

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072221\
 Data File : VY005412.D
 Acq On : 22 Jul 2021 12:36
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 7/23/2021 5:47:54 PM

Quant Time: Jul 23 05:49:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 05:45:30 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	311261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	460471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	419122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	211864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	490562	147.523	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 295.040%#	
35) Dibromofluoromethane	7.728	113	400557	150.653	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 301.300%#	
50) Toluene-d8	10.185	98	1695407	150.449	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 300.900%#	
62) 4-Bromofluorobenzene	12.483	95	548050	147.354	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 294.700%#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	367083	130.273	ug/l	100
3) Chloromethane	2.113	50	515337	149.192	ug/l	100
4) Vinyl Chloride	2.259	62	585247	142.286	ug/l	98
5) Bromomethane	2.637	94	386986	128.741	ug/l	99
6) Chloroethane	2.790	64	338401	130.961	ug/l	100
7) Trichlorofluoromethane	3.125	101	695186	129.246	ug/l	99
8) Diethyl Ether	3.534	74	253717	133.993	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.905	101	379721	129.894	ug/l	99
10) Methyl Iodide	4.094	142	498697	150.314	ug/l	96
11) Tert butyl alcohol	4.985	59	206774	658.241	ug/l #	87
12) 1,1-Dichloroethene	3.881	96	394868	132.690	ug/l	98
13) Acrolein	3.735	56	180881	628.811	ug/l	97
14) Allyl chloride	4.491	41	728482	136.790	ug/l	98
15) Acrylonitrile	5.174	53	630959	670.999	ug/l	99
16) Acetone	3.960	43	494971	651.788	ug/l	98
17) Carbon Disulfide	4.198	76	1278974	129.971	ug/l	100
18) Methyl Acetate	4.485	43	283907	133.005	ug/l	100
19) Methyl tert-butyl Ether	5.235	73	1253558	139.607	ug/l	99
20) Methylene Chloride	4.722	84	449620	102.185	ug/l	99
21) trans-1,2-Dichloroethene	5.228	96	453058	135.513	ug/l	98
22) Diisopropyl ether	6.131	45	1487463	143.906	ug/l	96
23) Vinyl Acetate	6.070	43	4960122	729.556	ug/l	99
24) 1,1-Dichloroethane	6.027	63	813580	142.797	ug/l	99
25) 2-Butanone	6.996	43	828684	728.686	ug/l	100
26) 2,2-Dichloropropane	6.990	77	730223	140.946	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	516151	144.323	ug/l	100
28) Bromochloromethane	7.344	49	313869	136.847	ug/l	99
29) Tetrahydrofuran	7.356	42	556309	738.689	ug/l	99
30) Chloroform	7.515	83	814547	144.513	ug/l	97
31) Cyclohexane	7.789	56	774975	136.489	ug/l	94
32) 1,1,1-Trichloroethane	7.710	97	752032	144.108	ug/l	99
36) 1,1-Dichloropropene	7.923	75	654342	146.967	ug/l	100
37) Ethyl Acetate	7.082	43	375906	138.697	ug/l	98
38) Carbon Tetrachloride	7.905	117	692319	142.297	ug/l	100
39) Methylcyclohexane	9.185	83	826927	144.842	ug/l	98
40) Benzene	8.167	78	1865476	145.799	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	214358m	118.409	ug/l	
42) 1,2-Dichloroethane	8.240	62	593440	143.377	ug/l	100
43) Isopropyl Acetate	8.277	43	740949	150.966	ug/l	99
44) Trichloroethene	8.941	130	497880	143.482	ug/l	96
45) 1,2-Dichloropropane	9.222	63	464778	147.528	ug/l	99
46) Dibromomethane	9.313	93	252857	145.822	ug/l	97
47) Bromodichloromethane	9.502	83	642983	147.519	ug/l	99
48) Methyl methacrylate	9.301	41	346010	151.594	ug/l	99
49) 1,4-Dioxane	9.307	88	71464	2921.699	ug/l #	99
51) 4-Methyl-2-Pentanone	10.075	43	1929579	740.554	ug/l	99
52) Toluene	10.246	92	1189384	146.386	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	720908	147.853	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	788144	147.049	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	361295	145.181	ug/l	98
56) Ethyl methacrylate	10.514	69	570742	151.888	ug/l	99
57) 1,3-Dichloropropane	10.794	76	643907	145.479	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	1445755	804.498	ug/l	99
59) 2-Hexanone	10.837	43	1349474	738.939	ug/l	99
60) Dibromochloromethane	10.990	129	443325	145.863	ug/l	99
61) 1,2-Dibromoethane	11.093	107	346529	147.108	ug/l	99
64) Tetrachloroethene	10.721	164	443201	139.976	ug/l	98
65) Chlorobenzene	11.520	112	1251433	145.782	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	477319	148.877	ug/l	99
67) Ethyl Benzene	11.593	91	2335573	149.454	ug/l	100
68) m/p-Xylenes	11.709	106	1810339	298.337	ug/l	98
69) o-Xylene	12.032	106	862861	149.466	ug/l	100
70) Styrene	12.044	104	1476561	150.630	ug/l	99
71) Bromoform	12.215	173	296964	144.924	ug/l #	99
73) Isopropylbenzene	12.331	105	2181812	149.335	ug/l	100
74) N-amyl acetate	12.148	43	690622	155.259	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	419847	150.511	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	312586m	199.911	ug/l	
77) Bromobenzene	12.611	156	533608	149.144	ug/l	97
78) n-propylbenzene	12.672	91	2588608	146.855	ug/l	100
79) 2-Chlorotoluene	12.758	91	1467024	148.168	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	1795264	147.115	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	160959	149.920	ug/l	99
82) 4-Chlorotoluene	12.861	91	1511358	147.482	ug/l	100
83) tert-Butylbenzene	13.081	119	1593157	146.568	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	1819866	148.684	ug/l	100
85) sec-Butylbenzene	13.257	105	2280337	145.446	ug/l	100
86) p-Isopropyltoluene	13.373	119	1990579	147.459	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	1043821	148.758	ug/l	100
88) 1,4-Dichlorobenzene	13.453	146	1001695	144.073	ug/l	99
89) n-Butylbenzene	13.696	91	1799030	145.191	ug/l	99
90) Hexachloroethane	13.965	117	359617	148.202	ug/l	97
91) 1,2-Dichlorobenzene	13.745	146	906181	144.619	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	79136	146.296	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	625254	144.623	ug/l	100
94) Hexachlorobutadiene	15.117	225	381756	139.325	ug/l	99
95) Naphthalene	15.239	128	1316729	151.404	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	566073	145.263	ug/l	99

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

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