

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021422\
 Data File : VY007495.D
 Acq On : 14 Feb 2022 15:38
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 15 03:47:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 03:43:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	130329	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	209935	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	179283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	78509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	192995	135.032	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 270.060%#			
35) Dibromofluoromethane	7.722	113	188072	142.075	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 284.140%#			
50) Toluene-d8	10.185	98	702993	139.704	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 279.400%#			
62) 4-Bromofluorobenzene	12.483	95	229747	133.837	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 267.680%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	200869	138.225	ug/l	99
3) Chloromethane	2.119	50	196925	138.266	ug/l	96
4) Vinyl Chloride	2.259	62	197126	138.060	ug/l	99
5) Bromomethane	2.650	94	123160	120.970	ug/l	97
6) Chloroethane	2.802	64	120785	140.188	ug/l	99
7) Trichlorofluoromethane	3.131	101	399341	145.244	ug/l	96
8) Diethyl Ether	3.534	74	107084	135.832	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.905	101	218750	144.123	ug/l	94
10) Methyl Iodide	4.101	142	273179	150.812	ug/l	95
11) Tert butyl alcohol	4.966	59	66648	590.218	ug/l #	93
12) 1,1-Dichloroethene	3.881	96	203415	144.586	ug/l	82
13) Acrolein	3.735	56	61411	553.818	ug/l	96
14) Allyl chloride	4.485	41	278146	140.875	ug/l #	90
15) Acrylonitrile	5.173	53	222838	646.203	ug/l	98
16) Acetone	3.954	43	267633	705.695	ug/l	92
17) Carbon Disulfide	4.204	76	565336	140.008	ug/l	99
18) Methyl Acetate	4.485	43	96176	119.095	ug/l #	86
19) Methyl tert-butyl Ether	5.228	73	523353	134.379	ug/l	94
20) Methylene Chloride	4.728	84	204513	130.041	ug/l #	83
21) trans-1,2-Dichloroethene	5.228	96	218536	142.662	ug/l	88
22) Diisopropyl ether	6.125	45	562390	137.158	ug/l #	94
23) Vinyl Acetate	6.064	43	1782041	680.203	ug/l #	92
24) 1,1-Dichloroethane	6.027	63	365189	142.085	ug/l	99
25) 2-Butanone	6.990	43	303514	650.670	ug/l #	84
26) 2,2-Dichloropropane	6.990	77	381412	146.901	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	243084	142.420	ug/l	88
28) Bromochloromethane	7.344	49	141652	143.926	ug/l #	76
29) Tetrahydrofuran	7.356	42	170127	627.413	ug/l #	82
30) Chloroform	7.508	83	397491	142.462	ug/l	100
31) Cyclohexane	7.789	56	338287	134.578	ug/l	91
32) 1,1,1-Trichloroethane	7.710	97	392799	146.647	ug/l	95
36) 1,1-Dichloropropene	7.923	75	315983	148.296	ug/l	98
37) Ethyl Acetate	7.082	43	121440	127.335	ug/l #	94
38) Carbon Tetrachloride	7.905	117	361106	148.185	ug/l	99
39) Methylcyclohexane	9.191	83	403000	146.265	ug/l	88
40) Benzene	8.167	78	850772	145.584	ug/l	97

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41) Methacrylonitrile	7.344	41	106514m	147.759	ug/l	
42) 1,2-Dichloroethane	8.246	62	251396	139.846	ug/l	95
43) Isopropyl Acetate	8.277	43	255666	131.926	ug/l #	89
44) Trichloroethene	8.947	130	241388	144.402	ug/l	97
45) 1,2-Dichloropropane	9.222	63	199298	144.233	ug/l	94
46) Dibromomethane	9.313	93	118165	137.307	ug/l	95
47) Bromodichloromethane	9.502	83	305558	145.972	ug/l	98
48) Methyl methacrylate	9.295	41	118093	138.211	ug/l #	87
49) 1,4-Dioxane	9.307	88	24892	2666.923	ug/l #	80
51) 4-Methyl-2-Pentanone	10.075	43	624740	650.461	ug/l	90
52) Toluene	10.246	92	548194	145.556	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	311038	142.075	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	351887	143.947	ug/l #	87
55) 1,1,2-Trichloroethane	10.648	97	157472	136.162	ug/l	98
56) Ethyl methacrylate	10.514	69	211003	137.214	ug/l #	81
57) 1,3-Dichloropropane	10.794	76	272707	138.683	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	572980	712.661	ug/l	92
59) 2-Hexanone	10.837	43	454287	655.128	ug/l	89
60) Dibromochloromethane	10.990	129	206002	141.599	ug/l	100
61) 1,2-Dibromoethane	11.093	107	155665	136.381	ug/l	100
64) Tetrachloroethene	10.727	164	203092	143.889	ug/l	95
65) Chlorobenzene	11.520	112	573264	146.763	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	216468	146.103	ug/l	99
67) Ethyl Benzene	11.599	91	1085185	148.704	ug/l	99
68) m/p-Xylenes	11.709	106	819545	296.351	ug/l	98
69) o-Xylene	12.032	106	382452	145.351	ug/l	98
70) Styrene	12.050	104	638954	148.300	ug/l	98
71) Bromoform	12.215	173	115124	140.745	ug/l #	99
73) Isopropylbenzene	12.337	105	1037010	149.639	ug/l	99
74) N-amyl acetate	12.148	43	215189	138.899	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.587	83	162282	137.214	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	126294m	122.204	ug/l	
77) Bromobenzene	12.611	156	218025	146.194	ug/l	96
78) n-propylbenzene	12.678	91	1235712	148.464	ug/l	100
79) 2-Chlorotoluene	12.757	91	678227	147.649	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	843139	146.908	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	60011	137.693	ug/l	88
82) 4-Chlorotoluene	12.861	91	691878	146.556	ug/l	100
83) tert-Butylbenzene	13.081	119	739790	147.373	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	818435	147.523	ug/l	99
85) sec-Butylbenzene	13.257	105	1092224	147.861	ug/l	99
86) p-Isopropyltoluene	13.373	119	905770	148.660	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	423868	146.082	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	412821	143.416	ug/l	98
89) n-Butylbenzene	13.702	91	859075	148.036	ug/l	100
90) Hexachloroethane	13.965	117	175174	150.586	ug/l	82
91) 1,2-Dichlorobenzene	13.745	146	367277	143.599	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	26511	131.685	ug/l	86
93) 1,2,4-Trichlorobenzene	15.013	180	229039	148.631	ug/l	98
94) Hexachlorobutadiene	15.117	225	131971	147.425	ug/l	99
95) Naphthalene	15.239	128	464519	138.909	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	192004	144.290	ug/l	98

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

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