

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082721\
 Data File : VY005886.D
 Acq On : 27 Aug 2021 16:26
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/30/2021 6:08:49 PM

Quant Time: Aug 28 03:52:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	237396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	361207	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	330438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	171465	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	120556	50.168	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.340%			
35) Dibromofluoromethane	7.722	113	105111	51.976	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.960%			
50) Toluene-d8	10.185	98	409130	48.238	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.480%			
62) 4-Bromofluorobenzene	12.483	95	143006	50.917	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.840%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	82367	42.244	ug/l	98
3) Chloromethane	2.119	50	114093	48.986	ug/l	99
4) Vinyl Chloride	2.259	62	145969	52.323	ug/l	99
5) Bromomethane	2.656	94	102867	56.020	ug/l	98
6) Chloroethane	2.802	64	97378	57.827	ug/l	97
7) Trichlorofluoromethane	3.137	101	187756	50.267	ug/l	98
8) Diethyl Ether	3.540	74	72922	55.898	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.905	101	99236	48.981	ug/l	99
10) Methyl Iodide	4.101	142	107108	42.434	ug/l	97
11) Tert butyl alcohol	4.966	59	66268	278.956	ug/l	96
12) 1,1-Dichloroethene	3.887	96	98251	48.024	ug/l	99
13) Acrolein	3.741	56	28008	195.412	ug/l	99
14) Allyl chloride	4.491	41	180161	50.278	ug/l	97
15) Acrylonitrile	5.180	53	166813	249.504	ug/l	98
16) Acetone	3.960	43	135826	224.185	ug/l	97
17) Carbon Disulfide	4.204	76	257471	40.825	ug/l	99
18) Methyl Acetate	4.485	43	76968	48.574	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	320329	50.541	ug/l	100
20) Methylene Chloride	4.722	84	132150	55.724	ug/l	90
21) trans-1,2-Dichloroethene	5.228	96	111461	48.730	ug/l	98
22) Diisopropyl ether	6.131	45	395291	53.472	ug/l	99
23) Vinyl Acetate	6.070	43	1234835	251.000	ug/l	99
24) 1,1-Dichloroethane	6.027	63	221662	54.106	ug/l	99
25) 2-Butanone	6.996	43	210754	235.325	ug/l	97
26) 2,2-Dichloropropane	6.990	77	184269	49.230	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	136812	52.590	ug/l	99
28) Bromochloromethane	7.338	49	86848	53.114	ug/l	96
29) Tetrahydrofuran	7.356	42	137039	231.345	ug/l	99
30) Chloroform	7.515	83	222496	53.210	ug/l	98
31) Cyclohexane	7.789	56	179238	43.485	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	193886	50.441	ug/l	100
36) 1,1-Dichloropropene	7.923	75	161681	47.724	ug/l	99
37) Ethyl Acetate	7.082	43	95541	46.551	ug/l	99
38) Carbon Tetrachloride	7.905	117	171931	46.694	ug/l	98
39) Methylcyclohexane	9.191	83	191368	44.399	ug/l	98
40) Benzene	8.167	78	486119	50.107	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	45721m	41.057	ug/l	
42) 1,2-Dichloroethane	8.246	62	152123	48.340	ug/l	100
43) Isopropyl Acetate	8.283	43	182189	46.887	ug/l	99
44) Trichloroethene	8.947	130	129830	49.032	ug/l	96
45) 1,2-Dichloropropane	9.222	63	126597	52.159	ug/l	99
46) Dibromomethane	9.313	93	66108	49.260	ug/l	97
47) Bromodichloromethane	9.502	83	172507	51.361	ug/l	100
48) Methyl methacrylate	9.295	41	82629	47.053	ug/l	98
49) 1,4-Dioxane	9.301	88	18356	984.167	ug/l	99
51) 4-Methyl-2-Pentanone	10.075	43	485651	237.326	ug/l	98
52) Toluene	10.246	92	305692	49.416	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	183097	48.779	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	205424	50.428	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	97931	50.434	ug/l	95
56) Ethyl methacrylate	10.514	69	143235	49.263	ug/l	98
57) 1,3-Dichloropropane	10.794	76	171511	50.088	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	413200	297.418	ug/l	99
59) 2-Hexanone	10.837	43	330509	228.513	ug/l	97
60) Dibromochloromethane	10.990	129	119183	49.596	ug/l	99
61) 1,2-Dibromoethane	11.093	107	89495	48.655	ug/l	99
64) Tetrachloroethene	10.721	164	127523	50.700	ug/l	99
65) Chlorobenzene	11.520	112	334682	50.332	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	128062	51.169	ug/l	99
67) Ethyl Benzene	11.593	91	598846	49.665	ug/l	99
68) m/p-Xylenes	11.703	106	463930	99.062	ug/l	100
69) o-Xylene	12.032	106	226951	50.420	ug/l	97
70) Styrene	12.044	104	386297	50.985	ug/l	99
71) Bromoform	12.209	173	79894	49.226	ug/l #	100
73) Isopropylbenzene	12.331	105	588052	49.132	ug/l	100
74) N-amyl acetate	12.148	43	166993	46.350	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	111418	48.399	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	95670m	53.842	ug/l	
77) Bromobenzene	12.611	156	143776	48.895	ug/l	98
78) n-propylbenzene	12.672	91	702884	49.446	ug/l	100
79) 2-Chlorotoluene	12.757	91	397239	49.766	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	488251	49.155	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	41230	46.776	ug/l	95
82) 4-Chlorotoluene	12.855	91	409666	49.602	ug/l	99
83) tert-Butylbenzene	13.075	119	445429	49.975	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	487157	49.705	ug/l	98
85) sec-Butylbenzene	13.257	105	642042	49.943	ug/l	100
86) p-Isopropyltoluene	13.373	119	544065	49.293	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	281844	49.121	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	276025	48.494	ug/l	99
89) n-Butylbenzene	13.696	91	495042	49.508	ug/l	100
90) Hexachloroethane	13.965	117	100800	50.797	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	248534	49.039	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	19356	44.354	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	164986	47.390	ug/l	99
94) Hexachlorobutadiene	15.111	225	105711	46.895	ug/l	99
95) Naphthalene	15.239	128	310768	45.283	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	144231	46.763	ug/l	99

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

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