

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120820\
 Data File : VX019760.D
 Acq On : 08 Dec 2020 12:06
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 10:17:54 AM

Quant Time: Dec 09 06:04:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X120820W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Dec 09 05:54:44 2020
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.977	128	53493	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.830	114	295463	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.092	117	277921	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.031	65	109539	29.55	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.50%		
60) 4-Bromofluorobenzene	11.122	95	142121	30.45	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	101.50%		
63) Toluene-d8	8.695	98	355590	29.21	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.37%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	413841	145.55	ug/l	98
3) Chloromethane	1.313	50	432192	142.46	ug/l	99
4) Vinyl Chloride	1.392	62	511039	145.59	ug/l	99
5) Bromomethane	1.624	94	143570	105.68	ug/l	97
6) Chloroethane	1.697	64	324043	146.37	ug/l	95
7) Trichlorofluoromethane	1.904	101	719489	145.50	ug/l	97
8) Diethyl Ether	2.166	74	303748	147.95	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.361	101	401247	141.07	ug/l	99
10) 1,1-Dichloroethene	2.349	96	413254	143.12	ug/l	97
11) Methyl Iodide	2.489	142	601512	159.37	ug/l	97
12) Methyl Acetate	2.745	43	564871	150.24	ug/l	98
13) Acrolein	2.270	56	417816	784.31	ug/l	98
14) Acrylonitrile	3.117	53	1359810	744.06	ug/l	99
15) Acetone	2.422	58	389299	715.92	ug/l	97
16) Carbon Disulfide	2.544	76	1167365	147.70	ug/l	100
17) Allyl chloride	2.703	41	716166	150.67	ug/l	97
18) Methylene Chloride	2.831	84	517149	145.17	ug/l	97
19) trans-1,2-Dichloroethene	3.135	96	487212	145.47	ug/l	95
20) Diisopropyl ether	3.824	45	1445886	146.61	ug/l	97
21) 1,1-Dichloroethane	3.666	63	863241	146.19	ug/l	100
22) cis-1,2-Dichloroethene	4.562	96	572226	147.81	ug/l	98
23) tert-Butyl Alcohol	3.032	59	608023	3277.33	ug/l #	100
24) Methyl tert-Butyl Ether	3.166	73	1558494	148.27	ug/l	100
25) Chloroform	5.172	83	893022	146.57	ug/l	99
26) Cyclohexane	5.544	56	748978	147.76	ug/l #	99
29) 1,1-Dichloropropene	5.769	75	667804	145.63	ug/l	99
30) 2-Butanone	4.635	43	1781249	733.14	ug/l	99
31) 2,2-Dichloropropane	4.550	77	763201	147.43	ug/l	100
32) 1,1,1-Trichloroethane	5.458	97	781332	147.10	ug/l	99
33) Carbon Tetrachloride	5.751	117	677682	148.30	ug/l	99
34) Benzene	6.111	78	2030977	144.76	ug/l	100
35) Methacrylonitrile	5.001	41	379144	150.92	ug/l	97
36) 1,2-Dichloroethane	6.159	62	695820	144.38	ug/l	100
37) Trichloroethene	7.184	130	544557	147.93	ug/l	97
38) Methylcyclohexane	7.440	83	810002	148.45	ug/l	99
39) 1,2-Dichloropropane	7.488	63	517991	146.89	ug/l	98
40) Dibromomethane	7.635	93	355303	147.36	ug/l	99
41) Bromodichloromethane	7.872	83	724698	151.18	ug/l	99
42) Vinyl Acetate	3.782	43	6259950	735.42	ug/l	99
43) Ethyl Acetate	4.794	43	680355	147.77	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Isopropyl Acetate	6.409	43	1136373	151.60	ug/l	99
45) 1,4-Dioxane	7.714	88	268962	2965.26	ug/l	99
46) Methyl methacrylate	7.744	41	569011	154.10	ug/l	99
47) n-amyl Acetate	10.878	43	1032850	160.84	ug/l	98
48) t-1,3-Dichloropropene	9.019	75	838631	157.13	ug/l	99
49) cis-1,3-Dichloropropene	8.415	75	889013	152.29	ug/l	97
50) 1,1,2-Trichloroethane	9.195	97	530787	147.58	ug/l	98
51) Ethyl methacrylate	9.159	69	877761	159.01	ug/l	99
52) 1,3-Dichloropropane	9.354	76	889650	146.96	ug/l	99
53) Dibromochloromethane	9.567	129	595233	157.02	ug/l	100
54) 1,2-Dibromoethane	9.653	107	574644	150.81	ug/l	98
55) 2-Chloroethyl vinyl ether	8.293	63	2138928	748.96	ug/l	100
56) Bromoform	10.841	173	460169	163.04	ug/l	97
58) 4-Methyl-2-Pentanone	8.622	43	3526744	742.74	ug/l	99
59) 2-Hexanone	9.476	43	2731290	736.97	ug/l	99
61) Tetrachloroethene	9.317	164	457785	139.63	ug/l	96
62) Toluene	8.763	91	2178574	141.97	ug/l	99
64) Chlorobenzene	10.122	112	1410035	146.51	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.201	131	532332	149.17	ug/l	98
66) Ethyl Benzene	10.232	91	2529358	146.75	ug/l	99
67) m/p-Xylenes	10.342	106	1890499	290.39	ug/l	98
68) o-Xylene	10.683	106	940524	148.84	ug/l	99
69) Styrene	10.695	104	1633080	152.07	ug/l	98
70) Isopropylbenzene	11.000	105	2486713	147.67	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.250	83	846192	145.18	ug/l	99
72) 1,2,3-Trichloropropane	11.280	75	774604m	142.42	ug/l	
73) Bromobenzene	11.238	156	638654	149.01	ug/l	98
74) n-propylbenzene	11.341	91	2942223	151.09	ug/l	100
75) 2-Chlorotoluene	11.402	91	1754252	148.40	ug/l	99
76) 1,3,5-Trimethylbenzene	11.488	105	2157009	151.14	ug/l	99
77) t-1,4-Dichloro-2-butene	11.061	75	320580	163.29	ug/l	92
78) 4-Chlorotoluene	11.494	91	2048110	149.84	ug/l	99
79) tert-butylbenzene	11.756	119	2117038	151.50	ug/l	98
80) 1,2,4-Trimethylbenzene	11.792	105	2157532	150.54	ug/l	98
81) sec-Butylbenzene	11.927	105	2427571	150.12	ug/l	99
82) p-Isopropyltoluene	12.049	119	2245187	151.45	ug/l	99
83) 1,3-Dichlorobenzene	12.012	146	1161683	150.31	ug/l	99
84) 1,4-Dichlorobenzene	12.079	146	1150166	147.90	ug/l	99
85) n-Butylbenzene	12.372	91	2049420	157.25	ug/l	99
86) Hexachloroethane	12.579	117	417236	159.93	ug/l	98
87) 1,2-Dichlorobenzene	12.378	146	1112859	146.52	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.981	75	200834	158.44	ug/l	99
89) 1,2,4-Trichlorobenzene	13.628	180	781970	155.96	ug/l	98
90) Hexachlorobutadiene	13.768	225	326172	148.76	ug/l	98
91) Naphthalene	13.816	128	2601952	158.50	ug/l	100
92) 1,2,3-Trichlorobenzene	13.999	180	764195	155.24	ug/l	100

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

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