

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080822\
 Data File : VN073769.D
 Acq On : 08 Aug 2022 14:46
 Operator : JC\MD
 Sample : VN0808WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/09/2022
 Supervised By : Mahesh Dadoda 08/09/2022

Quant Time: Aug 09 00:26:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 27 18:07:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.587	128	55573	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	285990	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	268256	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	140641	29.270	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.567%		
60) 4-Bromofluorobenzene	12.674	95	138420	29.142	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.133%		
63) Toluene-d8	10.380	98	455637	30.165	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.533%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	69584	18.422	ug/l	95
3) Chloromethane	2.269	50	94095	18.841	ug/l	95
4) Vinyl Chloride	2.405	62	112756	18.395	ug/l	99
5) Bromomethane	2.799	94	64651	20.761	ug/l	98
6) Chloroethane	2.963	64	77750	18.722	ug/l	100
7) Trichlorofluoromethane	3.316	101	151187	25.076	ug/l	94
8) Diethyl Ether	3.763	74	48714	20.079	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.140	101	68985	18.979	ug/l #	65
10) 1,1-Dichloroethene	4.110	96	68477	19.682	ug/l	95
11) Methyl Iodide	4.346	142	61523	15.330	ug/l	92
12) Methyl Acetate	4.781	43	122161	20.660	ug/l	97
13) Acrolein	3.987	56	137748	132.518	ug/l	97
14) Acrylonitrile	5.481	53	273716	100.299	ug/l	98
15) Acetone	4.228	58	76518	100.858	ug/l	85
16) Carbon Disulfide	4.457	76	168595	17.732	ug/l	98
17) Allyl chloride	4.763	41	107160	18.465	ug/l	89
18) Methylene Chloride	5.010	84	83264	18.887	ug/l	99
19) trans-1,2-Dichloroethene	5.516	96	72350	18.756	ug/l	97
20) Diisopropyl ether	6.410	45	236506	18.734	ug/l	96
21) 1,1-Dichloroethane	6.310	63	141124	18.944	ug/l	97
22) cis-1,2-Dichloroethene	7.251	96	90865	19.581	ug/l	94
23) tert-Butyl Alcohol	5.293	59	104872	108.739	ug/l #	100
24) Methyl tert-Butyl Ether	5.534	73	243571	19.865	ug/l	92
25) Chloroform	7.745	83	149959	19.502	ug/l	100
26) Cyclohexane	8.022	56	112145	17.452	ug/l #	96
29) 1,1-Dichloropropene	8.151	75	99207	18.565	ug/l	100
30) 2-Butanone	7.263	43	382244	103.476	ug/l	99
31) 2,2-Dichloropropane	7.251	77	109380	19.616	ug/l	99
32) 1,1,1-Trichloroethane	7.939	97	124841	20.184	ug/l	98
33) Carbon Tetrachloride	8.134	117	105905	19.968	ug/l	98
34) Benzene	8.392	78	338281	19.563	ug/l	99
35) Methacrylonitrile	7.563	41	53514	17.846	ug/l	96
36) 1,2-Dichloroethane	8.463	62	113843	19.965	ug/l	96
37) Trichloroethene	9.151	130	85040	19.990	ug/l	99
38) Methylcyclohexane	9.398	83	119941	18.081	ug/l	97
39) 1,2-Dichloropropane	9.428	63	84472	19.364	ug/l	99
40) Dibromomethane	9.516	93	61703	20.844	ug/l	89
41) Bromodichloromethane	9.698	83	115426	19.919	ug/l	95
42) Vinyl Acetate	6.351	43	1040652	97.764	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.339	43	143017	20.394	ug/l	99
44) Isopropyl Acetate	8.498	43	193615	19.854	ug/l	94
45) 1,4-Dioxane	9.510	88	52280	449.595	ug/l	97
46) Methyl methacrylate	9.498	41	91216	20.916	ug/l	86
47) n-amyl Acetate	12.327	43	142876	18.377	ug/l	93
48) t-1,3-Dichloropropene	10.663	75	115016	19.280	ug/l	100
49) cis-1,3-Dichloropropene	10.128	75	127440	19.240	ug/l #	89
50) 1,1,2-Trichloroethane	10.839	97	90264	20.325	ug/l	95
51) Ethyl methacrylate	10.704	69	127979	19.168	ug/l	84
52) 1,3-Dichloropropane	10.986	76	146221	19.534	ug/l	99
53) Dibromochloromethane	11.180	129	91234	20.271	ug/l	99
54) 1,2-Dibromoethane	11.286	107	91722	20.266	ug/l	97
55) 2-Chloroethyl vinyl ether	9.980	63	268134	89.540	ug/l	99
56) Bromoform	12.398	173	71050	20.089	ug/l #	99
58) 4-Methyl-2-Pentanone	10.275	43	717548	103.448	ug/l	94
59) 2-Hexanone	11.027	43	550630	103.064	ug/l	94
61) Tetrachloroethene	10.916	164	80713	19.643	ug/l	91
62) Toluene	10.445	91	366092	19.625	ug/l	98
64) Chlorobenzene	11.710	112	221138	19.840	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.780	131	83972	20.296	ug/l	99
66) Ethyl Benzene	11.786	91	374611	18.784	ug/l	96
67) m/p-Xylenes	11.898	106	299099	39.238	ug/l	98
68) o-Xylene	12.222	106	148206	19.575	ug/l	97
69) Styrene	12.233	104	239082	19.159	ug/l	96
70) Isopropylbenzene	12.522	105	377534	19.504	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.769	83	142016	20.865	ug/l	99
72) 1,2,3-Trichloropropane	12.821	75	124344m	21.875	ug/l	
73) Bromobenzene	12.798	156	98298	20.444	ug/l	93
74) n-propylbenzene	12.863	91	421072	18.692	ug/l	99
75) 2-Chlorotoluene	12.951	91	261349	19.354	ug/l	100
76) 1,3,5-Trimethylbenzene	12.998	105	311318	19.201	ug/l	95
77) t-1,4-Dichloro-2-butene	12.569	75	38191	18.436	ug/l	98
78) 4-Chlorotoluene	13.045	91	242536	18.697	ug/l	99
79) tert-butylbenzene	13.263	119	273637	19.522	ug/l	93
80) 1,2,4-Trimethylbenzene	13.310	105	315345m	19.636	ug/l	
81) sec-Butylbenzene	13.439	105	374416	18.603	ug/l	98
82) p-Isopropyltoluene	13.557	119	308408	18.664	ug/l	95
83) 1,3-Dichlorobenzene	13.557	146	169025	19.204	ug/l	98
84) 1,4-Dichlorobenzene	13.633	146	164759	19.406	ug/l	96
85) n-Butylbenzene	13.886	91	227833	17.009	ug/l	98
86) Hexachloroethane	14.151	117	58573	19.328	ug/l	77
87) 1,2-Dichlorobenzene	13.927	146	179396	20.160	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.545	75	30550	20.550	ug/l #	80
89) 1,2,4-Trichlorobenzene	15.198	180	88641	18.099	ug/l	95
90) Hexachlorobutadiene	15.304	225	47924	19.320	ug/l	97
91) Naphthalene	15.433	128	309217	19.228	ug/l	99
92) 1,2,3-Trichlorobenzene	15.627	180	96317	19.144	ug/l	97

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

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