

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092822\
 Data File : VN074644.D
 Acq On : 28 Sep 2022 13:07
 Operator : JC\MD
 Sample : VN0928WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

Quant Time: Sep 28 18:18:01 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	7.486	128	101393	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.827	114	631899	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.616	117	570882	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.286	65	303717	31.768	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.900%
60) 4-Bromofluorobenzene	12.604	95	300407	27.090	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.300%
63) Toluene-d8	10.310	98	979842	30.429	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.433%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.998	85	129802	21.784	ug/l	100
3) Chloromethane	2.216	50	218294	24.947	ug/l	97
4) Vinyl Chloride	2.357	62	299625	26.746	ug/l	98
5) Bromomethane	2.734	94	221699	30.704	ug/l	84
6) Chloroethane	2.898	64	253818	32.054	ug/l	94
7) Trichlorofluoromethane	3.245	101	235288	22.613	ug/l	88
8) Diethyl Ether	3.675	74	115106	20.973	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.051	101	151797	22.757	ug/l	84
10) 1,1-Dichloroethene	4.022	96	151424	22.015	ug/l	96
11) Methyl Iodide	4.251	142	181303	20.580	ug/l	98
12) Methyl Acetate	4.663	43	338766	23.005	ug/l	99
13) Acrolein	3.887	56	110873m	92.504	ug/l	
14) Acrylonitrile	5.363	53	667003	111.746	ug/l	98
15) Acetone	4.128	58	173654	110.767	ug/l	97
16) Carbon Disulfide	4.357	76	408133	21.114	ug/l	96
17) Allyl chloride	4.657	41	318572	22.713	ug/l	85
18) Methylene Chloride	4.892	84	186635	21.285	ug/l #	88
19) trans-1,2-Dichloroethene	5.398	96	162069	20.849	ug/l	98
20) Diisopropyl ether	6.298	45	680105	22.168	ug/l	95
21) 1,1-Dichloroethane	6.192	63	344583	22.240	ug/l	95
22) cis-1,2-Dichloroethene	7.151	96	193751	20.658	ug/l #	81
23) tert-Butyl Alcohol	5.169	59	258357	105.117	ug/l #	100
24) Methyl tert-Butyl Ether	5.416	73	600840	21.082	ug/l	99
25) Chloroform	7.657	83	325240	21.175	ug/l	98
26) Cyclohexane	7.928	56	322346	23.136	ug/l #	99
29) 1,1-Dichloropropene	8.063	75	231524	19.616	ug/l	99
30) 2-Butanone	7.163	43	941853	104.596	ug/l	99
31) 2,2-Dichloropropane	7.145	77	299371	21.248	ug/l	99
32) 1,1,1-Trichloroethane	7.857	97	278307	19.961	ug/l	95
33) Carbon Tetrachloride	8.051	117	231073	19.815	ug/l	94
34) Benzene	8.304	78	798766	20.444	ug/l	97
35) Methacrylonitrile	7.475	41	180243	21.039	ug/l	89
36) 1,2-Dichloroethane	8.380	62	249164	19.529	ug/l	100
37) Trichloroethene	9.075	130	165527	19.951	ug/l	91
38) Methylcyclohexane	9.322	83	310209	20.307	ug/l	99
39) 1,2-Dichloropropane	9.351	63	215479	20.830	ug/l	99
40) Dibromomethane	9.439	93	129345	19.378	ug/l	98
41) Bromodichloromethane	9.627	83	261966	19.743	ug/l	95
42) Vinyl Acetate	6.239	43	3052224	104.277	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.239	43	384897	22.070	ug/l	94
44) Isopropyl Acetate	8.416	43	611210	21.582	ug/l	97
45) 1,4-Dioxane	9.433	88	97522	403.519	ug/l	95
46) Methyl methacrylate	9.422	41	244316	20.712	ug/l	95
47) n-amyl Acetate	12.268	43	509763	19.666	ug/l	98
48) t-1,3-Dichloropropene	10.592	75	305497	18.966	ug/l	96
49) cis-1,3-Dichloropropene	10.057	75	325691	19.431	ug/l #	88
50) 1,1,2-Trichloroethane	10.769	97	189440	19.521	ug/l	96
51) Ethyl methacrylate	10.639	69	340118	18.692	ug/l	99
52) 1,3-Dichloropropane	10.921	76	338593	19.686	ug/l	98
53) Dibromochloromethane	11.116	129	182232	17.768	ug/l	99
54) 1,2-Dibromoethane	11.216	107	185019	18.430	ug/l	98
55) 2-Chloroethyl vinyl ether	9.910	63	739701	104.750	ug/l	98
56) Bromoform	12.333	173	129434	16.146	ug/l	99
58) 4-Methyl-2-Pentanone	10.204	43	1938157	109.399	ug/l	98
59) 2-Hexanone	10.963	43	1486227	108.311	ug/l	98
61) Tetrachloroethene	10.845	164	127347	19.997	ug/l	95
62) Toluene	10.374	91	840767	20.113	ug/l	100
64) Chlorobenzene	11.645	112	472781	19.738	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.716	131	178757	19.862	ug/l	98
66) Ethyl Benzene	11.721	91	907450	20.442	ug/l	98
67) m/p-Xylenes	11.827	106	677793	38.029	ug/l	99
68) o-Xylene	12.157	106	353301	19.469	ug/l	95
69) Styrene	12.168	104	553368	18.126	ug/l	99
70) Isopropylbenzene	12.457	105	867672	18.741	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.704	83	328319	19.978	ug/l	98
72) 1,2,3-Trichloropropane	12.757	75	274649m	22.077	ug/l	
73) Bromobenzene	12.733	156	179697	19.317	ug/l	98
74) n-propylbenzene	12.798	91	1024820	19.645	ug/l	97
75) 2-Chlorotoluene	12.880	91	597244	18.873	ug/l	99
76) 1,3,5-Trimethylbenzene	12.939	105	716697	18.360	ug/l	98
77) t-1,4-Dichloro-2-butene	12.504	75	120210	18.655	ug/l	98
78) 4-Chlorotoluene	12.980	91	565092	17.819	ug/l	99
79) tert-butylbenzene	13.198	119	627315	18.368	ug/l	98
80) 1,2,4-Trimethylbenzene	13.245	105	708113	18.366	ug/l	98
81) sec-Butylbenzene	13.374	105	904552	18.709	ug/l	98
82) p-Isopropyltoluene	13.492	119	716842	18.023	ug/l	100
83) 1,3-Dichlorobenzene	13.486	146	333562	17.448	ug/l	99
84) 1,4-Dichlorobenzene	13.568	146	321175	16.892	ug/l	99
85) n-Butylbenzene	13.815	91	617940	18.210	ug/l	99
86) Hexachloroethane	14.086	117	150271	19.614	ug/l	97
87) 1,2-Dichlorobenzene	13.862	146	338180	17.294	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.480	75	65454	19.017	ug/l	92
89) 1,2,4-Trichlorobenzene	15.127	180	153229	18.787	ug/l	99
90) Hexachlorobutadiene	15.233	225	71004	19.759	ug/l	95
91) Naphthalene	15.362	128	625983	18.294	ug/l	99
92) 1,2,3-Trichlorobenzene	15.556	180	153544	18.776	ug/l	99

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

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