

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011321\
 Data File : VN065493.D
 Acq On : 13 Jan 2021 17:30
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/15/2021 4:13:50 PM

Quant Time: Jan 14 03:54:41 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	42578	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.553	114	219207	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.379	117	198752	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.991	65	81088	26.97	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	89.90%#		
60) 4-Bromofluorobenzene	12.376	95	83428	26.71	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	89.03%		
63) Toluene-d8	10.058	98	266973	30.34	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.13%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.849	85	11445	5.05	ug/l	98
3) Chloromethane	2.055	50	13934	5.27	ug/l	99
4) Vinyl Chloride	2.180	62	15025	5.40	ug/l	100
5) Bromomethane	2.541	94	11422	5.61	ug/l	96
6) Chloroethane	2.685	64	9611	5.36	ug/l	98
7) Trichlorofluoromethane	3.000	101	20106	5.03	ug/l	99
8) Diethyl Ether	3.389	74	7670	5.14	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.724	101	12072	5.39	ug/l	99
10) 1,1-Dichloroethene	3.701	96	12121	5.32	ug/l	96
11) Methyl Iodide	3.914	142	17167	4.99	ug/l	96
12) Methyl Acetate	4.293	43	11521	4.88	ug/l	100
13) Acrolein	3.582	56	10220	30.17	ug/l	100
14) Acrylonitrile	4.949	53	23673	21.64	ug/l	96
15) Acetone	3.791	58	8768	26.16	ug/l	94
16) Carbon Disulfide	4.010	76	28425	4.46	ug/l	100
17) Allyl chloride	4.280	41	16432	4.26	ug/l	100
18) Methylene Chloride	4.508	84	13752	5.29	ug/l	95
19) trans-1,2-Dichloroethene	4.991	96	12036	4.88	ug/l	88
20) Diisopropyl ether	5.920	45	34054	4.34	ug/l	99
21) 1,1-Dichloroethane	5.804	63	20931	4.71	ug/l	98
22) cis-1,2-Dichloroethene	6.788	96	13487	4.77	ug/l	97
23) tert-Butyl Alcohol	4.775	59	7977	17.92	ug/l #	100
24) Methyl tert-Butyl Ether	5.010	73	32898	4.27	ug/l	99
25) Chloroform	7.331	83	21966	4.80	ug/l	96
26) Cyclohexane	7.614	56	16963	4.39	ug/l #	99
29) 1,1-Dichloropropene	7.756	75	15691	4.90	ug/l	98
30) 2-Butanone	6.804	43	31304	21.85	ug/l #	96
31) 2,2-Dichloropropane	6.782	77	16299	4.26	ug/l	100
32) 1,1,1-Trichloroethane	7.531	97	17723	4.62	ug/l	99
33) Carbon Tetrachloride	7.733	117	15011	4.46	ug/l	91
34) Benzene	8.007	78	48900	5.11	ug/l #	80
35) Methacrylonitrile	7.135	41	5587	4.12	ug/l	95
36) 1,2-Dichloroethane	8.087	62	16492	4.73	ug/l	99
37) Trichloroethene	8.804	130	14675	5.34	ug/l	98
38) Methylcyclohexane	9.045	83	17516	4.52	ug/l	98
39) 1,2-Dichloropropane	9.087	63	12531	5.02	ug/l	97
40) Dibromomethane	9.177	93	8280	4.93	ug/l	97
41) Bromodichloromethane	9.370	83	15515	4.42	ug/l	98
42) Vinyl Acetate	5.856	43	130819	21.01	ug/l	99

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43) Ethyl Acetate	6.897	43	13476	4.73	ug/l #	87
44) Isopropyl Acetate	8.132	43	21593	4.07	ug/l	95
45) 1,4-Dioxane	9.177	88	3239	81.19	ug/l	95
46) Methyl methacrylate	9.171	41	10504	4.16	ug/l	98
47) n-amyl Acetate	12.045	43	15750	3.54	ug/l	96
48) t-1,3-Dichloropropene	10.354	75	15994	4.09	ug/l	100
49) cis-1,3-Dichloropropene	9.807	75	18138	4.34	ug/l	99
50) 1,1,2-Trichloroethane	10.534	97	12096	5.08	ug/l	98
51) Ethyl methacrylate	10.402	69	14937	4.10	ug/l	98
52) 1,3-Dichloropropane	10.679	76	20151	5.08	ug/l	100
53) Dibromochloromethane	10.875	129	11799	4.23	ug/l	99
54) 1,2-Dibromoethane	10.978	107	12869	5.05	ug/l	96
55) 2-Chloroethyl vinyl ether	9.666	63	33759	18.63	ug/l	98
56) Bromoform	12.100	173	8736	4.05	ug/l #	94
58) 4-Methyl-2-Pentanone	9.955	43	64847	21.73	ug/l	99
59) 2-Hexanone	10.724	43	44892	20.58	ug/l	97
61) Tetrachloroethene	10.601	164	17823	5.92	ug/l	98
62) Toluene	10.126	91	53314	5.06	ug/l	99
64) Chlorobenzene	11.405	112	34078	5.20	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.482	131	12212	4.74	ug/l	98
66) Ethyl Benzene	11.482	91	54504	4.66	ug/l	99
67) m/p-Xylenes	11.592	106	41321	9.31	ug/l	99
68) o-Xylene	11.920	106	20039	4.67	ug/l	98
69) Styrene	11.939	104	31302	4.34	ug/l	99
70) Isopropylbenzene	12.222	105	52313	4.58	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.479	83	15381	4.91	ug/l	99
72) 1,2,3-Trichloropropane	12.531	75	14332m	4.61	ug/l	
73) Bromobenzene	12.502	156	15322	5.06	ug/l	98
74) n-propylbenzene	12.566	91	57043	4.40	ug/l	99
75) 2-Chlorotoluene	12.650	91	35211	4.57	ug/l	99
76) 1,3,5-Trimethylbenzene	12.707	105	44019	4.51	ug/l	99
77) t-1,4-Dichloro-2-butene	12.277	75	3918	3.26	ug/l	92
78) 4-Chlorotoluene	12.749	91	33009	4.22	ug/l	100
79) tert-butylbenzene	12.968	119	38029	4.58	ug/l	99
80) 1,2,4-Trimethylbenzene	13.013	105	41777	4.32	ug/l	100
81) sec-Butylbenzene	13.145	105	48191	4.42	ug/l	98
82) p-Isopropyltoluene	13.264	119	42923	4.26	ug/l	100
83) 1,3-Dichlorobenzene	13.257	146	21995	4.38	ug/l	99
84) 1,4-Dichlorobenzene	13.341	146	20872	4.21	ug/l	100
85) n-Butylbenzene	13.588	91	31864	3.77	ug/l	99
86) Hexachloroethane	13.849	117	6410	3.57	ug/l	97
87) 1,2-Dichlorobenzene	13.630	146	22210	4.55	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.244	75	2013	3.18	ug/l	94
89) 1,2,4-Trichlorobenzene	14.884	180	6979	2.74	ug/l	90
90) Hexachlorobutadiene	14.984	225	8709	5.06	ug/l	99
91) Naphthalene	15.106	128	15768	2.36	ug/l	99
92) 1,2,3-Trichlorobenzene	15.286	180	7426	3.06	ug/l	97

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

