

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
 Data File : VN067738.D
 Acq On : 14 Jul 2021 12:42
 Operator : JC/MD
 Sample : VN0714WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0714WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/16/2021 10:43:14 AM

Quant Time: Jul 14 17:15:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:19:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	67614	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	401120	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	384931	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	178720	32.718	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 109.067%			
60) 4-Bromofluorobenzene	12.733	95	183028	29.278	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.600%			
63) Toluene-d8	10.443	98	535354	30.238	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.800%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	64658	18.712	ug/l	99
3) Chloromethane	2.301	50	84725	19.631	ug/l	99
4) Vinyl Chloride	2.443	62	136544	20.337	ug/l	100
5) Bromomethane	2.856	94	120046	21.473	ug/l	99
6) Chloroethane	3.019	64	107232	21.446	ug/l	99
7) Trichlorofluoromethane	3.371	101	265497	21.311	ug/l	97
8) Diethyl Ether	3.821	74	47670	20.570	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.202	101	72107	20.362	ug/l	73
10) 1,1-Dichloroethene	4.175	96	64319	19.610	ug/l	93
11) Methyl Iodide	4.414	142	77737	17.927	ug/l	97
12) Methyl Acetate	4.862	43	86573	19.338	ug/l	95
13) Acrolein	4.038	56	47372	101.024	ug/l #	44
14) Acrylonitrile	5.559	53	189407	96.219	ug/l	98
15) Acetone	4.293	58	48500	99.392	ug/l	96
16) Carbon Disulfide	4.521	76	161721	18.672	ug/l	99
17) Allyl chloride	4.835	41	111462	19.313	ug/l	98
18) Methylene Chloride	5.098	84	84355m	18.585	ug/l	
19) trans-1,2-Dichloroethene	5.594	96	72711	18.592	ug/l	95
20) Diisopropyl ether	6.500	45	244205	17.870	ug/l	97
21) 1,1-Dichloroethane	6.385	63	144522	19.224	ug/l	98
22) cis-1,2-Dichloroethene	7.327	96	92800	19.230	ug/l	96
23) tert-Butyl Alcohol	5.385	59	67729	93.342	ug/l #	100
24) Methyl tert-Butyl Ether	5.621	73	257968	19.050	ug/l	99
25) Chloroform	7.817	83	161006	19.247	ug/l	99
26) Cyclohexane	8.096	56	125603	19.175	ug/l #	99
29) 1,1-Dichloropropene	8.222	75	117288	18.636	ug/l	99
30) 2-Butanone	7.340	43	267392	91.747	ug/l	100
31) 2,2-Dichloropropane	7.327	77	126404	18.003	ug/l	100
32) 1,1,1-Trichloroethane	8.016	97	139725	18.079	ug/l	99
33) Carbon Tetrachloride	8.206	117	117789	17.850	ug/l	99
34) Benzene	8.461	78	352096	18.716	ug/l	99
35) Methacrylonitrile	7.643	41	52583	17.552	ug/l	96
36) 1,2-Dichloroethane	8.531	62	133813	19.108	ug/l	98
37) Trichloroethene	9.217	130	88656	18.140	ug/l	96
38) Methylcyclohexane	9.461	83	126845	18.197	ug/l	99
39) 1,2-Dichloropropane	9.494	63	88274	18.400	ug/l	100
40) Dibromomethane	9.579	93	63060	18.279	ug/l	98
41) Bromodichloromethane	9.764	83	123212	18.194	ug/l	99
42) Vinyl Acetate	6.436	43	1084388m	93.526	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	111728	18.962	ug/l	95
44) Isopropyl Acetate	8.566	43	194012	18.135	ug/l	98
45) 1,4-Dioxane	9.569	88	27653	341.333	ug/l	99
46) Methyl methacrylate	9.563	41	84335	18.261	ug/l	97
47) n-amyl Acetate	12.390	43	151139	17.210	ug/l	98
48) t-1,3-Dichloropropene	10.719	75	128437	17.599	ug/l	98
49) cis-1,3-Dichloropropene	10.194	75	138569	17.888	ug/l	98
50) 1,1,2-Trichloroethane	10.899	97	88684	18.014	ug/l	96
51) Ethyl methacrylate	10.762	69	133322	17.415	ug/l	98
52) 1,3-Dichloropropane	11.046	76	149409	18.354	ug/l	98
53) Dibromochloromethane	11.240	129	87742	17.026	ug/l	99
54) 1,2-Dibromoethane	11.349	107	92138	18.144	ug/l	98
55) 2-Chloroethyl vinyl ether	10.043	63	115675	78.122	ug/l	99
56) Bromoform	12.462	173	55044	15.245	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	610214	92.321	ug/l	100
59) 2-Hexanone	11.089	43	416663	89.908	ug/l	99
61) Tetrachloroethene	10.979	164	88530	18.723	ug/l	97
62) Toluene	10.507	91	406150	17.939	ug/l	97
64) Chlorobenzene	11.773	112	244849	18.057	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	89315	17.878	ug/l	98
66) Ethyl Benzene	11.848	91	453990	18.120	ug/l	99
67) m/p-Xylenes	11.956	106	346128	36.220	ug/l	99
68) o-Xylene	12.283	106	169786	17.999	ug/l	100
69) Styrene	12.299	104	278912	17.880	ug/l	99
70) Isopropylbenzene	12.580	105	441128	18.121	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	127683	18.474	ug/l	98
72) 1,2,3-Trichloropropane	12.884	75	114839m	19.986	ug/l	
73) Bromobenzene	12.865	156	95169	17.009	ug/l	98
74) n-propylbenzene	12.924	91	510643	18.306	ug/l	99
75) 2-Chlorotoluene	13.010	91	304231	18.171	ug/l	98
76) 1,3,5-Trimethylbenzene	13.061	105	370826	18.502	ug/l	100
77) t-1,4-Dichloro-2-butene	12.629	75	30825	15.896	ug/l	95
78) 4-Chlorotoluene	13.106	91	302630	18.130	ug/l	99
79) tert-butylbenzene	13.326	119	309086	17.961	ug/l	99
80) 1,2,4-Trimethylbenzene	13.372	105	364455m	18.312	ug/l	
81) sec-Butylbenzene	13.506	105	436979	18.305	ug/l	100
82) p-Isopropyltoluene	13.618	119	348698	17.550	ug/l	99
83) 1,3-Dichlorobenzene	13.618	146	182147	17.432	ug/l	100
84) 1,4-Dichlorobenzene	13.696	146	175575	17.250	ug/l	99
85) n-Butylbenzene	13.946	91	293337	17.796	ug/l	100
86) Hexachloroethane	14.211	117	56707	17.156	ug/l	100
87) 1,2-Dichlorobenzene	13.991	146	172921	17.334	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.605	75	21987	17.781	ug/l	98
89) 1,2,4-Trichlorobenzene	15.265	180	70339	15.464	ug/l	98
90) Hexachlorobutadiene	15.372	225	38450	17.587	ug/l	96
91) Naphthalene	15.509	128	179476	13.889	ug/l	100
92) 1,2,3-Trichlorobenzene	15.702	180	66586	15.280	ug/l	99

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

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