

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022495.D
 Acq On : 02 Jun 2025 13:17
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Jun 03 02:56:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 02:50:07 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
 Supervised By :Mahesh Dadoda 06/03/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	220566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	362519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	312741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	243724	101.553	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 203.100%#			
35) Dibromofluoromethane	7.634	113	222443	104.234	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 208.460%#			
50) Toluene-d8	10.109	98	908424	105.318	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 210.640%#			
62) 4-Bromofluorobenzene	12.407	95	270310	103.359	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 206.720%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	175145	90.872	ug/l	97
3) Chloromethane	2.068	50	519859	91.429	ug/l	99
4) Vinyl Chloride	2.202	62	636843	95.695	ug/l	100
5) Bromomethane	2.592	94	591589	93.980	ug/l	99
6) Chloroethane	2.732	64	414935	91.070	ug/l	96
7) Trichlorofluoromethane	3.049	101	539323	95.384	ug/l	97
8) Diethyl Ether	3.458	74	122923	98.428	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.817	101	230240	97.074	ug/l	99
10) Methyl Iodide	4.006	142	278576	109.525	ug/l	99
11) Tert butyl alcohol	4.878	59	83900	489.395	ug/l #	87
12) 1,1-Dichloroethene	3.793	96	224855	99.317	ug/l	97
13) Acrolein	3.653	56	109392	522.746	ug/l	100
14) Allyl chloride	4.390	41	354774	100.560	ug/l	98
15) Acrylonitrile	5.067	53	269411	507.168	ug/l	100
16) Acetone	3.872	43	231202	487.310	ug/l	100
17) Carbon Disulfide	4.110	76	722508	99.952	ug/l	99
18) Methyl Acetate	4.390	43	132608	92.907	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	632873	100.187	ug/l	99
20) Methylene Chloride	4.622	84	241903	91.318	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	253184	100.103	ug/l	95
22) Diisopropyl ether	6.024	45	794164	101.232	ug/l	98
23) Vinyl Acetate	5.963	43	2424134	520.866	ug/l	99
24) 1,1-Dichloroethane	5.915	63	463641	99.980	ug/l	99
25) 2-Butanone	6.896	43	358881	512.798	ug/l	99
26) 2,2-Dichloropropane	6.890	77	420323	101.961	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	294837	100.858	ug/l	98
28) Bromochloromethane	7.250	49	206906	103.263	ug/l	100
29) Tetrahydrofuran	7.268	42	226299	501.243	ug/l	99
30) Chloroform	7.426	83	459957	100.373	ug/l	96
31) Cyclohexane	7.707	56	428074	91.723	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	419389	102.410	ug/l	99
36) 1,1-Dichloropropene	7.841	75	355563	103.070	ug/l	99
37) Ethyl Acetate	6.988	43	159922	105.336	ug/l	98
38) Carbon Tetrachloride	7.823	117	368617	103.651	ug/l	96
39) Methylcyclohexane	9.109	83	481512	103.323	ug/l	99
40) Benzene	8.085	78	1052881	103.542	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	97672m	99.893	ug/l	
42) 1,2-Dichloroethane	8.158	62	286305	103.504	ug/l	98
43) Isopropyl Acetate	8.201	43	344110	103.721	ug/l	98
44) Trichloroethene	8.865	130	253632	102.104	ug/l	100
45) 1,2-Dichloropropane	9.146	63	249363	102.865	ug/l	100
46) Dibromomethane	9.231	93	139349	102.605	ug/l	98
47) Bromodichloromethane	9.426	83	356025	103.321	ug/l	99
48) Methyl methacrylate	9.225	41	163867	107.875	ug/l	99
49) 1,4-Dioxane	9.237	88	31675	1955.012	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	884897	537.390	ug/l	98
52) Toluene	10.170	92	676554	105.821	ug/l	100
53) t-1,3-Dichloropropene	10.395	75	339647	106.548	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	394647	105.579	ug/l	100
55) 1,1,2-Trichloroethane	10.572	97	176386	103.130	ug/l	97
56) Ethyl methacrylate	10.438	69	270253	108.807	ug/l	99
57) 1,3-Dichloropropane	10.719	76	314882	103.374	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	631985	570.744	ug/l	99
59) 2-Hexanone	10.761	43	599356	546.025	ug/l	99
60) Dibromochloromethane	10.914	129	231582	106.862	ug/l	99
61) 1,2-Dibromoethane	11.017	107	162846	103.182	ug/l	97
64) Tetrachloroethene	10.645	164	260085	97.857	ug/l	98
65) Chlorobenzene	11.444	112	700365	103.277	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	241080	104.874	ug/l	99
67) Ethyl Benzene	11.517	91	1343424	106.379	ug/l	100
68) m/p-Xylenes	11.627	106	1027669	215.017	ug/l	99
69) o-Xylene	11.956	106	478106	106.884	ug/l	100
70) Styrene	11.968	104	807331	109.011	ug/l	99
71) Bromoform	12.133	173	129134	106.900	ug/l #	98
73) Isopropylbenzene	12.255	105	1251781	103.429	ug/l	100
74) N-amyl acetate	12.072	43	331256	108.232	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	201554	102.543	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	153645m	77.478	ug/l	
77) Bromobenzene	12.535	156	260522	101.560	ug/l	99
78) n-propylbenzene	12.596	91	1517453	103.002	ug/l	99
79) 2-Chlorotoluene	12.682	91	801096	102.984	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	983812	103.959	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	72518	104.845	ug/l	97
82) 4-Chlorotoluene	12.779	91	836500	103.758	ug/l	99
83) tert-Butylbenzene	12.999	119	886942	102.740	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	992770	104.854	ug/l	100
85) sec-Butylbenzene	13.175	105	1348209	103.006	ug/l	100
86) p-Isopropyltoluene	13.291	119	1148821	106.760	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	543396	105.879	ug/l	99
88) 1,4-Dichlorobenzene	13.364	146	503842	100.757	ug/l	98
89) n-Butylbenzene	13.621	91	1062595	103.713	ug/l	99
90) Hexachloroethane	13.883	117	213148	101.224	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	447574	101.511	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	29357	98.805	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	255752	106.117	ug/l	97
94) Hexachlorobutadiene	15.023	225	132452	100.622	ug/l	99
95) Naphthalene	15.145	128	499554	108.155	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	213300	104.136	ug/l	99

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

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