

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070921\
 Data File : VY005396.D
 Acq On : 09 Jul 2021 13:07
 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
 7/12/2021 5:46:35 PM

Quant Time: Jul 10 07:34:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 10 07:30:20 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	350837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	505174	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	461437	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	234312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	446902	135.967	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 271.940%#			
35) Dibromofluoromethane	7.722	113	426312	143.794	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 287.580%#			
50) Toluene-d8	10.185	98	1752956	138.907	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 277.820%#			
62) 4-Bromofluorobenzene	12.483	95	585168	137.553	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 275.100%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	428785	137.177	ug/l	99
3) Chloromethane	2.113	50	446990	140.549	ug/l	100
4) Vinyl Chloride	2.253	62	539301	137.097	ug/l	100
5) Bromomethane	2.631	94	394615	134.822	ug/l	100
6) Chloroethane	2.790	64	345264	139.935	ug/l	98
7) Trichlorofluoromethane	3.119	101	805767	139.113	ug/l	99
8) Diethyl Ether	3.534	74	279264	139.020	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	465242	142.847	ug/l	99
10) Methyl Iodide	4.094	142	608087	153.414	ug/l	99
11) Tert butyl alcohol	4.978	59	227167	483.778	ug/l	99
12) 1,1-Dichloroethene	3.875	96	480110	143.546	ug/l	100
13) Acrolein	3.735	56	173641	705.358	ug/l	100
14) Allyl chloride	4.479	41	675494	145.180	ug/l	99
15) Acrylonitrile	5.174	53	629734	688.835	ug/l	99
16) Acetone	3.960	43	439603	624.654	ug/l	100
17) Carbon Disulfide	4.192	76	1499093	143.584	ug/l	99
18) Methyl Acetate	4.485	43	264597	135.663	ug/l	100
19) Methyl tert-butyl Ether	5.228	73	1315000	145.270	ug/l	99
20) Methylene Chloride	4.716	84	529493	108.626	ug/l	99
21) trans-1,2-Dichloroethene	5.222	96	533528	143.139	ug/l	99
22) Diisopropyl ether	6.125	45	1337814	144.327	ug/l	99
23) Vinyl Acetate	6.070	43	4386261	715.166	ug/l	99
24) 1,1-Dichloroethane	6.021	63	849650	145.223	ug/l	100
25) 2-Butanone	6.996	43	751640	677.812	ug/l	97
26) 2,2-Dichloropropane	6.984	77	759645	139.911	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	601703	145.760	ug/l	99
28) Bromochloromethane	7.338	49	304457	138.640	ug/l	98
29) Tetrahydrofuran	7.356	42	506479	688.528	ug/l	99
30) Chloroform	7.509	83	886708	141.394	ug/l	100
31) Cyclohexane	7.789	56	815289	139.959	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	835137	143.839	ug/l	99
36) 1,1-Dichloropropene	7.923	75	722189	146.435	ug/l	100
37) Ethyl Acetate	7.082	43	336865	135.846	ug/l	100
38) Carbon Tetrachloride	7.905	117	790878	143.441	ug/l	99
39) Methylcyclohexane	9.185	83	969636	149.409	ug/l	98
40) Benzene	8.167	78	2101435	145.377	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	199375m	137.248	ug/l	
42) 1,2-Dichloroethane	8.240	62	586441	140.476	ug/l	100
43) Isopropyl Acetate	8.277	43	662478	145.643	ug/l	100
44) Trichloroethene	8.941	130	605101	142.239	ug/l	98
45) 1,2-Dichloropropane	9.222	63	490665	145.293	ug/l	98
46) Dibromomethane	9.307	93	280906	141.962	ug/l	100
47) Bromodichloromethane	9.502	83	688412	143.668	ug/l	98
48) Methyl methacrylate	9.295	41	308563	146.739	ug/l	99
49) 1,4-Dioxane	9.307	88	88229	2855.453	ug/l	90
51) 4-Methyl-2-Pentanone	10.075	43	1770418	704.343	ug/l	99
52) Toluene	10.246	92	1384356	145.501	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	771181	144.121	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	847562	143.699	ug/l	100
55) 1,1,2-Trichloroethane	10.648	97	417524	142.197	ug/l	99
56) Ethyl methacrylate	10.514	69	609517	149.351	ug/l	100
57) 1,3-Dichloropropane	10.794	76	708509	142.933	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	1176626	674.353	ug/l	99
59) 2-Hexanone	10.837	43	1243263	708.197	ug/l	99
60) Dibromochloromethane	10.990	129	524083	142.855	ug/l	99
61) 1,2-Dibromoethane	11.093	107	399582	141.433	ug/l	99
64) Tetrachloroethene	10.721	164	565300	135.470	ug/l	99
65) Chlorobenzene	11.520	112	1479489	144.073	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	560568	146.786	ug/l	99
67) Ethyl Benzene	11.593	91	2673701	148.570	ug/l	100
68) m/p-Xylenes	11.703	106	2129954	295.832	ug/l	100
69) o-Xylene	12.032	106	1017802	148.614	ug/l	100
70) Styrene	12.044	104	1732219	149.237	ug/l	99
71) Bromoform	12.209	173	358762	142.105	ug/l #	99
73) Isopropylbenzene	12.331	105	2584029	151.541	ug/l	99
74) N-amyl acetate	12.148	43	625343	154.770	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	472791	149.405	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	330196m	151.141	ug/l	
77) Bromobenzene	12.611	156	644726	149.868	ug/l	98
78) n-propylbenzene	12.672	91	3028114	150.879	ug/l	100
79) 2-Chlorotoluene	12.758	91	1697779	150.540	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	2125129	149.398	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	178993	146.840	ug/l	99
82) 4-Chlorotoluene	12.855	91	1749877	149.276	ug/l	100
83) tert-Butylbenzene	13.075	119	1876953	148.420	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	2137925	150.422	ug/l	100
85) sec-Butylbenzene	13.257	105	2750637	148.857	ug/l	100
86) p-Isopropyltoluene	13.373	119	2407842	150.074	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	1269200	148.814	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	1218100	144.491	ug/l	100
89) n-Butylbenzene	13.696	91	2131761	149.908	ug/l	100
90) Hexachloroethane	13.965	117	430041	149.717	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	1096908	145.493	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	85451	142.767	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	776393	150.120	ug/l	100
94) Hexachlorobutadiene	15.117	225	477183	147.719	ug/l	99
95) Naphthalene	15.239	128	1573733	154.267	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	690095	151.042	ug/l	99

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

