

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102522\
 Data File : VN075004.D
 Acq On : 25 Oct 2022 11:22
 Operator : JC\MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Oct 27 09:54:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102522W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 27 09:52:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	15650	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	88302	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	82266	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	44694	31.234	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	= 104.100%		
60) 4-Bromofluorobenzene	12.847	95	45740	28.298	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	= 94.333%		
63) Toluene-d8	10.571	98	138798	30.166	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	= 100.567%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	16195	21.257	ug/l	93
3) Chloromethane	2.377	50	23688	23.637	ug/l	91
4) Vinyl Chloride	2.524	62	32491	21.441	ug/l	100
5) Bromomethane	2.954	94	26465	22.090	ug/l	94
6) Chloroethane	3.124	64	25847	22.113	ug/l	96
7) Trichlorofluoromethane	3.512	101	34820	21.421	ug/l	93
8) Diethyl Ether	3.977	74	14116	21.052	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.383	101	20415m	21.356	ug/l	
10) 1,1-Dichloroethene	4.353	96	17862	19.922	ug/l	99
11) Methyl Iodide	4.600	142	29274	20.928	ug/l	93
12) Methyl Acetate	5.042	43	31393	20.669	ug/l	99
13) Acrolein	4.200	56	20528	110.346	ug/l	96
14) Acrylonitrile	5.730	53	65003	103.588	ug/l	99
15) Acetone	4.453	58	18212	103.474	ug/l	78
16) Carbon Disulfide	4.724	76	40229	20.381	ug/l	100
17) Allyl chloride	5.042	41	25704	21.395	ug/l	84
18) Methylene Chloride	5.295	84	23379	20.813	ug/l	89
19) trans-1,2-Dichloroethene	5.800	96	20079	20.143	ug/l	97
20) Diisopropyl ether	6.683	45	64216	20.594	ug/l #	94
21) 1,1-Dichloroethane	6.589	63	39656	20.476	ug/l	99
22) cis-1,2-Dichloroethene	7.494	96	25805	20.488	ug/l	97
23) tert-Butyl Alcohol	5.530	59	28680	98.731	ug/l #	100
24) Methyl tert-Butyl Ether	5.812	73	74031	20.188	ug/l	93
25) Chloroform	7.971	83	42781	19.995	ug/l	98
26) Cyclohexane	8.265	56	30991	19.920	ug/l #	89
29) 1,1-Dichloropropene	8.377	75	29972	19.788	ug/l	96
30) 2-Butanone	7.494	43	90189	103.294	ug/l	98
31) 2,2-Dichloropropane	7.500	77	36873	19.930	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	39670	20.223	ug/l	98
33) Carbon Tetrachloride	8.365	117	33711	19.517	ug/l	96
34) Benzene	8.612	78	93167	20.120	ug/l	96
35) Methacrylonitrile	7.783	41	16361	19.550	ug/l	89
36) 1,2-Dichloroethane	8.677	62	34823	20.296	ug/l	98
37) Trichloroethene	9.359	130	22456	19.516	ug/l	98
38) Methylcyclohexane	9.606	83	36558	19.466	ug/l	98
39) 1,2-Dichloropropane	9.624	63	23763	20.385	ug/l	99
40) Dibromomethane	9.718	93	16930	19.143	ug/l	97
41) Bromodichloromethane	9.894	83	33966	19.727	ug/l	91
42) Vinyl Acetate	6.612	43	248901	101.205	ug/l #	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	34172	19.803	ug/l	100
44) Isopropyl Acetate	8.694	43	55436	20.028	ug/l	96
45) 1,4-Dioxane	9.700	88	13075	383.788	ug/l #	95
46) Methyl methacrylate	9.682	41	26214	21.112	ug/l	91
47) n-amyl Acetate	12.494	43	46281	19.464	ug/l	97
48) t-1,3-Dichloropropene	10.841	75	35272	18.752	ug/l	100
49) cis-1,3-Dichloropropene	10.318	75	38615	19.531	ug/l #	88
50) 1,1,2-Trichloroethane	11.018	97	25099	19.372	ug/l	98
51) Ethyl methacrylate	10.877	69	38877	19.258	ug/l	86
52) 1,3-Dichloropropane	11.165	76	43532	20.089	ug/l	100
53) Dibromochloromethane	11.365	129	25717	18.351	ug/l	98
54) 1,2-Dibromoethane	11.471	107	25875	19.303	ug/l	97
55) 2-Chloroethyl vinyl ether	10.165	63	80378	97.457	ug/l	99
56) Bromoform	12.582	173	17615	17.121	ug/l #	95
58) 4-Methyl-2-Pentanone	10.447	43	184214	103.814	ug/l	93
59) 2-Hexanone	11.200	43	143222	105.215	ug/l	96
61) Tetrachloroethene	11.112	164	18253	19.951	ug/l #	84
62) Toluene	10.635	91	106006	19.902	ug/l	97
64) Chlorobenzene	11.894	112	63725	19.307	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.965	131	25420	20.160	ug/l	98
66) Ethyl Benzene	11.965	91	118697	19.774	ug/l	94
67) m/p-Xylenes	12.076	106	93602	38.880	ug/l	95
68) o-Xylene	12.400	106	47370	19.575	ug/l	95
69) Styrene	12.412	104	74448	18.812	ug/l	97
70) Isopropylbenzene	12.700	105	121380	19.251	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	41710	20.308	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	38166m	22.207	ug/l	
73) Bromobenzene	12.982	156	26513	18.892	ug/l	92
74) n-propylbenzene	13.041	91	134388	19.033	ug/l	99
75) 2-Chlorotoluene	13.129	91	83223	19.484	ug/l	97
76) 1,3,5-Trimethylbenzene	13.176	105	102270	19.134	ug/l	96
77) t-1,4-Dichloro-2-butene	12.741	75	12317	18.933	ug/l	90
78) 4-Chlorotoluene	13.223	91	77625	18.308	ug/l	98
79) tert-butylbenzene	13.441	119	90967	19.075	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	104005m	19.168	ug/l	
81) sec-Butylbenzene	13.618	105	125729	22.198	ug/l	99
82) p-Isopropyltoluene	13.729	119	104255	18.433	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	50033	18.028	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	47013	17.558	ug/l	97
85) n-Butylbenzene	14.059	91	80829	17.818	ug/l	97
86) Hexachloroethane	14.335	117	20151	19.226	ug/l	89
87) 1,2-Dichlorobenzene	14.106	146	50724	18.477	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	8998	20.843	ug/l	98
89) 1,2,4-Trichlorobenzene	15.394	180	20685	17.060	ug/l	95
90) Hexachlorobutadiene	15.500	225	10135	18.175	ug/l	97
91) Naphthalene	15.641	128	83902	17.459	ug/l	98
92) 1,2,3-Trichlorobenzene	15.847	180	21416	17.448	ug/l	99

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

