

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
 Data File : VN084339.D
 Acq On : 08 Oct 2024 10:31
 Operator : JC\MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050

Quant Time: Oct 09 02:07:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:04:33 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	7.812	128	35466	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	196182	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	180971	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	84072	29.444	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.133%		
60) 4-Bromofluorobenzene	12.847	95	90206	30.202	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.667%		
63) Toluene-d8	10.565	98	249414	29.750	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.167%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	104507	48.263	ug/l	96
3) Chloromethane	2.359	50	119618	48.544	ug/l	99
4) Vinyl Chloride	2.512	62	118532	49.052	ug/l	93
5) Bromomethane	2.947	94	73816	46.107	ug/l	98
6) Chloroethane	3.118	64	72586	45.819	ug/l	95
7) Trichlorofluoromethane	3.495	101	192447	48.893	ug/l	94
8) Diethyl Ether	3.959	74	72484	50.089	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	106319	48.040	ug/l	98
10) 1,1-Dichloroethene	4.342	96	110533	50.053	ug/l	89
11) Methyl Iodide	4.589	142	146194	50.376	ug/l	97
12) Methyl Acetate	5.024	43	143947	52.068	ug/l	95
13) Acrolein	4.177	56	127301	247.880	ug/l	99
14) Acrylonitrile	5.718	53	314551	253.254	ug/l	98
15) Acetone	4.430	58	90377	254.725	ug/l	96
16) Carbon Disulfide	4.712	76	316013	48.056	ug/l	98
17) Allyl chloride	5.024	41	179722	50.205	ug/l	93
18) Methylene Chloride	5.277	84	123536	49.660	ug/l	97
19) trans-1,2-Dichloroethene	5.783	96	115099	49.248	ug/l	89
20) Diisopropyl ether	6.671	45	387668	50.368	ug/l	96
21) 1,1-Dichloroethane	6.571	63	216289	48.975	ug/l	96
22) cis-1,2-Dichloroethene	7.488	96	135603	49.862	ug/l	100
23) tert-Butyl Alcohol	5.524	59	121932	255.936	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	371557m	50.347	ug/l	
25) Chloroform	7.965	83	224326	50.153	ug/l	99
26) Cyclohexane	8.259	56	182672	49.456	ug/l #	97
29) 1,1-Dichloropropene	8.371	75	159132	49.412	ug/l	99
30) 2-Butanone	7.482	43	438443	255.703	ug/l	99
31) 2,2-Dichloropropane	7.488	77	186163	49.191	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	202531	49.200	ug/l	99
33) Carbon Tetrachloride	8.359	117	173775	48.728	ug/l	94
34) Benzene	8.606	78	494102	49.013	ug/l	96
35) Methacrylonitrile	7.777	41	94562	51.695	ug/l	96
36) 1,2-Dichloroethane	8.671	62	165947	49.385	ug/l	100
37) Trichloroethene	9.353	130	112853	48.615	ug/l	98
38) Methylcyclohexane	9.600	83	175023	49.477	ug/l	99
39) 1,2-Dichloropropane	9.618	63	118717	48.292	ug/l	98
40) Dibromomethane	9.706	93	84017	48.900	ug/l	98
41) Bromodichloromethane	9.888	83	179758	49.283	ug/l	92
42) Vinyl Acetate	6.606	43	1520354	254.948	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	168929	49.954	ug/l	94
44) Isopropyl Acetate	8.688	43	281915	50.934	ug/l	99
45) 1,4-Dioxane	9.694	88	51791	1038.003	ug/l	95
46) Methyl methacrylate	9.682	41	137372	51.368	ug/l	98
47) n-amyl Acetate	12.494	43	251442	51.073	ug/l	99
48) t-1,3-Dichloropropene	10.835	75	187402	49.721	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	197144	49.908	ug/l	96
50) 1,1,2-Trichloroethane	11.018	97	114315	49.500	ug/l	98
51) Ethyl methacrylate	10.871	69	198002	51.907	ug/l	96
52) 1,3-Dichloropropane	11.165	76	198343	49.119	ug/l	99
53) Dibromochloromethane	11.359	129	135901	49.816	ug/l	99
54) 1,2-Dibromoethane	11.470	107	118129	49.693	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	439901	254.264	ug/l	99
56) Bromoform	12.576	173	90199	49.851	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	864518	256.442	ug/l	100
59) 2-Hexanone	11.194	43	654698	261.350	ug/l	100
61) Tetrachloroethene	11.100	164	100050	48.875	ug/l	97
62) Toluene	10.629	91	526619	49.707	ug/l	99
64) Chlorobenzene	11.888	112	323202	49.023	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	114617	50.043	ug/l	99
66) Ethyl Benzene	11.965	91	582229	50.583	ug/l	99
67) m/p-Xylenes	12.070	106	446529	102.264	ug/l	99
68) o-Xylene	12.400	106	213661	50.765	ug/l	99
69) Styrene	12.412	104	369695	51.169	ug/l	99
70) Isopropylbenzene	12.694	105	546834	50.894	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	167855	50.500	ug/l	100
72) 1,2,3-Trichloropropane	12.994	75	144614m	50.872	ug/l	
73) Bromobenzene	12.982	156	131272	50.447	ug/l	98
74) n-propylbenzene	13.035	91	650890	50.836	ug/l	99
75) 2-Chlorotoluene	13.123	91	396493	49.834	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	461964	51.064	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	63656	52.330	ug/l	96
78) 4-Chlorotoluene	13.223	91	407771	50.410	ug/l	99
79) tert-butylbenzene	13.435	119	394929	51.169	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	467589	50.939	ug/l	100
81) sec-Butylbenzene	13.617	105	541224	50.934	ug/l	99
82) p-Isopropyltoluene	13.729	119	451993	50.537	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	243731	50.374	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	237600	49.452	ug/l	99
85) n-Butylbenzene	14.053	91	392578	50.679	ug/l	98
86) Hexachloroethane	14.335	117	85140	49.410	ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	235213	50.280	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	35951	52.891	ug/l	98
89) 1,2,4-Trichlorobenzene	15.841	180	123597	50.816	ug/l	97
90) Hexachlorobutadiene	15.500	225	53904	47.905	ug/l	99
91) Naphthalene	15.641	128	428263	51.960	ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	123597	50.816	ug/l	97

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

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