

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121025\
 Data File : VY023931.D
 Acq On : 10 Dec 2025 10:52
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2025
 Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 11 03:06:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:01:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	697136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1009075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	868824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	448225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	589399	88.253	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 176.500%#	
35) Dibromofluoromethane	7.640	113	620380	97.602	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 195.200%#	
50) Toluene-d8	10.109	98	2330702	94.847	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 189.700%#	
62) 4-Bromofluorobenzene	12.407	95	781355	93.259	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 186.520%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	529423	103.383	ug/l	99
3) Chloromethane	2.074	50	729894	101.468	ug/l	99
4) Vinyl Chloride	2.214	62	907158	109.053	ug/l	100
5) Bromomethane	2.592	94	799789	129.848	ug/l	99
6) Chloroethane	2.738	64	630506	110.592	ug/l	100
7) Trichlorofluoromethane	3.068	101	1333196	112.919	ug/l	99
8) Diethyl Ether	3.464	74	380955	109.020	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.824	101	757584	107.406	ug/l	100
10) Methyl Iodide	4.013	142	958414	133.587	ug/l	100
11) Tert butyl alcohol	4.878	59	221698	410.144	ug/l	98
12) 1,1-Dichloroethene	3.799	96	750312	114.020	ug/l	98
13) Acrolein	3.659	56	429547	942.958	ug/l	100
14) Allyl chloride	4.391	41	1017436	99.814	ug/l	99
15) Acrylonitrile	5.067	53	790845	529.233	ug/l	99
16) Acetone	3.879	43	910769	452.997	ug/l	100
17) Carbon Disulfide	4.116	76	2152661	112.844	ug/l	99
18) Methyl Acetate	4.397	43	354567	104.784	ug/l	98
19) Methyl tert-butyl Ether	5.128	73	1888690	114.839	ug/l	100
20) Methylene Chloride	4.628	84	759640	91.279	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	821855	113.285	ug/l	99
22) Diisopropyl ether	6.031	45	2335161	103.499	ug/l	97
23) Vinyl Acetate	5.970	43	6830149	548.226	ug/l	99
24) 1,1-Dichloroethane	5.927	63	1367786	103.622	ug/l	99
25) 2-Butanone	6.902	43	1134198	473.431	ug/l	98
26) 2,2-Dichloropropane	6.896	77	1272956	104.122	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	963268	114.027	ug/l	99
28) Bromochloromethane	7.256	49	535652	113.318	ug/l	98
29) Tetrahydrofuran	7.268	42	643099	523.199	ug/l	100
30) Chloroform	7.427	83	1441423	106.626	ug/l	96
31) Cyclohexane	7.707	56	1246659	99.764	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	1346518	109.874	ug/l	100
36) 1,1-Dichloropropene	7.841	75	1068898	113.859	ug/l	99
37) Ethyl Acetate	6.994	43	463961	109.531	ug/l	98
38) Carbon Tetrachloride	7.823	117	1247638	118.315	ug/l	99
39) Methylcyclohexane	9.115	83	1484374	121.525	ug/l	99
40) Benzene	8.085	78	3205338	112.902	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	226519	103.621	ug/l	95
42) 1,2-Dichloroethane	8.164	62	842699	113.651	ug/l	99
43) Isopropyl Acetate	8.201	43	911143	114.524	ug/l #	89
44) Trichloroethene	8.872	130	903216	121.188	ug/l	97
45) 1,2-Dichloropropane	9.146	63	718139	107.661	ug/l	99
46) Dibromomethane	9.237	93	432256	117.831	ug/l	98
47) Bromodichloromethane	9.426	83	1107662	114.643	ug/l	98
48) Methyl methacrylate	9.225	41	442217	119.504	ug/l	99
49) 1,4-Dioxane	9.237	88	99844	2466.413	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	2378033	570.626	ug/l	99
52) Toluene	10.176	92	2144579	119.655	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	1052795	121.561	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	1205643	118.372	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	579003	116.907	ug/l	98
56) Ethyl methacrylate	10.444	69	817472	131.232	ug/l	99
57) 1,3-Dichloropropane	10.719	76	960222	113.694	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	1819124	697.949	ug/l	99
59) 2-Hexanone	10.761	43	1770732	563.692	ug/l	100
60) Dibromochloromethane	10.914	129	820717	122.418	ug/l	99
61) 1,2-Dibromoethane	11.017	107	554832	122.702	ug/l	99
64) Tetrachloroethene	10.652	164	1009068	117.418	ug/l	97
65) Chlorobenzene	11.444	112	2355934	119.122	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	813060	120.160	ug/l	99
67) Ethyl Benzene	11.523	91	4114361	121.371	ug/l	99
68) m/p-Xylenes	11.633	106	3232233	247.938	ug/l	99
69) o-Xylene	11.956	106	1535705	125.886	ug/l	98
70) Styrene	11.975	104	2555162	127.155	ug/l	100
71) Bromoform	12.133	173	499517	129.849	ug/l #	99
73) Isopropylbenzene	12.255	105	4002152	121.657	ug/l	100
74) N-amyl acetate	12.072	43	861390	124.800	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	621451	118.236	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	492900m	114.539	ug/l	
77) Bromobenzene	12.536	156	953853	123.410	ug/l	98
78) n-propylbenzene	12.596	91	4594789	116.447	ug/l	99
79) 2-Chlorotoluene	12.682	91	2603767	116.025	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	3176944	119.110	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	218262	120.531	ug/l	98
82) 4-Chlorotoluene	12.779	91	2626953	113.191	ug/l	100
83) tert-Butylbenzene	12.999	119	2918982	121.257	ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	3140731	119.081	ug/l	100
85) sec-Butylbenzene	13.176	105	4210031	118.044	ug/l	100
86) p-Isopropyltoluene	13.291	119	3609238	121.821	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	1853115	119.771	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	1766159	116.591	ug/l	100
89) n-Butylbenzene	13.621	91	3228261	118.991	ug/l	100
90) Hexachloroethane	13.883	117	713889	114.802	ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	1578950	117.621	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	95287	116.421	ug/l	98
93) 1,2,4-Trichlorobenzene	14.925	180	993012	125.543	ug/l	99
94) Hexachlorobutadiene	15.023	225	597212	119.571	ug/l	99
95) Naphthalene	15.145	128	1732796	134.517	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	839354	124.984	ug/l	99

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

