

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031121\
 Data File : VY004073.D
 Acq On : 11 Mar 2021 13:30
 Operator : SY/MD
 Sample : VY0311SBSD01
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0311SBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/12/2021 2:02:01 PM

Quant Time: Mar 12 01:18:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 08 12:28:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	229517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	366071	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	329166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	166550	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	114054	50.36	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.72%			
35) Dibromofluoromethane	7.728	113	106130	51.41	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.82%			
50) Toluene-d8	10.185	98	406694	50.25	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.50%			
62) 4-Bromofluorobenzene	12.483	95	148819	49.79	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.58%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	43635	24.99	ug/l	93
3) Chloromethane	2.113	50	60784	25.63	ug/l	98
4) Vinyl Chloride	2.253	62	64490	23.25	ug/l	100
5) Bromomethane	2.656	94	41525	23.43	ug/l	95
6) Chloroethane	2.796	64	42562	25.20	ug/l	99
7) Trichlorofluoromethane	3.131	101	76179	20.66	ug/l	96
8) Diethyl Ether	3.540	74	24277	20.55	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.906	101	41762	20.25	ug/l	97
10) Methyl Iodide	4.101	142	41516	19.70	ug/l	99
11) Tert butyl alcohol	5.003	59	18079	88.28	ug/l #	88
12) 1,1-Dichloroethene	3.875	96	40420	20.03	ug/l	95
13) Acrolein	3.747	56	17009	83.73	ug/l	98
14) Allyl chloride	4.491	41	62781	18.81	ug/l	91
15) Acrylonitrile	5.180	53	56648	96.46	ug/l	98
16) Acetone	3.973	43	40870	74.76	ug/l	95
17) Carbon Disulfide	4.204	76	120396	20.29	ug/l	98
18) Methyl Acetate	4.497	43	23753	17.59	ug/l	92
19) Methyl tert-butyl Ether	5.235	73	115963	20.18	ug/l	98
20) Methylene Chloride	4.729	84	50629	20.01	ug/l	92
21) trans-1,2-Dichloroethene	5.228	96	46023	20.30	ug/l	96
22) Diisopropyl ether	6.131	45	135152	19.18	ug/l	94
23) Vinyl Acetate	6.076	43	444796	95.91	ug/l	96
24) 1,1-Dichloroethane	6.033	63	76908	19.66	ug/l	98
25) 2-Butanone	7.003	43	69367	88.02	ug/l	95
26) 2,2-Dichloropropane	6.996	77	70303	18.82	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	52252	20.24	ug/l	92
28) Bromochloromethane	7.344	49	34721	20.33	ug/l	86
29) Tetrahydrofuran	7.362	42	47857	93.47	ug/l	93
30) Chloroform	7.515	83	82511	20.36	ug/l	99
31) Cyclohexane	7.789	56	74076	18.64	ug/l #	90
32) 1,1,1-Trichloroethane	7.710	97	75456	20.07	ug/l	99
36) 1,1-Dichloropropene	7.923	75	63087	19.62	ug/l	98
37) Ethyl Acetate	7.088	43	33615	19.40	ug/l	98
38) Carbon Tetrachloride	7.905	117	67633	19.82	ug/l	96
39) Methylcyclohexane	9.185	83	81903	19.72	ug/l	91
40) Benzene	8.167	78	182085	20.10	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	16922m	15.76	ug/l	
42) 1,2-Dichloroethane	8.246	62	55252	19.95	ug/l	96
43) Isopropyl Acetate	8.283	43	66272	19.06	ug/l	97
44) Trichloroethene	8.941	130	57017	21.73	ug/l	99
45) 1,2-Dichloropropane	9.222	63	45169	19.97	ug/l	98
46) Dibromomethane	9.313	93	26767	20.70	ug/l	97
47) Bromodichloromethane	9.502	83	63885	19.79	ug/l	97
48) Methyl methacrylate	9.295	41	31697	19.19	ug/l	92
49) 1,4-Dioxane	9.325	88	6406	389.13	ug/l #	92
51) 4-Methyl-2-Pentanone	10.075	43	167180	94.96	ug/l	95
52) Toluene	10.246	92	119083	20.30	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	67187	19.73	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	75250	19.72	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	37879	20.83	ug/l	95
56) Ethyl methacrylate	10.514	69	50036	19.68	ug/l	93
57) 1,3-Dichloropropane	10.795	76	63098	20.26	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	125527	116.36	ug/l	95
59) 2-Hexanone	10.837	43	115697	93.54	ug/l	98
60) Dibromochloromethane	10.990	129	47365	20.74	ug/l	99
61) 1,2-Dibromoethane	11.093	107	36959	20.87	ug/l	99
64) Tetrachloroethene	10.721	164	65102	23.63	ug/l	96
65) Chlorobenzene	11.520	112	129653	20.55	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.593	131	47947	20.32	ug/l	98
67) Ethyl Benzene	11.593	91	230808	19.93	ug/l	99
68) m/p-Xylenes	11.703	106	177601	40.21	ug/l	94
69) o-Xylene	12.032	106	84810	20.31	ug/l	93
70) Styrene	12.044	104	143479	20.07	ug/l	98
71) Bromoform	12.209	173	29078	20.59	ug/l #	99
73) Isopropylbenzene	12.331	105	228269	19.72	ug/l	99
74) N-amyl acetate	12.148	43	62420	18.83	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	35819	17.81	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	29804m	18.66	ug/l	
77) Bromobenzene	12.611	156	55162	20.63	ug/l	98
78) n-propylbenzene	12.672	91	268748	19.71	ug/l	98
79) 2-Chlorotoluene	12.758	91	152030	19.86	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	194072	19.77	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	15373	19.00	ug/l	98
82) 4-Chlorotoluene	12.855	91	156089	19.26	ug/l	96
83) tert-Butylbenzene	13.075	119	169497	20.07	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	195429	19.88	ug/l	97
85) sec-Butylbenzene	13.251	105	231399	19.87	ug/l	99
86) p-Isopropyltoluene	13.373	119	215298	19.94	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	107361	20.80	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	105966	20.57	ug/l	98
89) n-Butylbenzene	13.696	91	200066	19.47	ug/l	98
90) Hexachloroethane	13.959	117	37226	19.18	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	97845	21.37	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7586	19.97	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	68363	22.02	ug/l	98
94) Hexachlorobutadiene	15.111	225	35808	20.57	ug/l	98
95) Naphthalene	15.239	128	141280	22.96	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	59214	22.68	ug/l	98

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

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