

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
 Data File : VY023323.D
 Acq On : 10 Sep 2025 10:11
 Operator : SY/MD
 Sample : VY0910SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 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 03:46:27 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	502093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	763457	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	676997	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	350574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	218744	49.580	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.160%		
35) Dibromofluoromethane	7.634	113	230025	49.290	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.580%		
50) Toluene-d8	10.109	98	890309	50.523	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	101.040%		
62) 4-Bromofluorobenzene	12.408	95	280578	50.595	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	83772	20.797	ug/l	94
3) Chloromethane	2.074	50	124849	21.660	ug/l	98
4) Vinyl Chloride	2.208	62	154360	21.257	ug/l	98
5) Bromomethane	2.592	94	131063	22.105	ug/l	98
6) Chloroethane	2.739	64	104502	21.266	ug/l	99
7) Trichlorofluoromethane	3.056	101	191708	20.917	ug/l	98
8) Diethyl Ether	3.458	74	48823	20.133	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	104265	21.154	ug/l	97
10) Methyl Iodide	4.007	142	103901	18.071	ug/l	99
11) Tert butyl alcohol	4.860	59	25296	99.227	ug/l	100
12) 1,1-Dichloroethene	3.793	96	95363	20.112	ug/l	94
13) Acrolein	3.653	56	40337	93.593	ug/l	98
14) Allyl chloride	4.385	41	122336	20.424	ug/l	97
15) Acrylonitrile	5.055	53	93413	97.849	ug/l	99
16) Acetone	3.866	43	108202	107.667	ug/l	99
17) Carbon Disulfide	4.104	76	307699	20.497	ug/l	98
18) Methyl Acetate	4.385	43	47119	19.114	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	223833	20.077	ug/l	99
20) Methylene Chloride	4.616	84	124829	23.217	ug/l	91
21) trans-1,2-Dichloroethene	5.116	96	109436	20.657	ug/l	94
22) Diisopropyl ether	6.019	45	276095	20.698	ug/l	95
23) Vinyl Acetate	5.964	43	734886	99.652	ug/l	98
24) 1,1-Dichloroethane	5.915	63	180883	20.732	ug/l	99
25) 2-Butanone	6.896	43	128844	104.167	ug/l	96
26) 2,2-Dichloropropane	6.884	77	159633	20.721	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	123443	20.576	ug/l	93
28) Bromochloromethane	7.250	49	68387	19.920	ug/l	87
29) Tetrahydrofuran	7.268	42	71592	97.583	ug/l	96
30) Chloroform	7.421	83	194077	20.702	ug/l	98
31) Cyclohexane	7.707	56	154305	19.986	ug/l	93
32) 1,1,1-Trichloroethane	7.622	97	175185	20.916	ug/l	98
36) 1,1-Dichloropropene	7.841	75	135903	20.447	ug/l	98
37) Ethyl Acetate	6.988	43	50803	19.214	ug/l	98
38) Carbon Tetrachloride	7.823	117	156951	20.522	ug/l	96
39) Methylcyclohexane	9.109	83	171725	20.195	ug/l	97
40) Benzene	8.085	78	427299	20.682	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	27118m	19.805	ug/l	
42) 1,2-Dichloroethane	8.158	62	107843	20.502	ug/l	99
43) Isopropyl Acetate	8.201	43	100820	19.605	ug/l	99
44) Trichloroethene	8.866	130	120223	20.892	ug/l	94
45) 1,2-Dichloropropane	9.140	63	95935	20.561	ug/l	100
46) Dibromomethane	9.231	93	58770	20.683	ug/l	97
47) Bromodichloromethane	9.426	83	145234	20.316	ug/l	98
48) Methyl methacrylate	9.219	41	45877	19.139	ug/l	92
49) 1,4-Dioxane	9.231	88	11177	387.495	ug/l	95
51) 4-Methyl-2-Pentanone	10.000	43	258579	98.282	ug/l	99
52) Toluene	10.170	92	276761	21.109	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	122968	19.980	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	147845	20.103	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	78045	20.648	ug/l	98
56) Ethyl methacrylate	10.438	69	83357	19.035	ug/l	97
57) 1,3-Dichloropropane	10.719	76	123908	20.193	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	175044	91.713	ug/l	94
59) 2-Hexanone	10.762	43	186389	102.479	ug/l	99
60) Dibromochloromethane	10.914	129	104904	20.455	ug/l	100
61) 1,2-Dibromoethane	11.018	107	71541	20.198	ug/l	99
64) Tetrachloroethene	10.646	164	145016	21.492	ug/l	99
65) Chlorobenzene	11.444	112	298856	20.151	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	106850	20.525	ug/l	99
67) Ethyl Benzene	11.518	91	489602	20.207	ug/l	98
68) m/p-Xylenes	11.627	106	400072	41.235	ug/l	96
69) o-Xylene	11.956	106	180809	20.131	ug/l	98
70) Styrene	11.969	104	304780	20.475	ug/l	98
71) Bromoform	12.133	173	62453	20.145	ug/l #	100
73) Isopropylbenzene	12.255	105	475777	20.147	ug/l	100
74) N-amyl acetate	12.066	43	85132	19.072	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	76249	19.239	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	71554m	20.155	ug/l	
77) Bromobenzene	12.530	156	121187	20.087	ug/l	94
78) n-propylbenzene	12.597	91	571399	20.530	ug/l	98
79) 2-Chlorotoluene	12.682	91	323583	20.185	ug/l	96
80) 1,3,5-Trimethylbenzene	12.737	105	387970	20.200	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	23944	18.393	ug/l	97
82) 4-Chlorotoluene	12.780	91	339877	20.262	ug/l	98
83) tert-Butylbenzene	12.999	119	345942	19.887	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	390370	20.545	ug/l	99
85) sec-Butylbenzene	13.176	105	511538	20.211	ug/l	99
86) p-Isopropyltoluene	13.292	119	431225	20.170	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	238915	20.012	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	239570	20.260	ug/l	99
89) n-Butylbenzene	13.615	91	377453	19.908	ug/l	99
90) Hexachloroethane	13.877	117	94023	20.286	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	210268	20.200	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11991	19.282	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	120603	19.863	ug/l	99
94) Hexachlorobutadiene	15.023	225	77088	20.534	ug/l	99
95) Naphthalene	15.145	128	175490	17.982	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	105368	19.982	ug/l	98

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

