

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053122\
 Data File : VN072650.D
 Acq On : 31 May 2022 13:29
 Operator : JC\MD
 Sample : VN0531WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD01

Manual Integrations
 APPROVED

Reviewed By :John

Carlone

06/01/2022

Supervised By :Mahesh

Dadoda

06/01/2022

Quant Time: Jun 01 02:39:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 27 05:07:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.651	128	23687	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	135513	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	120546	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.428	65	68827	30.366	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.233%			
60) 4-Bromofluorobenzene	12.727	95	62074	29.321	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.733%			
63) Toluene-d8	10.439	98	209910	30.625	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.067%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	34227	21.146	ug/l	98
3) Chloromethane	2.293	50	44028	20.285	ug/l	98
4) Vinyl Chloride	2.434	62	34805	19.180	ug/l	89
5) Bromomethane	2.840	94	15511	17.579	ug/l	99
6) Chloroethane	3.010	64	21611	19.036	ug/l	95
7) Trichlorofluoromethane	3.363	101	56249	21.631	ug/l	99
8) Diethyl Ether	3.816	74	24528	22.480	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.204	101	20279	13.960	ug/l #	15
10) 1,1-Dichloroethene	4.175	96	31205	21.876	ug/l	97
11) Methyl Iodide	4.416	142	27465	20.110	ug/l	96
12) Methyl Acetate	4.846	43	67874	24.246	ug/l	90
13) Acrolein	4.034	56	41110	128.230	ug/l	94
14) Acrylonitrile	5.551	53	142607	118.262	ug/l	98
15) Acetone	4.281	58	37358	120.347	ug/l	97
16) Carbon Disulfide	4.528	76	89325	22.831	ug/l	97
17) Allyl chloride	4.840	41	69544	23.466	ug/l	75
18) Methylene Chloride	5.093	84	41617	22.192	ug/l	95
19) trans-1,2-Dichloroethene	5.593	96	32373	20.749	ug/l	93
20) Diisopropyl ether	6.493	45	149195	21.957	ug/l #	87
21) 1,1-Dichloroethane	6.381	63	72388	20.929	ug/l	96
22) cis-1,2-Dichloroethene	7.322	96	42695	21.546	ug/l	96
23) tert-Butyl Alcohol	5.357	59	45186	111.639	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	121567	22.183	ug/l	95
25) Chloroform	7.816	83	71995	20.488	ug/l	98
26) Cyclohexane	8.092	56	65185	19.982	ug/l #	86
29) 1,1-Dichloropropene	8.222	75	51539	20.111	ug/l	98
30) 2-Butanone	7.328	43	208661	120.912	ug/l	93
31) 2,2-Dichloropropane	7.322	77	54972	21.179	ug/l	97
32) 1,1,1-Trichloroethane	8.010	97	59222	20.831	ug/l	98
33) Carbon Tetrachloride	8.204	117	52292	20.715	ug/l	93
34) Benzene	8.451	78	163120	20.248	ug/l #	95
35) Methacrylonitrile	7.634	41	38032	21.606	ug/l	88
36) 1,2-Dichloroethane	8.522	62	57312	21.893	ug/l #	88
37) Trichloroethene	9.216	130	37085	19.341	ug/l	92
38) Methylcyclohexane	9.457	83	61314	19.371	ug/l	92
39) 1,2-Dichloropropane	9.486	63	45644	21.246	ug/l	97
40) Dibromomethane	9.569	93	28266	20.749	ug/l	97
41) Bromodichloromethane	9.757	83	58232	21.325	ug/l	97
42) Vinyl Acetate	6.428	43	638870	113.429	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.410	43	74692	22.570	ug/l	#	83
44) Isopropyl Acetate	8.557	43	117002	22.691	ug/l		98
45) 1,4-Dioxane	9.563	88	20505	474.298	ug/l	#	86
46) Methyl methacrylate	9.557	41	55641	22.903	ug/l		81
47) n-amyl Acetate	12.386	43	84096	22.385	ug/l		98
48) t-1,3-Dichloropropene	10.716	75	64750	21.952	ug/l		100
49) cis-1,3-Dichloropropene	10.186	75	70333	21.641	ug/l		95
50) 1,1,2-Trichloroethane	10.898	97	44040	21.991	ug/l		98
51) Ethyl methacrylate	10.757	69	71000	21.026	ug/l		89
52) 1,3-Dichloropropane	11.039	76	74791	21.179	ug/l		99
53) Dibromochloromethane	11.233	129	42708	20.743	ug/l		100
54) 1,2-Dibromoethane	11.345	107	45330	22.044	ug/l		96
55) 2-Chloroethyl vinyl ether	10.039	63	168959	114.390	ug/l		96
56) Bromoform	12.451	173	31820	21.408	ug/l	#	100
58) 4-Methyl-2-Pentanone	10.328	43	415550	119.344	ug/l		97
59) 2-Hexanone	11.080	43	304860	122.767	ug/l		99
61) Tetrachloroethene	10.975	164	32077	20.106	ug/l		94
62) Toluene	10.504	91	175084	20.689	ug/l		98
64) Chlorobenzene	11.769	112	102577	20.860	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.839	131	38612	19.940	ug/l		97
66) Ethyl Benzene	11.839	91	184191	19.731	ug/l		96
67) m/p-Xylenes	11.951	106	138304	40.762	ug/l		98
68) o-Xylene	12.275	106	71865	21.289	ug/l		99
69) Styrene	12.292	104	115237	21.546	ug/l		98
70) Isopropylbenzene	12.575	105	174014	20.176	ug/l		100
71) 1,1,2,2-Tetrachloroethane	12.822	83	68017	22.971	ug/l		97
72) 1,2,3-Trichloropropane	12.874	75	50534m	20.225	ug/l		
73) Bromobenzene	12.857	156	37019	19.539	ug/l		83
74) n-propylbenzene	12.916	91	208530	21.383	ug/l		99
75) 2-Chlorotoluene	13.004	91	124156	20.990	ug/l		96
76) 1,3,5-Trimethylbenzene	13.057	105	140367	20.623	ug/l		98
77) t-1,4-Dichloro-2-butene	12.622	75	20597	21.095	ug/l		97
78) 4-Chlorotoluene	13.104	91	119385	22.169	ug/l		97
79) tert-butylbenzene	13.322	119	121332	20.371	ug/l		97
80) 1,2,4-Trimethylbenzene	13.363	105	133907m	20.385	ug/l		
81) sec-Butylbenzene	13.498	105	169462	19.666	ug/l		99
82) p-Isopropyltoluene	13.610	119	143765	21.522	ug/l		98
83) 1,3-Dichlorobenzene	13.610	146	70347	21.393	ug/l		98
84) 1,4-Dichlorobenzene	13.692	146	68478	21.436	ug/l		99
85) n-Butylbenzene	13.939	91	106311	19.367	ug/l		97
86) Hexachloroethane	14.204	117	29998	22.548	ug/l		98
87) 1,2-Dichlorobenzene	13.986	146	66973	20.621	ug/l		97
88) 1,2-Dibromo-3-Chloropr...	14.598	75	13206	22.957	ug/l		98
89) 1,2,4-Trichlorobenzene	15.257	180	33451	20.875	ug/l		95
90) Hexachlorobutadiene	15.368	225	16763	20.859	ug/l		97
91) Naphthalene	15.498	128	115688	20.573	ug/l		99
92) 1,2,3-Trichlorobenzene	15.698	180	32302	19.745	ug/l		98

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

