

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070822\
 Data File : VX029968.D
 Acq On : 08 Jul 2022 12:57
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/11/2022
 Supervised By : Mahesh Dadoda 07/11/2022

Quant Time: Jul 08 13:25:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X070822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 08 13:22:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.903	128	28990	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	176445	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	158082	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	73649	39.947	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	= 133.167%#		
60) 4-Bromofluorobenzene	11.085	95	90619	36.861	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	= 122.867%#		
63) Toluene-d8	8.653	98	258452	38.593	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	= 128.633%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	203234	198.134	ug/l	96
3) Chloromethane	1.288	50	202841	250.852	ug/l	97
4) Vinyl Chloride	1.373	62	232469	226.156	ug/l	100
5) Bromomethane	1.605	94	79199	93.519	ug/l	99
6) Chloroethane	1.678	64	129329	163.374	ug/l	97
7) Trichlorofluoromethane	1.879	101	296615	131.970	ug/l	97
8) Diethyl Ether	2.135	74	123745	139.595	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.324	101	197496	149.416	ug/l	96
10) 1,1-Dichloroethene	2.318	96	205611	188.130	ug/l	92
11) Methyl Iodide	2.452	142	216917	147.775	ug/l	91
12) Methyl Acetate	2.708	43	329401	188.795	ug/l	94
13) Acrolein	2.239	56	198810	561.550	ug/l	99
14) Acrylonitrile	3.068	53	716205	901.651	ug/l	97
15) Acetone	2.385	58	192691	856.532	ug/l	84
16) Carbon Disulfide	2.507	76	540802	418.680	ug/l	100
17) Allyl chloride	2.666	41	364708	222.076	ug/l	94
18) Methylene Chloride	2.788	84	232771	165.764	ug/l	97
19) trans-1,2-Dichloroethene	3.093	96	220920	182.975	ug/l	94
20) Diisopropyl ether	3.763	45	722576	177.022	ug/l	92
21) 1,1-Dichloroethane	3.611	63	385595	159.828	ug/l	99
22) cis-1,2-Dichloroethene	4.495	96	260743	153.404	ug/l	98
23) tert-Butyl Alcohol	3.001	59	296814	691.876	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	666698	138.734	ug/l	98
25) Chloroform	5.098	83	386674	136.398	ug/l	96
26) Cyclohexane	5.476	56	362866	237.899	ug/l #	93
29) 1,1-Dichloropropene	5.696	75	294677	157.018	ug/l	98
30) 2-Butanone	4.562	43	980761	829.170	ug/l	100
31) 2,2-Dichloropropane	4.483	77	283320	122.920	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	314700	119.259	ug/l	99
33) Carbon Tetrachloride	5.677	117	269359	119.956	ug/l	99
34) Benzene	6.043	78	931826	155.889	ug/l	98
35) Methacrylonitrile	4.928	41	201824	169.417	ug/l	94
36) 1,2-Dichloroethane	6.092	62	286818	128.754	ug/l	97
37) Trichloroethene	7.128	130	248189	135.552	ug/l	99
38) Methylcyclohexane	7.384	83	382809	199.172	ug/l	95
39) 1,2-Dichloropropane	7.433	63	239450	152.393	ug/l	98
40) Dibromomethane	7.586	93	159787	132.582	ug/l	93
41) Bromodichloromethane	7.823	83	293245	128.220	ug/l	100
42) Vinyl Acetate	3.727	43	3203850	873.997	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.720	43	375494	169.641	ug/l	99
44) Isopropyl Acetate	6.348	43	577286	161.758	ug/l	99
45) 1,4-Dioxane	7.677	88	133580	2874.346	ug/l	95
46) Methyl methacrylate	7.695	41	273670	167.791	ug/l	99
47) n-amyl Acetate	10.847	43	514390	166.480	ug/l	95
48) t-1,3-Dichloropropene	8.982	75	334600	139.295	ug/l	97
49) cis-1,3-Dichloropropene	8.372	75	367839	142.514	ug/l	98
50) 1,1,2-Trichloroethane	9.152	97	235572	124.299	ug/l	95
51) Ethyl methacrylate	9.122	69	381593	140.708	ug/l	97
52) 1,3-Dichloropropane	9.311	76	380103	128.197	ug/l	99
53) Dibromochloromethane	9.524	129	228224	117.705	ug/l	99
54) 1,2-Dibromoethane	9.616	107	250253	126.930	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	975536	685.152	ug/l	96
56) Bromoform	10.805	173	167702	112.204	ug/l	98
58) 4-Methyl-2-Pentanone	8.579	43	1843193	801.510	ug/l	98
59) 2-Hexanone	9.433	43	1484292	833.964	ug/l	98
61) Tetrachloroethene	9.274	164	220576	126.490	ug/l	97
62) Toluene	8.720	91	1014393	147.954	ug/l	97
64) Chlorobenzene	10.079	112	600795	124.210	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.164	131	213124	112.813	ug/l	95
66) Ethyl Benzene	10.195	91	1074266	132.899	ug/l	99
67) m/p-Xylenes	10.305	106	834627	257.579	ug/l	98
68) o-Xylene	10.646	106	423405	128.575	ug/l	95
69) Styrene	10.658	104	700634	127.389	ug/l	97
70) Isopropylbenzene	10.963	105	1054208	123.048	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	384932	132.328	ug/l	98
72) 1,2,3-Trichloropropane	11.244	75	346201m	133.753	ug/l	
73) Bromobenzene	11.201	156	253563	109.764	ug/l	90
74) n-propylbenzene	11.304	91	1283077	134.314	ug/l	99
75) 2-Chlorotoluene	11.365	91	746466	126.140	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	897166	124.884	ug/l	99
77) t-1,4-Dichloro-2-butene	11.024	75	130156	166.072	ug/l	78
78) 4-Chlorotoluene	11.457	91	863084	128.946	ug/l	100
79) tert-butylbenzene	11.719	119	869152	119.253	ug/l	98
80) 1,2,4-Trimethylbenzene	11.756	105	915097	126.899	ug/l	98
81) sec-Butylbenzene	11.890	105	1192318	138.012	ug/l	98
82) p-Isopropyltoluene	12.012	119	951342	126.864	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	496975	114.700	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	511626	116.140	ug/l	98
85) n-Butylbenzene	12.335	91	921620	152.282	ug/l	97
86) Hexachloroethane	12.542	117	169843	143.934	ug/l	85
87) 1,2-Dichlorobenzene	12.335	146	480372	110.086	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	12.944	75	94422	151.965	ug/l	92
89) 1,2,4-Trichlorobenzene	13.591	180	308415	113.156	ug/l	98
90) Hexachlorobutadiene	13.725	225	116939	101.198	ug/l	99
91) Naphthalene	13.774	128	1239413	130.126	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	317618	116.249	ug/l	99

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

