

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091321\
 Data File : VN068458.D
 Acq On : 13 Sep 2021 15:20
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 14 04:11:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N091321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Sep 14 04:08:29 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/14/2021
 Supervised By : Mahesh Dadoda 09/14/2021

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

Internal Standards						
1) Bromochloromethane	7.662	128	127840	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	637120	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	618885	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	203153	26.908	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	89.700%	#	
60) 4-Bromofluorobenzene	12.734	95	269422	30.543	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	101.800%		
63) Toluene-d8	10.443	98	763859	28.371	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	94.567%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.070	85	891270	153.065	ug/l	99
3) Chloromethane	2.298	50	768167	136.376	ug/l	99
4) Vinyl Chloride	2.440	62	1170552	131.121	ug/l	100
5) Bromomethane	2.818	94	1024654	115.553	ug/l	98
6) Chloroethane	2.987	64	793050	124.462	ug/l	99
7) Trichlorofluoromethane	3.357	101	1567872	142.477	ug/l	100
8) Diethyl Ether	3.821	74	511383	147.336	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.205	101	885836	141.325	ug/l	96
10) 1,1-Dichloroethene	4.178	96	857124	147.130	ug/l	94
11) Methyl Iodide	4.420	142	1569941	173.559	ug/l	98
12) Methyl Acetate	4.851	43	832225	137.246	ug/l	94
13) Acrolein	4.041	56	348495	715.103	ug/l	100
14) Acrylonitrile	5.554	53	1896252	722.134	ug/l	99
15) Acetone	4.285	58	494926	691.612	ug/l	96
16) Carbon Disulfide	4.529	76	2201920	146.456	ug/l	98
17) Allyl chloride	4.838	41	1054001	144.894	ug/l	96
18) Methylene Chloride	5.093	84	945744	135.615	ug/l	95
19) trans-1,2-Dichloroethene	5.597	96	952275	145.695	ug/l	99
20) Diisopropyl ether	6.495	45	2188277	135.619	ug/l	94
21) 1,1-Dichloroethane	6.388	63	1463961	136.515	ug/l	97
22) cis-1,2-Dichloroethene	7.327	96	1137096	144.948	ug/l	94
23) tert-Butyl Alcohol	5.372	59	738511	695.950	ug/l #	100
24) Methyl tert-Butyl Ether	5.616	73	2868304	144.593	ug/l	97
25) Chloroform	7.820	83	1747792	136.184	ug/l	100
26) Cyclohexane	8.096	56	1260252	139.003	ug/l #	96
29) 1,1-Dichloropropene	8.225	75	1243578	145.681	ug/l	96
30) 2-Butanone	7.335	43	2338298	717.693	ug/l #	95
31) 2,2-Dichloropropane	7.327	77	1413753	143.914	ug/l	96
32) 1,1,1-Trichloroethane	8.016	97	1711364	147.631	ug/l	98
33) Carbon Tetrachloride	8.206	117	1616132	149.150	ug/l	98
34) Benzene	8.461	78	3779680	145.198	ug/l #	94
35) Methacrylonitrile	7.638	41	439945	140.013	ug/l	94
36) 1,2-Dichloroethane	8.531	62	1217036	138.862	ug/l	98
37) Trichloroethene	9.218	130	1260546	150.661	ug/l	93
38) Methylcyclohexane	9.462	83	1664812	151.724	ug/l	97
39) 1,2-Dichloropropane	9.491	63	882441	144.035	ug/l	98
40) Dibromomethane	9.580	93	729170	144.859	ug/l	88
41) Bromodichloromethane	9.765	83	1436334	147.650	ug/l	97
42) Vinyl Acetate	6.434	43	8786677	750.639	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.413	43	970890	137.352	ug/l	# 78
44) Isopropyl Acetate	8.560	43	1705839	145.296	ug/l	98
45) 1,4-Dioxane	9.569	88	365052	3069.085	ug/l	93
46) Methyl methacrylate	9.561	41	716581	150.607	ug/l	96
47) n-amyl Acetate	12.390	43	1373059	166.231	ug/l	96
48) t-1,3-Dichloropropene	10.719	75	1521919	154.515	ug/l	100
49) cis-1,3-Dichloropropene	10.191	75	1600523	151.194	ug/l	96
50) 1,1,2-Trichloroethane	10.902	97	1070710	147.190	ug/l	98
51) Ethyl methacrylate	10.765	69	1465715	156.930	ug/l	99
52) 1,3-Dichloropropane	11.047	76	1569230	145.061	ug/l	100
53) Dibromochloromethane	11.240	129	1409058	157.525	ug/l	100
54) 1,2-Dibromoethane	11.347	107	1184148	151.785	ug/l	99
55) 2-Chloroethyl vinyl ether	10.044	63	1421484	898.993	ug/l	97
56) Bromoform	12.460	173	1234467	171.817	ug/l	# 100
58) 4-Methyl-2-Pentanone	10.333	43	5199069	713.635	ug/l	96
59) 2-Hexanone	11.087	43	3658895	724.652	ug/l	97
61) Tetrachloroethene	10.980	164	1285530	144.465	ug/l	96
62) Toluene	10.508	91	4611194	141.566	ug/l	99
64) Chlorobenzene	11.773	112	3167201	147.427	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	1299692	148.238	ug/l	100
66) Ethyl Benzene	11.846	91	5244979	148.162	ug/l	99
67) m/p-Xylenes	11.956	106	4388362	300.736	ug/l	97
68) o-Xylene	12.283	106	2181701	151.432	ug/l	97
69) Styrene	12.296	104	3575077	156.491	ug/l	98
70) Isopropylbenzene	12.581	105	5549742	151.715	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	1444929	145.115	ug/l	99
72) 1,2,3-Trichloropropane	12.884	75	1206088m	150.663	ug/l	
73) Bromobenzene	12.862	156	1634210	157.375	ug/l	91
74) n-propylbenzene	12.924	91	5993069	151.919	ug/l	98
75) 2-Chlorotoluene	13.010	91	3528949	148.639	ug/l	98
76) 1,3,5-Trimethylbenzene	13.061	105	4635424	151.777	ug/l	99
77) t-1,4-Dichloro-2-butene	12.629	75	439190	160.566	ug/l	96
78) 4-Chlorotoluene	13.106	91	3488505	153.109	ug/l	98
79) tert-butylbenzene	13.326	119	4364640	155.557	ug/l	98
80) 1,2,4-Trimethylbenzene	13.369	105	4537811m	127.150	ug/l	
81) sec-Butylbenzene	13.503	105	5778540	155.807	ug/l	98
82) p-Isopropyltoluene	13.619	119	5121839	161.007	ug/l	99
83) 1,3-Dichlorobenzene	13.616	146	2831639	156.879	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	2742982	158.636	ug/l	98
85) n-Butylbenzene	13.943	91	3777425	166.943	ug/l	98
86) Hexachloroethane	14.211	117	939734	160.821	ug/l	82
87) 1,2-Dichlorobenzene	13.991	146	2669401	153.901	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.606	75	256129	152.122	ug/l	82
89) 1,2,4-Trichlorobenzene	15.265	180	1507164	179.845	ug/l	98
90) Hexachlorobutadiene	15.373	225	835729	157.678	ug/l	99
91) Naphthalene	15.507	128	3318334	183.553	ug/l	100
92) 1,2,3-Trichlorobenzene	15.703	180	1382710	175.199	ug/l	99

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

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