

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090821\
 Data File : VN068435.D
 Acq On : 8 Sep 2021 15:31
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 10:51:00 AM

Quant Time: Sep 09 03:32:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 03 13:24:01 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	97283	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	522688	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.746	117	475515	30.000	ug/l	# 0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	190615	33.050	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 110.167%#	
60) 4-Bromofluorobenzene	12.733	95	208317	30.935	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 103.133%	
63) Toluene-d8	10.443	98	653138	30.843	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.800%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.081	85	74925	15.211	ug/l	97
3) Chloromethane	2.309	50	72875	16.351	ug/l	100
4) Vinyl Chloride	2.451	62	119106	17.935	ug/l	91
5) Bromomethane	2.861	94	124151	20.388	ug/l	93
6) Chloroethane	3.027	64	92564	19.538	ug/l	91
7) Trichlorofluoromethane	3.381	101	155796	17.151	ug/l	95
8) Diethyl Ether	3.835	74	47205	16.360	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.223	101	85137	16.485	ug/l	84
10) 1,1-Dichloroethene	4.194	96	77637	15.999	ug/l	# 74
11) Methyl Iodide	4.430	142	113470	14.535	ug/l	89
12) Methyl Acetate	4.862	43	85123	17.429	ug/l	# 82
13) Acrolein	4.049	56	42866	97.923	ug/l	100
14) Acrylonitrile	5.559	53	161764	81.678	ug/l	100
15) Acetone	4.291	58	43272	74.337	ug/l	75
16) Carbon Disulfide	4.540	76	201842	15.918	ug/l	98
17) Allyl chloride	4.848	41	100718	16.945	ug/l	91
18) Methylene Chloride	5.103	84	89840	16.916	ug/l	# 81
19) trans-1,2-Dichloroethene	5.605	96	86648	16.019	ug/l	# 77
20) Diisopropyl ether	6.498	45	219842	16.924	ug/l	# 91
21) 1,1-Dichloroethane	6.391	63	142698	16.610	ug/l	94
22) cis-1,2-Dichloroethene	7.329	96	103343	16.443	ug/l	# 79
23) tert-Butyl Alcohol	5.374	59	67140m	92.362	ug/l	
24) Methyl tert-Butyl Ether	5.615	73	259844	16.482	ug/l	# 88
25) Chloroform	7.820	83	172548	17.100	ug/l	100
26) Cyclohexane	8.099	56	123722	16.441	ug/l	# 76
29) 1,1-Dichloropropene	8.225	75	122851	16.384	ug/l	91
30) 2-Butanone	7.335	43	211001	78.649	ug/l	# 87
31) 2,2-Dichloropropane	7.329	77	130099	15.235	ug/l	93
32) 1,1,1-Trichloroethane	8.016	97	161203	16.368	ug/l	93
33) Carbon Tetrachloride	8.212	117	147700	16.232	ug/l	96
34) Benzene	8.461	78	358914	16.193	ug/l	# 94
35) Methacrylonitrile	7.638	41	39061	14.903	ug/l	88
36) 1,2-Dichloroethane	8.531	62	126139	16.997	ug/l	# 95
37) Trichloroethene	9.217	130	113656	16.042	ug/l	# 76
38) Methylcyclohexane	9.464	83	153687	15.788	ug/l	85
39) 1,2-Dichloropropane	9.494	63	84178	16.020	ug/l	94
40) Dibromomethane	9.579	93	68969	16.587	ug/l	79
41) Bromodichloromethane	9.764	83	133534	16.622	ug/l	99
42) Vinyl Acetate	6.436	43	801615m	79.002	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	88073	16.509	ug/l #	88
44) Isopropyl Acetate	8.560	43	157849	16.287	ug/l #	90
45) 1,4-Dioxane	9.569	88	31212	360.273	ug/l #	85
46) Methyl methacrylate	9.561	41	63138	15.408	ug/l	82
47) n-amyl Acetate	12.390	43	97743	14.740	ug/l #	90
48) t-1,3-Dichloropropene	10.719	75	124366	15.730	ug/l	98
49) cis-1,3-Dichloropropene	10.191	75	139148	15.957	ug/l #	84
50) 1,1,2-Trichloroethane	10.899	97	97090	16.552	ug/l	96
51) Ethyl methacrylate	10.762	69	116108	15.395	ug/l	83
52) 1,3-Dichloropropane	11.046	76	144034	16.263	ug/l	99
53) Dibromochloromethane	11.240	129	112959	15.979	ug/l	100
54) 1,2-Dibromoethane	11.347	107	100137	16.332	ug/l	99
55) 2-Chloroethyl vinyl ether	10.043	63	38663	84.795	ug/l #	92
56) Bromoform	12.460	173	80698	14.917	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	462502	83.584	ug/l #	90
59) 2-Hexanone	11.087	43	301480	78.509	ug/l	90
61) Tetrachloroethene	10.979	164	116690	15.872	ug/l	90
62) Toluene	10.507	91	423315	16.224	ug/l	99
64) Chlorobenzene	11.773	112	269856	16.042	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	108024	16.039	ug/l	98
66) Ethyl Benzene	11.846	91	451502	16.076	ug/l	92
67) m/p-Xylenes	11.956	106	373757	32.456	ug/l	79
68) o-Xylene	12.283	106	178717	16.023	ug/l	79
69) Styrene	12.296	104	277323	15.748	ug/l #	91
70) Isopropylbenzene	12.580	105	467807	16.283	ug/l	95
71) 1,1,2,2-Tetrachloroethane	12.830	83	121578	16.548	ug/l	97
72) 1,2,3-Trichloropropane	12.881	75	89089m	14.791	ug/l	
73) Bromobenzene	12.862	156	121306	15.257	ug/l	55
74) n-propylbenzene	12.924	91	500881	16.141	ug/l	91
75) 2-Chlorotoluene	13.010	91	303577	16.484	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.061	105	391134	16.456	ug/l	91
77) t-1,4-Dichloro-2-butene	12.629	75	25651	14.047	ug/l	88
78) 4-Chlorotoluene	13.109	91	293737	16.267	ug/l	83
79) tert-butylbenzene	13.326	119	354325	16.306	ug/l	82
80) 1,2,4-Trimethylbenzene	13.372	105	373855m	16.193	ug/l	
81) sec-Butylbenzene	13.503	105	470696	16.135	ug/l	92
82) p-Isopropyltoluene	13.618	119	388927	15.492	ug/l	89
83) 1,3-Dichlorobenzene	13.618	146	220745	15.723	ug/l	89
84) 1,4-Dichlorobenzene	13.699	146	204581	15.114	ug/l	92
85) n-Butylbenzene	13.946	91	271192	14.488	ug/l	96
86) Hexachloroethane	14.211	117	67339	15.857	ug/l	79
87) 1,2-Dichlorobenzene	13.991	146	207530	15.550	ug/l	92
88) 1,2-Dibromo-3-Chloropr...	14.605	75	20160	15.854	ug/l #	34
89) 1,2,4-Trichlorobenzene	15.265	180	86143	12.017	ug/l	96
90) Hexachlorobutadiene	15.372	225	56703	13.459	ug/l	100
91) Naphthalene	15.509	128	157763	10.411	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	79426	11.649	ug/l	94

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

