

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021423\
 Data File : VY012600.D
 Acq On : 14 Feb 2023 20:05
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 15 04:34:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	122666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	180751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	175420	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	99531	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	83617	53.606	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.220%	
35) Dibromofluoromethane	7.716	113	72277	54.908	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.820%	
50) Toluene-d8	10.179	98	293907	53.643	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.280%	
62) 4-Bromofluorobenzene	12.477	95	103569	54.194	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 108.380%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	36458	41.462	ug/l	96
3) Chloromethane	2.113	50	39056	40.864	ug/l	99
4) Vinyl Chloride	2.253	62	50402	42.329	ug/l	98
5) Bromomethane	2.650	94	43148	49.618	ug/l	98
6) Chloroethane	2.790	64	38257	46.159	ug/l	99
7) Trichlorofluoromethane	3.125	101	111912	45.726	ug/l	94
8) Diethyl Ether	3.528	74	35463	48.866	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.899	101	57158	46.248	ug/l	99
10) Methyl Iodide	4.088	142	75496	47.120	ug/l	100
11) Tert butyl alcohol	4.954	59	34036	225.090	ug/l	97
12) 1,1-Dichloroethene	3.869	96	54965	45.010	ug/l	98
13) Acrolein	3.729	56	47543	259.266	ug/l	100
14) Allyl chloride	4.479	41	66918	44.944	ug/l	98
15) Acrylonitrile	5.161	53	89930	268.596	ug/l	99
16) Acetone	3.942	43	79025	210.491	ug/l	99
17) Carbon Disulfide	4.192	76	125622	39.661	ug/l	99
18) Methyl Acetate	4.472	43	45250	50.145	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	190361	53.272	ug/l	99
20) Methylene Chloride	4.716	84	71524	51.088	ug/l	95
21) trans-1,2-Dichloroethene	5.216	96	63060	47.349	ug/l	97
22) Diisopropyl ether	6.119	45	154046	50.882	ug/l	97
23) Vinyl Acetate	6.058	43	477201	261.462	ug/l	96
24) 1,1-Dichloroethane	6.015	63	104430	48.251	ug/l	99
25) 2-Butanone	6.984	43	98945	237.538	ug/l	96
26) 2,2-Dichloropropane	6.984	77	110700	46.553	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	77821	50.352	ug/l	98
28) Bromochloromethane	7.332	49	44613	56.707	ug/l	99
29) Tetrahydrofuran	7.344	42	60207	267.359	ug/l	96
30) Chloroform	7.502	83	133261	51.070	ug/l	99
31) Cyclohexane	7.783	56	75672	41.959	ug/l	92
32) 1,1,1-Trichloroethane	7.704	97	127207	50.237	ug/l	99
36) 1,1-Dichloropropene	7.917	75	83587	46.918	ug/l	99
37) Ethyl Acetate	7.070	43	42031	52.285	ug/l	98
38) Carbon Tetrachloride	7.899	117	118230	49.438	ug/l	96
39) Methylcyclohexane	9.179	83	97499	45.481	ug/l	99
40) Benzene	8.155	78	259244	49.268	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	19773m	44.896	ug/l	
42) 1,2-Dichloroethane	8.234	62	91027	53.373	ug/l	100
43) Isopropyl Acetate	8.271	43	80859	54.251	ug/l	100
44) Trichloroethene	8.941	130	80701	50.382	ug/l	99
45) 1,2-Dichloropropane	9.216	63	57474	50.373	ug/l	99
46) Dibromomethane	9.301	93	40708	53.883	ug/l	99
47) Bromodichloromethane	9.496	83	103654	52.915	ug/l	97
48) Methyl methacrylate	9.289	41	36370	53.385	ug/l	94
49) 1,4-Dioxane	9.295	88	12144	1164.430	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	229228	285.055	ug/l	100
52) Toluene	10.240	92	181527	50.872	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	104642	53.013	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	110470	51.717	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	60357	54.676	ug/l	97
56) Ethyl methacrylate	10.508	69	77886	56.158	ug/l	97
57) 1,3-Dichloropropane	10.788	76	95106	53.382	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	172785	277.172	ug/l	97
59) 2-Hexanone	10.831	43	165310	272.021	ug/l	99
60) Dibromochloromethane	10.984	129	81860	55.630	ug/l	99
61) 1,2-Dibromoethane	11.087	107	56546	54.669	ug/l	98
64) Tetrachloroethene	10.721	164	95009	51.878	ug/l	96
65) Chlorobenzene	11.514	112	205282	49.339	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	84291	51.698	ug/l	99
67) Ethyl Benzene	11.593	91	357306	48.917	ug/l	99
68) m/p-Xylenes	11.703	106	286485	98.259	ug/l	98
69) o-Xylene	12.026	106	138122	49.744	ug/l	99
70) Styrene	12.044	104	242271	51.448	ug/l	99
71) Bromoform	12.209	173	56842	55.156	ug/l #	99
73) Isopropylbenzene	12.331	105	373292	46.356	ug/l	99
74) N-amyl acetate	12.142	43	71795	49.252	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	64124	49.247	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	56247m	50.582	ug/l	
77) Bromobenzene	12.605	156	93532	47.922	ug/l	98
78) n-propylbenzene	12.672	91	421210	45.445	ug/l	100
79) 2-Chlorotoluene	12.758	91	245104	46.584	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	325516	46.958	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	24381	49.443	ug/l	99
82) 4-Chlorotoluene	12.855	91	256734	46.515	ug/l	100
83) tert-Butylbenzene	13.075	119	286881	47.193	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	324006	47.502	ug/l	99
85) sec-Butylbenzene	13.251	105	405613	46.641	ug/l	99
86) p-Isopropyltoluene	13.367	119	355219	47.084	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	184891	47.610	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	182633	46.950	ug/l	99
89) n-Butylbenzene	13.696	91	297575	46.151	ug/l	100
90) Hexachloroethane	13.959	117	64510	46.585	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	171447	49.076	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13422	51.799	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	108135	49.955	ug/l	98
94) Hexachlorobutadiene	15.111	225	63398	47.146	ug/l	100
95) Naphthalene	15.233	128	229002	55.110	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	95822	51.140	ug/l	100

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

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