

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121025\
 Data File : VY023937.D
 Acq On : 10 Dec 2025 13:58
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY121025

Manual Integrations
 APPROVED

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

Quant Time: Dec 11 04:03:00 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	523782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	742918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	640535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	346130	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	204718	44.206	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.420%
35) Dibromofluoromethane	7.640	113	224316	46.190	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.380%
50) Toluene-d8	10.109	98	839644	46.438	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.880%
62) 4-Bromofluorobenzene	12.407	95	283133	46.890	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	171872	47.318	ug/l	97
3) Chloromethane	2.074	50	237425	50.882	ug/l	98
4) Vinyl Chloride	2.208	62	299430	51.931	ug/l	95
5) Bromomethane	2.598	94	229213	46.692	ug/l	99
6) Chloroethane	2.738	64	203235	50.026	ug/l	100
7) Trichlorofluoromethane	3.062	101	423748	48.815	ug/l	99
8) Diethyl Ether	3.458	74	112136	47.022	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.824	101	238582	47.160	ug/l	99
10) Methyl Iodide	4.013	142	270789	43.407	ug/l	100
11) Tert butyl alcohol	4.866	59	59831	223.113	ug/l	99
12) 1,1-Dichloroethene	3.793	96	230979	48.594	ug/l	96
13) Acrolein	3.653	56	133875	312.140	ug/l	100
14) Allyl chloride	4.391	41	292052	48.020	ug/l	98
15) Acrylonitrile	5.061	53	220558	232.132	ug/l	100
16) Acetone	3.872	43	289787	240.905	ug/l	98
17) Carbon Disulfide	4.110	76	658676	52.182	ug/l	99
18) Methyl Acetate	4.391	43	97421	46.496	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	544044	47.863	ug/l	99
20) Methylene Chloride	4.622	84	245441	45.051	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	250193	47.948	ug/l	97
22) Diisopropyl ether	6.024	45	657430	47.471	ug/l	99
23) Vinyl Acetate	5.963	43	1847929	240.147	ug/l	99
24) 1,1-Dichloroethane	5.921	63	409630	47.454	ug/l	99
25) 2-Butanone	6.896	43	319388	223.168	ug/l	99
26) 2,2-Dichloropropane	6.890	77	381788	47.369	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	290971	48.575	ug/l	98
28) Bromochloromethane	7.250	49	153127	47.087	ug/l	95
29) Tetrahydrofuran	7.262	42	170699	233.871	ug/l	98
30) Chloroform	7.427	83	445184	47.213	ug/l	97
31) Cyclohexane	7.701	56	375657	47.300	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	413631	47.305	ug/l	99
36) 1,1-Dichloropropene	7.841	75	324482	49.078	ug/l	100
37) Ethyl Acetate	6.988	43	126189	46.871	ug/l	99
38) Carbon Tetrachloride	7.823	117	385883	48.152	ug/l	97
39) Methylcyclohexane	9.109	83	446055	50.498	ug/l	95
40) Benzene	8.085	78	969801	48.168	ug/l	97

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41) Methacrylonitrile	7.219	41	66280	44.751	ug/l	97
42) 1,2-Dichloroethane	8.158	62	247286	46.836	ug/l	99
43) Isopropyl Acetate	8.201	43	240111	47.354	ug/l	99
44) Trichloroethene	8.865	130	284227	48.687	ug/l	99
45) 1,2-Dichloropropane	9.146	63	216463	47.651	ug/l	99
46) Dibromomethane	9.231	93	129698	48.476	ug/l	98
47) Bromodichloromethane	9.426	83	335325	47.642	ug/l	99
48) Methyl methacrylate	9.225	41	117073	49.597	ug/l	98
49) 1,4-Dioxane	9.231	88	28626	959.715	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	645425	240.243	ug/l	100
52) Toluene	10.170	92	652824	49.001	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	296807	48.798	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	353876	49.373	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	176648	47.970	ug/l	98
56) Ethyl methacrylate	10.438	69	218411	50.030	ug/l	97
57) 1,3-Dichloropropane	10.719	76	285917	48.006	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	414351	219.118	ug/l	99
59) 2-Hexanone	10.761	43	480003	235.413	ug/l	99
60) Dibromochloromethane	10.914	129	247570	48.558	ug/l	99
61) 1,2-Dibromoethane	11.017	107	164915	48.328	ug/l	99
64) Tetrachloroethene	10.646	164	333781	48.506	ug/l	95
65) Chlorobenzene	11.444	112	723559	48.750	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	250578	48.138	ug/l	99
67) Ethyl Benzene	11.517	91	1223689	49.207	ug/l	98
68) m/p-Xylenes	11.627	106	984740	99.750	ug/l	99
69) o-Xylene	11.956	106	460463	49.861	ug/l	99
70) Styrene	11.968	104	756895	50.734	ug/l	99
71) Bromoform	12.133	173	146383	47.718	ug/l #	99
73) Isopropylbenzene	12.255	105	1208317	47.768	ug/l	99
74) N-amyl acetate	12.072	43	216092	48.161	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	177224	46.012	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	134336m	45.881	ug/l	
77) Bromobenzene	12.529	156	296448	47.231	ug/l	98
78) n-propylbenzene	12.596	91	1418733	48.205	ug/l	99
79) 2-Chlorotoluene	12.682	91	798392	47.756	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	983266	48.723	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	58184	45.234	ug/l	99
82) 4-Chlorotoluene	12.779	91	823665	47.859	ug/l	100
83) tert-Butylbenzene	12.999	119	913689	49.002	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	977430	48.892	ug/l	100
85) sec-Butylbenzene	13.176	105	1322618	48.627	ug/l	100
86) p-Isopropyltoluene	13.291	119	1127034	48.952	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	574087	47.100	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	556411	46.310	ug/l	100
89) n-Butylbenzene	13.614	91	995266	49.411	ug/l	99
90) Hexachloroethane	13.883	117	223764	47.629	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	489242	46.327	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	27126	45.486	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	305380	49.201	ug/l	100
94) Hexachlorobutadiene	15.023	225	201707	49.578	ug/l	99
95) Naphthalene	15.145	128	474710	49.463	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	259105	49.057	ug/l	100

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

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