

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121625\
 Data File : VY023989.D
 Acq On : 16 Dec 2025 14:51
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Dec 17 03:36:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 17 03:31:24 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/17/2025
 Supervised By :Mahesh Dadoda 12/18/2025

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	487477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	676322	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	590011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	301822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	394048	106.953	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 213.900%#			
35) Dibromofluoromethane	7.640	113	440590	108.857	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 217.720%#			
50) Toluene-d8	10.109	98	1605979	109.965	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 219.940%#			
62) 4-Bromofluorobenzene	12.408	95	534029	111.563	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 223.120%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	323412	103.404	ug/l	97
3) Chloromethane	2.074	50	412448	112.664	ug/l	99
4) Vinyl Chloride	2.214	62	530441	114.690	ug/l	97
5) Bromomethane	2.604	94	440921	107.421	ug/l	99
6) Chloroethane	2.745	64	366898	112.618	ug/l	99
7) Trichlorofluoromethane	3.068	101	811778	109.956	ug/l	98
8) Diethyl Ether	3.464	74	219948	111.487	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.824	101	465637	105.237	ug/l	98
10) Methyl Iodide	4.019	142	617074	111.875	ug/l	99
11) Tert butyl alcohol	4.878	59	122575	568.343	ug/l	100
12) 1,1-Dichloroethene	3.799	96	452564	112.858	ug/l	95
13) Acrolein	3.665	56	193177	534.193	ug/l	98
14) Allyl chloride	4.397	41	569784	117.308	ug/l	99
15) Acrylonitrile	5.067	53	443953	579.287	ug/l	99
16) Acetone	3.879	43	500477	525.979	ug/l	99
17) Carbon Disulfide	4.116	76	1221921	121.766	ug/l	99
18) Methyl Acetate	4.397	43	196770	118.246	ug/l	98
19) Methyl tert-butyl Ether	5.128	73	1110218	116.532	ug/l	100
20) Methylene Chloride	4.628	84	460601	90.971	ug/l	98
21) trans-1,2-Dichloroethene	5.128	96	499476	114.616	ug/l	99
22) Diisopropyl ether	6.031	45	1316116	117.328	ug/l	98
23) Vinyl Acetate	5.970	43	3729783	610.823	ug/l	100
24) 1,1-Dichloroethane	5.927	63	816997	111.933	ug/l	98
25) 2-Butanone	6.902	43	608411	538.015	ug/l	100
26) 2,2-Dichloropropane	6.896	77	765865	112.440	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	593194	114.915	ug/l	98
28) Bromochloromethane	7.256	49	333475	114.480	ug/l	99
29) Tetrahydrofuran	7.268	42	345479	603.418	ug/l	99
30) Chloroform	7.433	83	886042	109.422	ug/l	99
31) Cyclohexane	7.713	56	711942	110.399	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	833426	110.956	ug/l	100
36) 1,1-Dichloropropene	7.847	75	638014	115.009	ug/l	100
37) Ethyl Acetate	6.994	43	246282	117.277	ug/l	100
38) Carbon Tetrachloride	7.829	117	772553	111.174	ug/l	100
39) Methylcyclohexane	9.115	83	880518	119.042	ug/l	98
40) Benzene	8.091	78	1936836	113.869	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	135272	106.676	ug/l	92
42) 1,2-Dichloroethane	8.164	62	495418	113.045	ug/l	99
43) Isopropyl Acetate	8.207	43	496674	122.268	ug/l	99
44) Trichloroethene	8.872	130	561777	112.075	ug/l	100
45) 1,2-Dichloropropane	9.146	63	432494	113.231	ug/l	99
46) Dibromomethane	9.237	93	262366	114.547	ug/l	98
47) Bromodichloromethane	9.426	83	676225	113.792	ug/l	98
48) Methyl methacrylate	9.225	41	241591	122.022	ug/l	99
49) 1,4-Dioxane	9.237	88	57725	2313.854	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	1312615	617.308	ug/l	100
52) Toluene	10.176	92	1311251	110.742	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	608491	120.473	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	716450	118.398	ug/l	99
55) 1,1,2-Trichloroethane	10.579	97	353240	112.282	ug/l	99
56) Ethyl methacrylate	10.445	69	464598	106.931	ug/l	99
57) 1,3-Dichloropropane	10.719	76	575014	114.002	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	872464	515.858	ug/l	100
59) 2-Hexanone	10.762	43	951098	595.198	ug/l	100
60) Dibromochloromethane	10.914	129	508565	114.948	ug/l	100
61) 1,2-Dibromoethane	11.018	107	334797	114.932	ug/l	100
64) Tetrachloroethene	10.652	164	652710	107.821	ug/l	98
65) Chlorobenzene	11.444	112	1447917	111.512	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	510921	111.489	ug/l	100
67) Ethyl Benzene	11.524	91	2484959	117.640	ug/l	100
68) m/p-Xylenes	11.633	106	1985556	234.030	ug/l	100
69) o-Xylene	11.956	106	932155	118.123	ug/l	100
70) Styrene	11.975	104	1525616	120.448	ug/l	100
71) Bromoform	12.133	173	310928	113.726	ug/l #	98
73) Isopropylbenzene	12.255	105	2453842	118.029	ug/l	100
74) N-amyl acetate	12.072	43	456785	110.544	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	363749	115.480	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	292196m	109.342	ug/l	
77) Bromobenzene	12.536	156	590228	112.946	ug/l	98
78) n-propylbenzene	12.597	91	2811922	118.014	ug/l	100
79) 2-Chlorotoluene	12.682	91	1580174	115.849	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1934727	118.350	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	124482	119.213	ug/l	98
82) 4-Chlorotoluene	12.779	91	1597747	114.088	ug/l	99
83) tert-Butylbenzene	12.999	119	1801957	117.427	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	1905197	117.874	ug/l	100
85) sec-Butylbenzene	13.176	105	2568608	115.959	ug/l	99
86) p-Isopropyltoluene	13.292	119	2192839	117.834	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	1121459	111.533	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	1090961	110.554	ug/l	100
89) n-Butylbenzene	13.621	91	1903767	118.414	ug/l	100
90) Hexachloroethane	13.883	117	436199	112.271	ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	956817	110.325	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	53587	116.735	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	564090	114.336	ug/l	100
94) Hexachlorobutadiene	15.023	225	362949	105.082	ug/l	99
95) Naphthalene	15.145	128	929696	107.029	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	474010	114.488	ug/l	99

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

