/l	82
47) n-amyl Acetate	12.386	43	201285	17.557	ug/l	92
48) t-1,3-Dichloropropene	10.716	75	200924	17.692	ug/l	98
49) cis-1,3-Dichloropropene	10.186	75	223950	18.032	ug/l #	89
50) 1,1,2-Trichloroethane	10.892	97	144536	18.516	ug/l	98
51) Ethyl methacrylate	10.757	69	220459	18.292	ug/l	85
52) 1,3-Dichloropropane	11.039	76	247816	18.590	ug/l	98
53) Dibromochloromethane	11.233	129	146021	18.071	ug/l	99
54) 1,2-Dibromoethane	11.339	107	146791	18.281	ug/l	95
55) 2-Chloroethyl vinyl ether	10.033	63	311623	95.963	ug/l	98
56) Bromoform	12.457	173	109015	17.498	ug/l #	99
58) 4-Methyl-2-Pentanone	10.327	43	966613	92.112	ug/l	93
59) 2-Hexanone	11.080	43	692671	90.407	ug/l	91
61) Tetrachloroethene	10.974	164	124194	18.460	ug/l	89
62) Toluene	10.498	91	617413	18.419	ug/l	98
64) Chlorobenzene	11.768	112	377960	18.280	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.839	131	140105	18.471	ug/l	98
66) Ethyl Benzene	11.839	91	660511	18.133	ug/l	99
67) m/p-Xylenes	11.951	106	510585	36.030	ug/l	99
68) o-Xylene	12.274	106	254647	18.079	ug/l	97
69) Styrene	12.292	104	397511	17.932	ug/l	97
70) Isopropylbenzene	12.574	105	642206	18.166	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.821	83	219286	19.059	ug/l	97
72) 1,2,3-Trichloropropane	12.874	75	191247m	19.348	ug/l	
73) Bromobenzene	12.857	156	154599	17.927	ug/l	99
74) n-propylbenzene	12.915	91	689491	17.870	ug/l	97
75) 2-Chlorotoluene	13.004	91	436693	18.112	ug/l	100
76) 1,3,5-Trimethylbenzene	13.057	105	514721	18.149	ug/l	95
77) t-1,4-Dichloro-2-butene	12.621	75	59137	17.039	ug/l	94
78) 4-Chlorotoluene	13.104	91	400145	17.770	ug/l	98
79) tert-butylbenzene	13.321	119	461994	18.052	ug/l	94
80) 1,2,4-Trimethylbenzene	13.362	105	497265m	18.070	ug/l	
81) sec-Butylbenzene	13.498	105	611272	17.776	ug/l	98
82) p-Isopropyltoluene	13.609	119	488849	17.496	ug/l	96
83) 1,3-Dichlorobenzene	13.609	146	254424	18.029	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	241948	17.963	ug/l	98
85) n-Butylbenzene	13.939	91	340476	16.406	ug/l	95
86) Hexachloroethane	14.204	117	88867	17.032	ug/l	78
87) 1,2-Dichlorobenzene	13.986	146	253693	18.595	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.598	75	36133	17.651	ug/l	86
89) 1,2,4-Trichlorobenzene	15.262	180	107954	17.118	ug/l	98
90) Hexachlorobutadiene	15.368	225	72028	19.274	ug/l	98
91) Naphthalene	15.503	128	276096	18.245	ug/l	98
92) 1,2,3-Trichlorobenzene	15.698	180	106409	17.204	ug/l	98

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

