

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082322\
 Data File : VN074063.D
 Acq On : 23 Aug 2022 12:46
 Operator : JC\MD
 Sample : VN0823WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBS02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/24/2022
 Supervised By :Mahesh Dadoda 08/24/2022

Quant Time: Aug 24 01:20:24 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	71850	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	391921	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	349268	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	178757	28.775	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.900%		
60) 4-Bromofluorobenzene	12.668	95	191143	30.908	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	103.033%		
63) Toluene-d8	10.380	98	582654	29.627	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.767%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	91107	18.655	ug/l	100
3) Chloromethane	2.269	50	113741	17.615	ug/l	96
4) Vinyl Chloride	2.404	62	131452	16.587	ug/l	99
5) Bromomethane	2.804	94	70550	17.523	ug/l	99
6) Chloroethane	2.969	64	78822	14.680	ug/l	99
7) Trichlorofluoromethane	3.316	101	169277	21.716	ug/l	97
8) Diethyl Ether	3.769	74	61680	19.664	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.146	101	90520	19.262	ug/l #	62
10) 1,1-Dichloroethene	4.116	96	86503	19.230	ug/l	97
11) Methyl Iodide	4.346	142	94814	18.273	ug/l	88
12) Methyl Acetate	4.781	43	161579	21.136	ug/l	98
13) Acrolein	3.981	56	82588	61.453	ug/l	100
14) Acrylonitrile	5.475	53	354319	100.422	ug/l	99
15) Acetone	4.222	58	98711	100.635	ug/l	86
16) Carbon Disulfide	4.457	76	222186	18.075	ug/l	100
17) Allyl chloride	4.763	41	141526	18.862	ug/l	83
18) Methylene Chloride	5.010	84	105002	18.422	ug/l	95
19) trans-1,2-Dichloroethene	5.516	96	95247	19.098	ug/l	97
20) Diisopropyl ether	6.416	45	304301	18.644	ug/l	90
21) 1,1-Dichloroethane	6.310	63	182449	18.943	ug/l	95
22) cis-1,2-Dichloroethene	7.245	96	117526	19.589	ug/l	93
23) tert-Butyl Alcohol	5.292	59	131264	105.271	ug/l #	100
24) Methyl tert-Butyl Ether	5.534	73	312494m	19.713	ug/l	
25) Chloroform	7.745	83	192410	19.354	ug/l	100
26) Cyclohexane	8.022	56	147167	17.714	ug/l #	97
29) 1,1-Dichloropropene	8.151	75	133897	18.284	ug/l	98
30) 2-Butanone	7.263	43	478140	94.451	ug/l	98
31) 2,2-Dichloropropane	7.251	77	127670	16.708	ug/l	98
32) 1,1,1-Trichloroethane	7.945	97	162182	19.134	ug/l	99
33) Carbon Tetrachloride	8.133	117	141464	19.463	ug/l	95
34) Benzene	8.392	78	435910	18.395	ug/l	99
35) Methacrylonitrile	7.563	41	84211	20.493	ug/l	94
36) 1,2-Dichloroethane	8.463	62	145417	18.609	ug/l #	93
37) Trichloroethene	9.151	130	109273	18.744	ug/l	98
38) Methylcyclohexane	9.392	83	153702	16.908	ug/l	96
39) 1,2-Dichloropropane	9.428	63	107160	17.925	ug/l	97
40) Dibromomethane	9.516	93	76163	18.775	ug/l	83
41) Bromodichloromethane	9.698	83	149604	18.839	ug/l	97
42) Vinyl Acetate	6.351	43	1302041	89.259	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.339	43	179283	18.655	ug/l	99
44) Isopropyl Acetate	8.492	43	238754	17.865	ug/l	93
45) 1,4-Dioxane	9.510	88	64278	403.367	ug/l #	94
46) Methyl methacrylate	9.498	41	106117	17.756	ug/l	79
47) n-amyl Acetate	12.327	43	186860	17.538	ug/l	92
48) t-1,3-Dichloropropene	10.663	75	145880	17.844	ug/l	98
49) cis-1,3-Dichloropropene	10.127	75	164718	18.146	ug/l #	86
50) 1,1,2-Trichloroethane	10.839	97	113069	18.579	ug/l	95
51) Ethyl methacrylate	10.704	69	167470	18.303	ug/l	79
52) 1,3-Dichloropropane	10.986	76	188478	18.374	ug/l	100
53) Dibromochloromethane	11.180	129	120318	19.508	ug/l	99
54) 1,2-Dibromoethane	11.286	107	115364	18.600	ug/l	95
55) 2-Chloroethyl vinyl ether	9.980	63	454952	110.862	ug/l	99
56) Bromoform	12.398	173	96497	19.909	ug/l #	99
58) 4-Methyl-2-Pentanone	10.269	43	895227	99.127	ug/l	93
59) 2-Hexanone	11.027	43	694119	99.786	ug/l	91
61) Tetrachloroethene	10.916	164	96407	18.020	ug/l	87
62) Toluene	10.445	91	468979	19.309	ug/l	98
64) Chlorobenzene	11.710	112	285894	19.701	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.780	131	111648	20.726	ug/l	99
66) Ethyl Benzene	11.786	91	488797	18.824	ug/l	98
67) m/p-Xylenes	11.892	106	392142	39.512	ug/l	96
68) o-Xylene	12.221	106	194809	19.762	ug/l	95
69) Styrene	12.233	104	311655	19.182	ug/l	97
70) Isopropylbenzene	12.521	105	488733	19.392	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.768	83	183376	20.693	ug/l	98
72) 1,2,3-Trichloropropane	12.821	75	153507m	20.741	ug/l	
73) Bromobenzene	12.798	156	126698	20.238	ug/l	96
74) n-propylbenzene	12.863	91	545833	18.610	ug/l	97
75) 2-Chlorotoluene	12.945	91	341522	19.425	ug/l	100
76) 1,3,5-Trimethylbenzene	12.998	105	412274	19.530	ug/l	95
77) t-1,4-Dichloro-2-butene	12.568	75	49493	18.350	ug/l	91
78) 4-Chlorotoluene	13.045	91	325957	19.299	ug/l	100
79) tert-butylbenzene	13.263	119	361588	19.813	ug/l	93
80) 1,2,4-Trimethylbenzene	13.310	105	409144m	19.567	ug/l	
81) sec-Butylbenzene	13.439	105	490949	18.735	ug/l	98
82) p-Isopropyltoluene	13.557	119	408841	19.003	ug/l	97
83) 1,3-Dichlorobenzene	13.551	146	225798	19.704	ug/l	97
84) 1,4-Dichlorobenzene	13.633	146	216992	19.630	ug/l	98
85) n-Butylbenzene	13.880	91	304952	17.486	ug/l	97
86) Hexachloroethane	14.151	117	76326	19.345	ug/l	74
87) 1,2-Dichlorobenzene	13.927	146	231008	19.939	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.539	75	41292	21.333	ug/l #	77
89) 1,2,4-Trichlorobenzene	15.198	180	131067	20.554	ug/l	97
90) Hexachlorobutadiene	15.304	225	69827	21.620	ug/l	99
91) Naphthalene	15.433	128	459824	21.961	ug/l	99
92) 1,2,3-Trichlorobenzene	15.627	180	139563	21.306	ug/l	98

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

