

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010725\
 Data File : VN085392.D
 Acq On : 07 Jan 2025 11:42
 Operator : JC\MD
 Sample : VN0107WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0107WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/08/2025
 Supervised By : Mahesh Dadoda 01/08/2025

Quant Time: Jan 08 04:16:15 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	31547	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	161684	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.859	117	151196	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	80027	28.837	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	96.133%	
60) 4-Bromofluorobenzene	12.841	95	72943	29.783	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	99.267%	
63) Toluene-d8	10.559	98	219630	29.748	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	99.167%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	52446	19.883	ug/l	97
3) Chloromethane	2.359	50	49268	18.499	ug/l	98
4) Vinyl Chloride	2.518	62	50855	18.806	ug/l	99
5) Bromomethane	2.965	94	31236	19.759	ug/l	96
6) Chloroethane	3.130	64	33928	19.875	ug/l	99
7) Trichlorofluoromethane	3.506	101	75430	20.303	ug/l	91
8) Diethyl Ether	3.959	74	25273	19.752	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	43885	20.571	ug/l	96
10) 1,1-Dichloroethene	4.342	96	38811	19.915	ug/l	92
11) Methyl Iodide	4.583	142	47895	20.506	ug/l	94
12) Methyl Acetate	5.018	43	57864	19.882	ug/l	94
13) Acrolein	4.183	56	22758	87.591	ug/l	97
14) Acrylonitrile	5.712	53	96887	86.071	ug/l	99
15) Acetone	4.412	58	23920	84.238	ug/l	98
16) Carbon Disulfide	4.712	76	110824	18.707	ug/l	96
17) Allyl chloride	5.024	41	59127	18.755	ug/l	94
18) Methylene Chloride	5.271	84	46877	20.185	ug/l	99
19) trans-1,2-Dichloroethene	5.783	96	40915	20.185	ug/l	95
20) Diisopropyl ether	6.659	45	147579	20.425	ug/l	97
21) 1,1-Dichloroethane	6.565	63	86320	20.436	ug/l	97
22) cis-1,2-Dichloroethene	7.483	96	49518	20.515	ug/l	96
23) tert-Butyl Alcohol	5.500	59	25820	69.599	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	130316	20.372	ug/l	97
25) Chloroform	7.959	83	86727	20.255	ug/l	98
26) Cyclohexane	8.253	56	59746	18.552	ug/l #	97
29) 1,1-Dichloropropene	8.365	75	58002	20.662	ug/l	99
30) 2-Butanone	7.477	43	123398	83.277	ug/l #	83
31) 2,2-Dichloropropane	7.489	77	74616	20.977	ug/l	100
32) 1,1,1-Trichloroethane	8.159	97	74487	20.411	ug/l	99
33) Carbon Tetrachloride	8.353	117	66040	20.673	ug/l	98
34) Benzene	8.600	78	183931	20.728	ug/l	99
35) Methacrylonitrile	7.765	41	31538	19.227	ug/l	96
36) 1,2-Dichloroethane	8.665	62	66640	20.768	ug/l	99
37) Trichloroethene	9.347	130	40119	20.549	ug/l	96
38) Methylcyclohexane	9.594	83	57755	19.881	ug/l	95
39) 1,2-Dichloropropane	9.618	63	47206	20.910	ug/l	97
40) Dibromomethane	9.700	93	32214	20.466	ug/l	99
41) Bromodichloromethane	9.882	83	67806	20.613	ug/l	99
42) Vinyl Acetate	6.600	43	493489	94.348	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	54302	17.721	ug/l	99
44) Isopropyl Acetate	8.683	43	95265	18.714	ug/l	99
45) 1,4-Dioxane	9.688	88	11059	279.309	ug/l	94
46) Methyl methacrylate	9.677	41	42538	18.003	ug/l	98
47) n-amyl Acetate	12.488	43	75941	17.512	ug/l	99
48) t-1,3-Dichloropropene	10.829	75	65101	20.036	ug/l	98
49) cis-1,3-Dichloropropene	10.306	75	70549	20.196	ug/l	95
50) 1,1,2-Trichloroethane	11.012	97	42009	20.407	ug/l	98
51) Ethyl methacrylate	10.871	69	59699	19.174	ug/l	94
52) 1,3-Dichloropropane	11.159	76	74437	20.715	ug/l	98
53) Dibromochloromethane	11.353	129	49399	20.480	ug/l	99
54) 1,2-Dibromoethane	11.465	107	40450	20.305	ug/l	98
55) 2-Chloroethyl vinyl ether	10.153	63	169065	105.417	ug/l	99
56) Bromoform	12.576	173	28855	18.338	ug/l	100
58) 4-Methyl-2-Pentanone	10.441	43	272378	88.864	ug/l	98
59) 2-Hexanone	11.188	43	185567	83.338	ug/l	97
61) Tetrachloroethene	11.100	164	37432	22.177	ug/l	93
62) Toluene	10.624	91	192736	20.749	ug/l	100
64) Chlorobenzene	11.888	112	117831	21.033	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.953	131	42154	20.748	ug/l	99
66) Ethyl Benzene	11.959	91	193823	19.831	ug/l	97
67) m/p-Xylenes	12.065	106	153533	41.871	ug/l	97
68) o-Xylene	12.394	106	69882	20.008	ug/l	98
69) Styrene	12.406	104	118962	20.154	ug/l	100
70) Isopropylbenzene	12.688	105	179963	20.520	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	57731	18.560	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	51795m	19.565	ug/l	
73) Bromobenzene	12.976	156	44405	20.495	ug/l	97
74) n-propylbenzene	13.029	91	217809	19.935	ug/l	97
75) 2-Chlorotoluene	13.123	91	134134	20.379	ug/l	100
76) 1,3,5-Trimethylbenzene	13.171	105	152638	20.397	ug/l	100
77) t-1,4-Dichloro-2-butene	12.729	75	18382	16.990	ug/l	92
78) 4-Chlorotoluene	13.218	91	133143	19.895	ug/l	99
79) tert-butylbenzene	13.435	119	123344	20.155	ug/l	96
80) 1,2,4-Trimethylbenzene	13.476	105	152619	20.489	ug/l	99
81) sec-Butylbenzene	13.612	105	178519	20.205	ug/l	99
82) p-Isopropyltoluene	13.723	119	149824	20.590	ug/l	98
83) 1,3-Dichlorobenzene	13.729	146	82603	20.443	ug/l	99
84) 1,4-Dichlorobenzene	13.806	146	79807	20.415	ug/l	97
85) n-Butylbenzene	14.053	91	125572	19.988	ug/l	99
86) Hexachloroethane	14.329	117	30104	19.271	ug/l	97
87) 1,2-Dichlorobenzene	14.100	146	78682	20.496	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9491	16.714	ug/l	96
89) 1,2,4-Trichlorobenzene	15.829	180	34951	19.218	ug/l	99
90) Hexachlorobutadiene	15.494	225	18392	20.288	ug/l	90
91) Naphthalene	15.635	128	98807	16.909	ug/l	100
92) 1,2,3-Trichlorobenzene	15.829	180	34951	19.218	ug/l	99

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

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