

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020923\
 Data File : VN076595.D
 Acq On : 09 Feb 2023 18:14
 Operator : JC\MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050

Quant Time: Feb 10 05:14:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020923W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 10 05:08:19 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/10/2023
 Supervised By : Semsettin Yesilyurt 02/10/2023

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

Internal Standards						
1) Bromochloromethane	7.828	128	29793	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.104	114	208764	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.868	117	231565	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.580	65	99969	28.469	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.900%		
60) 4-Bromofluorobenzene	12.851	95	149504	28.598	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	95.333%		
63) Toluene-d8	10.569	98	248684	29.248	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.140	85	210383	51.019	ug/l	97
3) Chloromethane	2.375	50	212047	42.766	ug/l	98
4) Vinyl Chloride	2.528	62	181287	41.875	ug/l	99
5) Bromomethane	2.951	94	94933	43.678	ug/l	93
6) Chloroethane	3.122	64	100758	49.966	ug/l	93
7) Trichlorofluoromethane	3.510	101	346309	47.109	ug/l	94
8) Diethyl Ether	3.975	74	117699	50.479	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.387	101	177913	50.277	ug/l	98
10) 1,1-Dichloroethene	4.351	96	164137	49.358	ug/l #	76
11) Methyl Iodide	4.604	142	246831	51.046	ug/l	82
12) Methyl Acetate	5.040	43	337957	48.428	ug/l	92
13) Acrolein	4.193	56	219337	245.390	ug/l	97
14) Acrylonitrile	5.728	53	510347	249.618	ug/l	98
15) Acetone	4.445	58	136741	231.766	ug/l	79
16) Carbon Disulfide	4.728	76	464072	50.778	ug/l	99
17) Allyl chloride	5.034	41	318511	49.683	ug/l	90
18) Methylene Chloride	5.292	84	189133	48.064	ug/l	88
19) trans-1,2-Dichloroethene	5.798	96	171069m	50.055	ug/l	
20) Diisopropyl ether	6.686	45	686620	46.920	ug/l	92
21) 1,1-Dichloroethane	6.581	63	366508	45.928	ug/l	99
22) cis-1,2-Dichloroethene	7.492	96	199955	48.849	ug/l	89
23) tert-Butyl Alcohol	5.534	59	177935	259.357	ug/l #	100
24) Methyl tert-Butyl Ether	5.810	73	614397	51.283	ug/l	94
25) Chloroform	7.975	83	369434	46.786	ug/l	98
26) Cyclohexane	8.263	56	332056	46.892	ug/l #	96
29) 1,1-Dichloropropene	8.375	75	275469	50.978	ug/l	94
30) 2-Butanone	7.492	43	741346	254.164	ug/l	96
31) 2,2-Dichloropropane	7.504	77	294305	52.456	ug/l	95
32) 1,1,1-Trichloroethane	8.175	97	338517	50.491	ug/l	98
33) Carbon Tetrachloride	8.369	117	296499	51.259	ug/l	96
34) Benzene	8.610	78	783390	47.182	ug/l #	92
35) Methacrylonitrile	7.781	41	178563	53.242	ug/l	87
36) 1,2-Dichloroethane	8.680	62	319163	50.127	ug/l	95
37) Trichloroethene	9.357	130	177749	52.287	ug/l	86
38) Methylcyclohexane	9.604	83	327051	54.681	ug/l	92
39) 1,2-Dichloropropane	9.622	63	201859	50.945	ug/l	99
40) Dibromomethane	9.710	93	134450	51.579	ug/l	96
41) Bromodichloromethane	9.892	83	289079	52.743	ug/l #	95
42) Vinyl Acetate	6.616	43	2405881m	253.731	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.569	43	297607	50.043	ug/l	100
44) Isopropyl Acetate	8.692	43	493962	50.490	ug/l	100
45) 1,4-Dioxane	9.692	88	80448	1008.715	ug/l	88
46) Methyl methacrylate	9.686	41	249254	52.840	ug/l	86
47) n-amyl Acetate	12.498	43	442212	53.177	ug/l	94
48) t-1,3-Dichloropropene	10.839	75	299624	54.308	ug/l	99
49) cis-1,3-Dichloropropene	10.316	75	323874	53.103	ug/l #	84
50) 1,1,2-Trichloroethane	11.022	97	183883	51.943	ug/l	97
51) Ethyl methacrylate	10.874	69	313070	55.695	ug/l	90
52) 1,3-Dichloropropane	11.163	76	336400	50.978	ug/l	99
53) Dibromochloromethane	11.363	129	200039	54.380	ug/l	97
54) 1,2-Dibromoethane	11.474	107	188765	52.695	ug/l	96
55) 2-Chloroethyl vinyl ether	10.163	63	697630	271.706	ug/l	99
56) Bromoform	12.580	173	133998	56.560	ug/l #	96
58) 4-Methyl-2-Pentanone	10.445	43	1507468	232.873	ug/l	97
59) 2-Hexanone	11.198	43	1127813	239.621	ug/l	94
61) Tetrachloroethene	11.104	164	144161	48.702	ug/l	97
62) Toluene	10.633	91	817407	47.611	ug/l	100
64) Chlorobenzene	11.892	112	479011	48.163	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.963	131	181204	48.059	ug/l	98
66) Ethyl Benzene	11.969	91	926005	49.199	ug/l	100
67) m/p-Xylenes	12.074	106	698754	98.948	ug/l	95
68) o-Xylene	12.398	106	340870	48.995	ug/l	93
69) Styrene	12.416	104	558423	50.568	ug/l	93
70) Isopropylbenzene	12.698	105	918359	49.258	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.939	83	278668	42.871	ug/l	97
72) 1,2,3-Trichloropropane	12.998	75	272356m	46.010	ug/l	
73) Bromobenzene	12.980	156	192231	43.452	ug/l	96
74) n-propylbenzene	13.039	91	1091763	45.658	ug/l	99
75) 2-Chlorotoluene	13.127	91	677405	45.035	ug/l	95
76) 1,3,5-Trimethylbenzene	13.174	105	795637	45.700	ug/l	96
77) t-1,4-Dichloro-2-butene	12.739	75	86643	48.386	ug/l	72
78) 4-Chlorotoluene	13.221	91	672499	44.465	ug/l	92
79) tert-butylbenzene	13.439	119	684559	46.324	ug/l	92
80) 1,2,4-Trimethylbenzene	13.486	105	790011	46.011	ug/l	95
81) sec-Butylbenzene	13.621	105	962246	46.503	ug/l	100
82) p-Isopropyltoluene	13.733	119	802911	48.292	ug/l	96
83) 1,3-Dichlorobenzene	13.733	146	376450	46.006	ug/l	97
84) 1,4-Dichlorobenzene	13.815	146	363667	44.546	ug/l	96
85) n-Butylbenzene	14.057	91	715090	46.315	ug/l	99
86) Hexachloroethane	14.333	117	146517	45.385	ug/l	97
87) 1,2-Dichlorobenzene	14.110	146	375722	41.829	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.721	75	66500	50.188	ug/l #	82
89) 1,2,4-Trichlorobenzene	15.398	180	200618	53.553	ug/l	98
90) Hexachlorobutadiene	15.504	225	95605	52.828	ug/l	99
91) Naphthalene	15.645	128	699790	54.749	ug/l	99
92) 1,2,3-Trichlorobenzene	15.845	180	198948	53.210	ug/l	98

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

Manual Integrations

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