

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102522\
 Data File : VN075013.D
 Acq On : 25 Oct 2022 17:59
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Quant Time: Oct 27 10:28:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102522W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 27 10:19:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	16139	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	87765	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	81522	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	47594	32.253	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 107.500%	
60) 4-Bromofluorobenzene	12.853	95	47999	29.966	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 99.900%	
63) Toluene-d8	10.571	98	135674	29.756	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 99.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	16778	21.355	ug/l	94
3) Chloromethane	2.377	50	21854	21.146	ug/l	95
4) Vinyl Chloride	2.524	62	28050	17.949	ug/l	97
5) Bromomethane	2.953	94	24431	19.774	ug/l	93
6) Chloroethane	3.124	64	23728	19.685	ug/l	95
7) Trichlorofluoromethane	3.500	101	33653	20.012	ug/l	96
8) Diethyl Ether	3.971	74	14985	21.671	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.383	101	19499	19.780	ug/l	56
10) 1,1-Dichloroethene	4.353	96	17174	18.574	ug/l	94
11) Methyl Iodide	4.600	142	29329	20.332	ug/l	97
12) Methyl Acetate	5.042	43	36509	23.309	ug/l	99
13) Acrolein	4.195	56	18082	94.253	ug/l	98
14) Acrylonitrile	5.736	53	68831	106.365	ug/l	98
15) Acetone	4.447	58	20731	114.665	ug/l	80
16) Carbon Disulfide	4.730	76	36495	17.929	ug/l	98
17) Allyl chloride	5.042	41	23263	18.777	ug/l	90
18) Methylene Chloride	5.289	84	24665	21.292	ug/l	93
19) trans-1,2-Dichloroethene	5.800	96	19340	18.814	ug/l	98
20) Diisopropyl ether	6.688	45	68160	21.196	ug/l	91
21) 1,1-Dichloroethane	6.583	63	39450	19.753	ug/l	95
22) cis-1,2-Dichloroethene	7.500	96	26408	20.332	ug/l	89
23) tert-Butyl Alcohol	5.547	59	29062	97.015	ug/l #	100
24) Methyl tert-Butyl Ether	5.812	73	84636	22.380	ug/l	92
25) Chloroform	7.971	83	43979	19.932	ug/l	99
26) Cyclohexane	8.265	56	29648	18.479	ug/l #	92
29) 1,1-Dichloropropene	8.377	75	28076	18.650	ug/l	98
30) 2-Butanone	7.500	43	91985	105.996	ug/l	97
31) 2,2-Dichloropropane	7.500	77	33476	18.204	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	36734	18.841	ug/l	98
33) Carbon Tetrachloride	8.377	117	30960	18.034	ug/l	91
34) Benzene	8.612	78	90899	19.751	ug/l	96
35) Methacrylonitrile	7.788	41	18547	22.298	ug/l	91
36) 1,2-Dichloroethane	8.677	62	36777	21.566	ug/l	97
37) Trichloroethene	9.359	130	22327	19.522	ug/l	93
38) Methylcyclohexane	9.606	83	34968	18.734	ug/l	97
39) 1,2-Dichloropropane	9.629	63	23720	20.473	ug/l	100
40) Dibromomethane	9.712	93	18700	21.274	ug/l	98
41) Bromodichloromethane	9.894	83	35425	20.700	ug/l	100
42) Vinyl Acetate	6.618	43	269048	110.066	ug/l #	91

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	62385	36.375	ug/l	98
44) Isopropyl Acetate	8.694	43	62044	22.553	ug/l	95
45) 1,4-Dioxane	9.700	88	11706	345.707	ug/l	94
46) Methyl methacrylate	9.688	41	26263	21.281	ug/l	89
47) n-amyl Acetate	12.500	43	50444	21.344	ug/l	94
48) t-1,3-Dichloropropene	10.835	75	37754	20.194	ug/l	99
49) cis-1,3-Dichloropropene	10.318	75	39356	20.028	ug/l #	87
50) 1,1,2-Trichloroethane	11.018	97	26963	20.938	ug/l	97
51) Ethyl methacrylate	10.876	69	42549	21.206	ug/l	87
52) 1,3-Dichloropropane	11.165	76	46652	21.660	ug/l	100
53) Dibromochloromethane	11.359	129	27006	19.389	ug/l	100
54) 1,2-Dibromoethane	11.471	107	28149	21.128	ug/l	99
55) 2-Chloroethyl vinyl ether	10.165	63	88032	107.391	ug/l	99
56) Bromoform	12.582	173	18974	18.554	ug/l #	97
58) 4-Methyl-2-Pentanone	10.447	43	195667	111.275	ug/l	94
59) 2-Hexanone	11.200	43	145541	107.894	ug/l	93
61) Tetrachloroethene	11.106	164	17810	19.644	ug/l	86
62) Toluene	10.635	91	103750	19.657	ug/l	98
64) Chlorobenzene	11.894	112	64674	19.773	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.965	131	24761	19.817	ug/l	98
66) Ethyl Benzene	11.965	91	115409	19.401	ug/l	99
67) m/p-Xylenes	12.076	106	90866	38.088	ug/l	99
68) o-Xylene	12.400	106	46609	19.437	ug/l	98
69) Styrene	12.418	104	75024	19.131	ug/l	96
70) Isopropylbenzene	12.700	105	118169	18.913	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	44023	21.630	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	41122m	22.251	ug/l	
73) Bromobenzene	12.982	156	27047	19.448	ug/l	92
74) n-propylbenzene	13.041	91	138414	19.783	ug/l	99
75) 2-Chlorotoluene	13.129	91	83039	19.502	ug/l	98
76) 1,3,5-Trimethylbenzene	13.176	105	102450	19.356	ug/l	98
77) t-1,4-Dichloro-2-butene	12.741	75	12553	19.445	ug/l	95
78) 4-Chlorotoluene	13.223	91	80074	19.361	ug/l	99
79) tert-butylbenzene	13.441	119	89077	18.849	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	102168	18.976	ug/l #	81
81) sec-Butylbenzene	13.617	105	125570	18.900	ug/l	100
82) p-Isopropyltoluene	13.729	119	106217	18.951	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	52439	19.067	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	50689	19.104	ug/l	99
85) n-Butylbenzene	14.059	91	90011	20.023	ug/l	98
86) Hexachloroethane	14.341	117	18439	17.753	ug/l	90
87) 1,2-Dichlorobenzene	14.106	146	51529	18.942	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	9479	22.157	ug/l	96
89) 1,2,4-Trichlorobenzene	15.400	180	23779	19.790	ug/l	96
90) Hexachlorobutadiene	15.500	225	10694	19.352	ug/l	98
91) Naphthalene	15.647	128	95353	20.023	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	23869	19.624	ug/l	99

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

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