

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060721\
 Data File : VY005008.D
 Acq On : 07 Jun 2021 21:10
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/8/2021 2:58:51 PM

Quant Time: Jun 08 02:11:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 03 04:43:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	202903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	354150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	322305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	149641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	110874	51.688	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.380%	
35) Dibromofluoromethane	7.728	113	93653	49.152	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.300%	
50) Toluene-d8	10.185	98	405805	51.282	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.560%	
62) 4-Bromofluorobenzene	12.483	95	134491	49.418	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.840%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	87064	47.253	ug/l	99
3) Chloromethane	2.113	50	129103	51.316	ug/l	100
4) Vinyl Chloride	2.253	62	122676	50.684	ug/l	98
5) Bromomethane	2.656	94	67166	48.963	ug/l	98
6) Chloroethane	2.802	64	73760	50.949	ug/l	98
7) Trichlorofluoromethane	3.131	101	170291	49.743	ug/l	94
8) Diethyl Ether	3.540	74	69178	52.045	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	105697	50.620	ug/l	99
10) Methyl Iodide	4.101	142	109396	54.883	ug/l	97
11) Tert butyl alcohol	4.972	59	50738	205.680	ug/l	99
12) 1,1-Dichloroethene	3.881	96	104829	50.272	ug/l	99
13) Acrolein	3.735	56	62259	282.630	ug/l	99
14) Allyl chloride	4.491	41	199878	52.573	ug/l	99
15) Acrylonitrile	5.180	53	163993	262.371	ug/l	98
16) Acetone	3.960	43	128676	249.195	ug/l	99
17) Carbon Disulfide	4.204	76	318499	49.669	ug/l	100
18) Methyl Acetate	4.485	43	86201	52.093	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	280732	52.300	ug/l	99
20) Methylene Chloride	4.729	84	141763	57.993	ug/l	97
21) trans-1,2-Dichloroethene	5.228	96	120873	51.640	ug/l	96
22) Diisopropyl ether	6.131	45	392371	56.218	ug/l	96
23) Vinyl Acetate	6.070	43	1385123	272.772	ug/l	99
24) 1,1-Dichloroethane	6.027	63	227721	54.211	ug/l	99
25) 2-Butanone	6.996	43	229665	264.504	ug/l	99
26) 2,2-Dichloropropane	6.990	77	168986	47.597	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	138880	54.144	ug/l	99
28) Bromochloromethane	7.344	49	98796	52.648	ug/l	96
29) Tetrahydrofuran	7.356	42	145207	262.952	ug/l	97
30) Chloroform	7.515	83	221349	55.571	ug/l	100
31) Cyclohexane	7.789	56	183849	48.681	ug/l	99
32) 1,1,1-Trichloroethane	7.710	97	186681	53.428	ug/l	99
36) 1,1-Dichloropropene	7.923	75	171628	49.518	ug/l	99
37) Ethyl Acetate	7.082	43	107741	47.257	ug/l	98
38) Carbon Tetrachloride	7.905	117	153929	51.031	ug/l	99
39) Methylcyclohexane	9.185	83	188917	49.345	ug/l	98
40) Benzene	8.167	78	513417	51.771	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	67529m	53.878	ug/l	
42) 1,2-Dichloroethane	8.246	62	146236	51.078	ug/l	99
43) Isopropyl Acetate	8.283	43	200512	48.988	ug/l	98
44) Trichloroethene	8.941	130	133944	51.606	ug/l	96
45) 1,2-Dichloropropane	9.222	63	136392	52.549	ug/l	100
46) Dibromomethane	9.313	93	72386	52.220	ug/l	97
47) Bromodichloromethane	9.502	83	173230	53.229	ug/l	98
48) Methyl methacrylate	9.301	41	92516	49.678	ug/l	99
49) 1,4-Dioxane	9.307	88	15040	898.686	ug/l	98
51) 4-Methyl-2-Pentanone	10.075	43	536556	250.058	ug/l	100
52) Toluene	10.246	92	315789	52.625	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	183007	50.807	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	210794	51.509	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	100397	52.108	ug/l	98
56) Ethyl methacrylate	10.514	69	144718	52.465	ug/l	98
57) 1,3-Dichloropropane	10.795	76	179241	52.281	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	341488	244.980	ug/l	100
59) 2-Hexanone	10.837	43	364715	251.470	ug/l	99
60) Dibromochloromethane	10.990	129	116809	53.301	ug/l	100
61) 1,2-Dibromoethane	11.093	107	95859	51.875	ug/l	99
64) Tetrachloroethene	10.721	164	139475	51.751	ug/l	97
65) Chlorobenzene	11.520	112	328711	51.474	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	119528	52.504	ug/l	99
67) Ethyl Benzene	11.593	91	607014	51.436	ug/l	100
68) m/p-Xylenes	11.703	106	454955	102.891	ug/l	100
69) o-Xylene	12.032	106	214576	52.112	ug/l	100
70) Styrene	12.044	104	365640	53.297	ug/l	100
71) Bromoform	12.209	173	69361	51.674	ug/l #	98
73) Isopropylbenzene	12.331	105	573496	50.735	ug/l	99
74) N-amyl acetate	12.148	43	182703	50.096	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	111016	48.924	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	76155m	46.426	ug/l	
77) Bromobenzene	12.611	156	127859	50.623	ug/l	98
78) n-propylbenzene	12.672	91	699217	51.317	ug/l	100
79) 2-Chlorotoluene	12.758	91	382478	50.354	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	476566	51.104	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	40882	45.802	ug/l	98
82) 4-Chlorotoluene	12.855	91	392802	50.607	ug/l	99
83) tert-Butylbenzene	13.075	119	397828	50.432	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	475398	51.296	ug/l	100
85) sec-Butylbenzene	13.257	105	588398	51.236	ug/l	100
86) p-Isopropyltoluene	13.367	119	507211	51.487	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	246761	51.324	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	242486	50.568	ug/l	99
89) n-Butylbenzene	13.696	91	488003	51.503	ug/l	99
90) Hexachloroethane	13.965	117	76202	52.116	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	222733	52.432	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17592	46.823	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	137200	51.428	ug/l	98
94) Hexachlorobutadiene	15.111	225	73067	51.912	ug/l	99
95) Naphthalene	15.239	128	302117	51.513	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	121286	51.642	ug/l	99

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

