

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
 Data File : VY023812.D
 Acq On : 26 Nov 2025 09:17
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/01/2025
 Supervised By : Mahesh Dadoda 12/02/2025

Quant Time: Nov 27 00:58:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 00:55:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	569944	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	897275	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	788206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	403440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	280509	50.539	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.080%			
35) Dibromofluoromethane	7.634	113	271773	51.130	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.260%			
50) Toluene-d8	10.103	98	1087204	51.496	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.000%			
62) 4-Bromofluorobenzene	12.408	95	354001	50.959	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.920%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	193497	45.049	ug/l	100
3) Chloromethane	2.074	50	302832	46.085	ug/l	100
4) Vinyl Chloride	2.208	62	344155	48.415	ug/l	100
5) Bromomethane	2.598	94	219721	43.817	ug/l	100
6) Chloroethane	2.739	64	225351	48.645	ug/l	100
7) Trichlorofluoromethane	3.062	101	464314	48.313	ug/l	100
8) Diethyl Ether	3.452	74	148973	49.217	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	269379	48.026	ug/l	100
10) Methyl Iodide	4.007	142	331790	53.981	ug/l	100
11) Tert butyl alcohol	4.860	59	96336	211.332	ug/l	100
12) 1,1-Dichloroethene	3.793	96	268646	48.684	ug/l	100
13) Acrolein	3.653	56	160873	245.491	ug/l	100
14) Allyl chloride	4.385	41	437682	50.067	ug/l	100
15) Acrylonitrile	5.061	53	328696	251.602	ug/l	100
16) Acetone	3.866	43	386104	241.443	ug/l	100
17) Carbon Disulfide	4.110	76	865796	48.617	ug/l	100
18) Methyl Acetate	4.391	43	146747	47.518	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	707682	50.184	ug/l	100
20) Methylene Chloride	4.622	84	301790	44.639	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	299860	49.079	ug/l	100
22) Diisopropyl ether	6.018	45	962143	50.901	ug/l	100
23) Vinyl Acetate	5.964	43	2733456	260.049	ug/l	100
24) 1,1-Dichloroethane	5.915	63	544251	48.944	ug/l	100
25) 2-Butanone	6.896	43	480977	246.454	ug/l	100
26) 2,2-Dichloropropane	6.884	77	477444	48.439	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	348222	49.080	ug/l	100
28) Bromochloromethane	7.250	49	227548	49.194	ug/l	100
29) Tetrahydrofuran	7.262	42	278158	255.545	ug/l	100
30) Chloroform	7.421	83	547940	49.005	ug/l	100
31) Cyclohexane	7.701	56	510849	47.873	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	484886	48.854	ug/l	100
36) 1,1-Dichloropropene	7.835	75	404723	49.660	ug/l	100
37) Ethyl Acetate	6.988	43	194341	50.697	ug/l	100
38) Carbon Tetrachloride	7.817	117	443416	49.568	ug/l	100
39) Methylcyclohexane	9.109	83	541715	50.330	ug/l	100
40) Benzene	8.079	78	1241044	49.484	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	93022	47.478	ug/l	100
42) 1,2-Dichloroethane	8.158	62	321935	49.792	ug/l	100
43) Isopropyl Acetate	8.195	43	364953	50.945	ug/l	100
44) Trichloroethene	8.866	130	318148	49.441	ug/l	100
45) 1,2-Dichloropropane	9.140	63	295491	49.972	ug/l	100
46) Dibromomethane	9.231	93	159296	49.646	ug/l	100
47) Bromodichloromethane	9.420	83	415809	49.587	ug/l	100
48) Methyl methacrylate	9.219	41	178701	52.982	ug/l	100
49) 1,4-Dioxane	9.225	88	36440	1013.353	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	983275	260.732	ug/l	100
52) Toluene	10.170	92	800460	51.484	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	392658	51.118	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	462990	50.354	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	217262	50.548	ug/l	100
56) Ethyl methacrylate	10.438	69	300280	53.207	ug/l	100
57) 1,3-Dichloropropane	10.719	76	378679	50.505	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	704627	259.896	ug/l	100
59) 2-Hexanone	10.762	43	726972	260.683	ug/l	100
60) Dibromochloromethane	10.908	129	289218	50.144	ug/l	100
61) 1,2-Dibromoethane	11.018	107	197826	49.585	ug/l	100
64) Tetrachloroethene	10.646	164	370190	49.509	ug/l	100
65) Chlorobenzene	11.438	112	861821	49.812	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	291409	49.579	ug/l	100
67) Ethyl Benzene	11.517	91	1511745	51.154	ug/l	100
68) m/p-Xylenes	11.627	106	1171507	102.873	ug/l	100
69) o-Xylene	11.956	106	543887	50.944	ug/l	100
70) Styrene	11.969	104	916028	52.085	ug/l	100
71) Bromoform	12.133	173	170129	49.622	ug/l	100
73) Isopropylbenzene	12.255	105	1456356	50.863	ug/l	100
74) N-amyl acetate	12.072	43	334446	52.282	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	232224	49.261	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	178780m	51.153	ug/l	100
77) Bromobenzene	12.530	156	332397	49.355	ug/l	100
78) n-propylbenzene	12.597	91	1756464	50.952	ug/l	100
79) 2-Chlorotoluene	12.676	91	995768	50.188	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1197605	51.235	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	83618	50.378	ug/l	100
82) 4-Chlorotoluene	12.773	91	1032380	50.666	ug/l	100
83) tert-Butylbenzene	12.999	119	1065914	50.761	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1194899	51.151	ug/l	100
85) sec-Butylbenzene	13.176	105	1587946	51.229	ug/l	100
86) p-Isopropyltoluene	13.292	119	1337277	51.615	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	667107	49.424	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	659518	48.952	ug/l	100
89) n-Butylbenzene	13.615	91	1232045	51.863	ug/l	100
90) Hexachloroethane	13.877	117	266931	49.037	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	589140	49.913	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	38151	48.349	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	353935	50.293	ug/l	100
94) Hexachlorobutadiene	15.023	225	213425	48.697	ug/l	100
95) Naphthalene	15.145	128	615986	51.901	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	298647	49.827	ug/l	100

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

