

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092821\
 Data File : VN068716.D
 Acq On : 28 Sep 2021 11:37
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 9/30/2021 12:17:17 PM

Quant Time: Sep 28 12:26:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Sep 28 12:20:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	112600	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	623671	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	597849	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	277763	35.563	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 118.533%#			
60) 4-Bromofluorobenzene	12.733	95	301703	31.018	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.400%			
63) Toluene-d8	10.443	98	817631	28.447	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 94.833%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	207998	30.916	ug/l	94
3) Chloromethane	2.303	50	350174	35.494	ug/l	99
4) Vinyl Chloride	2.443	62	429554	44.021	ug/l	98
5) Bromomethane	2.856	94	270483	46.458	ug/l	98
6) Chloroethane	3.019	64	285701	50.733	ug/l	97
7) Trichlorofluoromethane	3.376	101	552012	54.563	ug/l	97
8) Diethyl Ether	3.827	74	193985	41.821	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.215	101	305447	49.409	ug/l	93
10) 1,1-Dichloroethene	4.186	96	281420	42.736	ug/l	85
11) Methyl Iodide	4.427	142	382227	41.204	ug/l	90
12) Methyl Acetate	4.854	43	598851	75.090	ug/l	92
13) Acrolein	4.041	56	111924	104.519	ug/l	100
14) Acrylonitrile	5.551	53	914357	257.981	ug/l	99
15) Acetone	4.283	58	282831	260.820	ug/l #	39
16) Carbon Disulfide	4.537	76	811923	39.311	ug/l	98
17) Allyl chloride	4.843	41	581837	46.565	ug/l	85
18) Methylene Chloride	5.098	84	347410	44.767	ug/l #	87
19) trans-1,2-Dichloroethene	5.602	96	327421	45.476	ug/l	88
20) Diisopropyl ether	6.495	45	1325148	52.561	ug/l	94
21) 1,1-Dichloroethane	6.391	63	665036	47.816	ug/l	98
22) cis-1,2-Dichloroethene	7.327	96	400659	48.431	ug/l	92
23) tert-Butyl Alcohol	5.363	59	303153	239.077	ug/l #	100
24) Methyl tert-Butyl Ether	5.615	73	1147334	52.140	ug/l #	91
25) Chloroform	7.820	83	711915	56.411	ug/l	99
26) Cyclohexane	8.099	56	611596	46.995	ug/l #	93
29) 1,1-Dichloropropene	8.225	75	533467	52.974	ug/l	97
30) 2-Butanone	7.335	43	1447651	321.109	ug/l	92
31) 2,2-Dichloropropane	7.329	77	617024	58.540	ug/l	95
32) 1,1,1-Trichloroethane	8.016	97	633030	63.378	ug/l	98
33) Carbon Tetrachloride	8.209	117	569930	69.059	ug/l	99
34) Benzene	8.464	78	1534167	49.318	ug/l #	91
35) Methacrylonitrile	7.638	41	274102	57.866	ug/l	91
36) 1,2-Dichloroethane	8.531	62	594107	63.587	ug/l	96
37) Trichloroethene	9.217	130	385300	51.295	ug/l	91
38) Methylcyclohexane	9.461	83	642025	53.770	ug/l	95
39) 1,2-Dichloropropane	9.491	63	407527	48.219	ug/l	100
40) Dibromomethane	9.579	93	274058	57.209	ug/l	85
41) Bromodichloromethane	9.764	83	575291	59.295	ug/l	99
42) Vinyl Acetate	6.433	43	5170038	261.807	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.412	43	579246m	62.727	ug/l	
44) Isopropyl Acetate	8.560	43	966499	60.529	ug/l	94
45) 1,4-Dioxane	9.569	88	125103	944.654	ug/l	96
46) Methyl methacrylate	9.561	41	432301	56.495	ug/l	84
47) n-amyl Acetate	12.387	43	833305	62.384	ug/l	92
48) t-1,3-Dichloropropene	10.719	75	644360	56.210	ug/l	97
49) cis-1,3-Dichloropropene	10.191	75	665211	51.219	ug/l #	84
50) 1,1,2-Trichloroethane	10.899	97	386452	55.121	ug/l	96
51) Ethyl methacrylate	10.762	69	644047	57.046	ug/l	83
52) 1,3-Dichloropropane	11.046	76	672536	53.570	ug/l	100
53) Dibromochloromethane	11.240	129	447185	62.939	ug/l	100
54) 1,2-Dibromoethane	11.347	107	409116	58.227	ug/l	98
55) 2-Chloroethyl vinyl ether	10.043	63	969103	193.189	ug/l	98
56) Bromoform	12.460	173	336744	75.036	ug/l #	93
58) 4-Methyl-2-Pentanone	10.330	43	3038008	305.929	ug/l	92
59) 2-Hexanone	11.087	43	2304227	324.173	ug/l	92
61) Tetrachloroethene	10.979	164	375099	47.646	ug/l	93
62) Toluene	10.507	91	1776615	50.824	ug/l	99
64) Chlorobenzene	11.771	112	1087323	52.724	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	418075	58.290	ug/l	97
66) Ethyl Benzene	11.846	91	2037602	54.452	ug/l	98
67) m/p-Xylenes	11.953	106	1556514	111.709	ug/l	95
68) o-Xylene	12.283	106	764893	56.374	ug/l	95
69) Styrene	12.296	104	1280658	58.372	ug/l	97
70) Isopropylbenzene	12.581	105	2012078	57.732	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.830	83	582442	56.969	ug/l	99
72) 1,2,3-Trichloropropane	12.881	75	452683m	45.200	ug/l	
73) Bromobenzene	12.862	156	476697	60.716	ug/l	83
74) n-propylbenzene	12.921	91	2383433	59.163	ug/l	96
75) 2-Chlorotoluene	13.010	91	1404183	57.537	ug/l	95
76) 1,3,5-Trimethylbenzene	13.061	105	1690104	57.912	ug/l	97
77) t-1,4-Dichloro-2-butene	12.626	75	196845	50.338	ug/l	88
78) 4-Chlorotoluene	13.106	91	1393444	57.396	ug/l	96
79) tert-butylbenzene	13.323	119	1479223	61.371	ug/l	95
80) 1,2,4-Trimethylbenzene	13.369	105	1675719	57.369	ug/l	98
81) sec-Butylbenzene	13.503	105	2104179	65.376	ug/l	98
82) p-Isopropyltoluene	13.616	119	1756580	61.281	ug/l	97
83) 1,3-Dichlorobenzene	13.616	146	868629	63.236	ug/l	97
84) 1,4-Dichlorobenzene	13.696	146	835071	61.980	ug/l	97
85) n-Butylbenzene	13.943	91	1488608	59.526	ug/l	98
86) Hexachloroethane	14.211	117	324333	65.186	ug/l	81
87) 1,2-Dichlorobenzene	13.989	146	810386	59.027	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.605	75	111218	56.441	ug/l #	76
89) 1,2,4-Trichlorobenzene	15.265	180	425064	59.372	ug/l	96
90) Hexachlorobutadiene	15.372	225	231607	71.334	ug/l	98
91) Naphthalene	15.507	128	1062881	46.377	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	397603	55.360	ug/l	97

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

