

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011124\
 Data File : VN080666.D
 Acq On : 11 Jan 2024 10:06
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Jan 12 04:38:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 12 04:36:53 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/12/2024
 Supervised By : Semsettin Yesilyurt 01/12/2024

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

Internal Standards						
1) Bromochloromethane	7.812	128	16458	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	129857	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	141696	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	72112	27.133	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	90.433%	#	
60) 4-Bromofluorobenzene	12.847	95	98896	31.551	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	105.167%		
63) Toluene-d8	10.565	98	186515	29.993	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.967%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	403997	144.430	ug/l	99
3) Chloromethane	2.359	50	534526	140.284	ug/l	97
4) Vinyl Chloride	2.512	62	410967	141.786	ug/l	98
5) Bromomethane	2.942	94	136431	128.191	ug/l	95
6) Chloroethane	3.118	64	211037	134.675	ug/l	92
7) Trichlorofluoromethane	3.495	101	612452	141.438	ug/l	97
8) Diethyl Ether	3.953	74	272653	143.210	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.371	101	360714	144.558	ug/l	88
10) 1,1-Dichloroethene	4.336	96	374215	139.331	ug/l	# 83
11) Methyl Iodide	4.589	142	312898	136.869	ug/l	93
12) Methyl Acetate	5.018	43	409308	129.074	ug/l	# 81
13) Acrolein	4.171	56	257955	610.493	ug/l	99
14) Acrylonitrile	5.712	53	931049	651.547	ug/l	98
15) Acetone	4.418	58	200617	619.146	ug/l	84
16) Carbon Disulfide	4.712	76	1108082	133.446	ug/l	97
17) Allyl chloride	5.018	41	719314	131.501	ug/l	87
18) Methylene Chloride	5.271	84	419819	134.787	ug/l	# 83
19) trans-1,2-Dichloroethene	5.783	96	380111	134.883	ug/l	88
20) Diisopropyl ether	6.665	45	1472345	133.812	ug/l	# 92
21) 1,1-Dichloroethane	6.565	63	800566	133.888	ug/l	94
22) cis-1,2-Dichloroethene	7.483	96	431244m	130.752	ug/l	
23) tert-Butyl Alcohol	5.512	59	314503	638.006	ug/l	# 100
24) Methyl tert-Butyl Ether	5.789	73	1306896m	134.832	ug/l	
25) Chloroform	7.965	83	748069	134.375	ug/l	96
26) Cyclohexane	8.259	56	653095	138.896	ug/l	# 89
29) 1,1-Dichloropropene	8.371	75	588962	149.202	ug/l	97
30) 2-Butanone	7.477	43	1188197	680.238	ug/l	91
31) 2,2-Dichloropropane	7.489	77	712651	150.283	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	657084	151.279	ug/l	# 94
33) Carbon Tetrachloride	8.359	117	521424	152.001	ug/l	96
34) Benzene	8.606	78	1683560	143.790	ug/l	97
35) Methacrylonitrile	7.777	41	315622	143.998	ug/l	90
36) 1,2-Dichloroethane	8.671	62	625775	145.353	ug/l	# 94
37) Trichloroethene	9.353	130	369303	144.626	ug/l	86
38) Methylcyclohexane	9.600	83	582051	151.355	ug/l	91
39) 1,2-Dichloropropane	9.624	63	452043	143.242	ug/l	98
40) Dibromomethane	9.706	93	263698	140.436	ug/l	87
41) Bromodichloromethane	9.888	83	604890	147.209	ug/l	# 97
42) Vinyl Acetate	6.600	43	5718981	704.441	ug/l	# 93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	521499	142.179	ug/l	99
44) Isopropyl Acetate	8.688	43	987564	141.047	ug/l	91
45) 1,4-Dioxane	9.694	88	100064	2512.851	ug/l #	86
46) Methyl methacrylate	9.677	41	468732	142.170	ug/l	76
47) n-amyl Acetate	12.494	43	874838m	139.356	ug/l	
48) t-1,3-Dichloropropene	10.835	75	709631	146.569	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	753685	146.663	ug/l #	79
50) 1,1,2-Trichloroethane	11.018	97	361250	140.089	ug/l	95
51) Ethyl methacrylate	10.877	69	634714	142.385	ug/l	70
52) 1,3-Dichloropropane	11.165	76	681800	140.444	ug/l	99
53) Dibromochloromethane	11.359	129	379032	146.885	ug/l	100
54) 1,2-Dibromoethane	11.471	107	366786	144.698	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	1543510	673.659	ug/l	94
56) Bromoform	12.582	173	224564	147.319	ug/l	97
58) 4-Methyl-2-Pentanone	10.447	43	2558705	686.450	ug/l #	85
59) 2-Hexanone	11.194	43	1919979	689.889	ug/l #	86
61) Tetrachloroethene	11.106	164	275590	146.109	ug/l	96
62) Toluene	10.630	91	1676138	147.071	ug/l	100
64) Chlorobenzene	11.894	112	944049	148.722	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	325825	142.860	ug/l	97
66) Ethyl Benzene	11.965	91	1795841	149.819	ug/l	99
67) m/p-Xylenes	12.071	106	1268439	294.419	ug/l	92
68) o-Xylene	12.400	106	631430	146.958	ug/l	93
69) Styrene	12.412	104	1067326	147.859	ug/l	96
70) Isopropylbenzene	12.694	105	1583843	150.825	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	478869	139.708	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	448464m	133.169	ug/l	
73) Bromobenzene	12.982	156	328129	146.595	ug/l	73
74) n-propylbenzene	13.035	91	1986573	156.860	ug/l	97
75) 2-Chlorotoluene	13.123	91	1222835	153.537	ug/l	95
76) 1,3,5-Trimethylbenzene	13.176	105	1321044	151.145	ug/l	95
77) t-1,4-Dichloro-2-butene	12.741	75	204287	153.395	ug/l	88
78) 4-Chlorotoluene	13.223	91	1218741	153.085	ug/l	94
79) tert-butylbenzene	13.441	119	1040400	152.500	ug/l	93
80) 1,2,4-Trimethylbenzene	13.482	105	1284504	150.216	ug/l	99
81) sec-Butylbenzene	13.618	105	1538132	153.153	ug/l	97
82) p-Isopropyltoluene	13.729	119	1174100	153.298	ug/l	95
83) 1,3-Dichlorobenzene	13.735	146	575884	148.302	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	595905	152.407	ug/l	98
85) n-Butylbenzene	14.059	91	1230206	162.568	ug/l	97
86) Hexachloroethane	14.335	117	231270	160.577	ug/l	78
87) 1,2-Dichlorobenzene	14.106	146	569335	149.459	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.717	75	104647	146.637	ug/l #	80
89) 1,2,4-Trichlorobenzene	15.841	180	286289	149.841	ug/l	98
90) Hexachlorobutadiene	15.506	225	129123	147.504	ug/l	99
91) Naphthalene	15.641	128	1087286	145.975	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	286289	149.841	ug/l	98

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

