

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102521\
 Data File : VN069151.D
 Acq On : 25 Oct 2021 14:17
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 10/27/2021 2:20:50 PM

Quant Time: Oct 26 03:36:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102221W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 22 13:15:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	54205	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	320999	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	294473	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	131579	31.165	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 103.900%	
60) 4-Bromofluorobenzene	12.733	95	145870	28.889	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 96.300%	
63) Toluene-d8	10.443	98	406469	30.551	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.833%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	72551	20.243	ug/l	98
3) Chloromethane	2.303	50	76186	20.446	ug/l	96
4) Vinyl Chloride	2.445	62	86875	19.559	ug/l	99
5) Bromomethane	2.856	94	59107	20.290	ug/l	97
6) Chloroethane	3.019	64	56640	19.673	ug/l	96
7) Trichlorofluoromethane	3.376	101	116312	20.223	ug/l	98
8) Diethyl Ether	3.829	74	40470	19.873	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.218	101	63606	20.356	ug/l	71
10) 1,1-Dichloroethene	4.189	96	59005	19.355	ug/l	95
11) Methyl Iodide	4.425	142	78392	18.288	ug/l	96
12) Methyl Acetate	4.854	43	110810	19.085	ug/l	96
13) Acrolein	4.044	56	34103	97.494	ug/l	98
14) Acrylonitrile	5.554	53	158672	96.314	ug/l	98
15) Acetone	4.291	58	43964	85.368	ug/l	97
16) Carbon Disulfide	4.537	76	157062	19.173	ug/l	99
17) Allyl chloride	4.843	41	100426	19.129	ug/l	91
18) Methylene Chloride	5.101	84	78010	21.534	ug/l	96
19) trans-1,2-Dichloroethene	5.602	96	65044	19.648	ug/l	94
20) Diisopropyl ether	6.498	45	218606	19.493	ug/l	95
21) 1,1-Dichloroethane	6.391	63	123272	19.694	ug/l	99
22) cis-1,2-Dichloroethene	7.329	96	77635	19.566	ug/l	100
23) tert-Butyl Alcohol	5.366	59	64670	95.674	ug/l #	100
24) Methyl tert-Butyl Ether	5.616	73	224083	19.379	ug/l #	78
25) Chloroform	7.820	83	132936	19.875	ug/l	98
26) Cyclohexane	8.099	56	112697	19.547	ug/l #	96
29) 1,1-Dichloropropene	8.222	75	96352	19.073	ug/l	98
30) 2-Butanone	7.335	43	215431	88.814	ug/l	99
31) 2,2-Dichloropropane	7.329	77	112773	18.634	ug/l	99
32) 1,1,1-Trichloroethane	8.019	97	118680	18.881	ug/l	98
33) Carbon Tetrachloride	8.209	117	101082	18.933	ug/l	99
34) Benzene	8.464	78	288981	19.157	ug/l	100
35) Methacrylonitrile	7.638	41	46184	19.105	ug/l	99
36) 1,2-Dichloroethane	8.534	62	105029	19.292	ug/l	100
37) Trichloroethene	9.217	130	74009	19.295	ug/l	94
38) Methylcyclohexane	9.461	83	122835	19.100	ug/l	97
39) 1,2-Dichloropropane	9.491	63	74588	19.391	ug/l	98
40) Dibromomethane	9.579	93	51305	19.077	ug/l	97
41) Bromodichloromethane	9.765	83	102196	19.018	ug/l	96
42) Vinyl Acetate	6.436	43	804681	92.970	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.412	43	90600	19.147	ug/l	98
44) Isopropyl Acetate	8.560	43	159381	18.191	ug/l	98
45) 1,4-Dioxane	9.571	88	27503	392.231	ug/l	96
46) Methyl methacrylate	9.561	41	69074	17.441	ug/l	93
47) n-amyl Acetate	12.390	43	126416	16.995	ug/l	99
48) t-1,3-Dichloropropene	10.719	75	113782	18.306	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	120286	18.584	ug/l	95
50) 1,1,2-Trichloroethane	10.899	97	73602	19.070	ug/l	98
51) Ethyl methacrylate	10.762	69	117839	18.521	ug/l	92
52) 1,3-Dichloropropane	11.047	76	122783	18.908	ug/l	100
53) Dibromochloromethane	11.240	129	76311	18.521	ug/l	99
54) 1,2-Dibromoethane	11.347	107	75284	18.658	ug/l	98
55) 2-Chloroethyl vinyl ether	10.043	63	154292	76.382	ug/l	99
56) Bromoform	12.460	173	51767	17.429	ug/l #	98
58) 4-Methyl-2-Pentanone	10.330	43	465340	93.669	ug/l	98
59) 2-Hexanone	11.087	43	335372	89.394	ug/l	98
61) Tetrachloroethene	10.979	164	64548	20.169	ug/l	98
62) Toluene	10.507	91	331007	19.298	ug/l	97
64) Chlorobenzene	11.773	112	198613	19.093	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	74082	19.142	ug/l	99
66) Ethyl Benzene	11.846	91	374808	19.437	ug/l	98
67) m/p-Xylenes	11.956	106	280147	38.631	ug/l	97
68) o-Xylene	12.283	106	137997	19.004	ug/l	96
69) Styrene	12.296	104	222176	18.464	ug/l	98
70) Isopropylbenzene	12.581	105	366500	19.252	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.827	83	104503	18.729	ug/l	98
72) 1,2,3-Trichloropropane	12.881	75	87416m	18.233	ug/l	
73) Bromobenzene	12.862	156	79659	18.461	ug/l	94
74) n-propylbenzene	12.921	91	412986	18.891	ug/l	100
75) 2-Chlorotoluene	13.010	91	255637	19.097	ug/l	95
76) 1,3,5-Trimethylbenzene	13.061	105	301599	19.009	ug/l	98
77) t-1,4-Dichloro-2-butene	12.629	75	30628	16.335	ug/l	98
78) 4-Chlorotoluene	13.106	91	245746	18.732	ug/l	95
79) tert-butylbenzene	13.326	119	259861	18.653	ug/l	99
80) 1,2,4-Trimethylbenzene	13.369	105	294271m	18.893	ug/l	
81) sec-Butylbenzene	13.503	105	366999	18.818	ug/l	99
82) p-Isopropyltoluene	13.619	119	293039	18.422	ug/l	99
83) 1,3-Dichlorobenzene	13.619	146	141568	18.636	ug/l	98
84) 1,4-Dichlorobenzene	13.696	146	136853	18.501	ug/l	98
85) n-Butylbenzene	13.943	91	236296	17.761	ug/l	98
86) Hexachloroethane	14.211	117	55672	18.691	ug/l	94
87) 1,2-Dichlorobenzene	13.991	146	136866	18.856	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.606	75	18204	17.516	ug/l	97
89) 1,2,4-Trichlorobenzene	15.265	180	62825	17.167	ug/l	98
90) Hexachlorobutadiene	15.373	225	36016	18.823	ug/l	98
91) Naphthalene	15.507	128	170214	16.079	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	61500	17.584	ug/l	98

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

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