

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080323\
 Data File : VN078744.D
 Acq On : 03 Aug 2023 11:43
 Operator : JC\MD
 Sample : VN0803WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS01

Quant Time: Aug 04 06:29:47 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	7.824	128	135459	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	714177	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	639514	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	291472	28.705	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.700%		
60) 4-Bromofluorobenzene	12.853	95	224617	23.437	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	78.133%		
63) Toluene-d8	10.571	98	940582	29.773	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.233%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	95590	11.188	ug/l	100
3) Chloromethane	2.371	50	175443	16.681	ug/l	98
4) Vinyl Chloride	2.524	62	187812	13.140	ug/l	93
5) Bromomethane	2.971	94	127545	11.938	ug/l	91
6) Chloroethane	3.136	64	121052	13.004	ug/l	99
7) Trichlorofluoromethane	3.512	101	264208	18.020	ug/l	99
8) Diethyl Ether	3.977	74	104776	21.889	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.383	101	151676	19.272	ug/l	97
10) 1,1-Dichloroethene	4.353	96	144339	19.126	ug/l	97
11) Methyl Iodide	4.606	142	196814	18.554	ug/l	95
12) Methyl Acetate	5.042	43	265933	21.725	ug/l	99
13) Acrolein	4.195	56	133308	102.269	ug/l	98
14) Acrylonitrile	5.736	53	413275	115.298	ug/l	94
15) Acetone	4.442	58	105076	101.178	ug/l	88
16) Carbon Disulfide	4.724	76	400276	18.777	ug/l	100
17) Allyl chloride	5.036	41	207153	20.104	ug/l	89
18) Methylene Chloride	5.295	84	195137	21.552	ug/l	93
19) trans-1,2-Dichloroethene	5.800	96	169058	19.375	ug/l	98
20) Diisopropyl ether	6.683	45	526540	22.695	ug/l	96
21) 1,1-Dichloroethane	6.577	63	322554	20.996	ug/l	97
22) cis-1,2-Dichloroethene	7.494	96	207324	21.157	ug/l	98
23) tert-Butyl Alcohol	5.536	59	148227	101.200	ug/l	100
24) Methyl tert-Butyl Ether	5.806	73	541310	21.331	ug/l	96
25) Chloroform	7.977	83	340568	20.939	ug/l	94
26) Cyclohexane	8.271	56	230268	20.348	ug/l #	98
29) 1,1-Dichloropropene	8.377	75	239120	22.755	ug/l	99
30) 2-Butanone	7.494	43	498350	119.965	ug/l	98
31) 2,2-Dichloropropane	7.500	77	246664	20.456	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	288853	21.726	ug/l	98
33) Carbon Tetrachloride	8.371	117	252647	21.395	ug/l	96
34) Benzene	8.612	78	765209	24.241	ug/l	98
35) Methacrylonitrile	7.788	41	114256	25.046	ug/l	86
36) 1,2-Dichloroethane	8.677	62	245960	22.186	ug/l	96
37) Trichloroethene	9.359	130	187458	21.162	ug/l	95
38) Methylcyclohexane	9.606	83	221953	20.556	ug/l	95
39) 1,2-Dichloropropane	9.624	63	201565	23.819	ug/l	95
40) Dibromomethane	9.718	93	132191	22.570	ug/l	95
41) Bromodichloromethane	9.894	83	272206	23.247	ug/l #	91
42) Vinyl Acetate	6.618	43	1588938	118.972	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	203957	23.749	ug/l	97
44) Isopropyl Acetate	8.694	43	347213	23.043	ug/l	95
45) 1,4-Dioxane	9.706	88	62785	452.977	ug/l #	86
46) Methyl methacrylate	9.688	41	159859	23.167	ug/l	90
47) n-amyl Acetate	12.500	43	265912	22.914	ug/l	98
48) t-1,3-Dichloropropene	10.841	75	280434	22.439	ug/l	99
49) cis-1,3-Dichloropropene	10.318	75	312462	23.540	ug/l	92
50) 1,1,2-Trichloroethane	11.024	97	194564	23.467	ug/l	98
51) Ethyl methacrylate	10.876	69	271447	23.914	ug/l	93
52) 1,3-Dichloropropane	11.171	76	327523	21.979	ug/l	100
53) Dibromochloromethane	11.365	129	211035	22.532	ug/l	98
54) 1,2-Dibromoethane	11.476	107	190579	22.892	ug/l	99
55) 2-Chloroethyl vinyl ether	10.165	63	470007	129.945	ug/l	98
56) Bromoform	12.582	173	137878	22.498	ug/l	99
58) 4-Methyl-2-Pentanone	10.453	43	1062017	110.948	ug/l	97
59) 2-Hexanone	11.200	43	727107	100.322	ug/l	97
61) Tetrachloroethene	11.112	164	172214	20.479	ug/l	96
62) Toluene	10.635	91	817077	21.241	ug/l	99
64) Chlorobenzene	11.894	112	477943	21.281	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.965	131	197175	22.261	ug/l	97
66) Ethyl Benzene	11.971	91	836130	21.567	ug/l	100
67) m/p-Xylenes	12.076	106	625799	42.258	ug/l	98
68) o-Xylene	12.406	106	318204	21.117	ug/l	99
69) Styrene	12.418	104	498194	20.548	ug/l	98
70) Isopropylbenzene	12.700	105	662528	17.773	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	194282	16.044	ug/l	98
72) 1,2,3-Trichloropropane	13.000	75	151319m	14.897	ug/l	
73) Bromobenzene	12.988	156	128329	14.045	ug/l	98
74) n-propylbenzene	13.041	91	528724	12.797	ug/l	98
75) 2-Chlorotoluene	13.129	91	326983	11.460	ug/l	96
76) 1,3,5-Trimethylbenzene	13.176	105	392338	11.788	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	65357	18.409	ug/l	91
78) 4-Chlorotoluene	13.229	91	313381	11.375	ug/l	99
79) tert-butylbenzene	13.441	119	333147	11.630	ug/l	97
80) 1,2,4-Trimethylbenzene	13.488	105	382867	12.045	ug/l	99
81) sec-Butylbenzene	13.623	105	405208	11.036	ug/l	98
82) p-Isopropyltoluene	13.735	119	332436	11.028	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	189595	11.702	ug/l	98
84) 1,4-Dichlorobenzene	13.817	146	182269	12.016	ug/l	99
85) n-Butylbenzene	14.059	91	225663	10.796	ug/l	99
86) Hexachloroethane	14.341	117	68389	12.452	ug/l	91
87) 1,2-Dichlorobenzene	14.112	146	192807	12.714	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.723	75	25949	12.618	ug/l	99
89) 1,2,4-Trichlorobenzene	15.400	180	47587	10.999	ug/l	99
90) Hexachlorobutadiene	15.506	225	41437	12.572	ug/l	99
91) Naphthalene	15.647	128	135381	10.329	ug/l	98
92) 1,2,3-Trichlorobenzene	15.841	180	55344	11.240	ug/l	98

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

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