

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041023\
 Data File : VN077285.D
 Acq On : 10 Apr 2023 10:22
 Operator : JC\MD
 Sample : VN0410WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0410WBS01

Quant Time: Apr 11 01:20:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N040723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 07 13:04:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.819	128	58474	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.101	114	433414	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	483628	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	148818	30.008	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 100.033%	
60) 4-Bromofluorobenzene	12.848	95	255003	30.493	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 101.633%	
63) Toluene-d8	10.566	98	503345	29.605	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 98.700%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.137	85	108661	19.547	ug/l	99
3) Chloromethane	2.372	50	132384	17.925	ug/l	97
4) Vinyl Chloride	2.525	62	184528	17.444	ug/l	98
5) Bromomethane	2.954	94	135731	17.028	ug/l	94
6) Chloroethane	3.125	64	126282	17.810	ug/l	97
7) Trichlorofluoromethane	3.507	101	187295	19.015	ug/l	100
8) Diethyl Ether	3.972	74	84576	20.146	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.384	101	118529	19.244	ug/l	97
10) 1,1-Dichloroethene	4.348	96	117245	19.028	ug/l	95
11) Methyl Iodide	4.601	142	146248	21.009	ug/l	99
12) Methyl Acetate	5.031	43	172075	18.745	ug/l	91
13) Acrolein	4.184	56	114405	100.402	ug/l	99
14) Acrylonitrile	5.725	53	293649	93.582	ug/l	100
15) Acetone	4.431	58	98192	86.256	ug/l	98
16) Carbon Disulfide	4.725	76	302773	18.617	ug/l #	95
17) Allyl chloride	5.037	41	148313	18.699	ug/l	88
18) Methylene Chloride	5.284	84	140222	19.597	ug/l	97
19) trans-1,2-Dichloroethene	5.789	96	132988	19.850	ug/l	91
20) Diisopropyl ether	6.678	45	364527	19.283	ug/l	99
21) 1,1-Dichloroethane	6.578	63	243469	20.319	ug/l	99
22) cis-1,2-Dichloroethene	7.489	96	164588	20.152	ug/l	98
23) tert-Butyl Alcohol	5.531	59	126273	90.501	ug/l	100
24) Methyl tert-Butyl Ether	5.807	73	446519	20.129	ug/l	100
25) Chloroform	7.966	83	254606	19.607	ug/l	99
26) Cyclohexane	8.260	56	196296	18.853	ug/l #	100
29) 1,1-Dichloropropene	8.378	75	183929	19.590	ug/l	96
30) 2-Butanone	7.489	43	393811	88.698	ug/l	98
31) 2,2-Dichloropropane	7.495	77	229966	19.952	ug/l	100
32) 1,1,1-Trichloroethane	8.178	97	226756	19.625	ug/l	99
33) Carbon Tetrachloride	8.360	117	197552	20.032	ug/l	91
34) Benzene	8.607	78	584783	20.130	ug/l	99
35) Methacrylonitrile	7.783	41	80809	19.321	ug/l	96
36) 1,2-Dichloroethane	8.672	62	191261	20.999	ug/l	100
37) Trichloroethene	9.354	130	141799	19.955	ug/l	97
38) Methylcyclohexane	9.601	83	256181	20.118	ug/l	98
39) 1,2-Dichloropropane	9.619	63	149118	20.677	ug/l	97
40) Dibromomethane	9.707	93	104019	20.018	ug/l	98
41) Bromodichloromethane	9.889	83	217294	20.972	ug/l	98
42) Vinyl Acetate	6.607	43	1264759	98.425	ug/l #	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.566	43	145553	17.719	ug/l	99
44) Isopropyl Acetate	8.689	43	285763	19.430	ug/l #	100
45) 1,4-Dioxane	9.695	88	59167	381.446	ug/l #	94
46) Methyl methacrylate	9.683	41	121990	19.265	ug/l	97
47) n-amyl Acetate	12.495	43	245169	19.075	ug/l	98
48) t-1,3-Dichloropropene	10.836	75	239410	20.646	ug/l	100
49) cis-1,3-Dichloropropene	10.313	75	254411	20.623	ug/l	95
50) 1,1,2-Trichloroethane	11.019	97	153652	20.358	ug/l	99
51) Ethyl methacrylate	10.877	69	238612	20.587	ug/l	98
52) 1,3-Dichloropropane	11.166	76	259993	20.640	ug/l	100
53) Dibromochloromethane	11.360	129	160720	20.204	ug/l	94
54) 1,2-Dibromoethane	11.471	107	156849	20.701	ug/l	99
55) 2-Chloroethyl vinyl ether	10.160	63	295688	82.629	ug/l	99
56) Bromoform	12.583	173	108325	20.272	ug/l	100
58) 4-Methyl-2-Pentanone	10.448	43	846511	93.484	ug/l	100
59) 2-Hexanone	11.195	43	625638	89.385	ug/l	99
61) Tetrachloroethene	11.107	164	114299	19.870	ug/l	95
62) Toluene	10.630	91	660987	19.588	ug/l	99
64) Chlorobenzene	11.895	112	408306	19.917	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.960	131	155540	20.632	ug/l	99
66) Ethyl Benzene	11.966	91	744717	19.921	ug/l	99
67) m/p-Xylenes	12.071	106	581080	39.655	ug/l	99
68) o-Xylene	12.401	106	285679	19.488	ug/l	97
69) Styrene	12.413	104	473089	20.143	ug/l	99
70) Isopropylbenzene	12.695	105	741799	19.939	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.936	83	220338	19.340	ug/l	100
72) 1,2,3-Trichloropropane	12.995	75	190183m	24.557	ug/l	
73) Bromobenzene	12.983	156	153906	20.362	ug/l	97
74) n-propylbenzene	13.036	91	824673	20.034	ug/l	99
75) 2-Chlorotoluene	13.130	91	489120	19.835	ug/l	98
76) 1,3,5-Trimethylbenzene	13.177	105	603346	19.926	ug/l	97
77) t-1,4-Dichloro-2-butene	12.736	75	75220	19.069	ug/l	95
78) 4-Chlorotoluene	13.224	91	461187	19.793	ug/l	98
79) tert-butylbenzene	13.442	119	530334	20.124	ug/l	100
80) 1,2,4-Trimethylbenzene	13.483	105	581883	19.713	ug/l	100
81) sec-Butylbenzene	13.618	105	747020	19.848	ug/l	100
82) p-Isopropyltoluene	13.730	119	601526	19.949	ug/l	100
83) 1,3-Dichlorobenzene	13.736	146	283915	19.811	ug/l	99
84) 1,4-Dichlorobenzene	13.813	146	273510	19.671	ug/l	98
85) n-Butylbenzene	14.060	91	484832	19.458	ug/l	99
86) Hexachloroethane	14.336	117	126179	19.672	ug/l	100
87) 1,2-Dichlorobenzene	14.107	146	283877	20.216	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.724	75	38397	17.588	ug/l	98
89) 1,2,4-Trichlorobenzene	15.365	180	93292	16.890	ug/l	99
90) Hexachlorobutadiene	15.465	225	58155	20.529	ug/l	97
91) Naphthalene	15.589	128	347610	16.473	ug/l	99
92) 1,2,3-Trichlorobenzene	15.754	180	90799	16.847	ug/l	95

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

