

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011923\
 Data File : VU052738.D
 Acq On : 19 Jan 2023 14:35
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

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

Quant Time: Jan 20 00:37:12 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	220169	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	349494	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	329722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.809	152	181733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	296491	85.835	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 171.680%#			
35) Dibromofluoromethane	5.285	113	233864	96.815	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 193.640%#			
50) Toluene-d8	7.896	98	890961	96.601	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 193.200%#			
62) 4-Bromofluorobenzene	10.629	95	340177	101.765	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 203.540%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	247924	91.423	ug/l	99
3) Chloromethane	1.520	50	237158	62.168	ug/l	98
4) Vinyl Chloride	1.604	62	260926	78.095	ug/l	99
5) Bromomethane	1.858	94	134212	70.890	ug/l	98
6) Chloroethane	1.935	64	159848	79.036	ug/l	99
7) Trichlorofluoromethane	2.137	101	395005	91.706	ug/l	99
8) Diethyl Ether	2.375	74	145263	83.286	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.581	101	230117	90.064	ug/l	99
10) Methyl Iodide	2.719	142	217130	84.549	ug/l	100
11) Tert butyl alcohol	3.269	59	274817m	406.533	ug/l	
12) 1,1-Dichloroethene	2.578	96	224009	88.951	ug/l	99
13) Acrolein	2.488	56	244928	313.432	ug/l	99
14) Allyl chloride	2.922	41	385521	79.424	ug/l	99
15) Acrylonitrile	3.314	53	734383	406.554	ug/l	100
16) Acetone	2.639	43	734893	418.895	ug/l	100
17) Carbon Disulfide	2.790	76	666604	84.225	ug/l	99
18) Methyl Acetate	2.948	43	401058	78.885	ug/l	98
19) Methyl tert-butyl Ether	3.359	73	813523	93.252	ug/l	98
20) Methylene Chloride	3.044	84	265546	71.235	ug/l	98
21) trans-1,2-Dichloroethene	3.350	96	248448	91.060	ug/l	97
22) Diisopropyl ether	3.986	45	765548	81.707	ug/l	99
23) Vinyl Acetate	3.951	43	3089942	424.037	ug/l	100
24) 1,1-Dichloroethane	3.864	63	466083	83.708	ug/l	100
25) 2-Butanone	4.703	43	997981	416.049	ug/l	99
26) 2,2-Dichloropropane	4.661	77	396222	90.449	ug/l	99
27) cis-1,2-Dichloroethene	4.661	96	281253	89.880	ug/l	98
28) Bromochloromethane	4.970	49	192464	76.063	ug/l	99
29) Tetrahydrofuran	5.051	42	587223	405.216	ug/l	99
30) Chloroform	5.083	83	471616	82.368	ug/l	98
31) Cyclohexane	5.385	56	420455	80.869	ug/l	99
32) 1,1,1-Trichloroethane	5.311	97	414628	91.903	ug/l	98
36) 1,1-Dichloropropene	5.523	75	360731	96.882	ug/l	100
37) Ethyl Acetate	4.800	43	361106	77.051	ug/l	99
38) Carbon Tetrachloride	5.523	117	364623	103.709	ug/l	100
39) Methylcyclohexane	6.761	83	448629	104.683	ug/l	100
40) Benzene	5.771	78	1047917	94.883	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.967	41	197831	90.626	ug/l	98
42) 1,2-Dichloroethane	5.790	62	376928	94.655	ug/l	100
43) Isopropyl Acetate	5.906	43	564163	91.978	ug/l	100
44) Trichloroethene	6.539	130	266775	101.351	ug/l	99
45) 1,2-Dichloropropane	6.787	63	271477	89.736	ug/l	99
46) Dibromomethane	6.915	93	184996	95.847	ug/l	99
47) Bromodichloromethane	7.102	83	377577	95.744	ug/l	99
48) Methyl methacrylate	6.957	41	272768	95.546	ug/l	99
49) 1,4-Dioxane	7.028	88	96888	1781.338	ug/l	83
51) 4-Methyl-2-Pentanone	7.790	43	1819137	455.051	ug/l	100
52) Toluene	7.967	92	665922	102.146	ug/l	99
53) t-1,3-Dichloropropene	8.205	75	422159	101.578	ug/l	100
54) cis-1,3-Dichloropropene	7.603	75	455607	101.239	ug/l	99
55) 1,1,2-Trichloroethane	8.394	97	260067	96.268	ug/l	99
56) Ethyl methacrylate	8.330	69	425132	107.884	ug/l	99
57) 1,3-Dichloropropane	8.571	76	462502	96.795	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.459	63	65785	469.289	ug/l	100
59) 2-Hexanone	8.684	43	1446288	472.820	ug/l	99
60) Dibromochloromethane	8.806	129	291451	103.303	ug/l	100
61) 1,2-Dibromoethane	8.919	107	281590	102.775	ug/l	100
64) Tetrachloroethene	8.549	164	229970	107.264	ug/l	99
65) Chlorobenzene	9.443	112	701739	100.549	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.529	131	260271	102.648	ug/l	99
67) Ethyl Benzene	9.565	91	1269029	105.387	ug/l	99
68) m/p-Xylenes	9.690	106	994734	218.211	ug/l	99
69) o-Xylene	10.095	106	478460	110.260	ug/l	98
70) Styrene	10.111	104	813385	111.935	ug/l	99
71) Bromoform	10.285	173	226646	105.801	ug/l #	99
73) Isopropylbenzene	10.481	105	1266313	102.741	ug/l	100
74) N-amyl acetate	10.317	43	511951	93.027	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.777	83	441023	85.274	ug/l	100
76) 1,2,3-Trichloropropane	10.819	75	492389	87.198	ug/l	98
77) Bromobenzene	10.777	156	306868	99.159	ug/l	97
78) n-propylbenzene	10.902	91	1534349	102.884	ug/l	99
79) 2-Chlorotoluene	10.983	91	892119	97.513	ug/l	99
80) 1,3,5-Trimethylbenzene	11.086	105	1088763	104.793	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.542	75	136665	93.499	ug/l	97
82) 4-Chlorotoluene	11.092	91	1042589	100.332	ug/l	100
83) tert-Butylbenzene	11.417	119	1094851	105.678	ug/l	99
84) 1,2,4-Trimethylbenzene	11.462	105	1087475	106.237	ug/l	100
85) sec-Butylbenzene	11.639	105	1383661	106.229	ug/l	100
86) p-Isopropyltoluene	11.790	119	1196911	111.971	ug/l	99
87) 1,3-Dichlorobenzene	11.742	146	597045	100.028	ug/l	99
88) 1,4-Dichlorobenzene	11.832	146	611384	100.412	ug/l	98
89) n-Butylbenzene	12.205	91	1054367	109.399	ug/l	99
90) Hexachloroethane	12.471	117	206976	99.293	ug/l	99
91) 1,2-Dichlorobenzene	12.208	146	592451	100.212	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.992	75	101152	91.589	ug/l	99
93) 1,2,4-Trichlorobenzene	13.835	180	400113	115.425	ug/l	100
94) Hexachlorobutadiene	14.018	225	198674	107.756	ug/l	99
95) Naphthalene	14.082	128	1200952	116.072	ug/l	100
96) 1,2,3-Trichlorobenzene	14.323	180	392997	112.965	ug/l	99

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

