

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092721\
 Data File : VN068707.D
 Acq On : 27 Sep 2021 18:28
 Operator : JC/MD
 Sample : VN0927WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/28/2021 7:05:47 PM

Quant Time: Sep 28 05:29:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092721W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 27 14:37:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	91008	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	543889	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	734517	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	249638	29.715	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.033%		
60) 4-Bromofluorobenzene	12.734	95	306672	23.355	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	77.833%		
63) Toluene-d8	10.440	98	706536	20.598	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	68.667%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	99309	18.783	ug/l	97
3) Chloromethane	2.303	50	129465	19.124	ug/l	98
4) Vinyl Chloride	2.443	62	147751	17.695	ug/l	97
5) Bromomethane	2.859	94	106836	18.485	ug/l	96
6) Chloroethane	3.019	64	107577	17.633	ug/l	100
7) Trichlorofluoromethane	3.376	101	178293	18.197	ug/l	99
8) Diethyl Ether	3.827	74	62301	17.843	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.216	101	100384	18.556	ug/l	99
10) 1,1-Dichloroethene	4.186	96	91299	18.286	ug/l	98
11) Methyl Iodide	4.427	142	110221	17.236	ug/l	98
12) Methyl Acetate	4.857	43	182342	17.173	ug/l	97
13) Acrolein	4.039	56	29539	89.137	ug/l #	32
14) Acrylonitrile	5.554	53	272240	85.381	ug/l	99
15) Acetone	4.285	58	82785	95.051	ug/l	93
16) Carbon Disulfide	4.535	76	248580	17.668	ug/l	99
17) Allyl chloride	4.843	41	175096	17.623	ug/l	97
18) Methylene Chloride	5.098	84	110469	18.055	ug/l	99
19) trans-1,2-Dichloroethene	5.600	96	99509	17.947	ug/l	97
20) Diisopropyl ether	6.493	45	382864	17.511	ug/l	98
21) 1,1-Dichloroethane	6.388	63	200734	17.414	ug/l	97
22) cis-1,2-Dichloroethene	7.327	96	118524	17.646	ug/l	98
23) tert-Butyl Alcohol	5.364	59	90012	85.457	ug/l #	100
24) Methyl tert-Butyl Ether	5.613	73	340034	17.382	ug/l	100
25) Chloroform	7.820	83	214865	17.309	ug/l	99
26) Cyclohexane	8.096	56	178057	16.998	ug/l #	99
29) 1,1-Dichloropropene	8.222	75	156556	14.959	ug/l	100
30) 2-Butanone	7.332	43	416387	83.059	ug/l	99
31) 2,2-Dichloropropane	7.327	77	177592	16.691	ug/l	98
32) 1,1,1-Trichloroethane	8.016	97	186458	15.588	ug/l	99
33) Carbon Tetrachloride	8.209	117	167349	14.882	ug/l	99
34) Benzene	8.461	78	471651	16.672	ug/l	97
35) Methacrylonitrile	7.635	41	81399	15.972	ug/l	95
36) 1,2-Dichloroethane	8.531	62	184563	16.753	ug/l	99
37) Trichloroethene	9.215	130	124127	17.662	ug/l	95
38) Methylcyclohexane	9.462	83	186917	14.469	ug/l	97
39) 1,2-Dichloropropane	9.491	63	131895	16.114	ug/l	96
40) Dibromomethane	9.577	93	85669	15.262	ug/l	98
41) Bromodichloromethane	9.762	83	171916	15.267	ug/l	97
42) Vinyl Acetate	6.434	43	1469924	80.209	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	160580	16.511	ug/l	94
44) Isopropyl Acetate	8.560	43	292579	16.203	ug/l	97
45) 1,4-Dioxane	9.569	88	38835	296.764	ug/l	95
46) Methyl methacrylate	9.561	41	130029	13.872	ug/l	98
47) n-amyl Acetate	12.390	43	307954	18.679	ug/l	100
48) t-1,3-Dichloropropene	10.719	75	190213	15.679	ug/l	97
49) cis-1,3-Dichloropropene	10.188	75	220106	17.631	ug/l	93
50) 1,1,2-Trichloroethane	10.899	97	133282	17.739	ug/l	98
51) Ethyl methacrylate	10.762	69	182146	15.405	ug/l	99
52) 1,3-Dichloropropane	11.047	76	204348	16.734	ug/l	100
53) Dibromochloromethane	11.240	129	130038	14.770	ug/l	99
54) 1,2-Dibromoethane	11.347	107	174650	22.445	ug/l	99
55) 2-Chloroethyl vinyl ether	10.041	63	132187	38.905	ug/l	99
56) Bromoform	12.460	173	116292	18.545	ug/l #	97
58) 4-Methyl-2-Pentanone	10.331	43	889828	55.684	ug/l	100
59) 2-Hexanone	11.084	43	658900	55.014	ug/l	99
61) Tetrachloroethene	10.980	164	106940	11.798	ug/l	97
62) Toluene	10.508	91	530962	11.318	ug/l	100
64) Chlorobenzene	11.771	112	463089	17.124	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	180470	16.116	ug/l	99
66) Ethyl Benzene	11.846	91	860890	16.041	ug/l	99
67) m/p-Xylenes	11.956	106	639284	31.181	ug/l	96
68) o-Xylene	12.283	106	296086	13.941	ug/l	94
69) Styrene	12.296	104	472079	13.175	ug/l	98
70) Isopropylbenzene	12.581	105	742524	13.513	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.827	83	199567	12.707	ug/l	98
72) 1,2,3-Trichloropropane	12.881	75	157762m	10.529	ug/l	
73) Bromobenzene	12.862	156	150302	12.249	ug/l	95
74) n-propylbenzene	12.921	91	789662	12.518	ug/l	99
75) 2-Chlorotoluene	13.010	91	472560	13.029	ug/l	97
76) 1,3,5-Trimethylbenzene	13.061	105	550058	12.790	ug/l	98
77) t-1,4-Dichloro-2-butene	12.626	75	66199	12.359	ug/l	93
78) 4-Chlorotoluene	13.106	91	419905	11.929	ug/l	98
79) tert-butylbenzene	13.326	119	436164	12.027	ug/l	96
80) 1,2,4-Trimethylbenzene	13.369	105	497795m	12.698	ug/l	
81) sec-Butylbenzene	13.503	105	604569	12.600	ug/l	100
82) p-Isopropyltoluene	13.616	119	486583	11.306	ug/l	98
83) 1,3-Dichlorobenzene	13.619	146	235567	11.430	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	209231	11.038	ug/l	98
85) n-Butylbenzene	13.943	91	369240	10.770	ug/l	100
86) Hexachloroethane	14.211	117	80534	9.788	ug/l	96
87) 1,2-Dichlorobenzene	13.989	146	205176	11.032	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.603	75	29609	9.978	ug/l	97
89) 1,2,4-Trichlorobenzene	15.268	180	103685	11.115	ug/l	99
90) Hexachlorobutadiene	15.373	225	59310	11.509	ug/l	99
91) Naphthalene	15.509	128	255671	10.538	ug/l	99
92) 1,2,3-Trichlorobenzene	15.703	180	99139	11.165	ug/l	100

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

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