

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
 Data File : VN085278.D
 Acq On : 20 Dec 2024 12:32
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN122024

Quant Time: Dec 21 02:21:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Dec 21 02:03:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	30734	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	166208	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	149394	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	82112	30.371	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.233%
60) 4-Bromofluorobenzene	12.847	95	72466	29.945	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.833%
63) Toluene-d8	10.565	98	223219	30.599	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.000%
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	50158	19.518	ug/l	99
3) Chloromethane	2.359	50	49349	19.020	ug/l	99
4) Vinyl Chloride	2.512	62	48734	18.498	ug/l	97
5) Bromomethane	2.959	94	31015	20.138	ug/l	93
6) Chloroethane	3.118	64	32060	19.277	ug/l	96
7) Trichlorofluoromethane	3.495	101	70938	19.599	ug/l	93
8) Diethyl Ether	3.959	74	24315	19.506	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.365	101	39991	19.242	ug/l	98
10) 1,1-Dichloroethene	4.342	96	36767	19.365	ug/l	83
11) Methyl Iodide	4.589	142	41974	18.446	ug/l	99
12) Methyl Acetate	5.024	43	55895	19.713	ug/l	98
13) Acrolein	4.183	56	23101	91.263	ug/l	96
14) Acrylonitrile	5.718	53	105493	96.195	ug/l	99
15) Acetone	4.424	58	26887	97.191	ug/l	96
16) Carbon Disulfide	4.706	76	110681	19.177	ug/l	98
17) Allyl chloride	5.018	41	58719	19.118	ug/l	94
18) Methylene Chloride	5.271	84	42309	18.700	ug/l	96
19) trans-1,2-Dichloroethene	5.789	96	38628	19.561	ug/l	89
20) Diisopropyl ether	6.671	45	137464	19.529	ug/l	97
21) 1,1-Dichloroethane	6.565	63	78482	19.072	ug/l	97
22) cis-1,2-Dichloroethene	7.483	96	45475	19.338	ug/l	96
23) tert-Butyl Alcohol	5.518	59	38641	106.914	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	121633	19.518	ug/l	98
25) Chloroform	7.965	83	80282	19.246	ug/l	100
26) Cyclohexane	8.259	56	59091	18.834	ug/l #	98
29) 1,1-Dichloropropene	8.371	75	53477	18.531	ug/l	99
30) 2-Butanone	7.483	43	144903	95.128	ug/l	99
31) 2,2-Dichloropropane	7.488	77	70358	19.241	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	69300	18.473	ug/l	98
33) Carbon Tetrachloride	8.359	117	60749	18.499	ug/l	99
34) Benzene	8.600	78	168630	18.487	ug/l	96
35) Methacrylonitrile	7.777	41	32208	19.101	ug/l	96
36) 1,2-Dichloroethane	8.671	62	60133	18.230	ug/l	99
37) Trichloroethene	9.353	130	36391	18.132	ug/l	97
38) Methylcyclohexane	9.600	83	52332	17.524	ug/l	96
39) 1,2-Dichloropropane	9.618	63	42670	18.386	ug/l	99
40) Dibromomethane	9.712	93	29338	18.132	ug/l	99
41) Bromodichloromethane	9.882	83	63230	18.699	ug/l	99
42) Vinyl Acetate	6.600	43	501206	93.215	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	62834	19.947	ug/l	93
44) Isopropyl Acetate	8.688	43	96175	18.379	ug/l	99
45) 1,4-Dioxane	9.694	88	16365	402.068	ug/l	95
46) Methyl methacrylate	9.677	41	44473	18.309	ug/l	97
47) n-amyl Acetate	12.494	43	81622	18.310	ug/l	98
48) t-1,3-Dichloropropene	10.835	75	61560	18.431	ug/l	97
49) cis-1,3-Dichloropropene	10.312	75	66312	18.467	ug/l	97
50) 1,1,2-Trichloroethane	11.012	97	38883	18.375	ug/l	95
51) Ethyl methacrylate	10.871	69	58393	18.244	ug/l	94
52) 1,3-Dichloropropane	11.159	76	67544	18.285	ug/l	97
53) Dibromochloromethane	11.359	129	43527	17.554	ug/l	96
54) 1,2-Dibromoethane	11.465	107	38245	18.675	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	125619	76.195	ug/l	99
56) Bromoform	12.576	173	28323	17.510	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	301712	99.621	ug/l	99
59) 2-Hexanone	11.194	43	219768	99.888	ug/l	98
61) Tetrachloroethene	11.100	164	32545	19.514	ug/l	88
62) Toluene	10.629	91	174303	18.991	ug/l	100
64) Chlorobenzene	11.888	112	105816	19.116	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	38072	18.965	ug/l	98
66) Ethyl Benzene	11.965	91	182223	18.869	ug/l	98
67) m/p-Xylenes	12.070	106	140385	38.748	ug/l	99
68) o-Xylene	12.394	106	64760	18.765	ug/l	97
69) Styrene	12.412	104	110048	18.869	ug/l	99
70) Isopropylbenzene	12.694	105	165430	19.090	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	57570	18.731	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	47827m	18.284	ug/l	
73) Bromobenzene	12.982	156	40507	18.921	ug/l	98
74) n-propylbenzene	13.035	91	202117	18.722	ug/l	98
75) 2-Chlorotoluene	13.123	91	125070	19.231	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	139164	18.821	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	19274	18.029	ug/l	90
78) 4-Chlorotoluene	13.217	91	124745	18.865	ug/l	98
79) tert-butylbenzene	13.435	119	111942	18.512	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	141891	19.279	ug/l	99
81) sec-Butylbenzene	13.612	105	163364	18.712	ug/l	99
82) p-Isopropyltoluene	13.729	119	134436	18.698	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	76679	19.206	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	74097	19.183	ug/l	97
85) n-Butylbenzene	14.053	91	114050	18.373	ug/l	99
86) Hexachloroethane	14.335	117	28626	18.546	ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	72156	19.023	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11313	20.163	ug/l	97
89) 1,2,4-Trichlorobenzene	15.841	180	34849	19.393	ug/l	99
90) Hexachlorobutadiene	15.494	225	18190	20.307	ug/l	94
91) Naphthalene	15.641	128	103789	17.976	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	34849	19.393	ug/l	99

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

