

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090325\
 Data File : VY023271.D
 Acq On : 03 Sep 2025 11:01
 Operator : SY/MD
 Sample : VY0903SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0903SBS01

Quant Time: Sep 04 01:15:03 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 09/04/2025
 Supervised By :Semsettin Yesilyurt 09/04/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	469814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	724754	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	631760	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	325334	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	203114	45.362	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.720%		
35) Dibromofluoromethane	7.640	113	221047	50.971	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.940%		
50) Toluene-d8	10.109	98	840705	49.623	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.240%		
62) 4-Bromofluorobenzene	12.408	95	268817	49.339	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.680%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	78822	20.554	ug/l	99
3) Chloromethane	2.074	50	117522	18.921	ug/l	99
4) Vinyl Chloride	2.208	62	151635	19.749	ug/l	100
5) Bromomethane	2.592	94	128885	22.477	ug/l	98
6) Chloroethane	2.739	64	102582	20.096	ug/l	97
7) Trichlorofluoromethane	3.056	101	189363	20.283	ug/l	99
8) Diethyl Ether	3.452	74	49429	20.012	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	98166	21.313	ug/l	97
10) Methyl Iodide	4.007	142	101440	20.410	ug/l	99
11) Tert butyl alcohol	4.860	59	24369	79.429	ug/l	100
12) 1,1-Dichloroethene	3.793	96	94139	20.794	ug/l	92
13) Acrolein	3.659	56	17670	39.326	ug/l	99
14) Allyl chloride	4.385	41	120058	18.022	ug/l	96
15) Acrylonitrile	5.055	53	92251	91.867	ug/l	99
16) Acetone	3.873	43	121672	125.427	ug/l	97
17) Carbon Disulfide	4.110	76	285187	19.319	ug/l	99
18) Methyl Acetate	4.391	43	50496	17.492	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	221192	18.854	ug/l	96
20) Methylene Chloride	4.616	84	122385	22.801	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	106636	20.959	ug/l	91
22) Diisopropyl ether	6.025	45	271468	18.753	ug/l	96
23) Vinyl Acetate	5.964	43	717336	89.617	ug/l	98
24) 1,1-Dichloroethane	5.915	63	179275	20.256	ug/l	99
25) 2-Butanone	6.896	43	138044	104.633	ug/l	99
26) 2,2-Dichloropropane	6.890	77	159307	20.860	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	121703	20.692	ug/l	96
28) Bromochloromethane	7.250	49	68732	19.575	ug/l	91
29) Tetrahydrofuran	7.262	42	69652	85.171	ug/l	96
30) Chloroform	7.421	83	194027	21.257	ug/l	98
31) Cyclohexane	7.707	56	150713	18.071	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	170169	21.011	ug/l	99
36) 1,1-Dichloropropene	7.835	75	133638	20.735	ug/l	98
37) Ethyl Acetate	6.988	43	49969	18.457	ug/l	98
38) Carbon Tetrachloride	7.823	117	153357	21.908	ug/l	97
39) Methylcyclohexane	9.109	83	168442	19.847	ug/l	98
40) Benzene	8.085	78	423721	21.331	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	30927m	19.794	ug/l	
42) 1,2-Dichloroethane	8.158	62	106307	20.577	ug/l	98
43) Isopropyl Acetate	8.201	43	98696	18.037	ug/l	98
44) Trichloroethene	8.866	130	117073	22.806	ug/l	96
45) 1,2-Dichloropropane	9.140	63	94969	20.778	ug/l	96
46) Dibromomethane	9.231	93	55865	21.295	ug/l	95
47) Bromodichloromethane	9.426	83	143229	21.218	ug/l	100
48) Methyl methacrylate	9.225	41	45187	17.257	ug/l	92
49) 1,4-Dioxane	9.225	88	11387	370.192	ug/l	87
51) 4-Methyl-2-Pentanone	9.999	43	255647	90.572	ug/l	100
52) Toluene	10.170	92	269026	21.324	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	121784	19.923	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	147828	20.452	ug/l	95
55) 1,1,2-Trichloroethane	10.573	97	74868	21.328	ug/l	97
56) Ethyl methacrylate	10.438	69	83730	18.641	ug/l	96
57) 1,3-Dichloropropane	10.719	76	122171	20.522	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	184625	87.137	ug/l	97
59) 2-Hexanone	10.762	43	189500	98.596	ug/l	99
60) Dibromochloromethane	10.914	129	102855	22.206	ug/l	99
61) 1,2-Dibromoethane	11.018	107	72102	21.854	ug/l	97
64) Tetrachloroethene	10.652	164	139262	24.687	ug/l	98
65) Chlorobenzene	11.444	112	299598	21.985	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.517	131	103005	22.272	ug/l	98
67) Ethyl Benzene	11.517	91	486823	20.759	ug/l	98
68) m/p-Xylenes	11.633	106	396069	43.243	ug/l	96
69) o-Xylene	11.956	106	182131	21.232	ug/l	98
70) Styrene	11.969	104	300450	21.417	ug/l	99
71) Bromoform	12.133	173	59021	21.835	ug/l #	99
73) Isopropylbenzene	12.255	105	468054	20.384	ug/l	99
74) N-amyl acetate	12.072	43	79277	16.281	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.505	83	73172	18.663	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	59500m	18.950	ug/l	
77) Bromobenzene	12.529	156	117731	21.492	ug/l	93
78) n-propylbenzene	12.597	91	566256	20.714	ug/l	99
79) 2-Chlorotoluene	12.682	91	322923	20.617	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	389510	20.989	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	24727	19.064	ug/l	97
82) 4-Chlorotoluene	12.779	91	333594	20.531	ug/l	97
83) tert-Butylbenzene	12.999	119	347901	20.757	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	388077	21.008	ug/l	100
85) sec-Butylbenzene	13.176	105	514644	20.903	ug/l	100
86) p-Isopropyltoluene	13.292	119	426607	20.875	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	235452	21.796	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	231937	21.644	ug/l	99
89) n-Butylbenzene	13.615	91	375471	20.004	ug/l	98
90) Hexachloroethane	13.877	117	92942	22.216	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	206458	21.792	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11587	18.982	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	118172	21.093	ug/l	99
94) Hexachlorobutadiene	15.023	225	73853	22.433	ug/l	98
95) Naphthalene	15.145	128	175104	18.329	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	99855	20.684	ug/l	99

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

