

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022425\
 Data File : VY021304.D
 Acq On : 24 Feb 2025 16:37
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Feb 25 01:24:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022425S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 25 01:17:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	155649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	239339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	216019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	107653	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	162160	97.987	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 195.980%#	
35) Dibromofluoromethane	7.634	113	146576	95.824	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 191.640%#	
50) Toluene-d8	10.103	98	567879	101.345	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 202.700%#	
62) 4-Bromofluorobenzene	12.408	95	192878	99.670	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 199.340%#	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	112048	106.801	ug/l	97
3) Chloromethane	2.068	50	155172	109.544	ug/l	98
4) Vinyl Chloride	2.202	62	171885	124.808	ug/l	100
5) Bromomethane	2.586	94	108714	115.749	ug/l	99
6) Chloroethane	2.733	64	111960	119.190	ug/l	99
7) Trichlorofluoromethane	3.056	101	259791	113.296	ug/l	98
8) Diethyl Ether	3.452	74	82358	116.181	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	147643	107.020	ug/l	98
10) Methyl Iodide	4.001	142	180887	139.342	ug/l	99
11) Tert butyl alcohol	4.860	59	60946	438.371	ug/l	98
12) 1,1-Dichloroethene	3.787	96	143397	122.622	ug/l	98
13) Acrolein	3.653	56	33790	539.719	ug/l	95
14) Allyl chloride	4.385	41	260573	120.460	ug/l	99
15) Acrylonitrile	5.055	53	188735	557.553	ug/l	99
16) Acetone	3.867	43	156654	505.744	ug/l	97
17) Carbon Disulfide	4.104	76	435617	159.281	ug/l	99
18) Methyl Acetate	4.385	43	111798	119.894	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	411242	110.946	ug/l	99
20) Methylene Chloride	4.616	84	156819	103.691	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	158984	124.176	ug/l	99
22) Diisopropyl ether	6.019	45	562773	110.207	ug/l	98
23) Vinyl Acetate	5.958	43	1679202	589.590	ug/l	100
24) 1,1-Dichloroethane	5.915	63	304448	109.202	ug/l	99
25) 2-Butanone	6.890	43	261138	549.639	ug/l	96
26) 2,2-Dichloropropane	6.884	77	272537	104.672	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	189134	113.136	ug/l	99
28) Bromochloromethane	7.244	49	135810	107.809	ug/l	100
29) Tetrahydrofuran	7.262	42	173485	585.871	ug/l	99
30) Chloroform	7.421	83	315826	107.529	ug/l	97
31) Cyclohexane	7.701	56	257331	119.680	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	283988	108.325	ug/l	98
36) 1,1-Dichloropropene	7.835	75	224553	121.390	ug/l	100
37) Ethyl Acetate	6.982	43	120051	115.504	ug/l	99
38) Carbon Tetrachloride	7.817	117	258009	112.778	ug/l	100
39) Methylcyclohexane	9.110	83	283135	132.260	ug/l	98
40) Benzene	8.079	78	670707	116.703	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	64894	117.295	ug/l	95
42) 1,2-Dichloroethane	8.158	62	199054	113.416	ug/l	99
43) Isopropyl Acetate	8.195	43	243508	116.336	ug/l #	87
44) Trichloroethene	8.866	130	166775	116.051	ug/l	99
45) 1,2-Dichloropropane	9.140	63	163730	109.284	ug/l	98
46) Dibromomethane	9.231	93	93926	114.594	ug/l	100
47) Bromodichloromethane	9.420	83	246421	108.102	ug/l	100
48) Methyl methacrylate	9.219	41	117852	123.903	ug/l	98
49) 1,4-Dioxane	9.225	88	22174	2377.145	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	643458	578.324	ug/l	100
52) Toluene	10.170	92	435374	118.766	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	239927	117.058	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	269422	115.782	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	123161	108.147	ug/l	97
56) Ethyl methacrylate	10.439	69	188099	126.449	ug/l	99
57) 1,3-Dichloropropane	10.713	76	216519	112.263	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	402947	540.587	ug/l	100
59) 2-Hexanone	10.762	43	440157	603.517	ug/l	99
60) Dibromochloromethane	10.908	129	169500	109.071	ug/l	99
61) 1,2-Dibromoethane	11.012	107	116852	115.161	ug/l	98
64) Tetrachloroethene	10.646	164	154299	114.715	ug/l	96
65) Chlorobenzene	11.444	112	473836	110.609	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	167253	104.274	ug/l	100
67) Ethyl Benzene	11.518	91	857841	114.241	ug/l	100
68) m/p-Xylenes	11.627	106	639751	229.747	ug/l	100
69) o-Xylene	11.950	106	306280	114.345	ug/l	100
70) Styrene	11.969	104	520057	114.471	ug/l	100
71) Bromoform	12.133	173	100582	107.550	ug/l #	99
73) Isopropylbenzene	12.255	105	809128	111.270	ug/l	99
74) N-amyl acetate	12.072	43	233778	121.674	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	144596	105.580	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	103550m	103.884	ug/l	
77) Bromobenzene	12.530	156	187796	108.872	ug/l	99
78) n-propylbenzene	12.597	91	982905	111.265	ug/l	100
79) 2-Chlorotoluene	12.676	91	548727	107.979	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	656229	109.701	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	51949	113.357	ug/l	99
82) 4-Chlorotoluene	12.780	91	567974	107.462	ug/l	100
83) tert-Butylbenzene	12.999	119	600383	107.869	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	664511	110.243	ug/l	100
85) sec-Butylbenzene	13.176	105	860119	107.195	ug/l	100
86) p-Isopropyltoluene	13.292	119	733880	109.298	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	367844	104.727	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	357142	103.088	ug/l	99
89) n-Butylbenzene	13.615	91	697348	108.924	ug/l	100
90) Hexachloroethane	13.883	117	149577	103.901	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	322829	104.205	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	23791	106.000	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	214649	115.765	ug/l	99
94) Hexachlorobutadiene	15.023	225	124984	103.157	ug/l	99
95) Naphthalene	15.145	128	393542	128.008	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	183832	115.480	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

