

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041221\
 Data File : VY004381.D
 Acq On : 12 Apr 2021 13:11
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 4/13/2021 4:09:37 PM

Quant Time: Apr 13 02:52:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 02:48:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	202321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	329683	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	293155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	139906	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	344866	152.57	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 305.14%#			
35) Dibromofluoromethane	7.728	113	257433	135.00	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 270.00%#			
50) Toluene-d8	10.185	98	1235664	160.41	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 320.82%#			
62) 4-Bromofluorobenzene	12.483	95	409855	158.06	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 316.12%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	259596	134.06	ug/l	98
3) Chloromethane	2.119	50	381220	132.14	ug/l	98
4) Vinyl Chloride	2.259	62	389003	124.95	ug/l	99
5) Bromomethane	2.637	94	196265	133.00	ug/l	97
6) Chloroethane	2.796	64	250513	140.90	ug/l	97
7) Trichlorofluoromethane	3.131	101	496839	133.37	ug/l	100
8) Diethyl Ether	3.540	74	172457	140.53	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.905	101	277256	135.79	ug/l	99
10) Methyl Iodide	4.101	142	348276	143.29	ug/l	100
11) Tert butyl alcohol	4.984	59	138784	580.84	ug/l	99
12) 1,1-Dichloroethene	3.881	96	279030	137.84	ug/l	94
13) Acrolein	3.741	56	169355	652.79	ug/l	100
14) Allyl chloride	4.491	41	550368	143.79	ug/l	99
15) Acrylonitrile	5.180	53	456851	693.63	ug/l	99
16) Acetone	3.960	43	325227	554.39	ug/l	98
17) Carbon Disulfide	4.204	76	827953	130.49	ug/l	100
18) Methyl Acetate	4.491	43	218736	135.66	ug/l	99
19) Methyl tert-butyl Ether	5.241	73	850855	142.54	ug/l	99
20) Methylene Chloride	4.728	84	310262	137.86	ug/l	98
21) trans-1,2-Dichloroethene	5.234	96	325653	143.04	ug/l	98
22) Diisopropyl ether	6.137	45	1214319	152.67	ug/l	98
23) Vinyl Acetate	6.076	43	4002609	735.13	ug/l	99
24) 1,1-Dichloroethane	6.033	63	597756	145.00	ug/l	100
25) 2-Butanone	7.002	43	596340	678.04	ug/l	97
26) 2,2-Dichloropropane	6.996	77	528829	140.89	ug/l	100
27) cis-1,2-Dichloroethene	7.002	96	365623	144.51	ug/l	99
28) Bromochloromethane	7.344	49	289054	161.61	ug/l	100
29) Tetrahydrofuran	7.362	42	429791	692.71	ug/l	100
30) Chloroform	7.521	83	581755	142.09	ug/l	100
31) Cyclohexane	7.795	56	550272	126.59	ug/l	97
32) 1,1,1-Trichloroethane	7.716	97	518744	139.59	ug/l	100
36) 1,1-Dichloropropene	7.929	75	462366	136.54	ug/l	99
37) Ethyl Acetate	7.088	43	284729	130.46	ug/l	100
38) Carbon Tetrachloride	7.911	117	433073	155.48	ug/l	99
39) Methylcyclohexane	9.191	83	560232	134.79	ug/l	99
40) Benzene	8.167	78	1342667	141.27	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	170532m	117.13	ug/l	
42) 1,2-Dichloroethane	8.246	62	404221	135.35	ug/l	100
43) Isopropyl Acetate	8.283	43	562939	138.15	ug/l	100
44) Trichloroethene	8.947	130	353300	135.36	ug/l	98
45) 1,2-Dichloropropane	9.222	63	345009	142.53	ug/l	100
46) Dibromomethane	9.313	93	183959	138.53	ug/l	99
47) Bromodichloromethane	9.502	83	458216	142.80	ug/l	100
48) Methyl methacrylate	9.301	41	265094	141.43	ug/l	98
49) 1,4-Dioxane	9.307	88	48954	2953.84	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	1424568	678.67	ug/l	99
52) Toluene	10.252	92	862446	141.33	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	499697	142.26	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	569023	143.19	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	254368	139.23	ug/l	98
56) Ethyl methacrylate	10.514	69	385742	150.40	ug/l	98
57) 1,3-Dichloropropane	10.794	76	451745	139.62	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	1061686	832.58	ug/l	98
59) 2-Hexanone	10.837	43	956421	686.78	ug/l	99
60) Dibromochloromethane	10.990	129	307916	144.50	ug/l	100
61) 1,2-Dibromoethane	11.093	107	244712	138.34	ug/l	100
64) Tetrachloroethene	10.721	164	344687	130.08	ug/l	98
65) Chlorobenzene	11.520	112	865323	141.11	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	314252	144.08	ug/l	99
67) Ethyl Benzene	11.599	91	1645861	144.82	ug/l	99
68) m/p-Xylenes	11.709	106	1223696	289.39	ug/l	100
69) o-Xylene	12.032	106	574367	146.24	ug/l	99
70) Styrene	12.050	104	988579	153.70	ug/l	99
71) Bromoform	12.215	173	183416	144.41	ug/l #	100
73) Isopropylbenzene	12.331	105	1539967	139.02	ug/l	99
74) N-amyl acetate	12.148	43	508534	136.38	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	287713	136.07	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	214989m	128.83	ug/l	
77) Bromobenzene	12.611	156	340109	134.85	ug/l	100
78) n-propylbenzene	12.672	91	1819179	138.13	ug/l	99
79) 2-Chlorotoluene	12.764	91	1005423	138.90	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	1248683	137.32	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	117473	137.86	ug/l	98
82) 4-Chlorotoluene	12.861	91	1060088	138.98	ug/l	100
83) tert-Butylbenzene	13.081	119	1059513	136.45	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	1255484	137.03	ug/l	100
85) sec-Butylbenzene	13.257	105	1469542	135.69	ug/l	99
86) p-Isopropyltoluene	13.373	119	1351601	137.83	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	645129	137.49	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	633629	134.79	ug/l	100
89) n-Butylbenzene	13.702	91	1279473	137.12	ug/l	100
90) Hexachloroethane	13.965	117	209114	167.17	ug/l	100
91) 1,2-Dichlorobenzene	13.745	146	572067	137.92	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	48202	121.90	ug/l	95
93) 1,2,4-Trichlorobenzene	15.013	180	373773	137.35	ug/l	99
94) Hexachlorobutadiene	15.117	225	186373	130.88	ug/l	99
95) Naphthalene	15.239	128	816131	139.22	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	326824	137.64	ug/l	100

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

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