

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061121\
 Data File : VN067304.D
 Acq On : 11 Jun 2021 23:11
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 6/14/2021 4:11:37 PM

Quant Time: Jun 12 09:00:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N061121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 12 08:57:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.656	128	71902	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	432332	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	397167	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	223688	34.143	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 113.800%	#
60) 4-Bromofluorobenzene	12.733	95	235454	33.387	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 111.300%	
63) Toluene-d8	10.443	98	568488	31.471	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 104.900%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.067	85	554703	142.916	ug/l	100
3) Chloromethane	2.298	50	591743	120.415	ug/l	99
4) Vinyl Chloride	2.440	62	581045	114.095	ug/l	97
5) Bromomethane	2.821	94	279600	83.388	ug/l	92
6) Chloroethane	2.995	64	343309	114.857	ug/l	91
7) Trichlorofluoromethane	3.360	101	772161	102.291	ug/l	96
8) Diethyl Ether	3.818	74	311293	116.723	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.194	101	453106	133.232	ug/l	99
10) 1,1-Dichloroethene	4.167	96	445993	119.300	ug/l	95
11) Methyl Iodide	4.411	142	583588	106.792	ug/l	98
12) Methyl Acetate	4.854	43	662044	153.332	ug/l	99
13) Acrolein	4.036	56	368478	533.238	ug/l	98
14) Acrylonitrile	5.556	53	1403343	695.168	ug/l	99
15) Acetone	4.291	58	350658	621.728	ug/l	100
16) Carbon Disulfide	4.521	76	1433246	128.788	ug/l	98
17) Allyl chloride	4.832	41	971974	138.650	ug/l	97
18) Methylene Chloride	5.090	84	528765	115.198	ug/l	98
19) trans-1,2-Dichloroethene	5.591	96	489845	115.707	ug/l	97
20) Diisopropyl ether	6.500	45	1912844	140.408	ug/l	99
21) 1,1-Dichloroethane	6.385	63	1035436	124.091	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	565206	110.409	ug/l	98
23) tert-Butyl Alcohol	5.396	59	638359	720.691	ug/l	# 100
24) Methyl tert-Butyl Ether	5.618	73	1878841	123.139	ug/l	99
25) Chloroform	7.820	83	1052015	118.032	ug/l	99
26) Cyclohexane	8.094	56	897909	136.901	ug/l	# 100
29) 1,1-Dichloropropene	8.222	75	802286	122.247	ug/l	98
30) 2-Butanone	7.340	43	2060678	739.793	ug/l	98
31) 2,2-Dichloropropane	7.324	77	830243	100.184	ug/l	99
32) 1,1,1-Trichloroethane	8.016	97	999162	117.290	ug/l	99
33) Carbon Tetrachloride	8.206	117	852823	117.732	ug/l	95
34) Benzene	8.461	78	2229678	113.331	ug/l	95
35) Methacrylonitrile	7.640	41	446024	141.166	ug/l	98
36) 1,2-Dichloroethane	8.531	62	940911	116.983	ug/l	98
37) Trichloroethene	9.217	130	523878	100.486	ug/l	99
38) Methylcyclohexane	9.459	83	809175	115.751	ug/l	100
39) 1,2-Dichloropropane	9.491	63	604188	119.289	ug/l	100
40) Dibromomethane	9.579	93	409320	118.415	ug/l	99
41) Bromodichloromethane	9.764	83	894189	115.757	ug/l	98
42) Vinyl Acetate	6.433	43	8710410	704.986	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	837541	137.577	ug/l #	72
44) Isopropyl Acetate	8.566	43	1538589	144.396	ug/l	100
45) 1,4-Dioxane	9.574	88	212569	2449.217	ug/l #	89
46) Methyl methacrylate	9.563	41	693085	141.104	ug/l	99
47) n-amyl Acetate	12.390	43	1374703	170.544	ug/l	99
48) t-1,3-Dichloropropene	10.719	75	1003487	113.690	ug/l	100
49) cis-1,3-Dichloropropene	10.191	75	1006189	111.379	ug/l	99
50) 1,1,2-Trichloroethane	10.902	97	534259	111.695	ug/l	96
51) Ethyl methacrylate	10.765	69	997542	132.189	ug/l	98
52) 1,3-Dichloropropane	11.046	76	978101	116.127	ug/l	100
53) Dibromochloromethane	11.242	129	611856	106.519	ug/l	99
54) 1,2-Dibromoethane	11.349	107	569171	113.456	ug/l	99
55) 2-Chloroethyl vinyl ether	10.043	63	1356000	561.896	ug/l	100
56) Bromoform	12.460	173	430601	113.338	ug/l #	98
58) 4-Methyl-2-Pentanone	10.336	43	4512267	774.777	ug/l	99
59) 2-Hexanone	11.089	43	3315327	805.034	ug/l	99
61) Tetrachloroethene	10.979	164	453772	90.596	ug/l	98
62) Toluene	10.507	91	2430995	115.489	ug/l	100
64) Chlorobenzene	11.773	112	1440836	107.618	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	541544	105.195	ug/l	100
66) Ethyl Benzene	11.846	91	2835660	117.153	ug/l	100
67) m/p-Xylenes	11.956	106	2026968	220.199	ug/l	98
68) o-Xylene	12.283	106	1008486	111.336	ug/l	97
69) Styrene	12.296	104	1720693	114.817	ug/l	99
70) Isopropylbenzene	12.581	105	2596937	109.865	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.830	83	800324	122.668	ug/l	99
72) 1,2,3-Trichloropropane	12.881	75	749991m	114.358	ug/l	
73) Bromobenzene	12.862	156	547633	98.744	ug/l	99
74) n-propylbenzene	12.924	91	3182658	119.929	ug/l	100
75) 2-Chlorotoluene	13.010	91	1997817	117.877	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.061	105	2229748	106.233	ug/l	99
77) t-1,4-Dichloro-2-butene	12.629	75	289972	125.220	ug/l	97
78) 4-Chlorotoluene	13.106	91	2027890	118.200	ug/l	100
79) tert-butylbenzene	13.326	119	1795658	103.497	ug/l	98
80) 1,2,4-Trimethylbenzene	13.369	105	2207177m	106.676	ug/l	
81) sec-Butylbenzene	13.503	105	2482901	112.312	ug/l	98
82) p-Isopropyltoluene	13.618	119	2017677	98.933	ug/l	100
83) 1,3-Dichlorobenzene	13.618	146	1005963	104.108	ug/l	98
84) 1,4-Dichlorobenzene	13.696	146	1008658	107.023	ug/l	100
85) n-Butylbenzene	13.943	91	1894054	113.966	ug/l	99
86) Hexachloroethane	14.211	117	418753	124.801	ug/l	99
87) 1,2-Dichlorobenzene	13.991	146	979639	102.843	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.605	75	203593	127.399	ug/l	98
89) 1,2,4-Trichlorobenzene	15.265	180	517454	99.523	ug/l	99
90) Hexachlorobutadiene	15.372	225	261973	110.758	ug/l	97
91) Naphthalene	15.507	128	1739323	112.997	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	500844	96.171	ug/l	98

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

