

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022221\
 Data File : VY004034.D
 Acq On : 22 Feb 2021 13:15
 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
 2/23/2021 1:06:20 PM

Quant Time: Feb 23 03:16:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 23 03:09:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	72489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	108356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	100353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	48990	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	126509	156.40	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 312.80%#			
35) Dibromofluoromethane	7.722	113	101873	155.95	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 311.90%#			
50) Toluene-d8	10.179	98	404338	154.37	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 308.74%#			
62) 4-Bromofluorobenzene	12.477	95	140626	151.97	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 303.94%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	85142	123.76	ug/l	97
3) Chloromethane	2.113	50	130532	127.03	ug/l	98
4) Vinyl Chloride	2.253	62	136622	137.08	ug/l	98
5) Bromomethane	2.625	94	98342	147.17	ug/l	97
6) Chloroethane	2.784	64	85707	142.39	ug/l	98
7) Trichlorofluoromethane	3.119	101	173319	139.06	ug/l	98
8) Diethyl Ether	3.528	74	57412	143.95	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	95438	143.20	ug/l	99
10) Methyl Iodide	4.088	142	131896	157.55	ug/l	99
11) Tert butyl alcohol	4.960	59	66049	550.35	ug/l	100
12) 1,1-Dichloroethene	3.869	96	96092	143.59	ug/l	97
13) Acrolein	3.729	56	63124	784.61	ug/l	99
14) Allyl chloride	4.479	41	187204	147.57	ug/l	99
15) Acrylonitrile	5.168	53	161880	769.98	ug/l	100
16) Acetone	3.948	43	151068	738.97	ug/l	98
17) Carbon Disulfide	4.192	76	311310	143.97	ug/l	98
18) Methyl Acetate	4.479	43	73580	153.16	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	297415	151.37	ug/l	100
20) Methylene Chloride	4.716	84	108194	130.92	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	109104	145.02	ug/l	98
22) Diisopropyl ether	6.119	45	369590	148.24	ug/l	94
23) Vinyl Acetate	6.064	43	1285792	761.55	ug/l	100
24) 1,1-Dichloroethane	6.021	63	195853	146.86	ug/l	100
25) 2-Butanone	6.990	43	223439	767.01	ug/l	99
26) 2,2-Dichloropropane	6.984	77	180675	146.52	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	122895	148.74	ug/l	99
28) Bromochloromethane	7.338	49	87267	148.09	ug/l	99
29) Tetrahydrofuran	7.344	42	144393	767.99	ug/l	99
30) Chloroform	7.509	83	199505	147.49	ug/l	97
31) Cyclohexane	7.783	56	186054	137.05	ug/l	100
32) 1,1,1-Trichloroethane	7.704	97	182551	146.93	ug/l	99
36) 1,1-Dichloropropene	7.917	75	157725	145.36	ug/l	99
37) Ethyl Acetate	7.076	43	97337	151.72	ug/l	100
38) Carbon Tetrachloride	7.899	117	167289	149.32	ug/l	99
39) Methylcyclohexane	9.179	83	195340	149.00	ug/l	99
40) Benzene	8.161	78	445004	147.67	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	48104m	112.98	ug/l	
42) 1,2-Dichloroethane	8.240	62	148496	150.01	ug/l	99
43) Isopropyl Acetate	8.277	43	189515	156.77	ug/l	99
44) Trichloroethene	8.941	130	122079	146.64	ug/l	99
45) 1,2-Dichloropropane	9.216	63	112052	151.68	ug/l	100
46) Dibromomethane	9.307	93	62743	151.88	ug/l	99
47) Bromodichloromethane	9.496	83	160290	151.73	ug/l	98
48) Methyl methacrylate	9.289	41	92129	155.83	ug/l	97
49) 1,4-Dioxane	9.301	88	17035	3420.46	ug/l	99
51) 4-Methyl-2-Pentanone	10.069	43	486567	779.29	ug/l	100
52) Toluene	10.240	92	280743	148.99	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	175061	154.04	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	192248	151.15	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	87961	150.25	ug/l	98
56) Ethyl methacrylate	10.508	69	130506	156.12	ug/l	97
57) 1,3-Dichloropropane	10.788	76	156036	150.54	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	264263	696.97	ug/l	100
59) 2-Hexanone	10.831	43	341644	776.35	ug/l	98
60) Dibromochloromethane	10.984	129	111542	150.99	ug/l	99
61) 1,2-Dibromoethane	11.087	107	86382	150.50	ug/l	98
64) Tetrachloroethene	10.715	164	131855	142.53	ug/l	98
65) Chlorobenzene	11.514	112	295480	146.18	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	115871	150.02	ug/l	99
67) Ethyl Benzene	11.593	91	564198	148.78	ug/l	99
68) m/p-Xylenes	11.703	106	417839	298.72	ug/l	100
69) o-Xylene	12.026	106	198011	150.65	ug/l	99
70) Styrene	12.044	104	340880	150.98	ug/l	99
71) Bromoform	12.209	173	74699	151.23	ug/l #	99
73) Isopropylbenzene	12.325	105	530773	152.60	ug/l	99
74) N-amyl acetate	12.142	43	168836	160.68	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	97142	153.41	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	75354m	146.11	ug/l	
77) Bromobenzene	12.605	156	131964	154.15	ug/l	100
78) n-propylbenzene	12.666	91	629016	151.05	ug/l	100
79) 2-Chlorotoluene	12.752	91	355461	150.47	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	444418	149.80	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	40908	154.46	ug/l	96
82) 4-Chlorotoluene	12.849	91	370953	149.66	ug/l	99
83) tert-Butylbenzene	13.075	119	378337	148.90	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	447208	150.46	ug/l	100
85) sec-Butylbenzene	13.251	105	515367	148.08	ug/l	100
86) p-Isopropyltoluene	13.367	119	487286	150.35	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	245565	150.59	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	235560	145.43	ug/l	99
89) n-Butylbenzene	13.696	91	443159	147.25	ug/l	99
90) Hexachloroethane	13.959	117	87631	151.63	ug/l	98
91) 1,2-Dichlorobenzene	13.733	146	212753	147.49	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	18752	154.63	ug/l	96
93) 1,2,4-Trichlorobenzene	15.001	180	150510	145.26	ug/l	99
94) Hexachlorobutadiene	15.111	225	84641	129.35	ug/l	100
95) Naphthalene	15.233	128	296932	157.16	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	131304	148.58	ug/l	100

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

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