

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011321\
 Data File : VN065497.D
 Acq On : 13 Jan 2021 19:33
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 1/15/2021 4:14:09 PM

Quant Time: Jan 14 04:00:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jan 14 03:54:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.155	128	45395	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.553	114	240475	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	228343	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.991	65	82604	25.77	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	85.90%#		
60) 4-Bromofluorobenzene	12.376	95	109249	30.45	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	101.50%		
63) Toluene-d8	10.061	98	294284	29.11	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.03%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.846	85	336400	139.28	ug/l	94
3) Chloromethane	2.052	50	417562	148.19	ug/l	100
4) Vinyl Chloride	2.177	62	473658	159.58	ug/l	99
5) Bromomethane	2.512	94	302951	139.66	ug/l	100
6) Chloroethane	2.669	64	305854	159.88	ug/l	100
7) Trichlorofluoromethane	2.991	101	622106	146.05	ug/l	98
8) Diethyl Ether	3.386	74	259834	163.19	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.721	101	362548	151.93	ug/l	99
10) 1,1-Dichloroethene	3.698	96	380739	156.87	ug/l	99
11) Methyl Iodide	3.910	142	620559	169.12	ug/l	99
12) Methyl Acetate	4.293	43	370339	147.06	ug/l	97
13) Acrolein	3.576	56	318174	881.08	ug/l	99
14) Acrylonitrile	4.946	53	871888	747.43	ug/l	99
15) Acetone	3.791	58	245667	687.49	ug/l	92
16) Carbon Disulfide	4.007	76	959001	141.18	ug/l	98
17) Allyl chloride	4.277	41	558329	135.61	ug/l	98
18) Methylene Chloride	4.505	84	402729	145.36	ug/l	98
19) trans-1,2-Dichloroethene	4.991	96	387473	147.37	ug/l	99
20) Diisopropyl ether	5.920	45	1147235	137.28	ug/l	93
21) 1,1-Dichloroethane	5.804	63	680140	143.40	ug/l	99
22) cis-1,2-Dichloroethene	6.785	96	454972	150.87	ug/l	97
23) tert-Butyl Alcohol	4.782	59	266914	562.47	ug/l #	100
24) Methyl tert-Butyl Ether	5.010	73	1158769	141.01	ug/l	96
25) Chloroform	7.335	83	695889	142.52	ug/l	100
26) Cyclohexane	7.614	56	588129	142.83	ug/l #	100
29) 1,1-Dichloropropene	7.756	75	541397	153.98	ug/l	99
30) 2-Butanone	6.801	43	1063670	676.89	ug/l	99
31) 2,2-Dichloropropane	6.782	77	550225	131.18	ug/l	99
32) 1,1,1-Trichloroethane	7.531	97	604358	143.60	ug/l	99
33) Carbon Tetrachloride	7.737	117	547089	148.15	ug/l	100
34) Benzene	8.007	78	1624607	154.87	ug/l #	88
35) Methacrylonitrile	7.132	41	233774	157.22	ug/l	99
36) 1,2-Dichloroethane	8.090	62	529364	138.27	ug/l	98
37) Trichloroethene	8.804	130	484011	160.40	ug/l	100
38) Methylcyclohexane	9.048	83	639291	150.32	ug/l	97
39) 1,2-Dichloropropane	9.087	63	423028	154.55	ug/l	99
40) Dibromomethane	9.177	93	284634	154.34	ug/l	99
41) Bromodichloromethane	9.373	83	568639	147.70	ug/l	99
42) Vinyl Acetate	5.856	43	4700844	688.21	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.897	43	461700	147.73	ug/l	96
44) Isopropyl Acetate	8.132	43	781182	134.25	ug/l	97
45) 1,4-Dioxane	9.174	88	110385	2522.27	ug/l	95
46) Methyl methacrylate	9.171	41	389336	140.51	ug/l	98
47) n-amyl Acetate	12.045	43	748109	153.20	ug/l	97
48) t-1,3-Dichloropropene	10.354	75	661659	154.07	ug/l	98
49) cis-1,3-Dichloropropene	9.811	75	711281	155.02	ug/l	98
50) 1,1,2-Trichloroethane	10.534	97	416454	159.46	ug/l	99
51) Ethyl methacrylate	10.402	69	626202	156.50	ug/l	96
52) 1,3-Dichloropropane	10.679	76	695922	159.82	ug/l	99
53) Dibromochloromethane	10.875	129	500306	163.43	ug/l	99
54) 1,2-Dibromoethane	10.978	107	456584	163.38	ug/l	99
55) 2-Chloroethyl vinyl ether	9.666	63	1357212	682.66	ug/l	99
56) Bromoform	12.100	173	405453	171.31	ug/l	99
58) 4-Methyl-2-Pentanone	9.955	43	2322602	677.49	ug/l	96
59) 2-Hexanone	10.724	43	1735092	692.26	ug/l	96
61) Tetrachloroethene	10.601	164	518480	149.94	ug/l	99
62) Toluene	10.126	91	1820030	150.39	ug/l	99
64) Chlorobenzene	11.405	112	1208876	160.41	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.482	131	463469	156.74	ug/l	99
66) Ethyl Benzene	11.482	91	2058290	153.22	ug/l	98
67) m/p-Xylenes	11.595	106	1643010	322.24	ug/l	95
68) o-Xylene	11.923	106	790270	160.28	ug/l	98
69) Styrene	11.936	104	1361421	164.30	ug/l	99
70) Isopropylbenzene	12.222	105	2066445	157.59	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.479	83	583325	162.02	ug/l	100
72) 1,2,3-Trichloropropane	12.527	75	548448m	153.68	ug/l	
73) Bromobenzene	12.502	156	593507	170.46	ug/l	99
74) n-propylbenzene	12.566	91	2333294	156.73	ug/l	99
75) 2-Chlorotoluene	12.650	91	1405127	158.68	ug/l	100
76) 1,3,5-Trimethylbenzene	12.708	105	1787266	159.52	ug/l	100
77) t-1,4-Dichloro-2-butene	12.273	75	220861	160.05	ug/l	94
78) 4-Chlorotoluene	12.746	91	1474696	164.13	ug/l	99
79) tert-butylbenzene	12.968	119	1542735	161.78	ug/l	99
80) 1,2,4-Trimethylbenzene	13.013	105	1813425	163.27	ug/l	99
81) sec-Butylbenzene	13.148	105	2005533	159.96	ug/l	99
82) p-Isopropyltoluene	13.264	119	1921120	166.14	ug/l	99
83) 1,3-Dichlorobenzene	13.257	146	1047167	181.48	ug/l	99
84) 1,4-Dichlorobenzene	13.338	146	1045946	183.63	ug/l	99
85) n-Butylbenzene	13.589	91	1583550	163.00	ug/l	99
86) Hexachloroethane	13.849	117	336439	163.23	ug/l	98
87) 1,2-Dichlorobenzene	13.627	146	1017354	181.52	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.244	75	119125	163.70	ug/l	97
89) 1,2,4-Trichlorobenzene	14.881	180	633143	216.24	ug/l	97
90) Hexachlorobutadiene	14.981	225	334943	169.41	ug/l	99
91) Naphthalene	15.103	128	1646252	214.03	ug/l	100
92) 1,2,3-Trichlorobenzene	15.283	180	621036	222.82	ug/l	100

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

