

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101322\
 Data File : VN074898.D
 Acq On : 13 Oct 2022 16:45
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Oct 14 05:06:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 13 07:52:24 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John

Carlone

10/14/2022

Supervised By :Mahesh

Dadoda

10/14/2022

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

Internal Standards						
1) Bromochloromethane	7.830	128	73776	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	416169	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	385932	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	209928	30.393	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.300%			
60) 4-Bromofluorobenzene	12.853	95	187188	27.351	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 91.167%			
63) Toluene-d8	10.571	98	680690	30.560	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.867%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.148	85	78184	19.084	ug/l	87
3) Chloromethane	2.383	50	133412	20.135	ug/l	99
4) Vinyl Chloride	2.536	62	196789	20.169	ug/l	93
5) Bromomethane	2.953	94	149245	19.293	ug/l	95
6) Chloroethane	3.130	64	162966	22.272	ug/l	95
7) Trichlorofluoromethane	3.512	101	145825	20.049	ug/l	95
8) Diethyl Ether	3.995	74	63935	18.850	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.389	101	91648	20.023	ug/l	98
10) 1,1-Dichloroethene	4.353	96	87071	19.339	ug/l	92
11) Methyl Iodide	4.612	142	106905	19.021	ug/l	93
12) Methyl Acetate	5.047	43	196923	18.146	ug/l	94
13) Acrolein	4.206	56	148781	97.031	ug/l	98
14) Acrylonitrile	5.742	53	395436	97.699	ug/l	99
15) Acetone	4.459	58	100583	90.672	ug/l	96
16) Carbon Disulfide	4.730	76	218062	18.852	ug/l	97
17) Allyl chloride	5.042	41	153276	17.099	ug/l	95
18) Methylene Chloride	5.300	84	113768	19.486	ug/l	91
19) trans-1,2-Dichloroethene	5.812	96	94897	19.200	ug/l	97
20) Diisopropyl ether	6.694	45	404750	19.342	ug/l #	96
21) 1,1-Dichloroethane	6.583	63	208659	19.599	ug/l	99
22) cis-1,2-Dichloroethene	7.500	96	121069	19.561	ug/l #	87
23) tert-Butyl Alcohol	5.553	59	146270	85.766	ug/l #	100
24) Methyl tert-Butyl Ether	5.818	73	366928m	19.513	ug/l	
25) Chloroform	7.977	83	211222	19.979	ug/l	96
26) Cyclohexane	8.259	56	184759	19.757	ug/l #	95
29) 1,1-Dichloropropene	8.383	75	144653	19.264	ug/l	97
30) 2-Butanone	7.500	43	563428	94.041	ug/l #	80
31) 2,2-Dichloropropane	7.500	77	169461	18.436	ug/l	98
32) 1,1,1-Trichloroethane	8.183	97	174246	19.350	ug/l	96
33) Carbon Tetrachloride	8.371	117	146946	19.870	ug/l	92
34) Benzene	8.618	78	476600	19.201	ug/l #	88
35) Methacrylonitrile	7.794	41	110551	17.954	ug/l	94
36) 1,2-Dichloroethane	8.677	62	168829	20.425	ug/l #	91
37) Trichloroethene	9.353	130	103551	20.060	ug/l	91
38) Methylcyclohexane	9.606	83	180474	19.784	ug/l	100
39) 1,2-Dichloropropane	9.630	63	126948	19.729	ug/l #	89
40) Dibromomethane	9.712	93	85771	20.116	ug/l	95
41) Bromodichloromethane	9.894	83	156307	18.823	ug/l	95
42) Vinyl Acetate	6.624	43	1810251m	101.432	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.577	43	202773	17.407	ug/l	100
44) Isopropyl Acetate	8.700	43	343116	19.048	ug/l	98
45) 1,4-Dioxane	9.700	88	59540	360.458	ug/l #	91
46) Methyl methacrylate	9.682	41	143865	18.441	ug/l	94
47) n-amyl Acetate	12.494	43	293771	18.639	ug/l	96
48) t-1,3-Dichloropropene	10.841	75	176573	18.533	ug/l	98
49) cis-1,3-Dichloropropene	10.318	75	191703	18.975	ug/l	93
50) 1,1,2-Trichloroethane	11.024	97	120629	19.225	ug/l	97
51) Ethyl methacrylate	10.876	69	201445	18.880	ug/l	96
52) 1,3-Dichloropropane	11.165	76	213854	19.746	ug/l	97
53) Dibromochloromethane	11.359	129	111640	18.160	ug/l	97
54) 1,2-Dibromoethane	11.476	107	121987	20.235	ug/l	93
55) 2-Chloroethyl vinyl ether	10.165	63	380483	91.165	ug/l	98
56) Bromoform	12.582	173	77833	17.570	ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	1152513	96.022	ug/l	98
59) 2-Hexanone	11.200	43	845527	91.535	ug/l	98
61) Tetrachloroethene	11.106	164	80153	19.481	ug/l	96
62) Toluene	10.635	91	518500	19.446	ug/l	97
64) Chlorobenzene	11.894	112	301344	19.884	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.965	131	107804	18.885	ug/l	97
66) Ethyl Benzene	11.965	91	563035	19.419	ug/l	99
67) m/p-Xylenes	12.076	106	433748	39.822	ug/l	93
68) o-Xylene	12.400	106	208016	18.788	ug/l	100
69) Styrene	12.412	104	337421	18.620	ug/l	98
70) Isopropylbenzene	12.700	105	542876	19.012	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	202628	18.970	ug/l	95
72) 1,2,3-Trichloropropane	12.994	75	180689m	20.135	ug/l	
73) Bromobenzene	12.988	156	114388	19.116	ug/l	92
74) n-propylbenzene	13.041	91	638520	19.179	ug/l	97
75) 2-Chlorotoluene	13.129	91	363030	18.639	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	442318	19.062	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	61793	16.574	ug/l	91
78) 4-Chlorotoluene	13.223	91	348910	18.773	ug/l	97
79) tert-butylbenzene	13.447	119	389677	18.878	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	450009	19.274	ug/l	95
81) sec-Butylbenzene	13.617	105	555084	18.711	ug/l	100
82) p-Isopropyltoluene	13.729	119	445467	18.899	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	208210	17.832	ug/l	99
84) 1,4-Dichlorobenzene	13.817	146	205118	18.290	ug/l	99
85) n-Butylbenzene	14.059	91	380592	18.292	ug/l	98
86) Hexachloroethane	14.335	117	86659	18.773	ug/l	97
87) 1,2-Dichlorobenzene	14.112	146	215393	18.580	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.729	75	40598	18.832	ug/l	90
89) 1,2,4-Trichlorobenzene	15.400	180	99607	18.813	ug/l	97
90) Hexachlorobutadiene	15.506	225	48436	18.763	ug/l	97
91) Naphthalene	15.647	128	370847	17.652	ug/l	98
92) 1,2,3-Trichlorobenzene	15.841	180	95139	17.177	ug/l	99

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

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