

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
 Data File : VY021313.D
 Acq On : 25 Feb 2025 15:34
 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 26 02:22:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	363551	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	574112	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	506908	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	245738	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	195878	47.495	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.000%		
35) Dibromofluoromethane	7.634	113	181675	48.267	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.540%		
50) Toluene-d8	10.103	98	702921	48.322	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.640%		
62) 4-Bromofluorobenzene	12.408	95	232158	47.422	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	173147	50.233	ug/l	96
3) Chloromethane	2.068	50	217311	48.817	ug/l	99
4) Vinyl Chloride	2.202	62	220777	50.529	ug/l	98
5) Bromomethane	2.586	94	131328	45.231	ug/l	99
6) Chloroethane	2.733	64	134790	49.747	ug/l	99
7) Trichlorofluoromethane	3.056	101	330332	50.061	ug/l	97
8) Diethyl Ether	3.452	74	101667	51.334	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	195162	51.085	ug/l	99
10) Methyl Iodide	4.001	142	220327	54.818	ug/l	99
11) Tert butyl alcohol	4.860	59	71867	226.550	ug/l	99
12) 1,1-Dichloroethene	3.787	96	187234	51.185	ug/l	97
13) Acrolein	3.647	56	12083	49.706	ug/l	97
14) Allyl chloride	4.379	41	334037	51.505	ug/l	99
15) Acrylonitrile	5.055	53	226403	258.555	ug/l	99
16) Acetone	3.867	43	184445	233.146	ug/l	99
17) Carbon Disulfide	4.104	76	607510	50.014	ug/l	99
18) Methyl Acetate	4.385	43	99337	51.380	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	509081	52.675	ug/l	98
20) Methylene Chloride	4.616	84	198250	46.342	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	203868	50.626	ug/l	96
22) Diisopropyl ether	6.019	45	690486	51.449	ug/l	96
23) Vinyl Acetate	5.958	43	2136335	266.380	ug/l	99
24) 1,1-Dichloroethane	5.915	63	380524	50.306	ug/l	98
25) 2-Butanone	6.890	43	310092	259.714	ug/l	99
26) 2,2-Dichloropropane	6.884	77	340570	49.619	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	234768	51.054	ug/l	100
28) Bromochloromethane	7.244	49	161874	48.364	ug/l	99
29) Tetrahydrofuran	7.256	42	206327	264.373	ug/l	100
30) Chloroform	7.415	83	383158	49.990	ug/l	100
31) Cyclohexane	7.701	56	357179	49.123	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	354305	50.785	ug/l	99
36) 1,1-Dichloropropene	7.835	75	286731	50.714	ug/l	100
37) Ethyl Acetate	6.982	43	142723	50.748	ug/l	99
38) Carbon Tetrachloride	7.817	117	319693	50.297	ug/l	100
39) Methylcyclohexane	9.109	83	375501	52.510	ug/l	98
40) Benzene	8.079	78	833581	49.876	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	68699	43.690	ug/l	86
42) 1,2-Dichloroethane	8.158	62	239091	50.422	ug/l	100
43) Isopropyl Acetate	8.195	43	287112	52.743	ug/l	100
44) Trichloroethene	8.866	130	209830	50.146	ug/l	98
45) 1,2-Dichloropropane	9.140	63	200704	49.900	ug/l	99
46) Dibromomethane	9.231	93	111220	50.588	ug/l	100
47) Bromodichloromethane	9.420	83	296701	50.613	ug/l	99
48) Methyl methacrylate	9.219	41	139687	54.874	ug/l	100
49) 1,4-Dioxane	9.225	88	24931	1019.842	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	748208	268.508	ug/l	100
52) Toluene	10.170	92	527728	50.828	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	283994	52.877	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	325718	51.371	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	143501	50.104	ug/l	98
56) Ethyl methacrylate	10.439	69	221684	56.016	ug/l	99
57) 1,3-Dichloropropane	10.719	76	258424	51.419	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	491951	258.986	ug/l	100
59) 2-Hexanone	10.762	43	507160	277.128	ug/l	99
60) Dibromochloromethane	10.908	129	200773	51.471	ug/l	100
61) 1,2-Dibromoethane	11.012	107	137284	50.630	ug/l	98
64) Tetrachloroethene	10.646	164	190910	49.827	ug/l	100
65) Chlorobenzene	11.438	112	568363	49.950	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	200975	50.442	ug/l	99
67) Ethyl Benzene	11.518	91	1042034	51.701	ug/l	99
68) m/p-Xylenes	11.627	106	772192	101.858	ug/l	99
69) o-Xylene	11.957	106	366144	51.555	ug/l	98
70) Styrene	11.969	104	618430	52.337	ug/l	100
71) Bromoform	12.133	173	117716	51.645	ug/l #	99
73) Isopropylbenzene	12.255	105	978518	52.966	ug/l	99
74) N-amyl acetate	12.072	43	270601	57.626	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	167807	51.467	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	125555m	51.045	ug/l	
77) Bromobenzene	12.530	156	223249	51.954	ug/l	99
78) n-propylbenzene	12.597	91	1182800	52.761	ug/l	100
79) 2-Chlorotoluene	12.682	91	660945	51.372	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	791697	52.250	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	61145	55.252	ug/l	100
82) 4-Chlorotoluene	12.780	91	683092	51.218	ug/l	100
83) tert-Butylbenzene	12.999	119	721974	52.749	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	789885	52.416	ug/l	100
85) sec-Butylbenzene	13.176	105	1042802	52.160	ug/l	100
86) p-Isopropyltoluene	13.292	119	883112	52.901	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	435874	51.279	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	423527	50.437	ug/l	100
89) n-Butylbenzene	13.621	91	842921	53.656	ug/l	99
90) Hexachloroethane	13.883	117	180362	51.723	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	377855	50.738	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	28210	54.694	ug/l	98
93) 1,2,4-Trichlorobenzene	14.926	180	252651	55.585	ug/l	99
94) Hexachlorobutadiene	15.023	225	151048	52.785	ug/l	100
95) Naphthalene	15.145	128	455710	60.530	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	215777	56.187	ug/l	99

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

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