

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060221\
 Data File : VY004922.D
 Acq On : 02 Jun 2021 13:10
 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
 6/3/2021 5:40:33 PM

Quant Time: Jun 03 04:21:09 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	281020	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	468448	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	418257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	186180	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	433074	144.364	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 288.720%#	
35) Dibromofluoromethane	7.728	113	315107	124.397	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 248.800%#	
50) Toluene-d8	10.185	98	1484632	140.438	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 280.880%#	
62) 4-Bromofluorobenzene	12.483	95	499640	139.964	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 279.920%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	356469	137.965	ug/l	98
3) Chloromethane	2.119	50	492013	138.798	ug/l	100
4) Vinyl Chloride	2.259	62	464730	136.432	ug/l	100
5) Bromomethane	2.637	94	252127	130.902	ug/l	96
6) Chloroethane	2.790	64	286244	141.845	ug/l	98
7) Trichlorofluoromethane	3.131	101	645408	135.422	ug/l	97
8) Diethyl Ether	3.540	74	266506	142.454	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.906	101	413743	140.939	ug/l	99
10) Methyl Iodide	4.101	142	430814	153.636	ug/l	99
11) Tert butyl alcohol	4.985	59	231905	669.130	ug/l	99
12) 1,1-Dichloroethene	3.881	96	409727	140.134	ug/l	99
13) Acrolein	3.741	56	212832	598.237	ug/l	98
14) Allyl chloride	4.491	41	757956	141.711	ug/l	100
15) Acrylonitrile	5.180	53	639915	724.079	ug/l	99
16) Acetone	3.960	43	491842	667.181	ug/l	100
17) Carbon Disulfide	4.204	76	1183947	131.634	ug/l	99
18) Methyl Acetate	4.491	43	340449	145.416	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	1109618	146.868	ug/l	97
20) Methylene Chloride	4.729	84	469457	110.414	ug/l	96
21) trans-1,2-Dichloroethene	5.228	96	459583	140.884	ug/l	98
22) Diisopropyl ether	6.131	45	1367330	138.556	ug/l	99
23) Vinyl Acetate	6.076	43	5050233	706.502	ug/l	99
24) 1,1-Dichloroethane	6.027	63	832565	141.767	ug/l	100
25) 2-Butanone	7.003	43	912123	737.710	ug/l	99
26) 2,2-Dichloropropane	6.990	77	703407	140.976	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	519732	142.883	ug/l	99
28) Bromochloromethane	7.344	49	351807	134.876	ug/l	98
29) Tetrahydrofuran	7.362	42	574786	728.505	ug/l	98
30) Chloroform	7.521	83	796363	142.428	ug/l	98
31) Cyclohexane	7.789	56	706275	133.212	ug/l	99
32) 1,1,1-Trichloroethane	7.710	97	703446	143.016	ug/l	99
36) 1,1-Dichloropropene	7.929	75	636850	137.444	ug/l	99
37) Ethyl Acetate	7.088	43	417986	137.065	ug/l	99
38) Carbon Tetrachloride	7.911	117	593503	147.137	ug/l	99
39) Methylcyclohexane	9.185	83	736506	143.496	ug/l	99
40) Benzene	8.167	78	1857657	140.851	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	245194m	145.455	ug/l	
42) 1,2-Dichloroethane	8.246	62	541480	139.943	ug/l	100
43) Isopropyl Acetate	8.283	43	804607	145.185	ug/l	100
44) Trichloroethene	8.947	130	497550	141.936	ug/l	98
45) 1,2-Dichloropropane	9.222	63	486940	140.808	ug/l	99
46) Dibromomethane	9.313	93	266465	143.218	ug/l	100
47) Bromodichloromethane	9.502	83	626789	144.445	ug/l	99
48) Methyl methacrylate	9.301	41	370255	148.464	ug/l	98
49) 1,4-Dioxane	9.307	88	67087	2908.269	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	2107167	726.300	ug/l	100
52) Toluene	10.246	92	1143931	142.376	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	698539	145.620	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	790104	144.574	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	364481	140.950	ug/l	99
56) Ethyl methacrylate	10.514	69	562212	152.000	ug/l	99
57) 1,3-Dichloropropane	10.794	76	644777	139.610	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	1350531	726.260	ug/l	100
59) 2-Hexanone	10.837	43	1439634	734.107	ug/l	99
60) Dibromochloromethane	10.990	129	427810	145.003	ug/l	100
61) 1,2-Dibromoethane	11.093	107	356474	142.874	ug/l	100
64) Tetrachloroethene	10.721	164	489716	138.822	ug/l	98
65) Chlorobenzene	11.520	112	1191714	141.010	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	433220	144.432	ug/l	99
67) Ethyl Benzene	11.593	91	2231396	143.150	ug/l	100
68) m/p-Xylenes	11.703	106	1661828	286.517	ug/l	100
69) o-Xylene	12.032	106	788774	145.016	ug/l	99
70) Styrene	12.044	104	1339123	147.937	ug/l	100
71) Bromoform	12.209	173	261512	148.009	ug/l	100
73) Isopropylbenzene	12.331	105	2095801	146.076	ug/l	99
74) N-amyl acetate	12.148	43	687579	147.478	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	413084	143.831	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	292649m	150.375	ug/l	
77) Bromobenzene	12.611	156	461191	143.269	ug/l	98
78) n-propylbenzene	12.672	91	2511870	146.080	ug/l	100
79) 2-Chlorotoluene	12.758	91	1366780	142.968	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	1683100	143.256	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	165456	147.368	ug/l	98
82) 4-Chlorotoluene	12.855	91	1408365	143.417	ug/l	100
83) tert-Butylbenzene	13.075	119	1417476	142.141	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	1678888	143.182	ug/l	99
85) sec-Butylbenzene	13.257	105	2091299	144.000	ug/l	100
86) p-Isopropyltoluene	13.373	119	1836866	147.760	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	869611	143.205	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	860795	142.357	ug/l	99
89) n-Butylbenzene	13.696	91	1721775	144.367	ug/l	100
90) Hexachloroethane	13.965	117	269715	145.725	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	768254	142.482	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	72047	148.506	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	498148	146.653	ug/l	99
94) Hexachlorobutadiene	15.111	225	259141	144.014	ug/l	100
95) Naphthalene	15.239	128	1145618	154.081	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	440822	147.714	ug/l	99

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

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