

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011923\
 Data File : VU052739.D
 Acq On : 19 Jan 2023 15:13
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/20/2023
 Supervised By : Mahesh Dadoda 01/20/2023

Quant Time: Jan 20 00:37:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U011923W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 20 00:33:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.372	168	226344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	364828	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	348361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.809	152	194195	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	455676	128.321	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 256.640%#			
35) Dibromofluoromethane	5.285	113	367944	145.920	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 291.840%#			
50) Toluene-d8	7.896	98	1410853	146.540	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 293.080%#			
62) 4-Bromofluorobenzene	10.629	95	543930	155.879	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 311.760%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	380899	136.627	ug/l	98
3) Chloromethane	1.520	50	365529	93.205	ug/l	98
4) Vinyl Chloride	1.604	62	403982	117.613	ug/l	99
5) Bromomethane	1.858	94	217791	111.898	ug/l	99
6) Chloroethane	1.932	64	241456	116.130	ug/l	100
7) Trichlorofluoromethane	2.134	101	596106	134.619	ug/l	99
8) Diethyl Ether	2.375	74	225218	125.604	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.578	101	355821	135.464	ug/l	98
10) Methyl Iodide	2.719	142	352716	133.598	ug/l	99
11) Tert butyl alcohol	3.272	59	375089m	539.727	ug/l	
12) 1,1-Dichloroethene	2.578	96	345538	133.465	ug/l	99
13) Acrolein	2.485	56	380557	473.709	ug/l	98
14) Allyl chloride	2.919	41	587329	117.699	ug/l	98
15) Acrylonitrile	3.314	53	1122420	604.420	ug/l	100
16) Acetone	2.636	43	1128160	625.517	ug/l	98
17) Carbon Disulfide	2.790	76	1025208	126.001	ug/l	99
18) Methyl Acetate	2.945	43	624531	119.489	ug/l	100
19) Methyl tert-butyl Ether	3.359	73	1256887	140.142	ug/l	99
20) Methylene Chloride	3.044	84	404994	105.678	ug/l	99
21) trans-1,2-Dichloroethene	3.350	96	383888	136.862	ug/l	97
22) Diisopropyl ether	3.986	45	1182287	122.743	ug/l	98
23) Vinyl Acetate	3.951	43	4790882	639.523	ug/l	100
24) 1,1-Dichloroethane	3.864	63	714318	124.791	ug/l	99
25) 2-Butanone	4.703	43	1519159	616.046	ug/l	99
26) 2,2-Dichloropropane	4.661	77	618486	137.336	ug/l	99
27) cis-1,2-Dichloroethene	4.661	96	436549	135.702	ug/l	99
28) Bromochloromethane	4.970	49	297458	114.351	ug/l	100
29) Tetrahydrofuran	5.051	42	887273	595.563	ug/l	100
30) Chloroform	5.086	83	715527	121.558	ug/l	99
31) Cyclohexane	5.385	56	646682	120.988	ug/l	99
32) 1,1,1-Trichloroethane	5.314	97	631258	136.102	ug/l	99
36) 1,1-Dichloropropene	5.523	75	553096	142.302	ug/l	99
37) Ethyl Acetate	4.800	43	556615	113.775	ug/l	99
38) Carbon Tetrachloride	5.523	117	559373	152.414	ug/l	98
39) Methylcyclohexane	6.761	83	702709	157.078	ug/l	99
40) Benzene	5.771	78	1604542	139.175	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.970	41	305722	134.165	ug/l	99
42) 1,2-Dichloroethane	5.790	62	574311	138.160	ug/l	100
43) Isopropyl Acetate	5.906	43	889971	138.997	ug/l	99
44) Trichloroethene	6.539	130	416429	151.556	ug/l	99
45) 1,2-Dichloropropane	6.787	63	416731	131.960	ug/l	98
46) Dibromomethane	6.915	93	287543	142.716	ug/l	99
47) Bromodichloromethane	7.102	83	581211	141.186	ug/l	100
48) Methyl methacrylate	6.957	41	431136	144.672	ug/l	98
49) 1,4-Dioxane	7.021	88	112800	1986.722	ug/l #	27
51) 4-Methyl-2-Pentanone	7.793	43	2816865	675.014	ug/l	99
52) Toluene	7.967	92	1032621	151.737	ug/l	99
53) t-1,3-Dichloropropene	8.208	75	675542	155.714	ug/l	99
54) cis-1,3-Dichloropropene	7.603	75	717259	152.681	ug/l	99
55) 1,1,2-Trichloroethane	8.398	97	400088	141.875	ug/l	99
56) Ethyl methacrylate	8.330	69	680072	165.325	ug/l	99
57) 1,3-Dichloropropane	8.571	76	713870	143.123	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.459	63	126789	866.457	ug/l	99
59) 2-Hexanone	8.687	43	2234868	699.914	ug/l	99
60) Dibromochloromethane	8.809	129	458156	155.566	ug/l	98
61) 1,2-Dibromoethane	8.922	107	439099	153.527	ug/l	100
64) Tetrachloroethene	8.552	164	354450	156.479	ug/l	98
65) Chlorobenzene	9.443	112	1098752	149.012	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.533	131	410398	153.196	ug/l	99
67) Ethyl Benzene	9.568	91	2000379	157.234	ug/l	100
68) m/p-Xylenes	9.690	106	1566309	325.212	ug/l	100
69) o-Xylene	10.099	106	759052	165.562	ug/l	98
70) Styrene	10.111	104	1288217	167.794	ug/l	100
71) Bromoform	10.288	173	360388	159.233	ug/l #	98
73) Isopropylbenzene	10.481	105	1986973	150.866	ug/l	100
74) N-amyl acetate	10.317	43	818606	139.205	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.780	83	689343	124.735	ug/l	100
76) 1,2,3-Trichloropropane	10.822	75	776983	128.768	ug/l	99
77) Bromobenzene	10.780	156	482031	145.764	ug/l	99
78) n-propylbenzene	10.902	91	2422545	152.016	ug/l	99
79) 2-Chlorotoluene	10.983	91	1397328	142.934	ug/l	99
80) 1,3,5-Trimethylbenzene	11.086	105	1723511	155.242	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.545	75	227085	145.390	ug/l	97
82) 4-Chlorotoluene	11.092	91	1647018	148.327	ug/l	99
83) tert-Butylbenzene	11.417	119	1734189	156.647	ug/l	99
84) 1,2,4-Trimethylbenzene	11.465	105	1728672	158.040	ug/l	100
85) sec-Butylbenzene	11.642	105	2225802	159.918	ug/l	100
86) p-Isopropyltoluene	11.790	119	1900530	166.385	ug/l	100
87) 1,3-Dichlorobenzene	11.742	146	946971	148.474	ug/l	99
88) 1,4-Dichlorobenzene	11.835	146	956115	146.953	ug/l	99
89) n-Butylbenzene	12.205	91	1727573	167.746	ug/l	99
90) Hexachloroethane	12.471	117	335217	150.494	ug/l	98
91) 1,2-Dichlorobenzene	12.208	146	932026	147.534	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.992	75	160445	135.953	ug/l	99
93) 1,2,4-Trichlorobenzene	13.835	180	652956	176.278	ug/l	100
94) Hexachlorobutadiene	14.018	225	321583	163.225	ug/l	99
95) Naphthalene	14.082	128	1915125	173.218	ug/l	100
96) 1,2,3-Trichlorobenzene	14.327	180	630889	169.708	ug/l	100

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

