

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020321\
 Data File : VY003983.D
 Acq On : 04 Feb 2021 00:27
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/4/2021 11:08:24 AM

Quant Time: Feb 04 01:26:43 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	88360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	134191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	123624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	65468	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	46532	47.89	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.78%			
35) Dibromofluoromethane	7.728	113	39466	50.30	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.60%			
50) Toluene-d8	10.185	98	149066	48.41	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.82%			
62) 4-Bromofluorobenzene	12.483	95	57605	51.32	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.64%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	38375	43.81	ug/l	95
3) Chloromethane	2.119	50	44908	40.71	ug/l	94
4) Vinyl Chloride	2.260	62	50121	43.58	ug/l	98
5) Bromomethane	2.662	94	34801	42.48	ug/l	95
6) Chloroethane	2.802	64	29481	40.90	ug/l	96
7) Trichlorofluoromethane	3.137	101	69565	43.64	ug/l	92
8) Diethyl Ether	3.540	74	21377	42.87	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.918	101	35456	43.10	ug/l	96
10) Methyl Iodide	4.101	142	47547	46.72	ug/l	99
11) Tert butyl alcohol	4.972	59	19148	212.11	ug/l	98
12) 1,1-Dichloroethene	3.881	96	35011	43.90	ug/l	96
13) Acrolein	3.747	56	18571	207.33	ug/l	97
14) Allyl chloride	4.497	41	60703	41.33	ug/l	93
15) Acrylonitrile	5.180	53	53269	209.92	ug/l	99
16) Acetone	3.960	43	43025	180.39	ug/l	98
17) Carbon Disulfide	4.204	76	109505	41.78	ug/l	97
18) Methyl Acetate	4.491	43	26417	44.44	ug/l	94
19) Methyl tert-butyl Ether	5.241	73	108863	44.70	ug/l	93
20) Methylene Chloride	4.729	84	42136	41.61	ug/l	91
21) trans-1,2-Dichloroethene	5.235	96	40305	43.91	ug/l	92
22) Diisopropyl ether	6.131	45	125433	42.93	ug/l	97
23) Vinyl Acetate	6.076	43	408020	204.93	ug/l #	94
24) 1,1-Dichloroethane	6.039	63	70473	43.51	ug/l	100
25) 2-Butanone	7.003	43	66324	195.17	ug/l	92
26) 2,2-Dichloropropane	6.996	77	62918	40.77	ug/l	98
27) cis-1,2-Dichloroethene	7.003	96	45841	45.00	ug/l	95
28) Bromochloromethane	7.350	49	34261	49.10	ug/l #	78
29) Tetrahydrofuran	7.356	42	43836	202.39	ug/l	89
30) Chloroform	7.515	83	77242	45.37	ug/l	99
31) Cyclohexane	7.795	56	60447	37.05	ug/l	93
32) 1,1,1-Trichloroethane	7.716	97	70547	44.92	ug/l	96
36) 1,1-Dichloropropene	7.929	75	56343	41.52	ug/l	99
37) Ethyl Acetate	7.088	43	30603	39.86	ug/l #	95
38) Carbon Tetrachloride	7.911	117	64193	43.77	ug/l	99
39) Methylcyclohexane	9.185	83	66705	41.23	ug/l	95
40) Benzene	8.173	78	162316	43.26	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	19558m	38.62	ug/l	
42) 1,2-Dichloroethane	8.246	62	55753	43.16	ug/l	99
43) Isopropyl Acetate	8.283	43	60680	40.63	ug/l	95
44) Trichloroethene	8.947	130	46538	44.89	ug/l	95
45) 1,2-Dichloropropane	9.222	63	39769	42.82	ug/l	100
46) Dibromomethane	9.313	93	24000	45.22	ug/l	93
47) Bromodichloromethane	9.502	83	60616	44.17	ug/l	98
48) Methyl methacrylate	9.295	41	29288	40.14	ug/l	95
49) 1,4-Dioxane	9.301	88	5665	1003.78	ug/l	88
51) 4-Methyl-2-Pentanone	10.075	43	152952	200.54	ug/l	93
52) Toluene	10.246	92	103813	43.84	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	63357	43.83	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	69557	43.39	ug/l	92
55) 1,1,2-Trichloroethane	10.648	97	32935	44.77	ug/l	95
56) Ethyl methacrylate	10.514	69	47221	44.97	ug/l	91
57) 1,3-Dichloropropane	10.795	76	57443	43.59	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	99771	209.53	ug/l	96
59) 2-Hexanone	10.837	43	107416	200.92	ug/l	93
60) Dibromochloromethane	10.990	129	44886	46.82	ug/l	98
61) 1,2-Dibromoethane	11.093	107	33191	45.10	ug/l	98
64) Tetrachloroethene	10.721	164	50300	45.38	ug/l	97
65) Chlorobenzene	11.520	112	114497	45.69	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	46100	47.16	ug/l	98
67) Ethyl Benzene	11.593	91	207093	44.08	ug/l	99
68) m/p-Xylenes	11.703	106	154378	88.66	ug/l	99
69) o-Xylene	12.032	106	73618	45.45	ug/l	99
70) Styrene	12.044	104	128109	45.84	ug/l	99
71) Bromoform	12.209	173	29830	47.68	ug/l #	95
73) Isopropylbenzene	12.331	105	205778	43.91	ug/l	98
74) N-amyl acetate	12.142	43	54258	39.39	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.587	83	36529	42.99	ug/l	96
76) 1,2,3-Trichloropropane	12.636	75	26032m	39.47	ug/l	
77) Bromobenzene	12.611	156	52007	44.78	ug/l	95
78) n-propylbenzene	12.672	91	236413	42.40	ug/l	99
79) 2-Chlorotoluene	12.758	91	138798	43.47	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	176715	43.95	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	13887	40.24	ug/l	97
82) 4-Chlorotoluene	12.855	91	144282	42.72	ug/l	99
83) tert-Butylbenzene	13.075	119	148399	44.39	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	177816	44.11	ug/l	100
85) sec-Butylbenzene	13.251	105	200256	43.22	ug/l	99
86) p-Isopropyltoluene	13.373	119	186128	43.06	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	98435	44.97	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	97115	44.92	ug/l	99
89) n-Butylbenzene	13.697	91	167566	41.76	ug/l	100
90) Hexachloroethane	13.959	117	35526	44.90	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	87845	45.04	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	7092	40.48	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	59303	43.93	ug/l	99
94) Hexachlorobutadiene	15.111	225	39239	45.23	ug/l	98
95) Naphthalene	15.239	128	108409	42.79	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	51809	44.55	ug/l	99

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

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