

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041023\
 Data File : VN077289.D
 Acq On : 10 Apr 2023 16:31
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Quant Time: Apr 11 01:23:27 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	58567	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	445981	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	487594	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	146024	29.398	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.000%
60) 4-Bromofluorobenzene	12.854	95	242994	28.821	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.067%
63) Toluene-d8	10.566	98	511913	29.864	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.533%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	100927	18.127	ug/l	96
3) Chloromethane	2.372	50	128453	17.365	ug/l	99
4) Vinyl Chloride	2.525	62	190201	17.952	ug/l	97
5) Bromomethane	2.966	94	131008	16.409	ug/l	96
6) Chloroethane	3.131	64	119353	16.806	ug/l	97
7) Trichlorofluoromethane	3.501	101	186365	18.891	ug/l	97
8) Diethyl Ether	3.966	74	75767	18.019	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.384	101	114980	18.638	ug/l	75
10) 1,1-Dichloroethene	4.348	96	112530	18.234	ug/l	94
11) Methyl Iodide	4.601	142	136204	19.536	ug/l	98
12) Methyl Acetate	5.031	43	158090	17.194	ug/l	92
13) Acrolein	4.184	56	111351m	97.567	ug/l	
14) Acrylonitrile	5.731	53	257513	81.936	ug/l	99
15) Acetone	4.431	58	71912	63.071	ug/l	90
16) Carbon Disulfide	4.719	76	290814	17.853	ug/l	98
17) Allyl chloride	5.031	41	133016	16.744	ug/l	98
18) Methylene Chloride	5.290	84	135343	18.885	ug/l	96
19) trans-1,2-Dichloroethene	5.789	96	126483	18.849	ug/l	95
20) Diisopropyl ether	6.678	45	337412	17.820	ug/l	97
21) 1,1-Dichloroethane	6.578	63	227705	18.973	ug/l	99
22) cis-1,2-Dichloroethene	7.489	96	160184	19.582	ug/l	94
23) tert-Butyl Alcohol	5.525	59	115262	82.479	ug/l #	100
24) Methyl tert-Butyl Ether	5.801	73	413923	18.630	ug/l	100
25) Chloroform	7.972	83	246158	18.926	ug/l	95
26) Cyclohexane	8.260	56	188739	18.099	ug/l #	99
29) 1,1-Dichloropropene	8.378	75	182031	18.842	ug/l	98
30) 2-Butanone	7.489	43	342632	74.996	ug/l	99
31) 2,2-Dichloropropane	7.501	77	208352	17.568	ug/l	100
32) 1,1,1-Trichloroethane	8.172	97	223134	18.767	ug/l	98
33) Carbon Tetrachloride	8.366	117	190387	18.762	ug/l	98
34) Benzene	8.613	78	564037	18.868	ug/l	98
35) Methacrylonitrile	7.783	41	72869	16.931	ug/l	95
36) 1,2-Dichloroethane	8.678	62	173087	18.468	ug/l	97
37) Trichloroethene	9.354	130	135750	18.566	ug/l	99
38) Methylcyclohexane	9.601	83	245455	18.733	ug/l	97
39) 1,2-Dichloropropane	9.625	63	139609	18.813	ug/l	95
40) Dibromomethane	9.713	93	98238	18.373	ug/l	99
41) Bromodichloromethane	9.889	83	201385	18.889	ug/l	99
42) Vinyl Acetate	6.607	43	1117612	84.523	ug/l #	100

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.566	43	136990	16.207	ug/l	96
44) Isopropyl Acetate	8.689	43	269860	17.831	ug/l #	100
45) 1,4-Dioxane	9.701	88	54849	343.644	ug/l	97
46) Methyl methacrylate	9.683	41	110090	16.896	ug/l	93
47) n-amyl Acetate	12.495	43	228340	17.265	ug/l	98
48) t-1,3-Dichloropropene	10.836	75	219499	18.396	ug/l	99
49) cis-1,3-Dichloropropene	10.313	75	238902	18.820	ug/l	97
50) 1,1,2-Trichloroethane	11.019	97	145368	18.718	ug/l	95
51) Ethyl methacrylate	10.877	69	216316	18.137	ug/l	97
52) 1,3-Dichloropropane	11.166	76	237747	18.342	ug/l	100
53) Dibromochloromethane	11.360	129	157357	19.224	ug/l	99
54) 1,2-Dibromoethane	11.471	107	144377	18.518	ug/l	99
55) 2-Chloroethyl vinyl ether	10.160	63	330531	89.763	ug/l	98
56) Bromoform	12.583	173	95260	17.325	ug/l	98
58) 4-Methyl-2-Pentanone	10.448	43	773166	84.689	ug/l	99
59) 2-Hexanone	11.195	43	547226	77.547	ug/l	99
61) Tetrachloroethene	11.107	164	111551	19.235	ug/l	97
62) Toluene	10.630	91	640066	18.814	ug/l	99
64) Chlorobenzene	11.895	112	383738	18.566	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.966	131	146528	19.279	ug/l	99
66) Ethyl Benzene	11.966	91	706657	18.749	ug/l	99
67) m/p-Xylenes	12.077	106	559575	37.877	ug/l	99
68) o-Xylene	12.401	106	278905	18.871	ug/l	98
69) Styrene	12.413	104	439021	18.540	ug/l	99
70) Isopropylbenzene	12.701	105	702319	18.724	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.936	83	206441	17.973	ug/l	98
72) 1,2,3-Trichloropropane	12.995	75	147497m	18.891	ug/l	
73) Bromobenzene	12.983	156	141237	18.534	ug/l	96
74) n-propylbenzene	13.036	91	795846	19.177	ug/l	99
75) 2-Chlorotoluene	13.130	91	466917	18.781	ug/l	100
76) 1,3,5-Trimethylbenzene	13.177	105	589706	19.317	ug/l	99
77) t-1,4-Dichloro-2-butene	12.736	75	65941	16.581	ug/l	97
78) 4-Chlorotoluene	13.224	91	437427	18.621	ug/l	99
79) tert-butylbenzene	13.442	119	509740	19.186	ug/l	100
80) 1,2,4-Trimethylbenzene	13.483	105	561329	18.862	ug/l	98
81) sec-Butylbenzene	13.618	105	723842	19.076	ug/l	100
82) p-Isopropyltoluene	13.730	119	571926	18.813	ug/l	100
83) 1,3-Dichlorobenzene	13.736	146	264263	18.290	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	259119	18.484	ug/l	99
85) n-Butylbenzene	14.060	91	461539	18.373	ug/l	99
86) Hexachloroethane	14.336	117	123514	19.100	ug/l	98
87) 1,2-Dichlorobenzene	14.107	146	257164	18.164	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.718	75	36432	16.552	ug/l	95
89) 1,2,4-Trichlorobenzene	15.371	180	88563	15.903	ug/l	99
90) Hexachlorobutadiene	15.465	225	53207	18.629	ug/l	99
91) Naphthalene	15.589	128	315946	14.851	ug/l	99
92) 1,2,3-Trichlorobenzene	15.754	180	83273	15.325	ug/l	98

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

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