

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051321\
 Data File : VY004766.D
 Acq On : 13 May 2021 15:34
 Operator : SY/MD
 Sample : M2383-05MSD
 Misc : 4.86G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 KSB-03(7-9)MSD

Manual Integrations
 APPROVED

MMDadoda
 5/14/2021 6:50:24 PM

Quant Time: May 14 02:29:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	152227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	235253	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	173317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	49758	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	94084	51.92	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.84%			
35) Dibromofluoromethane	7.728	113	73887	57.37	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.74%			
50) Toluene-d8	10.185	98	290987	50.02	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.04%			
62) 4-Bromofluorobenzene	12.483	95	67047	34.15	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 68.30%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	70892	50.86	ug/l	98
3) Chloromethane	2.119	50	106297	47.05	ug/l	97
4) Vinyl Chloride	2.259	62	101323	43.83	ug/l	97
5) Bromomethane	2.662	94	59724	50.66	ug/l	94
6) Chloroethane	2.802	64	67244	49.30	ug/l	96
7) Trichlorofluoromethane	3.137	101	145811	53.14	ug/l	97
8) Diethyl Ether	3.540	74	52436	54.08	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.912	101	79759	51.24	ug/l	98
10) Methyl Iodide	4.107	142	87385	52.50	ug/l	99
11) Tert butyl alcohol	4.979	59	41193	226.21	ug/l	100
12) 1,1-Dichloroethene	3.887	96	68405	45.46	ug/l	99
13) Acrolein	3.747	56	46659	217.95	ug/l	96
14) Allyl chloride	4.491	41	136005	46.25	ug/l	99
15) Acrylonitrile	5.180	53	127708	262.77	ug/l	99
16) Acetone	3.960	43	99483	244.44	ug/l	98
17) Carbon Disulfide	4.204	76	125339	27.28	ug/l	99
18) Methyl Acetate	4.497	43	102516	78.99	ug/l	100
19) Methyl tert-butyl Ether	5.241	73	236282	57.09	ug/l	99
20) Methylene Chloride	4.735	84	100887	54.19	ug/l	98
21) trans-1,2-Dichloroethene	5.241	96	58885	34.44	ug/l	99
22) Diisopropyl ether	6.131	45	320735	56.71	ug/l	98
23) Vinyl Acetate	6.076	43	841035	198.00	ug/l	99
24) 1,1-Dichloroethane	6.033	63	171437	53.87	ug/l	99
25) 2-Butanone	7.003	43	181151	250.53	ug/l	98
26) 2,2-Dichloropropane	6.996	77	157398	56.62	ug/l	97
27) cis-1,2-Dichloroethene	7.003	96	81613	42.99	ug/l	96
28) Bromochloromethane	7.344	49	76302	49.08	ug/l	99
29) Tetrahydrofuran	7.362	42	121887	264.26	ug/l	98
30) Chloroform	7.521	83	164583	52.49	ug/l	100
31) Cyclohexane	7.795	56	130129	44.37	ug/l	97
32) 1,1,1-Trichloroethane	7.716	97	152997	54.44	ug/l	99
36) 1,1-Dichloropropene	7.929	75	98694	40.94	ug/l	99
37) Ethyl Acetate	7.088	43	86301	52.24	ug/l	99
38) Carbon Tetrachloride	7.911	117	122191	56.38	ug/l	99
39) Methylcyclohexane	9.191	83	99490	37.84	ug/l	99
40) Benzene	8.173	78	366617	53.79	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	51446m	56.98	ug/l	
42) 1,2-Dichloroethane	8.246	62	113843	52.89	ug/l	100
43) Isopropyl Acetate	8.283	43	174146	56.78	ug/l	99
44) Trichloroethene	8.947	130	75112	41.00	ug/l	95
45) 1,2-Dichloropropane	9.222	63	100134	56.16	ug/l	99
46) Dibromomethane	9.313	93	45803	46.19	ug/l	100
47) Bromodichloromethane	9.502	83	127426	54.17	ug/l	100
48) Methyl methacrylate	9.301	41	81627	58.48	ug/l	97
49) 1,4-Dioxane	9.307	88	12062	1033.03	ug/l	87
51) 4-Methyl-2-Pentanone	10.075	43	471928	285.98	ug/l	100
52) Toluene	10.252	92	210469	48.91	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	94491	36.26	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	124422	42.91	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	74591	54.66	ug/l	99
56) Ethyl methacrylate	10.514	69	105336	53.37	ug/l	99
57) 1,3-Dichloropropane	10.795	76	124608	51.35	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	252343	247.71	ug/l	99
59) 2-Hexanone	10.837	43	304767	272.55	ug/l	99
60) Dibromochloromethane	10.990	129	83875	51.69	ug/l	98
61) 1,2-Dibromoethane	11.093	107	60746	46.17	ug/l	100
64) Tetrachloroethene	10.721	164	83406	53.26	ug/l	98
65) Chlorobenzene	11.520	112	179230	50.25	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	89517	69.03	ug/l	99
67) Ethyl Benzene	11.599	91	357740	53.98	ug/l	99
68) m/p-Xylenes	11.709	106	264370	106.17	ug/l	100
69) o-Xylene	12.032	106	141082	60.63	ug/l	99
70) Styrene	12.050	104	185500	47.55	ug/l	97
71) Bromoform	12.215	173	49165	62.58	ug/l #	100
73) Isopropylbenzene	12.331	105	342914	91.35	ug/l	100
74) N-amyl acetate	12.148	43	124137	93.53	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	84365	112.62	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	64254m	121.58	ug/l	
77) Bromobenzene	12.611	156	63311	74.70	ug/l	95
78) n-propylbenzene	12.672	91	315127	68.79	ug/l	100
79) 2-Chlorotoluene	12.758	91	200862	79.91	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	267660	85.86	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	26725	87.68	ug/l #	74
82) 4-Chlorotoluene	12.861	91	161836	62.00	ug/l	99
83) tert-Butylbenzene	13.081	119	228986	86.04	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	250080	80.15	ug/l	99
85) sec-Butylbenzene	13.258	105	258343	66.77	ug/l	100
86) p-Isopropyltoluene	13.373	119	217497	64.84	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	86361	51.95	ug/l	100
88) 1,4-Dichlorobenzene	13.453	146	80612	49.21	ug/l	99
89) n-Butylbenzene	13.703	91	122992	37.51	ug/l	99
90) Hexachloroethane	13.965	117	36868	78.05	ug/l	96
91) 1,2-Dichlorobenzene	13.745	146	96271	65.64	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	13358	95.44	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	27031	28.61	ug/l	99
94) Hexachlorobutadiene	15.117	225	11875	23.21	ug/l	93
95) Naphthalene	15.239	128	134493	65.78	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	28925	34.59	ug/l	98

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

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