

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
 Data File : VY023254.D
 Acq On : 02 Sep 2025 10:32
 Operator : SY/MD
 Sample : VY0902SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0902SBS01

Quant Time: Sep 03 03:27:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/03/2025
 Supervised By :Semsettin Yesilyurt 09/03/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	456395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	704595	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	630936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	331529	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	213772	49.146	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.300%		
35) Dibromofluoromethane	7.634	113	224889	53.341	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	106.680%		
50) Toluene-d8	10.109	98	854184	51.862	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	103.720%		
62) 4-Bromofluorobenzene	12.408	95	272698	51.483	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	102.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	79076	21.226	ug/l	99
3) Chloromethane	2.074	50	116970	19.386	ug/l	99
4) Vinyl Chloride	2.208	62	147578	19.786	ug/l	100
5) Bromomethane	2.592	94	126202	22.656	ug/l	99
6) Chloroethane	2.739	64	99882	20.143	ug/l	99
7) Trichlorofluoromethane	3.056	101	188209	20.752	ug/l	100
8) Diethyl Ether	3.458	74	52084	21.706	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	99829	22.311	ug/l	97
10) Methyl Iodide	4.007	142	98371	20.374	ug/l	97
11) Tert butyl alcohol	4.860	59	29065	97.520	ug/l	99
12) 1,1-Dichloroethene	3.793	96	94227	21.425	ug/l	91
13) Acrolein	3.653	56	20459	46.872	ug/l	99
14) Allyl chloride	4.385	41	121370	18.755	ug/l	98
15) Acrylonitrile	5.061	53	102522	105.097	ug/l	99
16) Acetone	3.873	43	127317	135.106	ug/l	97
17) Carbon Disulfide	4.104	76	285706	19.923	ug/l	100
18) Methyl Acetate	4.385	43	55207	19.687	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	228215	20.025	ug/l	100
20) Methylene Chloride	4.616	84	141871	27.764	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	103658	20.973	ug/l	96
22) Diisopropyl ether	6.019	45	277677	19.746	ug/l	94
23) Vinyl Acetate	5.964	43	749248	96.356	ug/l	98
24) 1,1-Dichloroethane	5.921	63	178165	20.723	ug/l	99
25) 2-Butanone	6.896	43	147913	115.409	ug/l	96
26) 2,2-Dichloropropane	6.890	77	155939	21.020	ug/l	97
27) cis-1,2-Dichloroethene	6.890	96	121553	21.274	ug/l	95
28) Bromochloromethane	7.250	49	74105	21.725	ug/l	92
29) Tetrahydrofuran	7.268	42	78522	98.840	ug/l	97
30) Chloroform	7.421	83	193153	21.783	ug/l	97
31) Cyclohexane	7.707	56	149954	18.508	ug/l	93
32) 1,1,1-Trichloroethane	7.622	97	169137	21.498	ug/l	99
36) 1,1-Dichloropropene	7.835	75	132778	21.191	ug/l	99
37) Ethyl Acetate	6.988	43	55273	21.000	ug/l	98
38) Carbon Tetrachloride	7.817	117	153135	22.502	ug/l	97
39) Methylcyclohexane	9.109	83	166749	20.209	ug/l	98
40) Benzene	8.085	78	420440	21.771	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	30115	19.825	ug/l	92
42) 1,2-Dichloroethane	8.158	62	108316	21.566	ug/l	99
43) Isopropyl Acetate	8.201	43	107240	20.159	ug/l	96
44) Trichloroethene	8.866	130	117554	23.555	ug/l	99
45) 1,2-Dichloropropane	9.140	63	97017	21.834	ug/l	97
46) Dibromomethane	9.231	93	57944	22.720	ug/l	95
47) Bromodichloromethane	9.427	83	147709	22.508	ug/l	98
48) Methyl methacrylate	9.219	41	50031	19.654	ug/l	94
49) 1,4-Dioxane	9.231	88	12634	422.484	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	279928	102.011	ug/l	98
52) Toluene	10.170	92	267478	21.808	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	126561	21.297	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	150288	21.387	ug/l	94
55) 1,1,2-Trichloroethane	10.573	97	77733	22.778	ug/l	96
56) Ethyl methacrylate	10.439	69	85649	19.613	ug/l	97
57) 1,3-Dichloropropane	10.719	76	129608	22.394	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	194228	94.292	ug/l	95
59) 2-Hexanone	10.762	43	202142	108.182	ug/l	99
60) Dibromochloromethane	10.914	129	104774	23.267	ug/l	98
61) 1,2-Dibromoethane	11.012	107	74165	23.122	ug/l	98
64) Tetrachloroethene	10.646	164	143416	25.456	ug/l	98
65) Chlorobenzene	11.444	112	299955	22.040	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	106653	23.091	ug/l	98
67) Ethyl Benzene	11.518	91	483058	20.626	ug/l	99
68) m/p-Xylenes	11.627	106	392879	42.951	ug/l	96
69) o-Xylene	11.957	106	180336	21.050	ug/l	97
70) Styrene	11.969	104	298853	21.331	ug/l	98
71) Bromoform	12.133	173	63721	23.605	ug/l #	98
73) Isopropylbenzene	12.255	105	466356	19.931	ug/l	99
74) N-amyl acetate	12.072	43	88151	17.765	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.505	83	78270	19.590	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	60718m	18.977	ug/l	
77) Bromobenzene	12.530	156	118533	21.234	ug/l	94
78) n-propylbenzene	12.597	91	556041	19.960	ug/l	98
79) 2-Chlorotoluene	12.676	91	318200	19.936	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	383045	20.255	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	24854	18.803	ug/l	93
82) 4-Chlorotoluene	12.773	91	332815	20.100	ug/l	98
83) tert-Butylbenzene	12.999	119	338060	19.793	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	384551	20.428	ug/l	100
85) sec-Butylbenzene	13.176	105	503289	20.060	ug/l	100
86) p-Isopropyltoluene	13.292	119	418831	20.111	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	234219	21.276	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	235755	21.589	ug/l	99
89) n-Butylbenzene	13.615	91	372158	19.457	ug/l	99
90) Hexachloroethane	13.877	117	89650	21.028	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	208372	21.583	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12495	20.087	ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	119064	20.855	ug/l	99
94) Hexachlorobutadiene	15.023	225	73759	21.986	ug/l	99
95) Naphthalene	15.145	128	187354	19.245	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	103841	21.107	ug/l	99

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

