

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090624\
 Data File : VN083692.D
 Acq On : 06 Sep 2024 12:46
 Operator : JC\MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050

Quant Time: Sep 06 23:32:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:27:49 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	7.812	128	31184	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	184509	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	165492	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	85655	30.050	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.167%			
60) 4-Bromofluorobenzene	12.847	95	85838	30.095	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.333%			
63) Toluene-d8	10.565	98	228618	29.834	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.433%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	101651	48.676	ug/l	94
3) Chloromethane	2.359	50	103705	47.795	ug/l	99
4) Vinyl Chloride	2.518	62	107534	48.208	ug/l	97
5) Bromomethane	2.900	94	58251	46.741	ug/l	95
6) Chloroethane	3.077	64	67746	45.354	ug/l	96
7) Trichlorofluoromethane	3.471	101	179139	47.903	ug/l	93
8) Diethyl Ether	3.953	74	60831	47.872	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.359	101	96015	47.798	ug/l	95
10) 1,1-Dichloroethene	4.324	96	92793	47.877	ug/l	89
11) Methyl Iodide	4.577	142	127812	48.550	ug/l	97
12) Methyl Acetate	5.024	43	105723m	45.231	ug/l	
13) Acrolein	4.177	56	86540	253.692	ug/l	95
14) Acrylonitrile	5.718	53	223628	236.416	ug/l	98
15) Acetone	4.430	58	74090	236.122	ug/l	74
16) Carbon Disulfide	4.700	76	262055	47.842	ug/l	99
17) Allyl chloride	5.012	41	164040	48.212	ug/l	86
18) Methylene Chloride	5.271	84	100729	47.504	ug/l	90
19) trans-1,2-Dichloroethene	5.783	96	95911	47.746	ug/l	98
20) Diisopropyl ether	6.671	45	325047	47.356	ug/l	97
21) 1,1-Dichloroethane	6.559	63	185006	47.209	ug/l	96
22) cis-1,2-Dichloroethene	7.482	96	117256	47.960	ug/l	95
23) tert-Butyl Alcohol	5.536	59	82205	236.828	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	328857	47.747	ug/l #	87
25) Chloroform	7.965	83	198693	47.843	ug/l	98
26) Cyclohexane	8.253	56	167355	48.487	ug/l #	88
29) 1,1-Dichloropropene	8.365	75	139513	47.671	ug/l	98
30) 2-Butanone	7.482	43	326178	236.438	ug/l	94
31) 2,2-Dichloropropane	7.482	77	178197	47.759	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	187080	47.866	ug/l	98
33) Carbon Tetrachloride	8.359	117	161308	47.659	ug/l	93
34) Benzene	8.600	78	417083	47.498	ug/l	98
35) Methacrylonitrile	7.771	41	72308	46.626	ug/l	93
36) 1,2-Dichloroethane	8.671	62	156520	47.414	ug/l	95
37) Trichloroethene	9.347	130	97099	47.090	ug/l	91
38) Methylcyclohexane	9.600	83	168966	48.224	ug/l	97
39) 1,2-Dichloropropane	9.618	63	100678	47.639	ug/l	96
40) Dibromomethane	9.706	93	73868	47.803	ug/l	93
41) Bromodichloromethane	9.888	83	157563	47.950	ug/l	95
42) Vinyl Acetate	6.600	43	1269865	223.883	ug/l	96

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43) Ethyl Acetate	7.559	43	130541	47.013	ug/l	97
44) Isopropyl Acetate	8.688	43	229379	47.761	ug/l	91
45) 1,4-Dioxane	9.694	88	35832	956.571	ug/l #	93
46) Methyl methacrylate	9.676	41	111533	47.980	ug/l	82
47) n-amyl Acetate	12.494	43	209735	49.301	ug/l	89
48) t-1,3-Dichloropropene	10.835	75	164230	47.515	ug/l	94
49) cis-1,3-Dichloropropene	10.312	75	171193	47.625	ug/l #	84
50) 1,1,2-Trichloroethane	11.018	97	94024	47.818	ug/l	98
51) Ethyl methacrylate	10.876	69	161552	48.091	ug/l	81
52) 1,3-Dichloropropane	11.165	76	168067	47.331	ug/l	99
53) Dibromochloromethane	11.359	129	114327	48.475	ug/l	99
54) 1,2-Dibromoethane	11.470	107	96308	47.345	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	303185	226.464	ug/l	99
56) Bromoform	12.576	173	72832	48.608	ug/l #	96
58) 4-Methyl-2-Pentanone	10.441	43	628368	239.462	ug/l #	90
59) 2-Hexanone	11.194	43	472821	238.463	ug/l	89
61) Tetrachloroethene	11.100	164	81597	46.589	ug/l	98
62) Toluene	10.629	91	458137	48.163	ug/l	100
64) Chlorobenzene	11.888	112	277997	47.203	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	99347	48.424	ug/l	99
66) Ethyl Benzene	11.965	91	518395	47.923	ug/l	100
67) m/p-Xylenes	12.070	106	384641	96.649	ug/l	97
68) o-Xylene	12.394	106	188367	48.905	ug/l	98
69) Styrene	12.412	104	316348	48.608	ug/l	98
70) Isopropylbenzene	12.694	105	498890	49.081	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	132828	47.845	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	115119m	47.387	ug/l	
73) Bromobenzene	12.982	156	112553	48.209	ug/l	95
74) n-propylbenzene	13.035	91	580804	48.812	ug/l	99
75) 2-Chlorotoluene	13.123	91	357678	48.163	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	419662	49.426	ug/l	97
77) t-1,4-Dichloro-2-butene	12.735	75	49615	48.224	ug/l	90
78) 4-Chlorotoluene	13.217	91	358117	47.550	ug/l	99
79) tert-butylbenzene	13.435	119	353609	47.626	ug/l	97
80) 1,2,4-Trimethylbenzene	13.482	105	423342	49.339	ug/l	99
81) sec-Butylbenzene	13.617	105	495951	48.897	ug/l	100
82) p-Isopropyltoluene	13.729	119	420388	49.262	ug/l	98
83) 1,3-Dichlorobenzene	13.729	146	213041	47.411	ug/l	99
84) 1,4-Dichlorobenzene	13.811	146	212746	47.357	ug/l	99
85) n-Butylbenzene	14.053	91	360329	47.848	ug/l	99
86) Hexachloroethane	14.329	117	80541	49.803	ug/l	87
87) 1,2-Dichlorobenzene	14.106	146	210695	48.315	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	30132	49.388	ug/l	90
89) 1,2,4-Trichlorobenzene	15.841	180	113238	47.397	ug/l	100
90) Hexachlorobutadiene	15.500	225	47864	48.403	ug/l	99
91) Naphthalene	15.635	128	376599	48.216	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	113238	47.397	ug/l	100

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

