

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080321\
 Data File : VX023522.D
 Acq On : 03 Aug 2021 11:36
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 8/6/2021 5:39:22 PM

Quant Time: Aug 03 12:00:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 03 11:36:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.910	128	37762	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	211486	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.061	117	199225	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	88373	30.777	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.600%
60) 4-Bromofluorobenzene	11.085	95	101512	31.541	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	105.133%
63) Toluene-d8	8.653	98	267131	29.714	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.033%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	328415	146.273	ug/l	98
3) Chloromethane	1.294	50	362324	143.040	ug/l	99
4) Vinyl Chloride	1.374	62	372816	147.703	ug/l	99
5) Bromomethane	1.599	94	191409	125.290	ug/l	94
6) Chloroethane	1.666	64	232996	148.567	ug/l	98
7) Trichlorofluoromethane	1.874	101	601765	148.995	ug/l	96
8) Diethyl Ether	2.136	74	215673	148.837	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	328124	145.596	ug/l	99
10) 1,1-Dichloroethene	2.313	96	324726	149.288	ug/l	92
11) Methyl Iodide	2.447	142	499720	163.680	ug/l	98
12) Methyl Acetate	2.715	43	485661	148.488	ug/l	97
13) Acrolein	2.239	56	243098	653.127	ug/l	98
14) Acrylonitrile	3.075	53	1070088	732.494	ug/l	97
15) Acetone	2.392	58	295681	692.831	ug/l	96
16) Carbon Disulfide	2.508	76	853558	162.197	ug/l	99
17) Allyl chloride	2.660	41	614774	154.241	ug/l	98
18) Methylene Chloride	2.788	84	372865	144.771	ug/l	98
19) trans-1,2-Dichloroethene	3.093	96	349535	150.404	ug/l	97
20) Diisopropyl ether	3.776	45	1231719	153.342	ug/l	88
21) 1,1-Dichloroethane	3.611	63	660760	151.556	ug/l	99
22) cis-1,2-Dichloroethene	4.495	96	411847	150.361	ug/l	97
23) tert-Butyl Alcohol	2.995	59	485868	749.967	ug/l	# 100
24) Methyl tert-Butyl Ether	3.123	73	1174960	151.855	ug/l	100
25) Chloroform	5.105	83	681226	151.236	ug/l	99
26) Cyclohexane	5.477	56	606241	150.516	ug/l	# 99
29) 1,1-Dichloropropene	5.702	75	508059	155.496	ug/l	100
30) 2-Butanone	4.574	43	1625141	742.482	ug/l	99
31) 2,2-Dichloropropane	4.483	77	560066	155.337	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	612517	156.726	ug/l	99
33) Carbon Tetrachloride	5.684	117	540183	158.921	ug/l	99
34) Benzene	6.044	78	1471207	149.780	ug/l	98
35) Methacrylonitrile	4.934	41	344581	157.921	ug/l	98
36) 1,2-Dichloroethane	6.098	62	566268	152.148	ug/l	99
37) Trichloroethene	7.129	130	401702	151.337	ug/l	98
38) Methylcyclohexane	7.385	83	635184	152.570	ug/l	100
39) 1,2-Dichloropropane	7.440	63	393291	153.068	ug/l	96
40) Dibromomethane	7.586	93	275546	153.919	ug/l	98
41) Bromodichloromethane	7.830	83	529648	163.389	ug/l	100
42) Vinyl Acetate	3.733	43	5468134	768.167	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.727	43	629690	152.823	ug/l	99
44) Isopropyl Acetate	6.355	43	1015476	156.235	ug/l	100
45) 1,4-Dioxane	7.671	88	202075	3024.600	ug/l	97
46) Methyl methacrylate	7.702	41	496610	158.577	ug/l	96
47) n-amyl Acetate	10.848	43	892741	163.504	ug/l	98
48) t-1,3-Dichloropropene	8.982	75	642635	169.734	ug/l	98
49) cis-1,3-Dichloropropene	8.372	75	654450	161.651	ug/l	97
50) 1,1,2-Trichloroethane	9.159	97	406766	156.145	ug/l	96
51) Ethyl methacrylate	9.122	69	678402	162.326	ug/l	98
52) 1,3-Dichloropropane	9.311	76	662036	153.316	ug/l	99
53) Dibromochloromethane	9.525	129	443632	173.146	ug/l	98
54) 1,2-Dibromoethane	9.616	107	438178	158.132	ug/l	100
55) 2-Chloroethyl vinyl ether	8.251	63	1648732	796.490	ug/l	99
56) Bromoform	10.805	173	323864	178.107	ug/l	99
58) 4-Methyl-2-Pentanone	8.586	43	3146820	739.704	ug/l	99
59) 2-Hexanone	9.439	43	2396095	726.189	ug/l	99
61) Tetrachloroethene	9.281	164	381262	143.287	ug/l	96
62) Toluene	8.726	91	1666519	148.337	ug/l	100
64) Chlorobenzene	10.086	112	1058042	150.951	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	404404	160.399	ug/l	99
66) Ethyl Benzene	10.195	91	1887881	152.412	ug/l	99
67) m/p-Xylenes	10.305	106	1476681	311.621	ug/l	98
68) o-Xylene	10.646	106	735855	156.490	ug/l	100
69) Styrene	10.659	104	1236929	162.275	ug/l	99
70) Isopropylbenzene	10.963	105	1927289	157.855	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.220	83	599415	152.582	ug/l	100
72) 1,2,3-Trichloropropane	11.244	75	547634m	149.091	ug/l	
73) Bromobenzene	11.201	156	463359	153.208	ug/l	95
74) n-propylbenzene	11.311	91	2242429	158.769	ug/l	99
75) 2-Chlorotoluene	11.366	91	1322590	156.369	ug/l	99
76) 1,3,5-Trimethylbenzene	11.457	105	1595857	156.836	ug/l	99
77) t-1,4-Dichloro-2-butene	11.024	75	227220	176.343	ug/l	91
78) 4-Chlorotoluene	11.457	91	1510084	158.972	ug/l	99
79) tert-butylbenzene	11.719	119	1544945	156.008	ug/l	99
80) 1,2,4-Trimethylbenzene	11.756	105	1556355	154.620	ug/l	100
81) sec-Butylbenzene	11.896	105	1993390	157.625	ug/l	99
82) p-Isopropyltoluene	12.012	119	1651824	158.440	ug/l	99
83) 1,3-Dichlorobenzene	11.975	146	855916	158.875	ug/l	100
84) 1,4-Dichlorobenzene	12.043	146	853001	160.078	ug/l	98
85) n-Butylbenzene	12.335	91	1506214	163.215	ug/l	100
86) Hexachloroethane	12.542	117	287041	173.221	ug/l	99
87) 1,2-Dichlorobenzene	12.341	146	811181	156.652	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	151148	179.268	ug/l	99
89) 1,2,4-Trichlorobenzene	13.591	180	544284	169.906	ug/l	99
90) Hexachlorobutadiene	13.725	225	228968	159.693	ug/l	98
91) Naphthalene	13.780	128	1864811	167.965	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	544278	167.712	ug/l	98

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

