

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092822\
 Data File : VN074642.D
 Acq On : 28 Sep 2022 10:31
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Sep 28 18:17:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 28 07:48:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.492	128	91242	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.827	114	574442	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.616	117	508336	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.286	65	278813	32.408	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 108.033%	
60) 4-Bromofluorobenzene	12.604	95	256665	25.993	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 86.633%	
63) Toluene-d8	10.310	98	876894	30.583	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.933%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.004	85	124082	23.141	ug/l	97
3) Chloromethane	2.216	50	200588	25.473	ug/l	93
4) Vinyl Chloride	2.357	62	277792	27.556	ug/l	92
5) Bromomethane	2.734	94	200057	30.789	ug/l	91
6) Chloroethane	2.898	64	226241	31.750	ug/l	91
7) Trichlorofluoromethane	3.240	101	223191	23.837	ug/l	96
8) Diethyl Ether	3.681	74	110401	22.353	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.051	101	143764	23.950	ug/l	95
10) 1,1-Dichloroethene	4.022	96	135120	21.830	ug/l	87
11) Methyl Iodide	4.251	142	175833	22.180	ug/l	97
12) Methyl Acetate	4.663	43	296738	22.393	ug/l	99
13) Acrolein	3.893	56	106301	98.556	ug/l	96
14) Acrylonitrile	5.363	53	601820	112.042	ug/l	98
15) Acetone	4.122	58	161194	114.258	ug/l	96
16) Carbon Disulfide	4.357	76	384452	22.101	ug/l	98
17) Allyl chloride	4.651	41	295700	23.428	ug/l	99
18) Methylene Chloride	4.904	84	181916	23.055	ug/l	97
19) trans-1,2-Dichloroethene	5.398	96	154259	22.052	ug/l	96
20) Diisopropyl ether	6.304	45	643227	23.298	ug/l	98
21) 1,1-Dichloroethane	6.192	63	330586	23.710	ug/l	97
22) cis-1,2-Dichloroethene	7.145	96	190990	22.629	ug/l	98
23) tert-Butyl Alcohol	5.163	59	243787	110.224	ug/l #	100
24) Methyl tert-Butyl Ether	5.416	73	560435	21.852	ug/l	97
25) Chloroform	7.651	83	311232	22.517	ug/l	90
26) Cyclohexane	7.933	56	297355	23.717	ug/l #	98
29) 1,1-Dichloropropene	8.063	75	235067	21.908	ug/l	96
30) 2-Butanone	7.157	43	874668	106.851	ug/l	98
31) 2,2-Dichloropropane	7.145	77	279222	21.800	ug/l	96
32) 1,1,1-Trichloroethane	7.851	97	266397	21.018	ug/l	98
33) Carbon Tetrachloride	8.051	117	217423	20.510	ug/l	97
34) Benzene	8.304	78	754379	21.239	ug/l	99
35) Methacrylonitrile	7.469	41	150955	19.383	ug/l	94
36) 1,2-Dichloroethane	8.380	62	242817	20.935	ug/l	99
37) Trichloroethene	9.069	130	162298	21.519	ug/l	92
38) Methylcyclohexane	9.322	83	301784	21.732	ug/l	98
39) 1,2-Dichloropropane	9.351	63	204531	21.749	ug/l	97
40) Dibromomethane	9.439	93	126591	20.862	ug/l	98
41) Bromodichloromethane	9.627	83	250755	20.789	ug/l #	94
42) Vinyl Acetate	6.239	43	2870711	107.885	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.239	43	335608	21.168	ug/l	98
44) Isopropyl Acetate	8.416	43	562758	21.858	ug/l	98
45) 1,4-Dioxane	9.433	88	84314	383.762	ug/l	95
46) Methyl methacrylate	9.427	41	238394	22.232	ug/l	95
47) n-amyl Acetate	12.268	43	472169	20.038	ug/l	99
48) t-1,3-Dichloropropene	10.592	75	278558	19.023	ug/l	93
49) cis-1,3-Dichloropropene	10.057	75	311049	20.413	ug/l #	90
50) 1,1,2-Trichloroethane	10.774	97	184885	20.958	ug/l	95
51) Ethyl methacrylate	10.633	69	327606	19.805	ug/l	98
52) 1,3-Dichloropropane	10.921	76	323190	20.670	ug/l	100
53) Dibromochloromethane	11.110	129	185355	19.880	ug/l	91
54) 1,2-Dibromoethane	11.221	107	176928	19.386	ug/l	97
55) 2-Chloroethyl vinyl ether	9.910	63	637761	99.348	ug/l	97
56) Bromoform	12.327	173	126032	17.294	ug/l	99
58) 4-Methyl-2-Pentanone	10.204	43	1796533	113.882	ug/l	97
59) 2-Hexanone	10.963	43	1352119	110.662	ug/l	98
61) Tetrachloroethene	10.845	164	123418	21.765	ug/l	93
62) Toluene	10.374	91	787503	21.156	ug/l	100
64) Chlorobenzene	11.645	112	457283	21.439	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.716	131	164229	20.493	ug/l	98
66) Ethyl Benzene	11.716	91	865624	21.900	ug/l	100
67) m/p-Xylenes	11.827	106	639594	40.301	ug/l	99
68) o-Xylene	12.157	106	329991	20.422	ug/l	98
69) Styrene	12.168	104	517332	19.030	ug/l	99
70) Isopropylbenzene	12.457	105	816020	19.794	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.704	83	302452	20.668	ug/l	99
72) 1,2,3-Trichloropropane	12.757	75	221375m	19.984	ug/l	
73) Bromobenzene	12.733	156	164860	19.903	ug/l	95
74) n-propylbenzene	12.798	91	967784	20.834	ug/l	98
75) 2-Chlorotoluene	12.880	91	563732	20.006	ug/l	99
76) 1,3,5-Trimethylbenzene	12.933	105	679964	19.562	ug/l	100
77) t-1,4-Dichloro-2-butene	12.504	75	108582	18.923	ug/l	95
78) 4-Chlorotoluene	12.980	91	540369	19.136	ug/l	99
79) tert-butylbenzene	13.198	119	588180	19.341	ug/l	99
80) 1,2,4-Trimethylbenzene	13.245	105	666664	19.419	ug/l	98
81) sec-Butylbenzene	13.374	105	847376	19.683	ug/l	98
82) p-Isopropyltoluene	13.492	119	675657	19.078	ug/l	100
83) 1,3-Dichlorobenzene	13.492	146	307510	18.065	ug/l	96
84) 1,4-Dichlorobenzene	13.568	146	307597	18.168	ug/l	97
85) n-Butylbenzene	13.815	91	571681	18.920	ug/l	99
86) Hexachloroethane	14.086	117	142215	20.847	ug/l	100
87) 1,2-Dichlorobenzene	13.862	146	310803	17.850	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.480	75	62264	20.316	ug/l	88
89) 1,2,4-Trichlorobenzene	15.127	180	141288	19.454	ug/l	99
90) Hexachlorobutadiene	15.233	225	67381	21.057	ug/l	99
91) Naphthalene	15.362	128	566912	18.606	ug/l	99
92) 1,2,3-Trichlorobenzene	15.551	180	138483	19.018	ug/l	99

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

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