

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080323\
 Data File : VN078754.D
 Acq On : 03 Aug 2023 15:43
 Operator : JC\MD
 Sample : VN0803WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS02

Quant Time: Aug 04 06:31:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080123W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 02 04:51:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2023
 Supervised By :Semsettin Yesilyurt 08/04/2023

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

Internal Standards						
1) Bromochloromethane	7.818	128	112415	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	537605	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	519977	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	307989	36.550	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 121.833%#			
60) 4-Bromofluorobenzene	12.853	95	332729	42.698	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 142.333%#			
63) Toluene-d8	10.571	98	721773	28.099	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 93.667%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	104038	14.672	ug/l	99
3) Chloromethane	2.371	50	178700	20.474	ug/l	99
4) Vinyl Chloride	2.524	62	209265	17.642	ug/l	95
5) Bromomethane	2.965	94	126980	14.321	ug/l	99
6) Chloroethane	3.130	64	130065	16.837	ug/l	99
7) Trichlorofluoromethane	3.500	101	215132	17.681	ug/l	93
8) Diethyl Ether	3.971	74	62735	15.793	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.383	101	106650	16.329	ug/l	98
10) 1,1-Dichloroethene	4.353	96	102299	16.334	ug/l	97
11) Methyl Iodide	4.606	142	140143	15.919	ug/l	94
12) Methyl Acetate	5.041	43	169638	16.699	ug/l	100
13) Acrolein	4.189	56	80369	74.295	ug/l	97
14) Acrylonitrile	5.736	53	248708	83.610	ug/l	99
15) Acetone	4.447	58	66066	76.656	ug/l	84
16) Carbon Disulfide	4.718	76	269687	15.244	ug/l #	95
17) Allyl chloride	5.036	41	133049	15.559	ug/l	97
18) Methylene Chloride	5.294	84	126676	16.859	ug/l	94
19) trans-1,2-Dichloroethene	5.794	96	114507	15.813	ug/l	86
20) Diisopropyl ether	6.677	45	416530	21.633	ug/l	95
21) 1,1-Dichloroethane	6.577	63	301112	23.618	ug/l	96
22) cis-1,2-Dichloroethene	7.494	96	161467	19.855	ug/l	99
23) tert-Butyl Alcohol	5.536	59	101137	83.205	ug/l	100
24) Methyl tert-Butyl Ether	5.818	73	343154	16.294	ug/l	95
25) Chloroform	7.971	83	283006	20.967	ug/l	94
26) Cyclohexane	8.265	56	267268	28.459	ug/l #	94
29) 1,1-Dichloropropene	8.382	75	210927	26.664	ug/l	97
30) 2-Butanone	7.494	43	383507	122.641	ug/l	100
31) 2,2-Dichloropropane	7.494	77	200464	22.084	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	247697	24.749	ug/l	99
33) Carbon Tetrachloride	8.371	117	242129	27.239	ug/l	98
34) Benzene	8.612	78	629003	26.471	ug/l	97
35) Methacrylonitrile	7.788	41	94927	27.644	ug/l	78
36) 1,2-Dichloroethane	8.677	62	219864	26.346	ug/l	99
37) Trichloroethene	9.359	130	128444	19.262	ug/l	95
38) Methylcyclohexane	9.606	83	148337	18.251	ug/l	97
39) 1,2-Dichloropropane	9.629	63	130161	20.433	ug/l	92
40) Dibromomethane	9.718	93	90419	20.508	ug/l	98
41) Bromodichloromethane	9.894	83	184714	20.956	ug/l	97
42) Vinyl Acetate	6.618	43	1346766	133.959	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	184777	28.582	ug/l	100
44) Isopropyl Acetate	8.700	43	285181	25.143	ug/l	99
45) 1,4-Dioxane	9.700	88	44070	422.383	ug/l	91
46) Methyl methacrylate	9.688	41	108232	20.837	ug/l	96
47) n-amyl Acetate	12.500	43	251992	28.846	ug/l	95
48) t-1,3-Dichloropropene	10.841	75	182897	19.442	ug/l	99
49) cis-1,3-Dichloropropene	10.318	75	195224	19.538	ug/l	95
50) 1,1,2-Trichloroethane	11.023	97	128129	20.530	ug/l	98
51) Ethyl methacrylate	10.882	69	166026	19.431	ug/l	89
52) 1,3-Dichloropropane	11.170	76	212155	18.913	ug/l	98
53) Dibromochloromethane	11.365	129	138494	19.643	ug/l	97
54) 1,2-Dibromoethane	11.476	107	128367	20.483	ug/l	98
55) 2-Chloroethyl vinyl ether	10.171	63	283870	104.260	ug/l	98
56) Bromoform	12.582	173	137579	29.823	ug/l #	96
58) 4-Methyl-2-Pentanone	10.453	43	714551	91.810	ug/l	99
59) 2-Hexanone	11.200	43	490115	83.169	ug/l	98
61) Tetrachloroethene	11.106	164	123141	18.010	ug/l	89
62) Toluene	10.635	91	557825	17.835	ug/l	98
64) Chlorobenzene	11.894	112	337991	18.509	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.965	131	136718	18.984	ug/l	98
66) Ethyl Benzene	11.970	91	585834	18.585	ug/l	99
67) m/p-Xylenes	12.076	106	441947	36.704	ug/l	99
68) o-Xylene	12.406	106	242676	19.807	ug/l	95
69) Styrene	12.417	104	385878	19.575	ug/l	99
70) Isopropylbenzene	12.700	105	810741	26.749	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	273624	27.791	ug/l	98
72) 1,2,3-Trichloropropane	13.000	75	219793m	26.612	ug/l	
73) Bromobenzene	12.988	156	193615	26.062	ug/l	95
74) n-propylbenzene	13.041	91	894132	26.616	ug/l	100
75) 2-Chlorotoluene	13.129	91	598232	25.786	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	681468	25.183	ug/l	98
77) t-1,4-Dichloro-2-butene	12.741	75	70933	24.573	ug/l	91
78) 4-Chlorotoluene	13.229	91	554162	24.739	ug/l	97
79) tert-butylbenzene	13.441	119	501717	21.541	ug/l	97
80) 1,2,4-Trimethylbenzene	13.488	105	561547	21.727	ug/l	99
81) sec-Butylbenzene	13.623	105	523719	17.543	ug/l	99
82) p-Isopropyltoluene	13.735	119	419271	17.106	ug/l	99
83) 1,3-Dichlorobenzene	13.741	146	226082	17.161	ug/l	99
84) 1,4-Dichlorobenzene	13.817	146	198975	16.133	ug/l	100
85) n-Butylbenzene	14.064	91	251581	14.802	ug/l	99
86) Hexachloroethane	14.341	117	75420	16.889	ug/l	94
87) 1,2-Dichlorobenzene	14.111	146	202544	16.427	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.723	75	26959	16.123	ug/l	98
89) 1,2,4-Trichlorobenzene	15.400	180	53175	15.116	ug/l	99
90) Hexachlorobutadiene	15.505	225	44620	16.650	ug/l	97
91) Naphthalene	15.647	128	147162	13.809	ug/l	98
92) 1,2,3-Trichlorobenzene	15.841	180	62246	15.548	ug/l	97

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

