

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023982.D
 Acq On : 15 Dec 2025 19:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 16 02:18:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/16/2025
 Supervised By : Mahesh Dadoda 12/16/2025

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	503719	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	754099	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	644055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	325754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	205801	46.210	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.420%		
35) Dibromofluoromethane	7.646	113	234308	47.532	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.060%		
50) Toluene-d8	10.115	98	877616	47.819	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.640%		
62) 4-Bromofluorobenzene	12.414	95	292117	47.661	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.879	85	159198	45.575	ug/l	96
3) Chloromethane	2.080	50	222822	49.654	ug/l	98
4) Vinyl Chloride	2.220	62	266194	48.006	ug/l	98
5) Bromomethane	2.617	94	214894	45.519	ug/l	100
6) Chloroethane	2.751	64	188918	48.354	ug/l	99
7) Trichlorofluoromethane	3.074	101	394496	47.255	ug/l	99
8) Diethyl Ether	3.470	74	112739	49.158	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.836	101	228735	47.015	ug/l	98
10) Methyl Iodide	4.025	142	321699	53.642	ug/l	100
11) Tert butyl alcohol	4.879	59	51604	200.098	ug/l	100
12) 1,1-Dichloroethene	3.806	96	232568	50.877	ug/l	95
13) Acrolein	3.671	56	102940	249.572	ug/l	98
14) Allyl chloride	4.409	41	289716	49.533	ug/l	98
15) Acrylonitrile	5.080	53	204320	223.607	ug/l	100
16) Acetone	3.885	43	216390	178.692	ug/l	99
17) Carbon Disulfide	4.129	76	645518	53.176	ug/l	99
18) Methyl Acetate	4.403	43	91742	45.529	ug/l	98
19) Methyl tert-butyl Ether	5.135	73	537218	49.145	ug/l	99
20) Methylene Chloride	4.635	84	256972	49.046	ug/l	96
21) trans-1,2-Dichloroethene	5.135	96	260774	51.966	ug/l	98
22) Diisopropyl ether	6.031	45	649605	48.774	ug/l	98
23) Vinyl Acetate	5.976	43	1706325	230.577	ug/l	98
24) 1,1-Dichloroethane	5.933	63	429127	51.693	ug/l	99
25) 2-Butanone	6.909	43	252871	183.728	ug/l	96
26) 2,2-Dichloropropane	6.903	77	370657	47.819	ug/l	99
27) cis-1,2-Dichloroethene	6.909	96	306427	53.193	ug/l	97
28) Bromochloromethane	7.262	49	146176	46.740	ug/l	92
29) Tetrahydrofuran	7.281	42	150435	214.317	ug/l	97
30) Chloroform	7.433	83	467554	51.561	ug/l	98
31) Cyclohexane	7.720	56	382244	50.047	ug/l	99
32) 1,1,1-Trichloroethane	7.634	97	423902	50.411	ug/l	99
36) 1,1-Dichloropropene	7.848	75	321611	47.923	ug/l	99
37) Ethyl Acetate	7.000	43	113134	41.399	ug/l	99
38) Carbon Tetrachloride	7.835	117	383748	47.176	ug/l	98
39) Methylcyclohexane	9.122	83	644656	71.899	ug/l	97
40) Benzene	8.091	78	1559082	76.289	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	59006	39.249	ug/l	93
42) 1,2-Dichloroethane	8.171	62	252765	47.164	ug/l	97
43) Isopropyl Acetate	8.207	43	227585	44.218	ug/l #	84
44) Trichloroethene	8.878	130	298373	50.352	ug/l	94
45) 1,2-Dichloropropane	9.152	63	224122	48.606	ug/l	99
46) Dibromomethane	9.244	93	130519	48.059	ug/l	97
47) Bromodichloromethane	9.433	83	345545	48.366	ug/l	100
48) Methyl methacrylate	9.231	41	107375	44.814	ug/l	96
49) 1,4-Dioxane	9.238	88	25060	827.704	ug/l	95
51) 4-Methyl-2-Pentanone	10.006	43	559911	205.322	ug/l	97
52) Toluene	10.182	92	9186715	679.327	ug/l	91
53) t-1,3-Dichloropropene	10.402	75	297129	48.127	ug/l	98
54) cis-1,3-Dichloropropene	9.865	75	357195	49.097	ug/l	96
55) 1,1,2-Trichloroethane	10.579	97	200273	53.579	ug/l	98
56) Ethyl methacrylate	10.451	69	230138	51.935	ug/l	96
57) 1,3-Dichloropropane	10.725	76	281443	46.554	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	391562	203.996	ug/l	97
59) 2-Hexanone	10.768	43	422433	204.107	ug/l	96
60) Dibromochloromethane	10.920	129	250604	48.425	ug/l	100
61) 1,2-Dibromoethane	11.024	107	164225	47.413	ug/l	98
64) Tetrachloroethene	10.658	164	361505	52.248	ug/l	97
65) Chlorobenzene	11.451	112	744745	49.903	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.524	131	261339	49.931	ug/l	97
67) Ethyl Benzene	11.530	91	1909769	76.375	ug/l	98
68) m/p-Xylenes	11.633	106	3209756	323.359	ug/l	98
69) o-Xylene	11.963	106	991619	106.790	ug/l	99
70) Styrene	11.975	104	793353	52.887	ug/l	89
71) Bromoform	12.139	173	146652	47.545	ug/l #	98
73) Isopropylbenzene	12.261	105	1363826	57.288	ug/l	100
74) N-amyl acetate	12.078	43	270011	63.942	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.511	83	172363	47.549	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	134111m	48.670	ug/l	
77) Bromobenzene	12.542	156	299500	50.702	ug/l	99
78) n-propylbenzene	12.603	91	1601114	57.805	ug/l	99
79) 2-Chlorotoluene	12.688	91	885921	56.307	ug/l	97
80) 1,3,5-Trimethylbenzene	12.743	105	1438557	75.743	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	54593	45.097	ug/l #	87
82) 4-Chlorotoluene	12.786	91	820079	50.631	ug/l	100
83) tert-Butylbenzene	13.005	119	931768	53.097	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	2236570	118.874	ug/l	100
85) sec-Butylbenzene	13.182	105	1407665	54.990	ug/l	98
86) p-Isopropyltoluene	13.298	119	1228871	56.714	ug/l	100
87) 1,3-Dichlorobenzene	13.298	146	569311	49.629	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	549245	48.573	ug/l	98
89) n-Butylbenzene	13.627	91	1076173	56.769	ug/l	94
90) Hexachloroethane	13.889	117	236809	53.559	ug/l	95
91) 1,2-Dichlorobenzene	13.664	146	488823	49.183	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	25437	45.322	ug/l	99
93) 1,2,4-Trichlorobenzene	14.926	180	288190	49.335	ug/l	98
94) Hexachlorobutadiene	15.029	225	187436	48.952	ug/l	98
95) Naphthalene	15.151	128	635893	70.402	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	241066	48.496	ug/l	98

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

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