

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080323\
 Data File : VN078753.D
 Acq On : 03 Aug 2023 15:19
 Operator : JC\MD
 Sample : VN0803WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Aug 04 06:31:32 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

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

Internal Standards						
1) Bromochloromethane	7.818	128	96246	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	559635	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	452796	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	219337	30.402	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.333%			
60) 4-Bromofluorobenzene	12.853	95	201861	29.748	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.167%			
63) Toluene-d8	10.570	98	668318	29.878	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	96998	15.978	ug/l	93
3) Chloromethane	2.371	50	186288	24.928	ug/l	95
4) Vinyl Chloride	2.524	62	202065	19.897	ug/l	95
5) Bromomethane	2.971	94	123493	16.268	ug/l	93
6) Chloroethane	3.130	64	135275	20.453	ug/l	97
7) Trichlorofluoromethane	3.506	101	187603	18.008	ug/l	91
8) Diethyl Ether	3.971	74	63007	18.526	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	102194	18.275	ug/l	79
10) 1,1-Dichloroethene	4.353	96	96779	18.049	ug/l	88
11) Methyl Iodide	4.606	142	131583	17.458	ug/l	100
12) Methyl Acetate	5.047	43	158625	18.239	ug/l #	88
13) Acrolein	4.200	56	82352	88.917	ug/l	100
14) Acrylonitrile	5.735	53	242183	95.094	ug/l	96
15) Acetone	4.441	58	41245	55.896	ug/l	96
16) Carbon Disulfide	4.730	76	259964	17.163	ug/l	100
17) Allyl chloride	5.036	41	125068	17.083	ug/l	96
18) Methylene Chloride	5.288	84	122629	19.062	ug/l	94
19) trans-1,2-Dichloroethene	5.794	96	108540	17.508	ug/l	89
20) Diisopropyl ether	6.688	45	327993	19.897	ug/l	98
21) 1,1-Dichloroethane	6.582	63	210972	19.328	ug/l	98
22) cis-1,2-Dichloroethene	7.494	96	129911	18.659	ug/l	99
23) tert-Butyl Alcohol	5.541	59	95117m	91.398	ug/l	
24) Methyl tert-Butyl Ether	5.806	73	332607	18.447	ug/l	97
25) Chloroform	7.977	83	230859	19.977	ug/l	99
26) Cyclohexane	8.265	56	137583	17.111	ug/l #	97
29) 1,1-Dichloropropene	8.377	75	155887	18.931	ug/l	99
30) 2-Butanone	7.500	43	312865	96.112	ug/l	99
31) 2,2-Dichloropropane	7.506	77	162780	17.227	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	193332	18.557	ug/l	96
33) Carbon Tetrachloride	8.371	117	176933	19.121	ug/l	97
34) Benzene	8.618	78	481589	19.469	ug/l	98
35) Methacrylonitrile	7.788	41	69049	19.316	ug/l	92
36) 1,2-Dichloroethane	8.682	62	176803	20.352	ug/l	99
37) Trichloroethene	9.359	130	140369	20.222	ug/l	94
38) Methylcyclohexane	9.600	83	153536	18.147	ug/l	97
39) 1,2-Dichloropropane	9.635	63	140465	21.183	ug/l	95
40) Dibromomethane	9.712	93	106680	23.244	ug/l	97
41) Bromodichloromethane	9.894	83	184338	20.090	ug/l #	92
42) Vinyl Acetate	6.618	43	966036	92.306	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	133246	19.800	ug/l #	82
44) Isopropyl Acetate	8.700	43	221759	18.782	ug/l	99
45) 1,4-Dioxane	9.712	88	49201	452.997	ug/l #	90
46) Methyl methacrylate	9.688	41	120043	22.201	ug/l	97
47) n-amyl Acetate	12.500	43	161355	17.744	ug/l	99
48) t-1,3-Dichloropropene	10.841	75	176451	18.018	ug/l	100
49) cis-1,3-Dichloropropene	10.318	75	191900	18.449	ug/l	97
50) 1,1,2-Trichloroethane	11.023	97	122950	18.925	ug/l	93
51) Ethyl methacrylate	10.876	69	159799	17.966	ug/l	91
52) 1,3-Dichloropropane	11.170	76	202441	17.337	ug/l	98
53) Dibromochloromethane	11.365	129	134728	18.357	ug/l	100
54) 1,2-Dibromoethane	11.476	107	120249	18.433	ug/l	95
55) 2-Chloroethyl vinyl ether	10.171	63	281646	99.371	ug/l	98
56) Bromoform	12.582	173	87813	18.286	ug/l	100
58) 4-Methyl-2-Pentanone	10.453	43	682946	100.768	ug/l	99
59) 2-Hexanone	11.206	43	471234	91.830	ug/l	99
61) Tetrachloroethene	11.112	164	115202	19.348	ug/l	97
62) Toluene	10.635	91	528014	19.386	ug/l	100
64) Chlorobenzene	11.894	112	304007	19.118	ug/l	93
65) 1,1,1,2-Tetrachloroethane	11.964	131	127948	20.402	ug/l	98
66) Ethyl Benzene	11.970	91	529833	19.302	ug/l	97
67) m/p-Xylenes	12.076	106	398828	38.037	ug/l	99
68) o-Xylene	12.406	106	193770	18.162	ug/l	95
69) Styrene	12.417	104	311642	18.154	ug/l	100
70) Isopropylbenzene	12.700	105	485944	18.412	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	182088	21.238	ug/l	100
72) 1,2,3-Trichloropropane	12.994	75	154730m	21.514	ug/l	
73) Bromobenzene	12.982	156	136524	21.104	ug/l	97
74) n-propylbenzene	13.041	91	569998	19.485	ug/l	99
75) 2-Chlorotoluene	13.129	91	450848	22.316	ug/l	98
76) 1,3,5-Trimethylbenzene	13.182	105	462002	19.606	ug/l	98
77) t-1,4-Dichloro-2-butene	12.741	75	43275	17.216	ug/l	80
78) 4-Chlorotoluene	13.235	91	394582	20.229	ug/l	97
79) tert-butylbenzene	13.441	119	378217	18.648	ug/l	96
80) 1,2,4-Trimethylbenzene	13.488	105	435919	19.369	ug/l	98
81) sec-Butylbenzene	13.623	105	416105	16.006	ug/l	98
82) p-Isopropyltoluene	13.735	119	338316	15.851	ug/l	99
83) 1,3-Dichlorobenzene	13.741	146	191023	16.652	ug/l	97
84) 1,4-Dichlorobenzene	13.817	146	176306	16.416	ug/l	99
85) n-Butylbenzene	14.058	91	227676	15.383	ug/l	99
86) Hexachloroethane	14.335	117	66753	17.166	ug/l	93
87) 1,2-Dichlorobenzene	14.111	146	190200	17.715	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.723	75	25687	17.642	ug/l	98
89) 1,2,4-Trichlorobenzene	15.400	180	46238	15.094	ug/l	98
90) Hexachlorobutadiene	15.505	225	37417	16.033	ug/l	99
91) Naphthalene	15.647	128	123736	13.334	ug/l	97
92) 1,2,3-Trichlorobenzene	15.847	180	54613	15.666	ug/l	98

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

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