

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090721\
 Data File : VY005936.D
 Acq On : 07 Sep 2021 11:50
 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
 9/8/2021 7:11:07 PM

Quant Time: Sep 07 13:50:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 01 05:32:43 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	292379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	357366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	327999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	172285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	120392	40.861	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.720%
35) Dibromofluoromethane	7.722	113	118273	58.932	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	117.860%
50) Toluene-d8	10.185	98	422617	50.175	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.340%
62) 4-Bromofluorobenzene	12.483	95	141387	49.991	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.980%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	120230	46.054	ug/l	99
3) Chloromethane	2.119	50	118785	42.960	ug/l	100
4) Vinyl Chloride	2.259	62	157262	43.758	ug/l	98
5) Bromomethane	2.656	94	119258	49.183	ug/l	96
6) Chloroethane	2.802	64	98598	45.881	ug/l	96
7) Trichlorofluoromethane	3.131	101	235090	51.210	ug/l	98
8) Diethyl Ether	3.534	74	77053	49.307	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.905	101	140102	56.676	ug/l	99
10) Methyl Iodide	4.101	142	162015	52.153	ug/l	95
11) Tert butyl alcohol	4.960	59	67048	115.723	ug/l #	95
12) 1,1-Dichloroethene	3.881	96	135782	54.101	ug/l	91
13) Acrolein	3.741	56	24910	267.418	ug/l	95
14) Allyl chloride	4.491	41	207203	49.089	ug/l	93
15) Acrylonitrile	5.173	53	175028	221.471	ug/l	99
16) Acetone	3.954	43	187458	249.519	ug/l	95
17) Carbon Disulfide	4.204	76	418433	52.196	ug/l	99
18) Methyl Acetate	4.485	43	85795	41.132	ug/l	95
19) Methyl tert-butyl Ether	5.228	73	367434	48.765	ug/l	98
20) Methylene Chloride	4.722	84	176451	62.889	ug/l	94
21) trans-1,2-Dichloroethene	5.228	96	152079	54.306	ug/l	96
22) Diisopropyl ether	6.125	45	414233	48.301	ug/l	95
23) Vinyl Acetate	6.070	43	1187523	228.175	ug/l	98
24) 1,1-Dichloroethane	6.027	63	250548	51.215	ug/l	98
25) 2-Butanone	6.996	43	239397	225.561	ug/l	96
26) 2,2-Dichloropropane	6.990	77	235317	51.413	ug/l	96
27) cis-1,2-Dichloroethene	6.996	96	167958	53.376	ug/l	95
28) Bromochloromethane	7.338	49	90215	44.734	ug/l	91
29) Tetrahydrofuran	7.350	42	141621	205.939	ug/l	95
30) Chloroform	7.515	83	259092	51.611	ug/l	99
31) Cyclohexane	7.789	56	240782	48.451	ug/l	94
32) 1,1,1-Trichloroethane	7.704	97	242558	51.894	ug/l	97
36) 1,1-Dichloropropene	7.923	75	207914	61.793	ug/l	98
37) Ethyl Acetate	7.082	43	95747	47.516	ug/l #	96
38) Carbon Tetrachloride	7.905	117	226486	62.102	ug/l	100
39) Methylcyclohexane	9.185	83	235422	55.242	ug/l	95
40) Benzene	8.167	78	587979	61.853	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	59008m	52.586	ug/l	
42) 1,2-Dichloroethane	8.240	62	146273	47.371	ug/l	96
43) Isopropyl Acetate	8.277	43	160342	43.809	ug/l	95
44) Trichloroethene	8.941	130	151270	56.743	ug/l	100
45) 1,2-Dichloropropane	9.222	63	120549	51.683	ug/l	99
46) Dibromomethane	9.307	93	69117	51.492	ug/l	95
47) Bromodichloromethane	9.502	83	172524	52.887	ug/l	99
48) Methyl methacrylate	9.295	41	75870	45.102	ug/l	94
49) 1,4-Dioxane	9.301	88	17415	942.055	ug/l	99
51) 4-Methyl-2-Pentanone	10.075	43	422308	214.150	ug/l	97
52) Toluene	10.246	92	336371	54.904	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	185692	51.337	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	208454	52.525	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	100297	52.168	ug/l	99
56) Ethyl methacrylate	10.514	69	138241	49.675	ug/l	92
57) 1,3-Dichloropropane	10.794	76	170205	51.064	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	315072	219.342	ug/l	97
59) 2-Hexanone	10.837	43	309822	224.882	ug/l	95
60) Dibromochloromethane	10.990	129	131727	55.807	ug/l	99
61) 1,2-Dibromoethane	11.093	107	98947	54.028	ug/l	100
64) Tetrachloroethene	10.721	164	154008	57.346	ug/l	97
65) Chlorobenzene	11.520	112	361729	54.964	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	138741	56.313	ug/l	99
67) Ethyl Benzene	11.593	91	656385	55.792	ug/l	100
68) m/p-Xylenes	11.703	106	522571	112.639	ug/l	98
69) o-Xylene	12.032	106	247759	56.883	ug/l	97
70) Styrene	12.044	104	418080	56.273	ug/l	99
71) Bromoform	12.209	173	91114	56.093	ug/l #	99
73) Isopropylbenzene	12.331	105	658530	57.347	ug/l	100
74) N-amyl acetate	12.142	43	147211	44.683	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	110726	50.667	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	74472m	46.183	ug/l	
77) Bromobenzene	12.611	156	164132	56.747	ug/l	93
78) n-propylbenzene	12.672	91	773849	56.387	ug/l	99
79) 2-Chlorotoluene	12.758	91	431954	56.538	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	545022	56.649	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	41623	49.089	ug/l	94
82) 4-Chlorotoluene	12.855	91	451175	56.287	ug/l	99
83) tert-Butylbenzene	13.075	119	487235	57.939	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	540109	56.595	ug/l	100
85) sec-Butylbenzene	13.257	105	715709	57.745	ug/l	100
86) p-Isopropyltoluene	13.367	119	620394	57.766	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	321539	57.134	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	311826	55.470	ug/l	100
89) n-Butylbenzene	13.696	91	543136	56.524	ug/l	99
90) Hexachloroethane	13.959	117	111224	57.067	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	279681	56.046	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	18800	45.869	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	187659	55.711	ug/l	100
94) Hexachlorobutadiene	15.111	225	128849	59.382	ug/l	99
95) Naphthalene	15.239	128	331523	51.229	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	161426	54.892	ug/l	100

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

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