

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011025\
 Data File : VN085420.D
 Acq On : 10 Jan 2025 11:57
 Operator : JC\MD
 Sample : VN0110WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBSD01

Quant Time: Jan 10 22:41:59 2025
 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	7.806	128	34644	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.095	114	184595	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.859	117	172668	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	89757	29.452	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.167%
60) 4-Bromofluorobenzene	12.847	95	80894	28.922	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.400%
63) Toluene-d8	10.565	98	248920	29.523	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	56448	19.487	ug/l	95
3) Chloromethane	2.360	50	53085	18.151	ug/l	99
4) Vinyl Chloride	2.513	62	55299	18.621	ug/l	100
5) Bromomethane	2.954	94	33383	19.229	ug/l	100
6) Chloroethane	3.118	64	35127	18.738	ug/l	94
7) Trichlorofluoromethane	3.501	101	81913	20.077	ug/l	93
8) Diethyl Ether	3.954	74	28758	20.467	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	48417	20.666	ug/l	97
10) 1,1-Dichloroethene	4.336	96	43297	20.230	ug/l	96
11) Methyl Iodide	4.583	142	55372	21.588	ug/l	98
12) Methyl Acetate	5.018	43	71510	22.374	ug/l	91
13) Acrolein	4.177	56	34166	119.743	ug/l	99
14) Acrylonitrile	5.712	53	120647	97.597	ug/l	99
15) Acetone	4.424	58	29675	95.163	ug/l	96
16) Carbon Disulfide	4.712	76	120570	18.533	ug/l	96
17) Allyl chloride	5.018	41	67828	19.591	ug/l	99
18) Methylene Chloride	5.277	84	51243	20.093	ug/l	92
19) trans-1,2-Dichloroethene	5.783	96	45558	20.466	ug/l	93
20) Diisopropyl ether	6.665	45	165139	20.813	ug/l	95
21) 1,1-Dichloroethane	6.559	63	96081	20.713	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	55536	20.951	ug/l	96
23) tert-Butyl Alcohol	5.512	59	35324	86.706	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	150734	21.458	ug/l	98
25) Chloroform	7.959	83	95016	20.207	ug/l	97
26) Cyclohexane	8.253	56	71531	20.226	ug/l #	96
29) 1,1-Dichloropropene	8.365	75	64363	20.082	ug/l	100
30) 2-Butanone	7.477	43	158880	93.914	ug/l #	96
31) 2,2-Dichloropropane	7.489	77	83721	20.615	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	82250	19.741	ug/l	99
33) Carbon Tetrachloride	8.353	117	71733	19.668	ug/l	94
34) Benzene	8.600	78	204167	20.153	ug/l	97
35) Methacrylonitrile	7.771	41	37860	20.216	ug/l	97
36) 1,2-Dichloroethane	8.665	62	73426	20.043	ug/l	100
37) Trichloroethene	9.347	130	44971	20.176	ug/l	95
38) Methylcyclohexane	9.594	83	65223	19.665	ug/l	95
39) 1,2-Dichloropropane	9.618	63	52453	20.350	ug/l	95
40) Dibromomethane	9.706	93	35948	20.004	ug/l	98
41) Bromodichloromethane	9.883	83	76799	20.449	ug/l #	99
42) Vinyl Acetate	6.595	43	578737	96.913	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011025\
 Data File : VN085420.D
 Acq On : 10 Jan 2025 11:57
 Operator : JC\MD
 Sample : VN0110WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBSD01

Quant Time: Jan 10 22:41:59 2025
 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)
43) Ethyl Acetate	7.553	43	63452	18.136	ug/l	99
44) Isopropyl Acetate	8.683	43	111030	19.104	ug/l	98
45) 1,4-Dioxane	9.689	88	15964	353.149	ug/l	95
46) Methyl methacrylate	9.677	41	50893	18.865	ug/l	94
47) n-amyl Acetate	12.488	43	90676	18.314	ug/l	99
48) t-1,3-Dichloropropene	10.830	75	73810	19.897	ug/l	95
49) cis-1,3-Dichloropropene	10.306	75	80876	20.279	ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	47178	20.074	ug/l	97
51) Ethyl methacrylate	10.871	69	69634	19.589	ug/l	90
52) 1,3-Dichloropropane	11.159	76	83604	20.379	ug/l	99
53) Dibromochloromethane	11.353	129	53558	19.448	ug/l	97
54) 1,2-Dibromoethane	11.465	107	45376	19.950	ug/l	100
55) 2-Chloroethyl vinyl ether	10.153	63	194587	106.272	ug/l	99
56) Bromoform	12.577	173	33804	18.816	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	337196	96.330	ug/l	98
59) 2-Hexanone	11.188	43	237851	93.535	ug/l	98
61) Tetrachloroethene	11.100	164	39555	20.520	ug/l	96
62) Toluene	10.624	91	210513	19.845	ug/l	99
64) Chlorobenzene	11.888	112	133055	20.797	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	47059	20.282	ug/l	99
66) Ethyl Benzene	11.959	91	223112	19.989	ug/l	97
67) m/p-Xylenes	12.065	106	171024	40.842	ug/l	98
68) o-Xylene	12.394	106	80580	20.202	ug/l	99
69) Styrene	12.406	104	133682	19.831	ug/l	99
70) Isopropylbenzene	12.694	105	205298	20.498	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	68922	19.402	ug/l	96
72) 1,2,3-Trichloropropane	12.988	75	59901m	19.813	ug/l	
73) Bromobenzene	12.977	156	49871	20.156	ug/l	98
74) n-propylbenzene	13.030	91	245878	19.705	ug/l	98
75) 2-Chlorotoluene	13.124	91	152717	20.317	ug/l	99
76) 1,3,5-Trimethylbenzene	13.171	105	172482	20.183	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	22424	18.148	ug/l	88
78) 4-Chlorotoluene	13.218	91	150801	19.732	ug/l	99
79) tert-butylbenzene	13.435	119	143661	20.555	ug/l	96
80) 1,2,4-Trimethylbenzene	13.477	105	173092	20.348	ug/l	100
81) sec-Butylbenzene	13.612	105	203844	20.202	ug/l	100
82) p-Isopropyltoluene	13.724	119	166671	20.057	ug/l	99
83) 1,3-Dichlorobenzene	13.730	146	92562	20.059	ug/l	99
84) 1,4-Dichlorobenzene	13.806	146	88025	19.717	ug/l	99
85) n-Butylbenzene	14.053	91	140172	19.538	ug/l	99
86) Hexachloroethane	14.329	117	34358	19.259	ug/l	99
87) 1,2-Dichlorobenzene	14.100	146	86114	19.643	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.718	75	12098	18.656	ug/l	95
89) 1,2,4-Trichlorobenzene	15.835	180	41132	19.804	ug/l	98
90) Hexachlorobutadiene	15.500	225	20796	20.087	ug/l	95
91) Naphthalene	15.635	128	123026	18.436	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	41132	19.804	ug/l	98

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

