

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
 Data File : VY023324.D
 Acq On : 10 Sep 2025 10:33
 Operator : SY/MD
 Sample : VY0910SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0910SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
 Supervised By :Semsettin Yesilyurt 09/11/2025

Quant Time: Sep 11 03:47:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	502400	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	765892	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	669720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	341290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	213138	48.280	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.560%		
35) Dibromofluoromethane	7.640	113	227052	48.498	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.000%		
50) Toluene-d8	10.109	98	867003	49.044	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.080%		
62) 4-Bromofluorobenzene	12.402	95	270726	48.663	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	84379	20.935	ug/l	99
3) Chloromethane	2.074	50	121073	20.992	ug/l	96
4) Vinyl Chloride	2.208	62	151147	20.802	ug/l	100
5) Bromomethane	2.592	94	129401	21.811	ug/l	99
6) Chloroethane	2.732	64	101661	20.675	ug/l	100
7) Trichlorofluoromethane	3.062	101	188187	20.520	ug/l	100
8) Diethyl Ether	3.458	74	49235	20.290	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.824	101	99410	20.156	ug/l	98
10) Methyl Iodide	4.007	142	107253	18.642	ug/l	99
11) Tert butyl alcohol	4.860	59	27385	107.356	ug/l	99
12) 1,1-Dichloroethene	3.787	96	92477	19.492	ug/l	92
13) Acrolein	3.659	56	41537	96.319	ug/l	96
14) Allyl chloride	4.385	41	118610	19.790	ug/l	97
15) Acrylonitrile	5.061	53	93964	98.366	ug/l	99
16) Acetone	3.873	43	107417	106.821	ug/l	99
17) Carbon Disulfide	4.110	76	296875	19.764	ug/l	99
18) Methyl Acetate	4.385	43	50383	20.425	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	221043	19.814	ug/l	95
20) Methylene Chloride	4.622	84	120067	22.317	ug/l	93
21) trans-1,2-Dichloroethene	5.116	96	106494	20.089	ug/l	98
22) Diisopropyl ether	6.025	45	269535	20.194	ug/l	94
23) Vinyl Acetate	5.964	43	728549	98.733	ug/l	98
24) 1,1-Dichloroethane	5.921	63	175181	20.066	ug/l	98
25) 2-Butanone	6.896	43	128969	104.205	ug/l	98
26) 2,2-Dichloropropane	6.890	77	156397	20.289	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	120207	20.024	ug/l	94
28) Bromochloromethane	7.250	49	67872	19.758	ug/l	88
29) Tetrahydrofuran	7.262	42	72731	99.075	ug/l	96
30) Chloroform	7.421	83	188351	20.079	ug/l	97
31) Cyclohexane	7.701	56	152437	19.732	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	167942	20.039	ug/l	98
36) 1,1-Dichloropropene	7.841	75	134914	20.233	ug/l	99
37) Ethyl Acetate	6.988	43	50254	18.946	ug/l	95
38) Carbon Tetrachloride	7.823	117	151104	19.694	ug/l	94
39) Methylcyclohexane	9.109	83	167195	19.600	ug/l	99
40) Benzene	8.085	78	420339	20.281	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	26112m	19.010	ug/l	
42) 1,2-Dichloroethane	8.158	62	107219	20.319	ug/l	99
43) Isopropyl Acetate	8.201	43	99268	19.242	ug/l	95
44) Trichloroethene	8.866	130	115823	20.063	ug/l	99
45) 1,2-Dichloropropane	9.146	63	93560	19.988	ug/l	97
46) Dibromomethane	9.231	93	57045	20.012	ug/l	97
47) Bromodichloromethane	9.426	83	144019	20.082	ug/l	96
48) Methyl methacrylate	9.225	41	46038	19.145	ug/l	92
49) 1,4-Dioxane	9.231	88	12067	417.020	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	261316	99.007	ug/l	99
52) Toluene	10.170	92	264688	20.124	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	121598	19.694	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	145341	19.700	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	76175	20.089	ug/l	99
56) Ethyl methacrylate	10.438	69	83419	18.989	ug/l	96
57) 1,3-Dichloropropane	10.719	76	122160	19.844	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	179310	93.649	ug/l	97
59) 2-Hexanone	10.762	43	186046	101.965	ug/l	100
60) Dibromochloromethane	10.914	129	103469	20.111	ug/l	100
61) 1,2-Dibromoethane	11.018	107	71228	20.046	ug/l	99
64) Tetrachloroethene	10.646	164	141550	21.206	ug/l	98
65) Chlorobenzene	11.444	112	296013	20.176	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.518	131	103824	20.161	ug/l	100
67) Ethyl Benzene	11.518	91	477904	19.938	ug/l	96
68) m/p-Xylenes	11.627	106	388769	40.505	ug/l	96
69) o-Xylene	11.956	106	177226	19.947	ug/l	99
70) Styrene	11.969	104	298518	20.272	ug/l	98
71) Bromoform	12.133	173	62431	20.357	ug/l #	99
73) Isopropylbenzene	12.255	105	455493	19.813	ug/l	98
74) N-amyl acetate	12.072	43	86950	20.009	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	74280	19.252	ug/l	96
76) 1,2,3-Trichloropropane	12.554	75	68041m	19.687	ug/l	
77) Bromobenzene	12.530	156	118368	20.153	ug/l	94
78) n-propylbenzene	12.597	91	553252	20.418	ug/l	98
79) 2-Chlorotoluene	12.676	91	317780	20.362	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	377848	20.208	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	24546	19.368	ug/l	98
82) 4-Chlorotoluene	12.773	91	329610	20.185	ug/l	97
83) tert-Butylbenzene	12.993	119	337520	19.931	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	379156	20.498	ug/l	98
85) sec-Butylbenzene	13.176	105	503224	20.424	ug/l	99
86) p-Isopropyltoluene	13.292	119	418859	20.125	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	235675	20.278	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	229951	19.976	ug/l	98
89) n-Butylbenzene	13.615	91	368655	19.972	ug/l	98
90) Hexachloroethane	13.877	117	89244	19.779	ug/l	94
91) 1,2-Dichlorobenzene	13.657	146	204225	20.154	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12084	19.960	ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	119895	20.284	ug/l	97
94) Hexachlorobutadiene	15.023	225	73735	20.176	ug/l	98
95) Naphthalene	15.139	128	184113	19.379	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	103579	20.177	ug/l	99

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

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