

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022971.D
 Acq On : 08 Jul 2025 12:35
 Operator : SY/MD
 Sample : VY0708SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0708SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/09/2025
 Supervised By :Semsettin Yesilyurt 07/09/2025

Quant Time: Jul 09 02:30:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	399251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	665251	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	569445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	263984	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	217091	48.718	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.440%		
35) Dibromofluoromethane	7.634	113	202487	50.049	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.100%		
50) Toluene-d8	10.103	98	810448	50.482	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.960%		
62) 4-Bromofluorobenzene	12.401	95	243721	47.225	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.440%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	67813	19.863	ug/l	97
3) Chloromethane	2.068	50	127906	19.620	ug/l	100
4) Vinyl Chloride	2.202	62	159284	19.557	ug/l	100
5) Bromomethane	2.592	94	131016	20.462	ug/l	99
6) Chloroethane	2.732	64	109954	20.084	ug/l	95
7) Trichlorofluoromethane	3.049	101	174037	19.298	ug/l	99
8) Diethyl Ether	3.452	74	45360	20.365	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.811	101	86854	21.074	ug/l	98
10) Methyl Iodide	4.000	142	86024	19.171	ug/l	99
11) Tert butyl alcohol	4.860	59	26374	89.013	ug/l	96
12) 1,1-Dichloroethene	3.787	96	83452	20.650	ug/l	96
13) Acrolein	3.653	56	24652	61.357	ug/l	99
14) Allyl chloride	4.378	41	132023	21.240	ug/l	94
15) Acrylonitrile	5.055	53	92807	99.864	ug/l	99
16) Acetone	3.866	43	124738	148.105	ug/l	98
17) Carbon Disulfide	4.104	76	262641	20.118	ug/l	97
18) Methyl Acetate	4.385	43	51953	18.627	ug/l	96
19) Methyl tert-butyl Ether	5.110	73	213340	19.388	ug/l	96
20) Methylene Chloride	4.610	84	154852	29.114	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	92914	20.117	ug/l	96
22) Diisopropyl ether	6.018	45	294211	21.313	ug/l	97
23) Vinyl Acetate	5.957	43	782864	102.686	ug/l	100
24) 1,1-Dichloroethane	5.909	63	176388	21.154	ug/l	99
25) 2-Butanone	6.890	43	145489	118.689	ug/l	96
26) 2,2-Dichloropropane	6.884	77	152183	21.773	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	109910	20.479	ug/l	99
28) Bromochloromethane	7.244	49	72809	20.770	ug/l	96
29) Tetrahydrofuran	7.256	42	74925	96.799	ug/l	99
30) Chloroform	7.421	83	176931	20.602	ug/l	95
31) Cyclohexane	7.701	56	161275	21.071	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	155586	20.965	ug/l	98
36) 1,1-Dichloropropene	7.835	75	128275	20.918	ug/l	100
37) Ethyl Acetate	6.982	43	54625	20.643	ug/l	98
38) Carbon Tetrachloride	7.817	117	133516	20.635	ug/l	98
39) Methylcyclohexane	9.109	83	162178	20.436	ug/l	99
40) Benzene	8.079	78	395273	20.965	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	31584m	19.388	ug/l	
42) 1,2-Dichloroethane	8.158	62	107672	20.840	ug/l	99
43) Isopropyl Acetate	8.195	43	105668	19.213	ug/l	99
44) Trichloroethene	8.865	130	97316	20.558	ug/l	96
45) 1,2-Dichloropropane	9.140	63	93199	21.121	ug/l	97
46) Dibromomethane	9.231	93	51422	20.528	ug/l	98
47) Bromodichloromethane	9.420	83	133840	20.720	ug/l	98
48) Methyl methacrylate	9.219	41	54050	20.443	ug/l	93
49) 1,4-Dioxane	9.225	88	10890	367.965	ug/l #	91
51) 4-Methyl-2-Pentanone	9.993	43	271201	97.035	ug/l	97
52) Toluene	10.170	92	243370	20.460	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	115115	19.807	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	139372	20.682	ug/l	94
55) 1,1,2-Trichloroethane	10.572	97	64895	20.007	ug/l	97
56) Ethyl methacrylate	10.438	69	80561	18.460	ug/l	95
57) 1,3-Dichloropropane	10.713	76	115118	20.342	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	206217	99.933	ug/l	99
59) 2-Hexanone	10.755	43	204036	107.378	ug/l	99
60) Dibromochloromethane	10.908	129	81177	19.375	ug/l	99
61) 1,2-Dibromoethane	11.011	107	57927	19.084	ug/l	99
64) Tetrachloroethene	10.646	164	110326	20.508	ug/l	98
65) Chlorobenzene	11.438	112	252288	20.163	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	85151	20.092	ug/l	99
67) Ethyl Benzene	11.517	91	450946	20.512	ug/l	99
68) m/p-Xylenes	11.627	106	341420	40.175	ug/l	99
69) o-Xylene	11.950	106	159574	19.928	ug/l	99
70) Styrene	11.969	104	263302	19.630	ug/l	99
71) Bromoform	12.127	173	44557	18.882	ug/l #	97
73) Isopropylbenzene	12.249	105	412743	21.141	ug/l	99
74) N-amyl acetate	12.066	43	87409	19.946	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	63284	20.112	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	56370m	20.916	ug/l	
77) Bromobenzene	12.529	156	90482	20.447	ug/l	97
78) n-propylbenzene	12.590	91	510379	21.652	ug/l	99
79) 2-Chlorotoluene	12.676	91	284468	21.360	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	332200	21.078	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	21496	20.151	ug/l	97
82) 4-Chlorotoluene	12.773	91	289271	20.679	ug/l	99
83) tert-Butylbenzene	12.993	119	287043	20.651	ug/l	97
84) 1,2,4-Trimethylbenzene	13.035	105	325166	20.607	ug/l	98
85) sec-Butylbenzene	13.170	105	445657	21.310	ug/l	100
86) p-Isopropyltoluene	13.285	119	358173	20.581	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	184061	20.710	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	181660	20.577	ug/l	99
89) n-Butylbenzene	13.615	91	341068	20.835	ug/l	99
90) Hexachloroethane	13.877	117	74771	21.571	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	160668	20.514	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10326	19.352	ug/l	96
93) 1,2,4-Trichlorobenzene	14.913	180	81646	18.463	ug/l	98
94) Hexachlorobutadiene	15.017	225	48790	19.511	ug/l	97
95) Naphthalene	15.139	128	136884	17.117	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	69874	18.286	ug/l	99

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

