

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111121\
 Data File : VU045752.D
 Acq On : 11 Nov 2021 20:28
 Operator : SY/MD
 Sample : M4594-09MS 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 56BR-20211108MS

Quant Time: Nov 12 06:13:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/12/2021
 Supervised By : Mahesh Dadoda 11/17/2021

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

Internal Standards						
1) Pentafluorobenzene	5.375	168	95459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	171309	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	168564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	90180	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	90875	63.566	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 127.140%#			
35) Dibromofluoromethane	5.292	113	70603	61.730	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 123.460%			
50) Toluene-d8	7.899	98	256975	60.422	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 120.840%#			
62) 4-Bromofluorobenzene	10.636	95	100434	58.891	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.780%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	59042	47.704	ug/l	97
3) Chloromethane	1.520	50	66544	46.990	ug/l	99
4) Vinyl Chloride	1.604	62	72632	52.652	ug/l	98
5) Bromomethane	1.842	94	42837	55.674	ug/l	98
6) Chloroethane	1.925	64	43874	48.735	ug/l	97
7) Trichlorofluoromethane	2.134	101	93311	51.153	ug/l	100
8) Diethyl Ether	2.376	74	37799	52.347	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.578	101	53509	50.235	ug/l	98
10) Methyl Iodide	2.723	142	54551	39.135	ug/l	92
11) Tert butyl alcohol	3.179	59	87991	310.960	ug/l	99
12) 1,1-Dichloroethene	2.578	96	52061	49.572	ug/l	96
13) Acrolein	2.485	56	12160	296.547	ug/l	96
14) Allyl chloride	2.922	41	95973	51.179	ug/l	98
15) Acrylonitrile	3.311	53	216478	286.541	ug/l	100
16) Acetone	2.626	43	173188	237.980	ug/l	98
17) Carbon Disulfide	2.793	76	131538	44.716	ug/l	100
18) Methyl Acetate	2.948	43	140756	56.786	ug/l	99
19) Methyl tert-butyl Ether	3.366	73	205267	54.298	ug/l	99
20) Methylene Chloride	3.048	84	69312	54.813	ug/l	99
21) trans-1,2-Dichloroethene	3.353	96	56396	51.617	ug/l	99
22) Diisopropyl ether	3.993	45	207239	56.283	ug/l	100
23) Vinyl Acetate	3.957	43	802097	283.235	ug/l	100
24) 1,1-Dichloroethane	3.871	63	120081	54.727	ug/l	98
25) 2-Butanone	4.700	43	283624	280.997	ug/l	100
26) 2,2-Dichloropropane	4.668	77	84259	46.342	ug/l	98
27) cis-1,2-Dichloroethene	4.668	96	94111	73.337	ug/l	97
28) Bromochloromethane	4.977	49	57898	55.349	ug/l	97
29) Tetrahydrofuran	5.051	42	179292	290.398	ug/l	100
30) Chloroform	5.089	83	119037	54.855	ug/l	98
31) Cyclohexane	5.388	56	97529	46.755	ug/l	100
32) 1,1,1-Trichloroethane	5.318	97	100860	54.503	ug/l	97
36) 1,1-Dichloropropene	5.530	75	80334	48.093	ug/l	98
37) Ethyl Acetate	4.803	43	105706	55.090	ug/l	97
38) Carbon Tetrachloride	5.527	117	84611	50.243	ug/l	99
39) Methylcyclohexane	6.764	83	95149	46.431	ug/l	98
40) Benzene	5.777	78	250035	50.559	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.973	41	56822	56.036	ug/l	99
42) 1,2-Dichloroethane	5.797	62	95977	53.729	ug/l	100
43) Isopropyl Acetate	5.912	43	157676	53.725	ug/l	100
44) Trichloroethene	6.546	130	195358	165.029	ug/l	99
45) 1,2-Dichloropropane	6.793	63	70077	53.553	ug/l	98
46) Dibromomethane	6.919	93	48476	53.465	ug/l	100
47) Bromodichloromethane	7.108	83	95289	55.389	ug/l	97
48) Methyl methacrylate	6.961	41	73199	54.188	ug/l	96
49) 1,4-Dioxane	6.964	88	40479	1165.234	ug/l #	96
51) 4-Methyl-2-Pentanone	7.793	43	553204	285.743	ug/l	99
52) Toluene	7.970	92	159435	52.659	ug/l	99
53) t-1,3-Dichloropropene	8.211	75	99593	50.371	ug/l	99
54) cis-1,3-Dichloropropene	7.610	75	109811	52.289	ug/l	96
55) 1,1,2-Trichloroethane	8.404	97	69390	55.298	ug/l	98
56) Ethyl methacrylate	8.333	69	107016	47.666	ug/l	97
57) 1,3-Dichloropropane	8.578	76	120540	53.334	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.465	63	264384	228.856	ug/l	99
59) 2-Hexanone	8.684	43	420026	249.354	ug/l	99
60) Dibromochloromethane	8.813	129	72710	55.646	ug/l	99
61) 1,2-Dibromoethane	8.925	107	70943	52.713	ug/l	98
64) Tetrachloroethene	8.555	164	52186	53.940	ug/l	96
65) Chlorobenzene	9.449	112	162178	48.981	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.536	131	62425	52.863	ug/l	98
67) Ethyl Benzene	9.571	91	296045	49.928	ug/l	100
68) m/p-Xylenes	9.697	106	230956	103.281	ug/l	99
69) o-Xylene	10.102	106	113500	52.207	ug/l	99
70) Styrene	10.115	104	195265	53.091	ug/l	99
71) Bromoform	10.295	173	52824	47.431	ug/l #	100
73) Isopropylbenzene	10.488	105	298501	50.660	ug/l	100
74) N-amyl acetate	10.321	43	134019	50.418	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.784	83	119595	51.229	ug/l	100
76) 1,2,3-Trichloropropane	10.825	75	95634m	34.970	ug/l	
77) Bromobenzene	10.784	156	70258	49.111	ug/l	97
78) n-propylbenzene	10.909	91	363324	49.543	ug/l	100
79) 2-Chlorotoluene	10.989	91	213529	49.283	ug/l	98
80) 1,3,5-Trimethylbenzene	11.089	105	258863	50.283	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.549	75	32377	39.455	ug/l	99
82) 4-Chlorotoluene	11.099	91	251595	49.514	ug/l	100
83) tert-Butylbenzene	11.423	119	242839	49.484	ug/l	99
84) 1,2,4-Trimethylbenzene	11.468	105	258180	50.460	ug/l	100
85) sec-Butylbenzene	11.645	105	322187	49.502	ug/l	100
86) p-Isopropyltoluene	11.796	119	265388	48.795	ug/l	100
87) 1,3-Dichlorobenzene	11.748	146	136454	47.273	ug/l	100
88) 1,4-Dichlorobenzene	11.838	146	138169	47.328	ug/l	100
89) n-Butylbenzene	12.211	91	243872	46.548	ug/l	99
90) Hexachloroethane	12.478	117	43989	44.834	ug/l	100
91) 1,2-Dichlorobenzene	12.214	146	138449	49.300	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.999	75	27514	49.948	ug/l	96
93) 1,2,4-Trichlorobenzene	13.841	180	87936	45.287	ug/l	98
94) Hexachlorobutadiene	14.025	225	35758	42.662	ug/l	100
95) Naphthalene	14.089	128	336115	46.126	ug/l	99
96) 1,2,3-Trichlorobenzene	14.330	180	93585	48.523	ug/l	100

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

