

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY022994.D
 Acq On : 18 Jul 2025 12:27
 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: Jul 19 01:33:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:28:30 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	475954	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	780876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	678532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	336381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	493933	102.513	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 205.020%#			
35) Dibromofluoromethane	7.634	113	482657	97.440	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 194.880%#			
50) Toluene-d8	10.103	98	1910579	97.264	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 194.520%#			
62) 4-Bromofluorobenzene	12.402	95	621212	100.465	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 200.920%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	343933	85.103	ug/l	99
3) Chloromethane	2.068	50	601188	87.486	ug/l	99
4) Vinyl Chloride	2.202	62	785743	90.253	ug/l	98
5) Bromomethane	2.586	94	577639	91.932	ug/l	98
6) Chloroethane	2.733	64	535701	92.133	ug/l	99
7) Trichlorofluoromethane	3.050	101	909366	89.982	ug/l	97
8) Diethyl Ether	3.452	74	255324	96.529	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	469718	88.476	ug/l	100
10) Methyl Iodide	4.001	142	575669	104.378	ug/l	99
11) Tert butyl alcohol	4.860	59	147261	502.619	ug/l	98
12) 1,1-Dichloroethene	3.787	96	460202	90.995	ug/l	97
13) Acrolein	3.653	56	39471	298.871	ug/l	95
14) Allyl chloride	4.379	41	750900	97.457	ug/l	100
15) Acrylonitrile	5.055	53	520028	519.058	ug/l	99
16) Acetone	3.867	43	381982	437.355	ug/l	98
17) Carbon Disulfide	4.104	76	1399893	91.330	ug/l	100
18) Methyl Acetate	4.385	43	307662	104.049	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	1256898	103.613	ug/l	99
20) Methylene Chloride	4.610	84	565355	100.432	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	539769	95.878	ug/l	99
22) Diisopropyl ether	6.019	45	1674257	102.426	ug/l	99
23) Vinyl Acetate	5.958	43	4415435	536.099	ug/l	100
24) 1,1-Dichloroethane	5.909	63	998111	97.216	ug/l	99
25) 2-Butanone	6.890	43	637358	508.682	ug/l	99
26) 2,2-Dichloropropane	6.884	77	850357	94.504	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	647185	99.748	ug/l	99
28) Bromochloromethane	7.244	49	404739	101.639	ug/l	99
29) Tetrahydrofuran	7.262	42	419926	529.354	ug/l	99
30) Chloroform	7.421	83	1018437	98.332	ug/l	98
31) Cyclohexane	7.701	56	844759	88.057	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	884489	94.120	ug/l	100
36) 1,1-Dichloropropene	7.835	75	722234	92.565	ug/l	99
37) Ethyl Acetate	6.982	43	288448	99.541	ug/l	100
38) Carbon Tetrachloride	7.817	117	778082	91.791	ug/l	98
39) Methylcyclohexane	9.110	83	943130	93.389	ug/l	98
40) Benzene	8.079	78	2269537	96.608	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	164406	107.489	ug/l	97
42) 1,2-Dichloroethane	8.158	62	585330	100.148	ug/l	100
43) Isopropyl Acetate	8.195	43	607757	105.586	ug/l #	86
44) Trichloroethene	8.866	130	563155	93.331	ug/l	98
45) 1,2-Dichloropropane	9.140	63	533997	97.337	ug/l	100
46) Dibromomethane	9.225	93	284227	100.232	ug/l	99
47) Bromodichloromethane	9.420	83	781857	99.747	ug/l	99
48) Methyl methacrylate	9.219	41	295029	106.166	ug/l	98
49) 1,4-Dioxane	9.225	88	65215	2181.786	ug/l	93
51) 4-Methyl-2-Pentanone	9.994	43	1565020	535.675	ug/l	98
52) Toluene	10.170	92	1466593	100.411	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	705883	104.909	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	825037	101.731	ug/l	99
55) 1,1,2-Trichloroethane	10.567	97	379653	101.863	ug/l	98
56) Ethyl methacrylate	10.439	69	525284	112.902	ug/l	99
57) 1,3-Dichloropropane	10.713	76	659240	102.392	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	1299087	570.401	ug/l	100
59) 2-Hexanone	10.756	43	1036463	539.710	ug/l	98
60) Dibromochloromethane	10.908	129	502369	102.935	ug/l	100
61) 1,2-Dibromoethane	11.012	107	348166	102.869	ug/l	100
64) Tetrachloroethene	10.646	164	642694	92.667	ug/l	99
65) Chlorobenzene	11.438	112	1553437	97.021	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.512	131	534070	97.795	ug/l	100
67) Ethyl Benzene	11.518	91	2801373	98.709	ug/l	99
68) m/p-Xylenes	11.621	106	2176388	199.933	ug/l	98
69) o-Xylene	11.950	106	1029408	101.898	ug/l	98
70) Styrene	11.963	104	1721270	104.018	ug/l	100
71) Bromoform	12.127	173	291448	105.125	ug/l #	99
73) Isopropylbenzene	12.249	105	2633517	92.342	ug/l	99
74) N-amyl acetate	12.066	43	559798	104.113	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.499	83	391508	94.863	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	390512m	92.242	ug/l	
77) Bromobenzene	12.530	156	591382	95.609	ug/l	100
78) n-propylbenzene	12.591	91	3128958	92.131	ug/l	98
79) 2-Chlorotoluene	12.676	91	1787847	93.601	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	2134216	94.884	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	136910	97.286	ug/l	96
82) 4-Chlorotoluene	12.774	91	1819454	94.446	ug/l	99
83) tert-Butylbenzene	12.993	119	1906177	93.818	ug/l	99
84) 1,2,4-Trimethylbenzene	13.036	105	2136779	96.506	ug/l	99
85) sec-Butylbenzene	13.170	105	2845557	93.457	ug/l	99
86) p-Isopropyltoluene	13.286	119	2393335	96.785	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	1199663	96.105	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	1147484	95.021	ug/l	100
89) n-Butylbenzene	13.615	91	2202992	96.545	ug/l	100
90) Hexachloroethane	13.877	117	471548	92.105	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	1014265	96.328	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	60444	98.636	ug/l	99
93) 1,2,4-Trichlorobenzene	14.913	180	563754	101.574	ug/l	99
94) Hexachlorobutadiene	15.017	225	318528	91.031	ug/l	99
95) Naphthalene	15.139	128	998336	112.148	ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	477101	104.109	ug/l	100

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

