

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102522\
 Data File : VN075008.D
 Acq On : 25 Oct 2022 13:46
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN102522

Quant Time: Oct 27 10:25:01 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	7.824	128	16190	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	89461	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	82436	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	46043	31.103	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 103.667%	
60) 4-Bromofluorobenzene	12.853	95	48691	30.061	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 100.200%	
63) Toluene-d8	10.571	98	140380	30.447	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.500%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.136	85	16456	20.879	ug/l	97
3) Chloromethane	2.377	50	21439	20.680	ug/l	95
4) Vinyl Chloride	2.524	62	32588	20.788	ug/l	97
5) Bromomethane	2.930	94	27505	22.192	ug/l	93
6) Chloroethane	3.112	64	24025	19.868	ug/l	93
7) Trichlorofluoromethane	3.500	101	35985	21.331	ug/l	93
8) Diethyl Ether	3.977	74	14246	20.538	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.377	101	20415	20.644	ug/l	63
10) 1,1-Dichloroethene	4.353	96	19669	21.205	ug/l	90
11) Methyl Iodide	4.594	142	29236	20.204	ug/l	97
12) Methyl Acetate	5.042	43	32823	20.889	ug/l	93
13) Acrolein	4.189	56	19103	99.261	ug/l	98
14) Acrylonitrile	5.730	53	64552	99.438	ug/l	98
15) Acetone	4.453	58	20236	111.574	ug/l	77
16) Carbon Disulfide	4.724	76	40978	20.068	ug/l #	91
17) Allyl chloride	5.030	41	25543	20.552	ug/l	96
18) Methylene Chloride	5.283	84	23656	20.357	ug/l	90
19) trans-1,2-Dichloroethene	5.800	96	20387	19.770	ug/l	99
20) Diisopropyl ether	6.683	45	63827	19.786	ug/l	91
21) 1,1-Dichloroethane	6.583	63	41531	20.729	ug/l	99
22) cis-1,2-Dichloroethene	7.494	96	25317	19.430	ug/l	98
23) tert-Butyl Alcohol	5.541	59	30100	100.163	ug/l #	100
24) Methyl tert-Butyl Ether	5.812	73	75298	19.848	ug/l #	79
25) Chloroform	7.971	83	43194	19.515	ug/l	99
26) Cyclohexane	8.265	56	31969	19.863	ug/l #	93
29) 1,1-Dichloropropene	8.377	75	29984	19.540	ug/l	98
30) 2-Butanone	7.494	43	91680	103.642	ug/l	97
31) 2,2-Dichloropropane	7.506	77	38064	20.307	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	39321	19.785	ug/l	100
33) Carbon Tetrachloride	8.365	117	32875	18.787	ug/l	99
34) Benzene	8.612	78	94659	20.178	ug/l #	94
35) Methacrylonitrile	7.788	41	17339	20.451	ug/l	90
36) 1,2-Dichloroethane	8.677	62	35189	20.243	ug/l	98
37) Trichloroethene	9.353	130	23481	20.142	ug/l	96
38) Methylcyclohexane	9.606	83	36366	19.113	ug/l	96
39) 1,2-Dichloropropane	9.624	63	23536	19.929	ug/l	92
40) Dibromomethane	9.712	93	17830	19.900	ug/l	98
41) Bromodichloromethane	9.888	83	34586	19.827	ug/l	99
42) Vinyl Acetate	6.618	43	246683	99.004	ug/l #	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	32677	18.692	ug/l	94
44) Isopropyl Acetate	8.700	43	56160	20.027	ug/l	94
45) 1,4-Dioxane	9.700	88	14088	408.166	ug/l #	94
46) Methyl methacrylate	9.682	41	25208	20.039	ug/l	94
47) n-amyl Acetate	12.494	43	47858	19.866	ug/l	98
48) t-1,3-Dichloropropene	10.841	75	37621	19.741	ug/l	98
49) cis-1,3-Dichloropropene	10.318	75	38042	18.992	ug/l #	90
50) 1,1,2-Trichloroethane	11.018	97	26057	19.850	ug/l	95
51) Ethyl methacrylate	10.876	69	40394	19.751	ug/l	88
52) 1,3-Dichloropropane	11.165	76	42967	19.571	ug/l	99
53) Dibromochloromethane	11.359	129	26527	18.684	ug/l	99
54) 1,2-Dibromoethane	11.471	107	26393	19.434	ug/l	98
55) 2-Chloroethyl vinyl ether	10.165	63	77902	93.231	ug/l	98
56) Bromoform	12.576	173	18092	17.357	ug/l #	96
58) 4-Methyl-2-Pentanone	10.447	43	185579	104.368	ug/l	94
59) 2-Hexanone	11.200	43	143764	105.395	ug/l	95
61) Tetrachloroethene	11.106	164	18527	20.209	ug/l	94
62) Toluene	10.629	91	109218	20.463	ug/l	98
64) Chlorobenzene	11.894	112	64358	19.458	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.965	131	25689	20.332	ug/l	98
66) Ethyl Benzene	11.965	91	119552	19.875	ug/l	97
67) m/p-Xylenes	12.076	106	95125	39.432	ug/l	97
68) o-Xylene	12.400	106	48270	19.906	ug/l	95
69) Styrene	12.412	104	75228	18.970	ug/l	99
70) Isopropylbenzene	12.700	105	120962	19.145	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	42703	20.749	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	38278m	20.482	ug/l	
73) Bromobenzene	12.982	156	26764	19.031	ug/l	93
74) n-propylbenzene	13.035	91	137322	19.409	ug/l	100
75) 2-Chlorotoluene	13.129	91	86353	20.056	ug/l	97
76) 1,3,5-Trimethylbenzene	13.176	105	107280	20.044	ug/l	98
77) t-1,4-Dichloro-2-butene	12.741	75	12698	19.452	ug/l	91
78) 4-Chlorotoluene	13.223	91	81048	19.379	ug/l	100
79) tert-butylbenzene	13.441	119	91258	19.096	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	104634m	19.219	ug/l	
81) sec-Butylbenzene	13.617	105	129844	19.327	ug/l	99
82) p-Isopropyltoluene	13.729	119	105645	18.640	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	52045	18.714	ug/l	99
84) 1,4-Dichlorobenzene	13.817	146	52007	19.383	ug/l	99
85) n-Butylbenzene	14.059	91	82527	18.154	ug/l	97
86) Hexachloroethane	14.335	117	20159	19.194	ug/l	90
87) 1,2-Dichlorobenzene	14.106	146	52439	19.063	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	9072	20.971	ug/l	96
89) 1,2,4-Trichlorobenzene	15.394	180	21745	17.897	ug/l	98
90) Hexachlorobutadiene	15.500	225	10831	19.383	ug/l	97
91) Naphthalene	15.647	128	91959	19.097	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	22140	18.001	ug/l	99

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

