

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
 Data File : VN084343.D
 Acq On : 08 Oct 2024 12:09
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN100824

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/09/2024
 Supervised By : Mahesh Dadoda 10/09/2024

Quant Time: Oct 09 02:27:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:21:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	35827	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	193781	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	180191	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	86558	30.009	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.033%			
60) 4-Bromofluorobenzene	12.847	95	91549	30.784	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.600%			
63) Toluene-d8	10.565	98	253573	30.377	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.267%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	43254	19.774	ug/l	99
3) Chloromethane	2.365	50	49667	19.953	ug/l	98
4) Vinyl Chloride	2.512	62	49435	20.252	ug/l	99
5) Bromomethane	2.959	94	31882	19.713	ug/l	93
6) Chloroethane	3.118	64	32723	20.448	ug/l	92
7) Trichlorofluoromethane	3.500	101	77185	19.412	ug/l	91
8) Diethyl Ether	3.965	74	28565	19.540	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	45902	20.532	ug/l	98
10) 1,1-Dichloroethene	4.342	96	43131	19.334	ug/l	84
11) Methyl Iodide	4.594	142	56446	19.255	ug/l	99
12) Methyl Acetate	5.030	43	52991	18.975	ug/l	99
13) Acrolein	4.183	56	48906	94.270	ug/l	99
14) Acrylonitrile	5.718	53	116456	92.817	ug/l	98
15) Acetone	4.430	58	39824	111.112	ug/l	100
16) Carbon Disulfide	4.712	76	126253	19.006	ug/l	99
17) Allyl chloride	5.024	41	68924	19.060	ug/l	86
18) Methylene Chloride	5.271	84	50598	20.135	ug/l	97
19) trans-1,2-Dichloroethene	5.789	96	45883	19.434	ug/l	98
20) Diisopropyl ether	6.677	45	158301	20.360	ug/l	97
21) 1,1-Dichloroethane	6.565	63	88993	19.948	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	54789	19.943	ug/l	100
23) tert-Butyl Alcohol	5.524	59	43150	89.659	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	146831	19.696	ug/l #	86
25) Chloroform	7.965	83	91875	20.334	ug/l	98
26) Cyclohexane	8.253	56	70636	18.931	ug/l #	92
29) 1,1-Dichloropropene	8.371	75	63709	20.028	ug/l	99
30) 2-Butanone	7.483	43	170510	100.675	ug/l	99
31) 2,2-Dichloropropane	7.488	77	78528	21.007	ug/l #	82
32) 1,1,1-Trichloroethane	8.165	97	83527	20.543	ug/l	99
33) Carbon Tetrachloride	8.365	117	70593	20.040	ug/l	97
34) Benzene	8.606	78	201095	20.195	ug/l	98
35) Methacrylonitrile	7.782	41	35261	19.515	ug/l	99
36) 1,2-Dichloroethane	8.671	62	67448	20.321	ug/l	99
37) Trichloroethene	9.353	130	46466	20.265	ug/l	92
38) Methylcyclohexane	9.600	83	69219	19.810	ug/l	98
39) 1,2-Dichloropropane	9.618	63	49546	20.404	ug/l	94
40) Dibromomethane	9.706	93	34353	20.242	ug/l	98
41) Bromodichloromethane	9.888	83	72371	20.087	ug/l	92
42) Vinyl Acetate	6.606	43	581959	98.798	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	63334m	18.961	ug/l	
44) Isopropyl Acetate	8.688	43	106167	19.419	ug/l	100
45) 1,4-Dioxane	9.700	88	17788	360.927	ug/l	96
46) Methyl methacrylate	9.682	41	51122	19.353	ug/l	97
47) n-amyl Acetate	12.494	43	94442	19.421	ug/l	99
48) t-1,3-Dichloropropene	10.835	75	74857	20.107	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	80340	20.591	ug/l	95
50) 1,1,2-Trichloroethane	11.012	97	45700	20.034	ug/l	99
51) Ethyl methacrylate	10.871	69	73999	19.639	ug/l	97
52) 1,3-Dichloropropane	11.159	76	80053	20.070	ug/l	100
53) Dibromochloromethane	11.359	129	54490	20.221	ug/l	99
54) 1,2-Dibromoethane	11.470	107	45857	19.530	ug/l	95
55) 2-Chloroethyl vinyl ether	10.159	63	150677	88.171	ug/l	99
56) Bromoform	12.576	173	35946	20.113	ug/l	97
58) 4-Methyl-2-Pentanone	10.441	43	326914	97.392	ug/l	99
59) 2-Hexanone	11.194	43	248144	99.486	ug/l	99
61) Tetrachloroethene	11.100	164	41736	20.477	ug/l	95
62) Toluene	10.629	91	216792	20.551	ug/l	98
64) Chlorobenzene	11.894	112	131028	19.960	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	45996	20.169	ug/l	100
66) Ethyl Benzene	11.965	91	229654	20.038	ug/l	95
67) m/p-Xylenes	12.070	106	179863	41.370	ug/l	98
68) o-Xylene	12.394	106	84107	20.070	ug/l	99
69) Styrene	12.412	104	144766	20.124	ug/l	100
70) Isopropylbenzene	12.694	105	213142	19.923	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	65966	19.932	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	63849m	22.527	ug/l	
73) Bromobenzene	12.976	156	51798	19.992	ug/l	98
74) n-propylbenzene	13.035	91	260928	20.467	ug/l	100
75) 2-Chlorotoluene	13.123	91	158449	20.001	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	181926	20.196	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	22878	18.889	ug/l	98
78) 4-Chlorotoluene	13.217	91	161150	20.008	ug/l	99
79) tert-butylbenzene	13.435	119	155215	20.197	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	186446	20.399	ug/l	99
81) sec-Butylbenzene	13.617	105	212421	20.077	ug/l	99
82) p-Isopropyltoluene	13.729	119	178265	20.018	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	96137	19.955	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	92714	19.380	ug/l	98
85) n-Butylbenzene	14.053	91	148207	19.215	ug/l	99
86) Hexachloroethane	14.335	117	34925	20.356	ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	91342	19.610	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	12734	18.815	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	43683	18.038	ug/l	99
90) Hexachlorobutadiene	15.500	225	21663	19.335	ug/l	98
91) Naphthalene	15.641	128	137791	16.790	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	43683	18.038	ug/l	99

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

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