

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080822\
 Data File : VN073768.D
 Acq On : 08 Aug 2022 14:22
 Operator : JC\MD
 Sample : VN0808WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBS01

Manual Integrations
 APPROVED

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

Quant Time: Aug 09 00:25:37 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	7.586	128	55711	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	296863	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	274346	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	140972	29.266	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.567%		
60) 4-Bromofluorobenzene	12.668	95	140293	28.881	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.267%		
63) Toluene-d8	10.380	98	465394	30.127	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.433%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	72896	19.251	ug/l	99
3) Chloromethane	2.263	50	93129	18.601	ug/l	99
4) Vinyl Chloride	2.404	62	117034	19.046	ug/l	100
5) Bromomethane	2.804	94	66253	21.223	ug/l	96
6) Chloroethane	2.963	64	73382	17.626	ug/l	90
7) Trichlorofluoromethane	3.316	101	159585	26.403	ug/l	97
8) Diethyl Ether	3.763	74	44860	18.445	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.140	101	75553	20.735	ug/l #	48
10) 1,1-Dichloroethene	4.110	96	67673	19.403	ug/l	92
11) Methyl Iodide	4.351	142	62321	15.490	ug/l	89
12) Methyl Acetate	4.775	43	118918	20.061	ug/l	98
13) Acrolein	3.981	56	134660	129.227	ug/l	97
14) Acrylonitrile	5.475	53	267509	97.782	ug/l	96
15) Acetone	4.222	58	72969	95.942	ug/l	93
16) Carbon Disulfide	4.457	76	177152	18.586	ug/l	97
17) Allyl chloride	4.757	41	108110	18.583	ug/l	86
18) Methylene Chloride	5.004	84	85219	19.283	ug/l	91
19) trans-1,2-Dichloroethene	5.510	96	76125	19.685	ug/l	97
20) Diisopropyl ether	6.416	45	241172	19.056	ug/l	93
21) 1,1-Dichloroethane	6.304	63	142769	19.117	ug/l	97
22) cis-1,2-Dichloroethene	7.245	96	90690	19.495	ug/l	95
23) tert-Butyl Alcohol	5.287	59	95190	98.456	ug/l #	100
24) Methyl tert-Butyl Ether	5.534	73	242625	19.739	ug/l	92
25) Chloroform	7.745	83	151831	19.697	ug/l	99
26) Cyclohexane	8.022	56	118756	18.435	ug/l #	98
29) 1,1-Dichloropropene	8.145	75	105155	18.958	ug/l	99
30) 2-Butanone	7.263	43	361152	94.186	ug/l	98
31) 2,2-Dichloropropane	7.245	77	114535	19.789	ug/l	100
32) 1,1,1-Trichloroethane	7.945	97	129452	20.163	ug/l	99
33) Carbon Tetrachloride	8.133	117	108071	19.630	ug/l	97
34) Benzene	8.392	78	343190	19.120	ug/l	98
35) Methacrylonitrile	7.563	41	55346	17.781	ug/l	95
36) 1,2-Dichloroethane	8.463	62	115065	19.440	ug/l #	93
37) Trichloroethene	9.151	130	86588	19.608	ug/l	97
38) Methylcyclohexane	9.398	83	127299	18.487	ug/l	96
39) 1,2-Dichloropropane	9.427	63	85755	18.938	ug/l	93
40) Dibromomethane	9.516	93	59952	19.511	ug/l	87
41) Bromodichloromethane	9.704	83	117907	19.602	ug/l	92
42) Vinyl Acetate	6.351	43	1031706	93.374	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.333	43	143406	19.700	ug/l	94
44) Isopropyl Acetate	8.492	43	194232	19.187	ug/l	97
45) 1,4-Dioxane	9.510	88	51441	426.177	ug/l	95
46) Methyl methacrylate	9.498	41	81119	17.919	ug/l	84
47) n-amyl Acetate	12.333	43	143324	17.759	ug/l	95
48) t-1,3-Dichloropropene	10.663	75	112921	18.235	ug/l	97
49) cis-1,3-Dichloropropene	10.127	75	129122	18.780	ug/l	89
50) 1,1,2-Trichloroethane	10.839	97	88566	19.212	ug/l	98
51) Ethyl methacrylate	10.704	69	129351	18.664	ug/l	84
52) 1,3-Dichloropropane	10.986	76	148638	19.130	ug/l	100
53) Dibromochloromethane	11.180	129	91270	19.537	ug/l	100
54) 1,2-Dibromoethane	11.286	107	91057	19.382	ug/l	98
55) 2-Chloroethyl vinyl ether	9.980	63	262555	84.465	ug/l	98
56) Bromoform	12.398	173	69569	18.950	ug/l #	99
58) 4-Methyl-2-Pentanone	10.274	43	688753	97.092	ug/l	94
59) 2-Hexanone	11.027	43	528311	96.691	ug/l	94
61) Tetrachloroethene	10.916	164	84409	20.086	ug/l	91
62) Toluene	10.445	91	378699	19.850	ug/l	98
64) Chlorobenzene	11.710	112	224103	19.660	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.786	131	85024	20.094	ug/l	98
66) Ethyl Benzene	11.786	91	387489	18.998	ug/l	98
67) m/p-Xylenes	11.892	106	313326	40.192	ug/l	96
68) o-Xylene	12.221	106	152139	19.648	ug/l	96
69) Styrene	12.233	104	247001	19.354	ug/l	97
70) Isopropylbenzene	12.521	105	389289	19.665	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.768	83	140537	20.190	ug/l	98
72) 1,2,3-Trichloropropane	12.821	75	119238m	20.511	ug/l	
73) Bromobenzene	12.798	156	98711	20.074	ug/l	94
74) n-propylbenzene	12.863	91	446074	19.362	ug/l	99
75) 2-Chlorotoluene	12.945	91	271011	19.624	ug/l	100
76) 1,3,5-Trimethylbenzene	12.998	105	328958	19.839	ug/l	96
77) t-1,4-Dichloro-2-butene	12.568	75	38745	18.288	ug/l	97
78) 4-Chlorotoluene	13.045	91	254940	19.217	ug/l	99
79) tert-butylbenzene	13.262	119	278463	19.425	ug/l	94
80) 1,2,4-Trimethylbenzene	13.310	105	325663m	19.828	ug/l	
81) sec-Butylbenzene	13.439	105	399201	19.394	ug/l	98
82) p-Isopropyltoluene	13.557	119	327548	19.383	ug/l	96
83) 1,3-Dichlorobenzene	13.557	146	176531	19.611	ug/l	96
84) 1,4-Dichlorobenzene	13.633	146	170283	19.611	ug/l	97
85) n-Butylbenzene	13.880	91	241850	17.655	ug/l	98
86) Hexachloroethane	14.151	117	59824	19.303	ug/l	81
87) 1,2-Dichlorobenzene	13.927	146	178961	19.665	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.545	75	28726	18.894	ug/l #	75
89) 1,2,4-Trichlorobenzene	15.198	180	91869	18.341	ug/l	95
90) Hexachlorobutadiene	15.304	225	51826	20.429	ug/l	99
91) Naphthalene	15.439	128	293849	17.867	ug/l	99
92) 1,2,3-Trichlorobenzene	15.627	180	97808	19.009	ug/l	97

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

