

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070121\
 Data File : VN067589.D
 Acq On : 1 Jul 2021 10:59
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 7/5/2021 1:59:48 PM

Quant Time: Jul 01 11:35:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N070121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 01 11:33:18 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	76235	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	439982	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	435384	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	191405	25.953	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	86.500%	#	
60) 4-Bromofluorobenzene	12.734	95	224734m	28.480	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	94.933%		
63) Toluene-d8	10.443	98	594794	28.968	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	96.567%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.070	85	240486	50.985	ug/l	99
3) Chloromethane	2.301	50	295662	54.765	ug/l	100
4) Vinyl Chloride	2.443	62	463447	73.959	ug/l	95
5) Bromomethane	2.848	94	364159	94.787	ug/l	93
6) Chloroethane	3.014	64	337874	82.893	ug/l	93
7) Trichlorofluoromethane	3.371	101	861793	85.794	ug/l	96
8) Diethyl Ether	3.819	74	267414	85.350	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.199	101	187026	47.769	ug/l	96
10) 1,1-Dichloroethene	4.173	96	182545	47.979	ug/l	89
11) Methyl Iodide	4.417	142	258988	54.768	ug/l	92
12) Methyl Acetate	4.859	43	245533	44.634	ug/l	93
13) Acrolein	4.039	56	167472	243.249	ug/l	97
14) Acrylonitrile	5.559	53	558998	238.893	ug/l	99
15) Acetone	4.293	58	129588m	223.782	ug/l	
16) Carbon Disulfide	4.521	76	529847	44.815	ug/l	100
17) Allyl chloride	4.835	41	332868	41.946	ug/l	90
18) Methylene Chloride	5.093	84	234613	49.178	ug/l	95
19) trans-1,2-Dichloroethene	5.591	96	219368	51.562	ug/l	84
20) Diisopropyl ether	6.501	45	833712	52.159	ug/l #	95
21) 1,1-Dichloroethane	6.388	63	432508	48.457	ug/l	96
22) cis-1,2-Dichloroethene	7.327	96	278709	54.501	ug/l	90
23) tert-Butyl Alcohol	5.390	59	209131	207.872	ug/l	100
24) Methyl tert-Butyl Ether	5.621	73	775987	48.142	ug/l	96
25) Chloroform	7.820	83	496799	53.230	ug/l	97
26) Cyclohexane	8.096	56	399683	51.385	ug/l #	93
29) 1,1-Dichloropropene	8.222	75	365452	55.372	ug/l	96
30) 2-Butanone	7.340	43	821229	249.537	ug/l	95
31) 2,2-Dichloropropane	7.327	77	372644	53.146	ug/l	97
32) 1,1,1-Trichloroethane	8.016	97	449261	54.273	ug/l	97
33) Carbon Tetrachloride	8.206	117	378616	54.244	ug/l	96
34) Benzene	8.461	78	1090141	57.736	ug/l #	94
35) Methacrylonitrile	7.640	41	181520	51.637	ug/l	93
36) 1,2-Dichloroethane	8.531	62	407537	52.073	ug/l	98
37) Trichloroethene	9.217	130	276972	60.460	ug/l	89
38) Methylcyclohexane	9.462	83	395607	57.100	ug/l	91
39) 1,2-Dichloropropane	9.491	63	272721	53.929	ug/l	98
40) Dibromomethane	9.580	93	202830	57.739	ug/l	94
41) Bromodichloromethane	9.765	83	397975	54.422	ug/l	99
42) Vinyl Acetate	6.436	43	3564388m	257.461	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	349705	52.595	ug/l #	68
44) Isopropyl Acetate	8.566	43	637599	51.299	ug/l	97
45) 1,4-Dioxane	9.574	88	96531	1173.070	ug/l #	89
46) Methyl methacrylate	9.563	41	272687	49.554	ug/l	93
47) n-amyl Acetate	12.390	43	560128	53.517	ug/l	96
48) t-1,3-Dichloropropene	10.722	75	436732	54.778	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	448508	54.937	ug/l	93
50) 1,1,2-Trichloroethane	10.902	97	288934	62.432	ug/l	99
51) Ethyl methacrylate	10.765	69	458181	56.677	ug/l	95
52) 1,3-Dichloropropane	11.047	76	475552	57.599	ug/l	98
53) Dibromochloromethane	11.240	129	309860	61.359	ug/l	99
54) 1,2-Dibromoethane	11.350	107	304745	63.143	ug/l	100
55) 2-Chloroethyl vinyl ether	10.044	63	477584	245.436	ug/l	97
56) Bromoform	12.463	173	224596	66.092	ug/l #	100
58) 4-Methyl-2-Pentanone	10.333	43	1979534	252.675	ug/l	97
59) 2-Hexanone	11.089	43	1406016	250.276	ug/l	95
61) Tetrachloroethene	10.980	164	266981	59.574	ug/l	98
62) Toluene	10.507	91	1315834	58.417	ug/l	99
64) Chlorobenzene	11.773	112	775719	58.481	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.846	131	297364	59.993	ug/l	99
66) Ethyl Benzene	11.848	91	1476035	57.100	ug/l	97
67) m/p-Xylenes	11.956	106	1182536	126.553	ug/l	86
68) o-Xylene	12.283	106	584659	62.519	ug/l	85
69) Styrene	12.296	104	988627	63.988	ug/l	93
70) Isopropylbenzene	12.583	105	1538041	64.510	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.830	83	429609	59.439	ug/l	99
72) 1,2,3-Trichloropropane	12.884	75	412190m	59.424	ug/l	
73) Bromobenzene	12.865	156	341143	67.006	ug/l	75
74) n-propylbenzene	12.924	91	1750614	61.844	ug/l	95
75) 2-Chlorotoluene	13.010	91	1052046	59.076	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.063	105	1288552	63.686	ug/l	95
77) t-1,4-Dichloro-2-butene	12.629	75	128850	56.222	ug/l	92
78) 4-Chlorotoluene	13.109	91	1056668	60.063	ug/l	91
79) tert-butylbenzene	13.326	119	1077281	65.771	ug/l	88
80) 1,2,4-Trimethylbenzene	13.372	105	1273160m	64.054	ug/l	
81) sec-Butylbenzene	13.506	105	1477073	64.882	ug/l	95
82) p-Isopropyltoluene	13.619	119	1215735	66.195	ug/l	93
83) 1,3-Dichlorobenzene	13.619	146	652812	70.827	ug/l	94
84) 1,4-Dichlorobenzene	13.696	146	633865	68.934	ug/l	94
85) n-Butylbenzene	13.946	91	989869	59.872	ug/l	97
86) Hexachloroethane	14.214	117	204891	57.389	ug/l	98
87) 1,2-Dichlorobenzene	13.991	146	642812	72.093	ug/l	94
88) 1,2-Dibromo-3-Chloropr...	14.608	75	79015	47.477	ug/l #	67
89) 1,2,4-Trichlorobenzene	15.268	180	256648	59.494	ug/l	97
90) Hexachlorobutadiene	15.373	225	115433	51.577	ug/l	97
91) Naphthalene	15.507	128	817288	58.099	ug/l	98
92) 1,2,3-Trichlorobenzene	15.702	180	243284	57.996	ug/l	97

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

