

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010721\
 Data File : VY003880.D
 Acq On : 07 Jan 2021 14:48
 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
 1/8/2021 2:30:51 PM

Quant Time: Jan 08 04:02:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010721S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 08 03:54:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	264285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	362127	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	341210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	187922	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	460421	136.20	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 272.40%#			
35) Dibromofluoromethane	7.722	113	405922	142.32	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 284.64%#			
50) Toluene-d8	10.179	98	1616312	143.49	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 286.98%#			
62) 4-Bromofluorobenzene	12.477	95	566802	142.74	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 285.48%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	314093	112.65	ug/l	99
3) Chloromethane	2.119	50	399587	111.68	ug/l	98
4) Vinyl Chloride	2.253	62	455786	120.00	ug/l	98
5) Bromomethane	2.631	94	361923	117.22	ug/l	100
6) Chloroethane	2.790	64	297782	129.24	ug/l	100
7) Trichlorofluoromethane	3.125	101	659273	128.08	ug/l	99
8) Diethyl Ether	3.534	74	208031	128.22	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.905	101	358894	128.48	ug/l	99
10) Methyl Iodide	4.094	142	507093	182.16	ug/l	99
11) Tert butyl alcohol	4.966	59	170736	595.35	ug/l	99
12) 1,1-Dichloroethene	3.875	96	350361	130.90	ug/l	97
13) Acrolein	3.735	56	220167	660.62	ug/l	100
14) Allyl chloride	4.485	41	662639	138.87	ug/l	99
15) Acrylonitrile	5.174	53	532472	631.92	ug/l	99
16) Acetone	3.954	43	447990	638.31	ug/l	96
17) Carbon Disulfide	4.198	76	1088696	128.93	ug/l	99
18) Methyl Acetate	4.485	43	246949	124.63	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	1035550	133.63	ug/l	99
20) Methylene Chloride	4.722	84	397516	111.79	ug/l	96
21) trans-1,2-Dichloroethene	5.228	96	404341	131.94	ug/l	97
22) Diisopropyl ether	6.125	45	1296057	133.59	ug/l	95
23) Vinyl Acetate	6.070	43	4363048	680.42	ug/l	99
24) 1,1-Dichloroethane	6.027	63	706070	132.79	ug/l	100
25) 2-Butanone	6.990	43	708179	652.70	ug/l	100
26) 2,2-Dichloropropane	6.990	77	653295	131.36	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	453091	135.33	ug/l	99
28) Bromochloromethane	7.338	49	321107	136.05	ug/l	99
29) Tetrahydrofuran	7.356	42	474586	634.37	ug/l	98
30) Chloroform	7.515	83	735626	131.00	ug/l	100
31) Cyclohexane	7.789	56	667810	128.45	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	683936	132.10	ug/l	100
36) 1,1-Dichloropropene	7.923	75	573175	135.61	ug/l	100
37) Ethyl Acetate	7.082	43	318962	129.45	ug/l	99
38) Carbon Tetrachloride	7.905	117	643392	134.67	ug/l	98
39) Methylcyclohexane	9.185	83	726613	140.93	ug/l	99
40) Benzene	8.167	78	1603366	134.62	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	176236m	81.69	ug/l	
42) 1,2-Dichloroethane	8.240	62	514414	131.52	ug/l	99
43) Isopropyl Acetate	8.277	43	627744	134.55	ug/l	100
44) Trichloroethene	8.941	130	476201	134.35	ug/l	100
45) 1,2-Dichloropropane	9.216	63	407210	133.96	ug/l	95
46) Dibromomethane	9.307	93	228663	133.29	ug/l	99
47) Bromodichloromethane	9.496	83	581497	134.81	ug/l	100
48) Methyl methacrylate	9.295	41	307200	137.69	ug/l	96
49) 1,4-Dioxane	9.301	88	60688	2667.00	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	1617667	656.74	ug/l	98
52) Toluene	10.246	92	1054024	137.25	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	624473	136.42	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	697959	137.53	ug/l	100
55) 1,1,2-Trichloroethane	10.642	97	325235	132.26	ug/l	98
56) Ethyl methacrylate	10.508	69	462761	139.86	ug/l	99
57) 1,3-Dichloropropane	10.788	76	560290	132.65	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	1096735	666.41	ug/l	99
59) 2-Hexanone	10.831	43	1118383	655.93	ug/l	100
60) Dibromochloromethane	10.983	129	437489	136.52	ug/l	99
61) 1,2-Dibromoethane	11.087	107	321583	133.24	ug/l	100
64) Tetrachloroethene	10.715	164	541159	135.05	ug/l	96
65) Chlorobenzene	11.514	112	1152503	135.81	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	458346	136.90	ug/l	100
67) Ethyl Benzene	11.593	91	2104580	140.36	ug/l	99
68) m/p-Xylenes	11.703	106	1611171	279.65	ug/l	100
69) o-Xylene	12.026	106	753159	141.65	ug/l	98
70) Styrene	12.044	104	1298911	141.55	ug/l	100
71) Bromoform	12.209	173	292455	131.44	ug/l #	100
73) Isopropylbenzene	12.331	105	2064045	144.32	ug/l	100
74) N-amyl acetate	12.142	43	576225	140.00	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	348776	131.87	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	278259m	116.67	ug/l	
77) Bromobenzene	12.605	156	525234	139.08	ug/l	98
78) n-propylbenzene	12.666	91	2409067	142.26	ug/l	100
79) 2-Chlorotoluene	12.751	91	1365965	141.78	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	1747549	142.56	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	147782	136.51	ug/l	96
82) 4-Chlorotoluene	12.849	91	1436015	139.18	ug/l	99
83) tert-Butylbenzene	13.075	119	1520509	143.61	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	1748989	141.05	ug/l	100
85) sec-Butylbenzene	13.251	105	2060949	141.44	ug/l	100
86) p-Isopropyltoluene	13.367	119	1972109	143.20	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	996712	137.59	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	967350	135.38	ug/l	100
89) n-Butylbenzene	13.696	91	1761293	140.22	ug/l	100
90) Hexachloroethane	13.959	117	358936	140.29	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	865297	134.96	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	67732	128.03	ug/l	100
93) 1,2,4-Trichlorobenzene	15.001	180	649539	139.22	ug/l	99
94) Hexachlorobutadiene	15.111	225	420569	132.04	ug/l	100
95) Naphthalene	15.233	128	1177157	144.60	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	563537	140.79	ug/l	100

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

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