

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092822\
 Data File : VN074645.D
 Acq On : 28 Sep 2022 13:42
 Operator : JC\MD
 Sample : VN0928WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBSD01

Quant Time: Sep 28 18:18:19 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	100358	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.827	114	576575	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.616	117	521585	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.286	65	285264	30.146	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.500%
60) 4-Bromofluorobenzene	12.604	95	281864	27.820	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.733%
63) Toluene-d8	10.310	98	905102	30.765	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.533%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.998	85	118615	20.112	ug/l	98
3) Chloromethane	2.216	50	178371	20.594	ug/l	96
4) Vinyl Chloride	2.351	62	256438	23.127	ug/l	99
5) Bromomethane	2.716	94	182445	25.528	ug/l	87
6) Chloroethane	2.875	64	215925	27.550	ug/l	100
7) Trichlorofluoromethane	3.234	101	212301	20.614	ug/l	91
8) Diethyl Ether	3.675	74	103980	19.141	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.051	101	132320	20.041	ug/l	94
10) 1,1-Dichloroethene	4.016	96	129642	19.043	ug/l	96
11) Methyl Iodide	4.251	142	157181	18.026	ug/l	99
12) Methyl Acetate	4.657	43	302687	20.767	ug/l	100
13) Acrolein	3.887	56	98540	83.062	ug/l	96
14) Acrylonitrile	5.363	53	599596	101.489	ug/l	98
15) Acetone	4.122	58	149575	96.392	ug/l	91
16) Carbon Disulfide	4.351	76	350482	18.318	ug/l	97
17) Allyl chloride	4.645	41	284835m	20.517	ug/l	
18) Methylene Chloride	4.898	84	164125	18.911	ug/l	98
19) trans-1,2-Dichloroethene	5.398	96	140454	18.255	ug/l	97
20) Diisopropyl ether	6.298	45	617871	20.347	ug/l	95
21) 1,1-Dichloroethane	6.198	63	302241	19.708	ug/l	94
22) cis-1,2-Dichloroethene	7.145	96	176083	18.968	ug/l	98
23) tert-Butyl Alcohol	5.169	59	236130	97.064	ug/l #	100
24) Methyl tert-Butyl Ether	5.422	73	538691m	19.096	ug/l	
25) Chloroform	7.657	83	289038	19.012	ug/l	91
26) Cyclohexane	7.928	56	294538	21.358	ug/l #	95
29) 1,1-Dichloropropene	8.063	75	214311	19.900	ug/l	97
30) 2-Butanone	7.157	43	867885	105.630	ug/l	99
31) 2,2-Dichloropropane	7.151	77	250794	19.508	ug/l	100
32) 1,1,1-Trichloroethane	7.851	97	247968	19.491	ug/l	97
33) Carbon Tetrachloride	8.045	117	208646	19.609	ug/l #	91
34) Benzene	8.304	78	697721	19.571	ug/l	99
35) Methacrylonitrile	7.469	41	148316	18.973	ug/l	90
36) 1,2-Dichloroethane	8.380	62	235902	20.264	ug/l	97
37) Trichloroethene	9.074	130	147139	19.437	ug/l	90
38) Methylcyclohexane	9.316	83	275287	19.751	ug/l	98
39) 1,2-Dichloropropane	9.351	63	191469	20.285	ug/l	96
40) Dibromomethane	9.439	93	120003	19.703	ug/l	97
41) Bromodichloromethane	9.627	83	236402	19.526	ug/l #	98
42) Vinyl Acetate	6.239	43	2779822	104.083	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.239	43	319430	20.073	ug/l #	92
44) Isopropyl Acetate	8.416	43	539589	20.881	ug/l	97
45) 1,4-Dioxane	9.433	88	87320	395.974	ug/l	99
46) Methyl methacrylate	9.427	41	221590	20.588	ug/l	100
47) n-amyl Acetate	12.268	43	455496	19.259	ug/l	99
48) t-1,3-Dichloropropene	10.592	75	278478	18.947	ug/l	94
49) cis-1,3-Dichloropropene	10.057	75	289459	18.926	ug/l #	88
50) 1,1,2-Trichloroethane	10.769	97	171517	19.370	ug/l	96
51) Ethyl methacrylate	10.639	69	306378	18.453	ug/l	96
52) 1,3-Dichloropropane	10.921	76	316687	20.179	ug/l	100
53) Dibromochloromethane	11.110	129	165631	17.699	ug/l	99
54) 1,2-Dibromoethane	11.216	107	173338	18.923	ug/l	99
55) 2-Chloroethyl vinyl ether	9.910	63	697788	108.296	ug/l	98
56) Bromoform	12.333	173	114839	15.700	ug/l	99
58) 4-Methyl-2-Pentanone	10.204	43	1753004	108.300	ug/l	97
59) 2-Hexanone	10.963	43	1330995	106.166	ug/l	97
61) Tetrachloroethene	10.851	164	110956	19.070	ug/l	95
62) Toluene	10.374	91	738399	19.333	ug/l	98
64) Chlorobenzene	11.645	112	418748	19.134	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.715	131	157979	19.212	ug/l	99
66) Ethyl Benzene	11.721	91	797585	19.666	ug/l	98
67) m/p-Xylenes	11.827	106	597191	36.673	ug/l	99
68) o-Xylene	12.157	106	307763	18.563	ug/l	98
69) Styrene	12.168	104	483600	17.338	ug/l	98
70) Isopropylbenzene	12.457	105	758410	17.930	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.704	83	293823	19.568	ug/l	94
72) 1,2,3-Trichloropropane	12.757	75	216476m	19.045	ug/l	
73) Bromobenzene	12.733	156	155482	18.294	ug/l	95
74) n-propylbenzene	12.798	91	898994	18.862	ug/l	99
75) 2-Chlorotoluene	12.880	91	517289	17.892	ug/l	99
76) 1,3,5-Trimethylbenzene	12.933	105	641914	17.998	ug/l	97
77) t-1,4-Dichloro-2-butene	12.504	75	103978	17.661	ug/l	98
78) 4-Chlorotoluene	12.980	91	495881	17.114	ug/l	100
79) tert-butylbenzene	13.198	119	547078	17.532	ug/l	99
80) 1,2,4-Trimethylbenzene	13.245	105	620803	17.623	ug/l	99
81) sec-Butylbenzene	13.380	105	773245	17.505	ug/l	99
82) p-Isopropyltoluene	13.492	119	617808	17.001	ug/l	98
83) 1,3-Dichlorobenzene	13.492	146	297396	17.027	ug/l	99
84) 1,4-Dichlorobenzene	13.568	146	291452	16.777	ug/l	97
85) n-Butylbenzene	13.821	91	527190	17.004	ug/l	99
86) Hexachloroethane	14.086	117	133167	19.025	ug/l	98
87) 1,2-Dichlorobenzene	13.862	146	293940	16.452	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.474	75	56022	17.815	ug/l	99
89) 1,2,4-Trichlorobenzene	15.127	180	131377	17.630	ug/l	98
90) Hexachlorobutadiene	15.233	225	60882	18.543	ug/l	96
91) Naphthalene	15.362	128	559732	17.904	ug/l	99
92) 1,2,3-Trichlorobenzene	15.556	180	138357	18.518	ug/l	97

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

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