

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091321\
 Data File : VN068456.D
 Acq On : 13 Sep 2021 14:29
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Sep 14 04:10:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N091321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Sep 14 04:08:29 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/14/2021
 Supervised By : Mahesh Dadoda 09/14/2021

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

Internal Standards						
1) Bromochloromethane	7.662	128	101953	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	544840	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	518691	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	183705	30.511	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 101.700%	
60) 4-Bromofluorobenzene	12.733	95	227233	30.736	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 102.467%	
63) Toluene-d8	10.443	98	678948	30.089	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.300%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	240148	51.714	ug/l	98
3) Chloromethane	2.301	50	229837	51.165	ug/l	99
4) Vinyl Chloride	2.440	62	371584	52.192	ug/l	98
5) Bromomethane	2.842	94	352570	49.856	ug/l	98
6) Chloroethane	3.011	64	264800	52.110	ug/l	100
7) Trichlorofluoromethane	3.371	101	441285	50.283	ug/l	99
8) Diethyl Ether	3.827	74	139864	50.528	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.215	101	246076	49.227	ug/l	98
10) 1,1-Dichloroethene	4.183	96	230632	49.641	ug/l	98
11) Methyl Iodide	4.425	142	376908	52.248	ug/l	98
12) Methyl Acetate	4.854	43	249805	51.657	ug/l	95
13) Acrolein	4.044	56	91320	234.966	ug/l	100
14) Acrylonitrile	5.554	53	551453	263.328	ug/l	99
15) Acetone	4.282	58	148017	259.359	ug/l	97
16) Carbon Disulfide	4.535	76	611309	50.984	ug/l	98
17) Allyl chloride	4.843	41	307150	52.945	ug/l	100
18) Methylene Chloride	5.100	84	275372	49.513	ug/l	98
19) trans-1,2-Dichloroethene	5.599	96	267047	51.231	ug/l	97
20) Diisopropyl ether	6.498	45	690171	53.634	ug/l	95
21) 1,1-Dichloroethane	6.388	63	445320	52.070	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	324953	51.940	ug/l	97
23) tert-Butyl Alcohol	5.363	59	219742	259.657	ug/l #	100
24) Methyl tert-Butyl Ether	5.615	73	823640	52.063	ug/l	99
25) Chloroform	7.817	83	519553	50.761	ug/l	100
26) Cyclohexane	8.099	56	379403	52.473	ug/l #	99
29) 1,1-Dichloropropene	8.225	75	374171	51.257	ug/l	99
30) 2-Butanone	7.335	43	725608	260.431	ug/l #	97
31) 2,2-Dichloropropane	7.329	77	426906	50.818	ug/l	98
32) 1,1,1-Trichloroethane	8.016	97	501946	50.634	ug/l	99
33) Carbon Tetrachloride	8.209	117	472131	50.952	ug/l	99
34) Benzene	8.461	78	1143470	51.367	ug/l	96
35) Methacrylonitrile	7.640	41	141423	52.631	ug/l	96
36) 1,2-Dichloroethane	8.531	62	387776	51.738	ug/l	100
37) Trichloroethene	9.217	130	356437	49.817	ug/l	96
38) Methylcyclohexane	9.464	83	482818	51.455	ug/l	99
39) 1,2-Dichloropropane	9.491	63	269553	51.449	ug/l	97
40) Dibromomethane	9.579	93	218787	50.827	ug/l	98
41) Bromodichloromethane	9.764	83	424895	51.075	ug/l	96
42) Vinyl Acetate	6.433	43	2691121	268.839	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.412	43	301016	49.797	ug/l	#	81
44) Isopropyl Acetate	8.563	43	523305	52.122	ug/l		99
45) 1,4-Dioxane	9.569	88	111406	1095.255	ug/l		97
46) Methyl methacrylate	9.561	41	213354	52.436	ug/l		98
47) n-amyl Acetate	12.390	43	383528	54.297	ug/l		99
48) t-1,3-Dichloropropene	10.719	75	445168	52.851	ug/l		98
49) cis-1,3-Dichloropropene	10.191	75	466186	51.497	ug/l		97
50) 1,1,2-Trichloroethane	10.899	97	319923	51.428	ug/l		97
51) Ethyl methacrylate	10.762	69	430776	53.934	ug/l		98
52) 1,3-Dichloropropane	11.046	76	477661	51.634	ug/l		99
53) Dibromochloromethane	11.240	129	402824	52.661	ug/l		99
54) 1,2-Dibromoethane	11.347	107	347821	52.135	ug/l		99
55) 2-Chloroethyl vinyl ether	10.043	63	356520	263.664	ug/l		100
56) Bromoform	12.460	173	330969	53.867	ug/l	#	99
58) 4-Methyl-2-Pentanone	10.333	43	1591223	260.605	ug/l		98
59) 2-Hexanone	11.087	43	1117580	264.094	ug/l		98
61) Tetrachloroethene	10.979	164	375867	50.398	ug/l		99
62) Toluene	10.507	91	1405564	51.487	ug/l		99
64) Chlorobenzene	11.773	112	914303	50.780	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.843	131	382145	52.005	ug/l		99
66) Ethyl Benzene	11.846	91	1540319	51.917	ug/l		100
67) m/p-Xylenes	11.956	106	1294206	105.825	ug/l		97
68) o-Xylene	12.283	106	633181	52.439	ug/l		97
69) Styrene	12.296	104	1010491	52.776	ug/l		99
70) Isopropylbenzene	12.580	105	1621184	52.880	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.830	83	427648	51.245	ug/l		97
72) 1,2,3-Trichloropropane	12.881	75	363364m	54.159	ug/l		
73) Bromobenzene	12.865	156	457910	52.615	ug/l		93
74) n-propylbenzene	12.924	91	1741173	52.663	ug/l		99
75) 2-Chlorotoluene	13.010	91	1026202	51.573	ug/l		97
76) 1,3,5-Trimethylbenzene	13.061	105	1366392	53.382	ug/l		100
77) t-1,4-Dichloro-2-butene	12.629	75	123353	53.809	ug/l		99
78) 4-Chlorotoluene	13.109	91	990749	51.883	ug/l		98
79) tert-butylbenzene	13.326	119	1245494	52.964	ug/l		98
80) 1,2,4-Trimethylbenzene	13.372	105	1314507m	43.948	ug/l		
81) sec-Butylbenzene	13.503	105	1648827	53.045	ug/l		98
82) p-Isopropyltoluene	13.618	119	1425028	53.449	ug/l		99
83) 1,3-Dichlorobenzene	13.618	146	807306	53.366	ug/l		98
84) 1,4-Dichlorobenzene	13.696	146	783844	54.089	ug/l		97
85) n-Butylbenzene	13.946	91	997247	52.587	ug/l		98
86) Hexachloroethane	14.214	117	255331	52.137	ug/l		89
87) 1,2-Dichlorobenzene	13.991	146	788784	54.261	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.605	75	75686	53.635	ug/l		88
89) 1,2,4-Trichlorobenzene	15.265	180	384502	54.744	ug/l		98
90) Hexachlorobutadiene	15.372	225	243408	54.795	ug/l		99
91) Naphthalene	15.509	128	821227	54.201	ug/l		100
92) 1,2,3-Trichlorobenzene	15.702	180	358907	54.261	ug/l		99

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

