

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
 Data File : VY023338.D
 Acq On : 11 Sep 2025 10:18
 Operator : SY/MD
 Sample : VY0911SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBS01

Quant Time: Sep 12 01:22:41 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/12/2025
 Supervised By :Semsettin Yesilyurt 09/12/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	502731	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	761637	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	666312	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	349115	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	197454	44.697	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.400%		
35) Dibromofluoromethane	7.634	113	214582	46.091	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.180%		
50) Toluene-d8	10.109	98	835931	47.550	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.100%		
62) 4-Bromofluorobenzene	12.408	95	258607	46.745	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	85284	21.145	ug/l	99
3) Chloromethane	2.074	50	125377	21.724	ug/l	95
4) Vinyl Chloride	2.208	62	149165	20.516	ug/l	97
5) Bromomethane	2.592	94	126097	21.240	ug/l	100
6) Chloroethane	2.739	64	102524	20.837	ug/l	97
7) Trichlorofluoromethane	3.056	101	195673	21.322	ug/l	99
8) Diethyl Ether	3.458	74	47345	19.498	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	101441	20.555	ug/l	98
10) Methyl Iodide	4.007	142	93982	16.325	ug/l	98
11) Tert butyl alcohol	4.866	59	23375	91.576	ug/l #	88
12) 1,1-Dichloroethene	3.793	96	95041	20.019	ug/l	91
13) Acrolein	3.653	56	36451	84.469	ug/l	95
14) Allyl chloride	4.385	41	116526	19.430	ug/l	97
15) Acrylonitrile	5.061	53	91474	95.696	ug/l	97
16) Acetone	3.872	43	96774	96.173	ug/l	96
17) Carbon Disulfide	4.104	76	297793	19.812	ug/l	98
18) Methyl Acetate	4.391	43	46309	18.761	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	214104	19.180	ug/l	96
20) Methylene Chloride	4.616	84	117682	21.860	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	105321	19.855	ug/l	94
22) Diisopropyl ether	6.018	45	267785	20.049	ug/l	93
23) Vinyl Acetate	5.964	43	702594	95.153	ug/l	98
24) 1,1-Dichloroethane	5.921	63	176535	20.208	ug/l	97
25) 2-Butanone	6.896	43	120169	97.031	ug/l	92
26) 2,2-Dichloropropane	6.884	77	156648	20.308	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	119978	19.973	ug/l	95
28) Bromochloromethane	7.250	49	66792	19.431	ug/l	88
29) Tetrahydrofuran	7.262	42	67036	91.257	ug/l	96
30) Chloroform	7.421	83	189857	20.227	ug/l	93
31) Cyclohexane	7.707	56	149608	19.353	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	169643	20.229	ug/l	99
36) 1,1-Dichloropropene	7.835	75	133839	20.184	ug/l	98
37) Ethyl Acetate	6.988	43	49877	18.909	ug/l	98
38) Carbon Tetrachloride	7.823	117	154693	20.275	ug/l	96
39) Methylcyclohexane	9.109	83	167200	19.710	ug/l	97
40) Benzene	8.085	78	422815	20.514	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	30013m	21.972	ug/l	
42) 1,2-Dichloroethane	8.158	62	104545	19.923	ug/l	98
43) Isopropyl Acetate	8.201	43	95075	18.532	ug/l	98
44) Trichloroethene	8.865	130	116340	20.265	ug/l	94
45) 1,2-Dichloropropane	9.140	63	93799	20.151	ug/l	98
46) Dibromomethane	9.231	93	56015	19.760	ug/l	97
47) Bromodichloromethane	9.426	83	145136	20.351	ug/l	99
48) Methyl methacrylate	9.219	41	41768	17.467	ug/l	87
49) 1,4-Dioxane	9.231	88	10810	375.667	ug/l	90
51) 4-Methyl-2-Pentanone	9.999	43	244722	93.238	ug/l	98
52) Toluene	10.170	92	270108	20.651	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	121881	19.851	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	146088	19.912	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	74404	19.732	ug/l	95
56) Ethyl methacrylate	10.438	69	81277	18.604	ug/l	95
57) 1,3-Dichloropropane	10.719	76	121457	19.841	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	166798	87.601	ug/l	95
59) 2-Hexanone	10.761	43	174894	96.389	ug/l	99
60) Dibromochloromethane	10.914	129	100650	19.672	ug/l	98
61) 1,2-Dibromoethane	11.018	107	69704	19.727	ug/l	99
64) Tetrachloroethene	10.646	164	142817	21.506	ug/l	99
65) Chlorobenzene	11.444	112	298216	20.430	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	103283	20.158	ug/l	98
67) Ethyl Benzene	11.517	91	481337	20.184	ug/l	99
68) m/p-Xylenes	11.627	106	395247	41.391	ug/l	95
69) o-Xylene	11.956	106	176176	19.930	ug/l	99
70) Styrene	11.969	104	298957	20.406	ug/l	98
71) Bromoform	12.133	173	60474	19.820	ug/l #	100
73) Isopropylbenzene	12.255	105	461568	19.627	ug/l	99
74) N-amyl acetate	12.072	43	76545	17.220	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.505	83	72054	18.257	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	68437m	19.357	ug/l	
77) Bromobenzene	12.529	156	118443	19.714	ug/l	93
78) n-propylbenzene	12.597	91	554600	20.009	ug/l	99
79) 2-Chlorotoluene	12.682	91	318942	19.979	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	384589	20.108	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	23229	17.918	ug/l	99
82) 4-Chlorotoluene	12.779	91	331983	19.874	ug/l	97
83) tert-Butylbenzene	12.999	119	335958	19.394	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	381335	20.154	ug/l	100
85) sec-Butylbenzene	13.176	105	500159	19.844	ug/l	99
86) p-Isopropyltoluene	13.291	119	423292	19.882	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	234363	19.713	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	231069	19.623	ug/l	99
89) n-Butylbenzene	13.615	91	368066	19.494	ug/l	98
90) Hexachloroethane	13.877	117	89780	19.451	ug/l	94
91) 1,2-Dichlorobenzene	13.657	146	205368	19.812	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10896	17.595	ug/l	88
93) 1,2,4-Trichlorobenzene	14.919	180	116470	19.263	ug/l	99
94) Hexachlorobutadiene	15.023	225	74227	19.855	ug/l	99
95) Naphthalene	15.145	128	169637	17.455	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	99907	19.026	ug/l	100

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

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