

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011321\
 Data File : VN065499.D
 Acq On : 13 Jan 2021 20:23
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011321

Manual Integrations
 APPROVED

MMDadoda
 1/15/2021 4:14:07 PM

Quant Time: Jan 14 04:13:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jan 14 04:12:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.155	128	42689	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.553	114	228865	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	209449	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.991	65	81804	30.67	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.23%			
60) 4-Bromofluorobenzene	12.376	95	93804	29.57	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.57%			
63) Toluene-d8	10.061	98	276523	30.16	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.53%			
Target Compounds						Qvalue

2) Dichlorodifluoromethane	1.846	85	38307	18.04	ug/l	95
3) Chloromethane	2.052	50	47701	18.14	ug/l	99
4) Vinyl Chloride	2.181	62	51481	17.77	ug/l	98
5) Bromomethane	2.531	94	40429	19.56	ug/l	99
6) Chloroethane	2.682	64	34131	18.12	ug/l	96
7) Trichlorofluoromethane	2.997	101	70750	18.33	ug/l	99
8) Diethyl Ether	3.386	74	28946	18.44	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.721	101	42251	18.43	ug/l	98
10) 1,1-Dichloroethene	3.701	96	42636	18.16	ug/l	96
11) Methyl Iodide	3.914	142	61226	16.52	ug/l	97
12) Methyl Acetate	4.296	43	42605	18.53	ug/l	99
13) Acrolein	3.579	56	35403	91.08	ug/l	99
14) Acrylonitrile	4.949	53	95111	91.30	ug/l	99
15) Acetone	3.791	58	28847	90.31	ug/l	92
16) Carbon Disulfide	4.010	76	102286	17.92	ug/l	98
17) Allyl chloride	4.283	41	59383	17.84	ug/l	95
18) Methylene Chloride	4.512	84	46842	18.39	ug/l	98
19) trans-1,2-Dichloroethene	4.997	96	43225	18.30	ug/l	96
20) Diisopropyl ether	5.917	45	128686	18.46	ug/l	99
21) 1,1-Dichloroethane	5.807	63	77204	18.53	ug/l	99
22) cis-1,2-Dichloroethene	6.788	96	49856	18.22	ug/l	97
23) tert-Butyl Alcohol	4.775	59	30212	93.85	ug/l #	100
24) Methyl tert-Butyl Ether	5.010	73	126536	18.38	ug/l	100
25) Chloroform	7.335	83	77723	18.09	ug/l	98
26) Cyclohexane	7.614	56	62664	17.92	ug/l #	100
29) 1,1-Dichloropropene	7.753	75	58508	17.98	ug/l	100
30) 2-Butanone	6.804	43	115142	87.78	ug/l	99
31) 2,2-Dichloropropane	6.782	77	57308	17.06	ug/l	98
32) 1,1,1-Trichloroethane	7.531	97	65116	17.70	ug/l	100
33) Carbon Tetrachloride	7.737	117	56413	17.43	ug/l	98
34) Benzene	8.007	78	177744	17.76	ug/l	97
35) Methacrylonitrile	7.135	41	23875	17.53	ug/l	96
36) 1,2-Dichloroethane	8.090	62	59555	18.03	ug/l	98
37) Trichloroethene	8.804	130	53614	17.99	ug/l	99
38) Methylcyclohexane	9.048	83	65814	17.44	ug/l	99
39) 1,2-Dichloropropane	9.087	63	45977	17.70	ug/l	97
40) Dibromomethane	9.177	93	31467	18.08	ug/l	98
41) Bromodichloromethane	9.373	83	58942	17.48	ug/l	97
42) Vinyl Acetate	5.856	43	510425	89.75	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.894	43	52043	18.57	ug/l	96
44) Isopropyl Acetate	8.132	43	83194	17.77	ug/l	97
45) 1,4-Dioxane	9.174	88	11551	347.01	ug/l	97
46) Methyl methacrylate	9.171	41	41601	18.01	ug/l	98
47) n-amyl Acetate	12.045	43	66968	16.54	ug/l	100
48) t-1,3-Dichloropropene	10.354	75	64067	17.13	ug/l	97
49) cis-1,3-Dichloropropene	9.810	75	71939	17.50	ug/l	99
50) 1,1,2-Trichloroethane	10.534	97	45860	18.00	ug/l	99
51) Ethyl methacrylate	10.402	69	62123	17.41	ug/l	98
52) 1,3-Dichloropropane	10.679	76	75278	17.83	ug/l	99
53) Dibromochloromethane	10.875	129	48284	17.12	ug/l	100
54) 1,2-Dibromoethane	10.978	107	48267	17.71	ug/l	98
55) 2-Chloroethyl vinyl ether	9.666	63	141947	90.84	ug/l	99
56) Bromoform	12.100	173	36637	16.68	ug/l	99
58) 4-Methyl-2-Pentanone	9.955	43	252281	90.75	ug/l	99
59) 2-Hexanone	10.724	43	179529	89.26	ug/l	99
61) Tetrachloroethene	10.601	164	61224	18.30	ug/l	100
62) Toluene	10.126	91	199139	18.21	ug/l	99
64) Chlorobenzene	11.405	112	127378	17.92	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.479	131	47169	17.65	ug/l	99
66) Ethyl Benzene	11.482	91	212780	17.80	ug/l	99
67) m/p-Xylenes	11.595	106	167148	35.75	ug/l	98
68) o-Xylene	11.923	106	80815	17.88	ug/l	99
69) Styrene	11.936	104	131328	17.40	ug/l	99
70) Isopropylbenzene	12.222	105	209732	17.75	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.479	83	59360	17.67	ug/l	100
72) 1,2,3-Trichloropropane	12.527	75	56067m	17.59	ug/l	
73) Bromobenzene	12.502	156	59406	17.58	ug/l	99
74) n-propylbenzene	12.566	91	231924	17.52	ug/l	99
75) 2-Chlorotoluene	12.650	91	143163	17.92	ug/l	99
76) 1,3,5-Trimethylbenzene	12.707	105	179581	17.74	ug/l	100
77) t-1,4-Dichloro-2-butene	12.277	75	18140	16.18	ug/l	98
78) 4-Chlorotoluene	12.746	91	139794	17.30	ug/l	98
79) tert-butylbenzene	12.968	119	153030	17.59	ug/l	99
80) 1,2,4-Trimethylbenzene	13.013	105	177666	17.64	ug/l	99
81) sec-Butylbenzene	13.145	105	196763	17.50	ug/l	99
82) p-Isopropyltoluene	13.264	119	182966	17.42	ug/l	99
83) 1,3-Dichlorobenzene	13.257	146	94284	16.84	ug/l	99
84) 1,4-Dichlorobenzene	13.338	146	90667	16.59	ug/l	99
85) n-Butylbenzene	13.588	91	140718	16.94	ug/l	99
86) Hexachloroethane	13.849	117	28468	16.46	ug/l	97
87) 1,2-Dichlorobenzene	13.627	146	95600	17.33	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.244	75	9947	16.58	ug/l	95
89) 1,2,4-Trichlorobenzene	14.884	180	42013	18.16	ug/l	97
90) Hexachlorobutadiene	14.981	225	33699	17.47	ug/l	98
91) Naphthalene	15.106	128	97716	18.40	ug/l	100
92) 1,2,3-Trichlorobenzene	15.283	180	42259	15.10	ug/l	100

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

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