

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050222\
 Data File : VY008575.D
 Acq On : 02 May 2022 16:42
 Operator : KP/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: May 03 01:20:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 01:17:13 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/03/2022
 Supervised By : Mahesh Dadoda 05/03/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	150627	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	227847	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	210672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	108015	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	151392	89.740	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 179.480%#			
35) Dibromofluoromethane	7.716	113	157225	108.585	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 217.160%#			
50) Toluene-d8	10.179	98	565529	107.550	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 215.100%#			
62) 4-Bromofluorobenzene	12.483	95	200219	102.769	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 205.540%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	135016	98.769	ug/l	98
3) Chloromethane	2.113	50	162522	79.151	ug/l	96
4) Vinyl Chloride	2.253	62	198773	75.281	ug/l	97
5) Bromomethane	2.644	94	151075	61.808	ug/l	94
6) Chloroethane	2.790	64	129346	73.738	ug/l	97
7) Trichlorofluoromethane	3.125	101	277489	96.593	ug/l	94
8) Diethyl Ether	3.528	74	90325	92.833	ug/l	69
9) 1,1,2-Trichlorotrifluo...	3.899	101	163230	95.535	ug/l	92
10) Methyl Iodide	4.088	142	238641	116.601	ug/l	88
11) Tert butyl alcohol	4.948	59	73316	368.957	ug/l	96
12) 1,1-Dichloroethene	3.869	96	154323	95.986	ug/l	# 78
13) Acrolein	3.729	56	95593	507.369	ug/l	97
14) Allyl chloride	4.479	41	192481	92.806	ug/l	# 88
15) Acrylonitrile	5.161	53	208652	427.776	ug/l	98
16) Acetone	3.942	43	149807	384.592	ug/l	# 87
17) Carbon Disulfide	4.192	76	453590	94.317	ug/l	100
18) Methyl Acetate	4.479	43	89568	80.689	ug/l	# 80
19) Methyl tert-butyl Ether	5.216	73	435607	88.033	ug/l	93
20) Methylene Chloride	4.710	84	176358	69.769	ug/l	# 76
21) trans-1,2-Dichloroethene	5.216	96	178283	92.069	ug/l	# 81
22) Diisopropyl ether	6.119	45	440805	88.903	ug/l	# 91
23) Vinyl Acetate	6.058	43	1501186	445.811	ug/l	# 86
24) 1,1-Dichloroethane	6.015	63	273631	88.462	ug/l	96
25) 2-Butanone	6.984	43	250237	412.830	ug/l	# 76
26) 2,2-Dichloropropane	6.978	77	258831	89.797	ug/l	91
27) cis-1,2-Dichloroethene	6.984	96	203230	91.965	ug/l	79
28) Bromochloromethane	7.332	49	100406	81.981	ug/l	# 57
29) Tetrahydrofuran	7.344	42	169607	431.080	ug/l	# 74
30) Chloroform	7.509	83	304229	89.400	ug/l	99
31) Cyclohexane	7.783	56	244398	85.911	ug/l	# 85
32) 1,1,1-Trichloroethane	7.704	97	282257	93.860	ug/l	# 93
36) 1,1-Dichloropropene	7.917	75	230526	98.836	ug/l	93
37) Ethyl Acetate	7.070	43	117060	92.073	ug/l	# 90
38) Carbon Tetrachloride	7.899	117	264311	107.373	ug/l	99
39) Methylcyclohexane	9.185	83	311068	103.625	ug/l	# 83
40) Benzene	8.161	78	670208	98.886	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	51290m	83.520	ug/l	
42) 1,2-Dichloroethane	8.240	62	190541	94.340	ug/l	89
43) Isopropyl Acetate	8.271	43	220231	94.779	ug/l #	85
44) Trichloroethene	8.941	130	205504	107.457	ug/l	94
45) 1,2-Dichloropropane	9.216	63	156930	97.151	ug/l	94
46) Dibromomethane	9.307	93	107444	95.405	ug/l	93
47) Bromodichloromethane	9.496	83	239030	99.207	ug/l	99
48) Methyl methacrylate	9.289	41	100194	101.245	ug/l #	77
49) 1,4-Dioxane	9.295	88	28126	1969.489	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	574497	470.533	ug/l #	83
52) Toluene	10.246	92	455287	101.472	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	260525	101.327	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	285060	99.400	ug/l #	80
55) 1,1,2-Trichloroethane	10.642	97	151324	98.074	ug/l	96
56) Ethyl methacrylate	10.508	69	202682	102.060	ug/l #	72
57) 1,3-Dichloropropane	10.788	76	240350	95.658	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	497185	461.054	ug/l #	87
59) 2-Hexanone	10.831	43	398039	475.107	ug/l	80
60) Dibromochloromethane	10.984	129	191887	106.541	ug/l	99
61) 1,2-Dibromoethane	11.087	107	152931	99.637	ug/l	100
64) Tetrachloroethene	10.721	164	186474	114.740	ug/l	97
65) Chlorobenzene	11.514	112	499251	103.793	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	192865	108.119	ug/l	98
67) Ethyl Benzene	11.593	91	860515	103.331	ug/l	95
68) m/p-Xylenes	11.703	106	706917	211.750	ug/l	88
69) o-Xylene	12.032	106	337884	105.189	ug/l	88
70) Styrene	12.044	104	576644	107.116	ug/l	93
71) Bromoform	12.209	173	129915	115.391	ug/l #	99
73) Isopropylbenzene	12.331	105	872795	106.337	ug/l	98
74) N-amyl acetate	12.142	43	202497	102.322	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.581	83	173446	97.200	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	131233m	98.497	ug/l	
77) Bromobenzene	12.611	156	225232	111.875	ug/l	84
78) n-propylbenzene	12.672	91	1000195	102.247	ug/l	95
79) 2-Chlorotoluene	12.758	91	564609	102.587	ug/l	93
80) 1,3,5-Trimethylbenzene	12.812	105	713968	104.657	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.380	75	61976	104.971	ug/l #	80
82) 4-Chlorotoluene	12.855	91	576838	101.471	ug/l	93
83) tert-Butylbenzene	13.075	119	632591	106.279	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	706455	104.483	ug/l	95
85) sec-Butylbenzene	13.258	105	927951	103.978	ug/l	97
86) p-Isopropyltoluene	13.367	119	792644	105.345	ug/l	95
87) 1,3-Dichlorobenzene	13.367	146	429060	106.404	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	417873	104.621	ug/l	97
89) n-Butylbenzene	13.696	91	691710	102.340	ug/l	97
90) Hexachloroethane	13.965	117	146122	108.352	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	377026	104.999	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	26024	96.802	ug/l	57
93) 1,2,4-Trichlorobenzene	15.007	180	240020	117.377	ug/l	100
94) Hexachlorobutadiene	15.117	225	130408	126.337	ug/l	98
95) Naphthalene	15.239	128	496369	109.911	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	210809	117.672	ug/l	100

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

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