

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020321\
 Data File : VY003959.D
 Acq On : 03 Feb 2021 14:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/4/2021 11:08:16 AM

Quant Time: Feb 04 01:18:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 01 00:38:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	114891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	165519	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	152427	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	81070	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	55712	44.10	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.20%		
35) Dibromofluoromethane	7.728	113	48163	49.77	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.54%		
50) Toluene-d8	10.185	98	181850	47.88	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.76%		
62) 4-Bromofluorobenzene	12.483	95	68001	49.12	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.24%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	48984	43.01	ug/l	98
3) Chloromethane	2.119	50	56853	39.64	ug/l	95
4) Vinyl Chloride	2.259	62	62190	41.59	ug/l	99
5) Bromomethane	2.662	94	45416	42.63	ug/l	91
6) Chloroethane	2.808	64	40737	43.46	ug/l	97
7) Trichlorofluoromethane	3.137	101	95453	46.06	ug/l	93
8) Diethyl Ether	3.540	74	28240	43.56	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	49827	46.58	ug/l	96
10) Methyl Iodide	4.107	142	64564	48.79	ug/l	97
11) Tert butyl alcohol	4.972	59	25465	217.48	ug/l	96
12) 1,1-Dichloroethene	3.887	96	48295	46.57	ug/l	96
13) Acrolein	3.741	56	24774	212.71	ug/l	98
14) Allyl chloride	4.497	41	85244	44.64	ug/l	97
15) Acrylonitrile	5.180	53	70954	215.04	ug/l	100
16) Acetone	3.960	43	81032	261.29	ug/l	97
17) Carbon Disulfide	4.210	76	152598	44.77	ug/l	96
18) Methyl Acetate	4.497	43	33239	43.00	ug/l	97
19) Methyl tert-butyl Ether	5.241	73	139466	44.04	ug/l	93
20) Methylene Chloride	4.735	84	57909	43.98	ug/l	93
21) trans-1,2-Dichloroethene	5.241	96	54735	45.86	ug/l	89
22) Diisopropyl ether	6.137	45	169218	44.54	ug/l	94
23) Vinyl Acetate	6.076	43	569841	220.12	ug/l	96
24) 1,1-Dichloroethane	6.033	63	93383	44.34	ug/l	99
25) 2-Butanone	6.996	43	100050	226.43	ug/l	95
26) 2,2-Dichloropropane	6.996	77	91338	45.51	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	59649	45.04	ug/l	98
28) Bromochloromethane	7.350	49	43765	48.24	ug/l #	82
29) Tetrahydrofuran	7.362	42	60468	214.71	ug/l	92
30) Chloroform	7.521	83	98507	44.50	ug/l	98
31) Cyclohexane	7.795	56	89775	42.32	ug/l	92
32) 1,1,1-Trichloroethane	7.716	97	92527	45.32	ug/l	97
36) 1,1-Dichloropropene	7.923	75	76639	45.78	ug/l	99
37) Ethyl Acetate	7.082	43	43517	45.96	ug/l	98
38) Carbon Tetrachloride	7.905	117	85479	47.26	ug/l	97
39) Methylcyclohexane	9.185	83	95056	47.64	ug/l	98
40) Benzene	8.167	78	213216	46.07	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	26758m	42.84	ug/l	
42) 1,2-Dichloroethane	8.246	62	71085	44.62	ug/l	99
43) Isopropyl Acetate	8.283	43	80038	43.45	ug/l	95
44) Trichloroethene	8.947	130	61775	48.31	ug/l	93
45) 1,2-Dichloropropane	9.222	63	53120	46.37	ug/l	97
46) Dibromomethane	9.313	93	29959	45.77	ug/l	94
47) Bromodichloromethane	9.502	83	77691	45.89	ug/l	97
48) Methyl methacrylate	9.295	41	39279	43.65	ug/l	95
49) 1,4-Dioxane	9.301	88	6525	937.33	ug/l	87
51) 4-Methyl-2-Pentanone	10.075	43	209073	222.24	ug/l	96
52) Toluene	10.246	92	138017	47.25	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	83471	46.81	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	91612	46.33	ug/l	93
55) 1,1,2-Trichloroethane	10.648	97	43210	47.62	ug/l	95
56) Ethyl methacrylate	10.514	69	60357	46.60	ug/l	94
57) 1,3-Dichloropropane	10.794	76	74389	45.77	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	135780	231.18	ug/l	97
59) 2-Hexanone	10.837	43	152844	231.78	ug/l	95
60) Dibromochloromethane	10.990	129	56239	47.56	ug/l	99
61) 1,2-Dibromoethane	11.093	107	42413	46.72	ug/l	99
64) Tetrachloroethene	10.721	164	65317	47.79	ug/l	96
65) Chlorobenzene	11.520	112	147124	47.62	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	57101	47.37	ug/l	99
67) Ethyl Benzene	11.593	91	275762	47.60	ug/l	100
68) m/p-Xylenes	11.703	106	204882	95.43	ug/l	100
69) o-Xylene	12.032	106	95885	48.01	ug/l	100
70) Styrene	12.044	104	165496	48.03	ug/l	99
71) Bromoform	12.209	173	37544	48.67	ug/l #	99
73) Isopropylbenzene	12.331	105	268856	46.33	ug/l	99
74) N-amyl acetate	12.148	43	74610	43.74	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.587	83	48432	46.02	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	34935m	42.77	ug/l	
77) Bromobenzene	12.611	156	67105	46.66	ug/l	95
78) n-propylbenzene	12.672	91	317935	46.05	ug/l	100
79) 2-Chlorotoluene	12.758	91	178951	45.26	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	230572	46.30	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	19341	45.26	ug/l	98
82) 4-Chlorotoluene	12.855	91	190453	45.54	ug/l	100
83) tert-Butylbenzene	13.075	119	199020	48.07	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	228836	45.85	ug/l	99
85) sec-Butylbenzene	13.257	105	270891	47.22	ug/l	100
86) p-Isopropyltoluene	13.373	119	252844	47.24	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	128668	47.47	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	125778	46.98	ug/l	100
89) n-Butylbenzene	13.696	91	230169	46.32	ug/l	99
90) Hexachloroethane	13.965	117	45754	46.70	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	112563	46.61	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	8949	41.25	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	81159	48.55	ug/l	98
94) Hexachlorobutadiene	15.111	225	52129	48.53	ug/l	98
95) Naphthalene	15.239	128	146534	46.71	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	69781	48.46	ug/l	99

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

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