

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121625\
 Data File : VY023985.D
 Acq On : 16 Dec 2025 13:21
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Dec 17 03:32:33 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

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	424709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	610145	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	512883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	260788	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	16451	5.125	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	10.260%#
35) Dibromofluoromethane	7.646	113	17940	4.913	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	9.820%#
50) Toluene-d8	10.115	98	63892	4.849	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	9.700%#
62) 4-Bromofluorobenzene	12.408	95	20582	4.766	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	9.540%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	13325	4.890	ug/l	93
3) Chloromethane	2.074	50	14153	4.437	ug/l	96
4) Vinyl Chloride	2.214	62	17926	4.449	ug/l	95
5) Bromomethane	2.611	94	17414	4.870	ug/l	100
6) Chloroethane	2.751	64	12886	4.540	ug/l	98
7) Trichlorofluoromethane	3.074	101	30390	4.725	ug/l	99
8) Diethyl Ether	3.464	74	7462	4.341	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.830	101	19215	4.985	ug/l	99
10) Methyl Iodide	4.013	142	14247	7.518	ug/l	98
11) Tert butyl alcohol	4.878	59	4110	21.873	ug/l #	89
12) 1,1-Dichloroethene	3.793	96	15496	4.435	ug/l	92
13) Acrolein	3.665	56	6201	19.682	ug/l	98
14) Allyl chloride	4.409	41	17182	4.060	ug/l	97
15) Acrylonitrile	5.086	53	13867	20.768	ug/l	99
16) Acetone	3.885	43	36602	31.571	ug/l	92
17) Carbon Disulfide	4.122	76	34980	4.001	ug/l	97
18) Methyl Acetate	4.397	43	6189	4.269	ug/l	96
19) Methyl tert-butyl Ether	5.128	73	33498	4.036	ug/l	99
20) Methylene Chloride	4.628	84	29046	6.585	ug/l	95
21) trans-1,2-Dichloroethene	5.128	96	16212	4.270	ug/l	95
22) Diisopropyl ether	6.031	45	36855	3.771	ug/l #	89
23) Vinyl Acetate	5.976	43	95761	18.000	ug/l	100
24) 1,1-Dichloroethane	5.933	63	27990	4.402	ug/l	98
25) 2-Butanone	6.909	43	21723	22.049	ug/l	91
26) 2,2-Dichloropropane	6.902	77	25756	4.340	ug/l	98
27) cis-1,2-Dichloroethene	6.909	96	18460	4.105	ug/l	93
28) Bromochloromethane	7.262	49	9602	3.783	ug/l	95
29) Tetrahydrofuran	7.274	42	9376	18.797	ug/l	97
30) Chloroform	7.433	83	32181	4.562	ug/l	99
31) Cyclohexane	7.713	56	26715	4.755	ug/l #	73
32) 1,1,1-Trichloroethane	7.628	97	29342	4.484	ug/l	100
36) 1,1-Dichloropropene	7.847	75	21701	4.336	ug/l	98
37) Ethyl Acetate	7.006	43	8130	4.291	ug/l	94
38) Carbon Tetrachloride	7.823	117	29180	4.655	ug/l #	83
39) Methylcyclohexane	9.116	83	28740	4.307	ug/l	93
40) Benzene	8.091	78	65036	4.238	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	4841m	4.232	ug/l	
42) 1,2-Dichloroethane	8.171	62	17647	4.463	ug/l	99
43) Isopropyl Acetate	8.207	43	13761	3.755	ug/l #	86
44) Trichloroethene	8.872	130	20109	4.447	ug/l	93
45) 1,2-Dichloropropane	9.146	63	14827	4.303	ug/l	98
46) Dibromomethane	9.237	93	8854	4.285	ug/l	99
47) Bromodichloromethane	9.433	83	22418	4.182	ug/l #	95
48) Methyl methacrylate	9.231	41	8453m	4.732	ug/l	
49) 1,4-Dioxane	9.237	88	2019	89.708	ug/l	89
51) 4-Methyl-2-Pentanone	10.006	43	34538	18.005	ug/l	99
52) Toluene	10.176	92	50577	4.735	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	17583	3.859	ug/l	100
54) cis-1,3-Dichloropropene	9.865	75	21257	3.894	ug/l	95
55) 1,1,2-Trichloroethane	10.579	97	11824	4.166	ug/l	95
56) Ethyl methacrylate	10.445	69	10959	7.247	ug/l	96
57) 1,3-Dichloropropane	10.725	76	19089	4.195	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.719	63	21711	22.412	ug/l	98
59) 2-Hexanone	10.768	43	26605	18.455	ug/l	97
60) Dibromochloromethane	10.914	129	16576	4.153	ug/l	99
61) 1,2-Dibromoethane	11.024	107	11081	4.217	ug/l	98
64) Tetrachloroethene	10.652	164	23418	4.450	ug/l	94
65) Chlorobenzene	11.444	112	48830	4.326	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	17423	4.374	ug/l	96
67) Ethyl Benzene	11.524	91	72773	3.963	ug/l	98
68) m/p-Xylenes	11.633	106	59032	8.004	ug/l	98
69) o-Xylene	11.956	106	26938	3.927	ug/l	96
70) Styrene	11.975	104	39356	3.574	ug/l	99
71) Bromoform	12.139	173	10486	4.412	ug/l #	98
73) Isopropylbenzene	12.261	105	71101	3.958	ug/l	98
74) N-amyl acetate	12.072	43	9446	4.694	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.511	83	12220	4.490	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	10667m	4.620	ug/l	
77) Bromobenzene	12.536	156	19660	4.354	ug/l	95
78) n-propylbenzene	12.603	91	80837	3.926	ug/l	97
79) 2-Chlorotoluene	12.682	91	48528	4.118	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	53547	3.791	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	3675	4.073	ug/l	98
82) 4-Chlorotoluene	12.779	91	50842	4.202	ug/l	99
83) tert-Butylbenzene	12.999	119	51102	3.854	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	51714	3.703	ug/l	96
85) sec-Butylbenzene	13.176	105	77505	4.049	ug/l	100
86) p-Isopropyltoluene	13.298	119	63174	3.929	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	38518	4.434	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	39008	4.575	ug/l	93
89) n-Butylbenzene	13.621	91	56558	4.071	ug/l	99
90) Hexachloroethane	13.883	117	14833	4.418	ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	32910	4.392	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1651	4.162	ug/l	93
93) 1,2,4-Trichlorobenzene	14.925	180	17468	4.098	ug/l	99
94) Hexachlorobutadiene	15.029	225	15008	5.029	ug/l	98
95) Naphthalene	15.151	128	20712	4.688	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	14769	4.128	ug/l	98

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

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