

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070821\
 Data File : VY005388.D
 Acq On : 08 Jul 2021 15:32
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 7/9/2021 5:44:44 PM

Quant Time: Jul 09 06:46:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070821S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 09 06:42:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	322714	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	469862	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	441750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	224871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	444970	164.657	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	329.320%#
35) Dibromofluoromethane	7.722	113	411985	150.959	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	301.920%#
50) Toluene-d8	10.185	98	1711161	155.779	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	311.560%#
62) 4-Bromofluorobenzene	12.483	95	586764	159.637	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	319.280%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	293652	137.857	ug/l	100
3) Chloromethane	2.113	50	378637	133.816	ug/l	99
4) Vinyl Chloride	2.253	62	454394	140.148	ug/l	98
5) Bromomethane	2.625	94	323115	154.035	ug/l	97
6) Chloroethane	2.778	64	304021	142.185	ug/l	98
7) Trichlorofluoromethane	3.119	101	659235	150.553	ug/l	99
8) Diethyl Ether	3.534	74	244828	150.549	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.899	101	381857	144.336	ug/l	99
10) Methyl Iodide	4.094	142	497014	134.659	ug/l	98
11) Tert butyl alcohol	4.978	59	218229	425.690	ug/l	99
12) 1,1-Dichloroethene	3.869	96	393567	146.916	ug/l	97
13) Acrolein	3.735	56	199319	1255.971	ug/l	100
14) Allyl chloride	4.479	41	600961	155.019	ug/l	100
15) Acrylonitrile	5.174	53	559603	740.853	ug/l	100
16) Acetone	3.954	43	415303	661.556	ug/l	99
17) Carbon Disulfide	4.192	76	1135897	136.680	ug/l	99
18) Methyl Acetate	4.485	43	235576	142.281	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	1152892	155.918	ug/l	100
20) Methylene Chloride	4.716	84	466681	103.055	ug/l	99
21) trans-1,2-Dichloroethene	5.222	96	447990	149.896	ug/l	99
22) Diisopropyl ether	6.131	45	1242530	153.996	ug/l	99
23) Vinyl Acetate	6.070	43	4012842	770.017	ug/l	100
24) 1,1-Dichloroethane	6.021	63	755169	151.474	ug/l	99
25) 2-Butanone	6.996	43	678293	743.926	ug/l	98
26) 2,2-Dichloropropane	6.984	77	688744	156.722	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	525016	155.455	ug/l	100
28) Bromochloromethane	7.338	49	302233	152.721	ug/l	100
29) Tetrahydrofuran	7.356	42	450939	751.949	ug/l	98
30) Chloroform	7.515	83	798696	155.859	ug/l	99
31) Cyclohexane	7.789	56	680948	141.926	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	734388	160.528	ug/l	99
36) 1,1-Dichloropropene	7.923	75	616896	148.722	ug/l	100
37) Ethyl Acetate	7.082	43	303512	142.982	ug/l	99
38) Carbon Tetrachloride	7.905	117	678290	154.508	ug/l	96
39) Methylcyclohexane	9.185	83	795136	148.931	ug/l	97
40) Benzene	8.167	78	1843036	150.624	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	178108m	155.569	ug/l	
42) 1,2-Dichloroethane	8.240	62	531940	157.716	ug/l	100
43) Isopropyl Acetate	8.283	43	588280	149.931	ug/l	99
44) Trichloroethene	8.941	130	510473	147.878	ug/l	99
45) 1,2-Dichloropropane	9.222	63	441962	151.067	ug/l	99
46) Dibromomethane	9.307	93	246493	145.459	ug/l	99
47) Bromodichloromethane	9.502	83	622945	155.118	ug/l	100
48) Methyl methacrylate	9.295	41	274923	157.636	ug/l	99
49) 1,4-Dioxane	9.301	88	75817	3293.340	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	1580044	763.070	ug/l	99
52) Toluene	10.246	92	1205343	153.284	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	696746	157.878	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	767618	155.420	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	371791	149.136	ug/l	99
56) Ethyl methacrylate	10.514	69	538919	159.571	ug/l	99
57) 1,3-Dichloropropane	10.794	76	640050	152.979	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	1095542	743.608	ug/l	99
59) 2-Hexanone	10.837	43	1110254	776.768	ug/l	99
60) Dibromochloromethane	10.990	129	467284	153.086	ug/l	99
61) 1,2-Dibromoethane	11.093	107	351719	146.010	ug/l	99
64) Tetrachloroethene	10.721	164	456092	140.618	ug/l	99
65) Chlorobenzene	11.520	112	1325306	150.440	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	506399	154.692	ug/l	99
67) Ethyl Benzene	11.593	91	2389630	156.800	ug/l	100
68) m/p-Xylenes	11.703	106	1889315	310.008	ug/l	100
69) o-Xylene	12.032	106	914698	158.294	ug/l	99
70) Styrene	12.044	104	1570619	161.213	ug/l	100
71) Bromoform	12.209	173	314009	142.657	ug/l #	99
73) Isopropylbenzene	12.331	105	2342041	159.521	ug/l	100
74) N-amyl acetate	12.148	43	570892	164.150	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	429183	149.265	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	294051m	147.577	ug/l	
77) Bromobenzene	12.611	156	575468	149.506	ug/l	98
78) n-propylbenzene	12.672	91	2775930	160.234	ug/l	100
79) 2-Chlorotoluene	12.758	91	1564364	160.181	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	1953116	160.516	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	162558	152.171	ug/l	98
82) 4-Chlorotoluene	12.855	91	1606622	158.913	ug/l	99
83) tert-Butylbenzene	13.075	119	1719536	159.344	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	1961367	162.685	ug/l	100
85) sec-Butylbenzene	13.257	105	2525866	159.962	ug/l	99
86) p-Isopropyltoluene	13.373	119	2208900	161.940	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	1135261	153.025	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	1098998	149.880	ug/l	100
89) n-Butylbenzene	13.696	91	1970681	163.886	ug/l	99
90) Hexachloroethane	13.965	117	390439	158.723	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	988403	150.438	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	73939	153.093	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	684632	149.390	ug/l	100
94) Hexachlorobutadiene	15.111	225	419812	146.299	ug/l	99
95) Naphthalene	15.239	128	1333875	157.014	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	593858	147.801	ug/l	99

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

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