

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092521\
 Data File : VN068686.D
 Acq On : 26 Sep 2021 00:18
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 11:01:25 AM

Quant Time: Sep 27 06:52:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092521W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 27 06:50:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	77429	30.000	ug/l	# 0.00
28) 1,4-Difluorobenzene	8.968	114	433249	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	567932	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	206008	42.323	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 141.067%#	
60) 4-Bromofluorobenzene	12.733	95	245922	29.986	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 99.967%	
63) Toluene-d8	10.443	98	587138	23.426	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 78.100%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	233478	62.504	ug/l	96
3) Chloromethane	2.301	50	289084	73.938	ug/l	99
4) Vinyl Chloride	2.443	62	347259	60.625	ug/l	97
5) Bromomethane	2.848	94	236550	45.614	ug/l	100
6) Chloroethane	3.014	64	249621	61.735	ug/l	98
7) Trichlorofluoromethane	3.373	101	407078	58.308	ug/l	99
8) Diethyl Ether	3.827	74	144486	64.056	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.213	101	218403	55.448	ug/l	99
10) 1,1-Dichloroethene	4.189	96	211537	57.617	ug/l	100
11) Methyl Iodide	4.427	142	275107	49.537	ug/l	97
12) Methyl Acetate	4.851	43	426418	90.397	ug/l	97
13) Acrolein	4.044	56	58907	204.416	ug/l	# 25
14) Acrylonitrile	5.554	53	641913	355.899	ug/l	99
15) Acetone	4.285	58	157676	330.904	ug/l	92
16) Carbon Disulfide	4.537	76	617450	63.112	ug/l	99
17) Allyl chloride	4.843	41	396354	77.625	ug/l	99
18) Methylene Chloride	5.101	84	249293	56.328	ug/l	97
19) trans-1,2-Dichloroethene	5.602	96	229723	55.758	ug/l	98
20) Diisopropyl ether	6.495	45	876027	77.856	ug/l	97
21) 1,1-Dichloroethane	6.391	63	463006	65.244	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	276396	56.120	ug/l	99
23) tert-Butyl Alcohol	5.361	59	208350	301.581	ug/l	# 100
24) Methyl tert-Butyl Ether	5.616	73	788794	61.716	ug/l	99
25) Chloroform	7.820	83	488934	60.171	ug/l	97
26) Cyclohexane	8.096	56	449298	74.213	ug/l	# 99
29) 1,1-Dichloropropene	8.222	75	374261	61.625	ug/l	100
30) 2-Butanone	7.332	43	935805	371.456	ug/l	99
31) 2,2-Dichloropropane	7.327	77	318988	48.320	ug/l	99
32) 1,1,1-Trichloroethane	8.016	97	439784	54.871	ug/l	99
33) Carbon Tetrachloride	8.212	117	406133	54.500	ug/l	99
34) Benzene	8.461	78	1217466	65.917	ug/l	99
35) Methacrylonitrile	7.635	41	198581	79.649	ug/l	98
36) 1,2-Dichloroethane	8.531	62	490839	77.807	ug/l	98
37) Trichloroethene	9.217	130	267785	47.274	ug/l	98
38) Methylcyclohexane	9.461	83	439737	57.272	ug/l	100
39) 1,2-Dichloropropane	9.491	63	301701	67.615	ug/l	98
40) Dibromomethane	9.577	93	203879	58.059	ug/l	97
41) Bromodichloromethane	9.762	83	406198	59.447	ug/l	98
42) Vinyl Acetate	6.434	43	3466046m	374.015	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.412	43	360178	67.963	ug/l	96
44) Isopropyl Acetate	8.560	43	802693	88.719	ug/l	99
45) 1,4-Dioxane	9.569	88	93107	1120.624	ug/l	95
46) Methyl methacrylate	9.561	41	333584	90.119	ug/l	96
47) n-amyl Acetate	12.388	43	719740	111.839	ug/l	98
48) t-1,3-Dichloropropene	10.727	75	503459	72.084	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	440921	59.020	ug/l	96
50) 1,1,2-Trichloroethane	10.899	97	380220	75.312	ug/l	99
51) Ethyl methacrylate	10.762	69	688261	101.967	ug/l	96
52) 1,3-Dichloropropane	11.047	76	674954	87.792	ug/l	100
53) Dibromochloromethane	11.240	129	422884	69.618	ug/l	100
54) 1,2-Dibromoethane	11.347	107	397987	74.210	ug/l	98
55) 2-Chloroethyl vinyl ether	10.043	63	591499	475.177	ug/l	100
56) Bromoform	12.460	173	257387	53.381	ug/l #	99
58) 4-Methyl-2-Pentanone	10.330	43	2100051	274.103	ug/l	100
59) 2-Hexanone	11.087	43	2273754	425.394	ug/l	100
61) Tetrachloroethene	10.979	164	342502	42.957	ug/l	97
62) Toluene	10.507	91	1227011	39.894	ug/l	100
64) Chlorobenzene	11.773	112	1015404	50.916	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	384444	47.891	ug/l	98
66) Ethyl Benzene	11.846	91	1885824	56.429	ug/l	98
67) m/p-Xylenes	11.956	106	1388470	102.765	ug/l	96
68) o-Xylene	12.283	106	615509	45.992	ug/l	94
69) Styrene	12.296	104	1022926	48.362	ug/l	98
70) Isopropylbenzene	12.581	105	1607396	47.397	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.830	83	464399	49.225	ug/l	100
72) 1,2,3-Trichloropropane	12.881	75	424065m	53.419	ug/l	
73) Bromobenzene	12.862	156	346279	36.968	ug/l	94
74) n-propylbenzene	12.921	91	1808855	48.949	ug/l	99
75) 2-Chlorotoluene	13.010	91	1059628	47.677	ug/l	97
76) 1,3,5-Trimethylbenzene	13.061	105	1256633	44.444	ug/l	98
77) t-1,4-Dichloro-2-butene	12.626	75	146183	55.573	ug/l	96
78) 4-Chlorotoluene	13.106	91	989436	46.482	ug/l	98
79) tert-butylbenzene	13.326	119	998694	38.824	ug/l	97
80) 1,2,4-Trimethylbenzene	13.369	105	1097028m	40.054	ug/l	
81) sec-Butylbenzene	13.503	105	1380205	40.280	ug/l	100
82) p-Isopropyltoluene	13.616	119	1118957	38.259	ug/l	98
83) 1,3-Dichlorobenzene	13.616	146	533467	32.830	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	528802	33.881	ug/l	99
85) n-Butylbenzene	13.943	91	938338	43.954	ug/l	100
86) Hexachloroethane	14.211	117	213610	39.351	ug/l	100
87) 1,2-Dichlorobenzene	13.989	146	550495	35.244	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.603	75	75580	45.990	ug/l	97
89) 1,2,4-Trichlorobenzene	15.265	180	256213	33.132	ug/l	99
90) Hexachlorobutadiene	15.373	225	130604	27.570	ug/l	99
91) Naphthalene	15.507	128	708622	41.233	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	243873	33.446	ug/l	100

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

