

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060221\
 Data File : VY004921.D
 Acq On : 02 Jun 2021 12:48
 Operator : SY/MD
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 6/3/2021 5:40:32 PM

Quant Time: Jun 03 04:20:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 03 04:17:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	280258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	451073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	394500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	181861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	286209	95.666	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 191.340%#			
35) Dibromofluoromethane	7.728	113	237921	97.544	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 195.080%#			
50) Toluene-d8	10.185	98	1022264	100.426	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 200.860%#			
62) 4-Bromofluorobenzene	12.483	95	340180	98.965	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 197.920%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	246785	95.774	ug/l	98
3) Chloromethane	2.119	50	335539	94.914	ug/l	99
4) Vinyl Chloride	2.260	62	329810	97.086	ug/l	100
5) Bromomethane	2.650	94	181977	94.738	ug/l	97
6) Chloroethane	2.796	64	194771	96.779	ug/l	100
7) Trichlorofluoromethane	3.131	101	452416	95.186	ug/l	99
8) Diethyl Ether	3.540	74	175828	94.240	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	282162	96.378	ug/l	99
10) Methyl Iodide	4.101	142	291863	104.367	ug/l	99
11) Tert butyl alcohol	4.979	59	135393	391.720	ug/l	100
12) 1,1-Dichloroethene	3.881	96	286565	98.277	ug/l	98
13) Acrolein	3.741	56	141648	399.233	ug/l	100
14) Allyl chloride	4.491	41	524379	98.307	ug/l	100
15) Acrylonitrile	5.180	53	403008	457.253	ug/l	99
16) Acetone	3.961	43	307544	418.316	ug/l	97
17) Carbon Disulfide	4.204	76	850006	94.762	ug/l	98
18) Methyl Acetate	4.491	43	207573	88.902	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	725444	96.280	ug/l	98
20) Methylene Chloride	4.729	84	329218	77.641	ug/l	96
21) trans-1,2-Dichloroethene	5.229	96	319558	98.226	ug/l	99
22) Diisopropyl ether	6.131	45	940976	95.612	ug/l	99
23) Vinyl Acetate	6.076	43	3376266	473.607	ug/l	99
24) 1,1-Dichloroethane	6.033	63	575272	98.222	ug/l	100
25) 2-Butanone	7.003	43	554409	449.616	ug/l	99
26) 2,2-Dichloropropane	6.990	77	485918	97.652	ug/l	100
27) cis-1,2-Dichloroethene	6.997	96	358273	98.763	ug/l	100
28) Bromochloromethane	7.344	49	244703	94.069	ug/l	100
29) Tetrahydrofuran	7.362	42	349512	444.189	ug/l	100
30) Chloroform	7.515	83	545726	97.867	ug/l	97
31) Cyclohexane	7.795	56	491950	93.040	ug/l	100
32) 1,1,1-Trichloroethane	7.710	97	492932	100.490	ug/l	99
36) 1,1-Dichloropropene	7.923	75	455903	102.182	ug/l	99
37) Ethyl Acetate	7.088	43	260477	88.705	ug/l	99
38) Carbon Tetrachloride	7.911	117	422021	108.655	ug/l	99
39) Methylcyclohexane	9.185	83	490975	99.343	ug/l	98
40) Benzene	8.167	78	1278111	100.642	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	154609m	95.251	ug/l	
42) 1,2-Dichloroethane	8.246	62	363960	97.687	ug/l	99
43) Isopropyl Acetate	8.283	43	508344	95.260	ug/l	99
44) Trichloroethene	8.947	130	335624	99.432	ug/l	100
45) 1,2-Dichloropropane	9.222	63	328327	98.599	ug/l	97
46) Dibromomethane	9.313	93	175892	98.179	ug/l	100
47) Bromodichloromethane	9.502	83	426287	102.023	ug/l	99
48) Methyl methacrylate	9.301	41	232522	96.827	ug/l	99
49) 1,4-Dioxane	9.307	88	40687	1831.751	ug/l	100
51) 4-Methyl-2-Pentanone	10.075	43	1286667	460.573	ug/l	100
52) Toluene	10.246	92	786188	101.620	ug/l	100
53) t-1,3-Dichloropropene	10.472	75	465406	100.757	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	536416	101.935	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	244544	98.211	ug/l	99
56) Ethyl methacrylate	10.514	69	362123	101.675	ug/l	99
57) 1,3-Dichloropropane	10.795	76	438901	98.693	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	864027	482.536	ug/l	100
59) 2-Hexanone	10.837	43	881379	466.750	ug/l	100
60) Dibromochloromethane	10.990	129	285737	100.579	ug/l	100
61) 1,2-Dibromoethane	11.093	107	236760	98.548	ug/l	100
64) Tetrachloroethene	10.721	164	338003	101.585	ug/l	98
65) Chlorobenzene	11.520	112	800179	100.383	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	287910	101.767	ug/l	99
67) Ethyl Benzene	11.593	91	1507314	102.521	ug/l	100
68) m/p-Xylenes	11.703	106	1130714	206.687	ug/l	99
69) o-Xylene	12.032	106	533146	103.922	ug/l	100
70) Styrene	12.044	104	904329	105.920	ug/l	100
71) Bromoform	12.209	173	166205	99.732	ug/l #	99
73) Isopropylbenzene	12.331	105	1403269	100.130	ug/l	100
74) N-amyl acetate	12.148	43	440796	96.791	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.587	83	261163	93.093	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	189969m	99.932	ug/l	
77) Bromobenzene	12.611	156	310155	98.638	ug/l	98
78) n-propylbenzene	12.672	91	1692333	100.757	ug/l	100
79) 2-Chlorotoluene	12.758	91	931305	99.730	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	1152044	100.384	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	103024	93.940	ug/l	97
82) 4-Chlorotoluene	12.855	91	960051	100.086	ug/l	100
83) tert-Butylbenzene	13.075	119	998904	102.546	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	1148824	100.303	ug/l	99
85) sec-Butylbenzene	13.258	105	1417707	99.937	ug/l	100
86) p-Isopropyltoluene	13.373	119	1238463	101.990	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	591769	99.765	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	585462	99.122	ug/l	99
89) n-Butylbenzene	13.697	91	1177083	101.040	ug/l	100
90) Hexachloroethane	13.965	117	181850	100.586	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	516031	97.977	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	41797	88.200	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	324609	97.834	ug/l	100
94) Hexachlorobutadiene	15.111	225	173822	98.894	ug/l	99
95) Naphthalene	15.239	128	710206	97.788	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	285387	97.901	ug/l	99

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

