

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022905.D
 Acq On : 02 Jul 2025 12:12
 Operator : SY/MD
 Sample : VY0702SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0702SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/03/2025
 Supervised By :Semsettin Yesilyurt 07/03/2025

Quant Time: Jul 03 02:18:40 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	424569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	714057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	598160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	274634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	235952	49.793	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.580%		
35) Dibromofluoromethane	7.634	113	225723	51.979	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.960%		
50) Toluene-d8	10.109	98	894461	51.907	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	103.820%		
62) 4-Bromofluorobenzene	12.401	95	270945	48.912	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	73759	20.316	ug/l	96
3) Chloromethane	2.068	50	157084	22.659	ug/l	99
4) Vinyl Chloride	2.202	62	174099	20.101	ug/l	99
5) Bromomethane	2.592	94	148843	21.860	ug/l	99
6) Chloroethane	2.732	64	123901	21.282	ug/l	97
7) Trichlorofluoromethane	3.050	101	185784	19.372	ug/l	95
8) Diethyl Ether	3.452	74	49188	20.766	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	91614	20.904	ug/l	98
10) Methyl Iodide	4.001	142	88307	18.506	ug/l	100
11) Tert butyl alcohol	4.897	59	25331	80.394	ug/l	96
12) 1,1-Dichloroethene	3.787	96	88873	20.680	ug/l	95
13) Acrolein	3.653	56	30982	72.514	ug/l	98
14) Allyl chloride	4.385	41	140059	21.189	ug/l	94
15) Acrylonitrile	5.061	53	91750	92.839	ug/l	99
16) Acetone	3.879	43	96673	107.938	ug/l	96
17) Carbon Disulfide	4.104	76	285725	20.581	ug/l	99
18) Methyl Acetate	4.385	43	50397	16.991	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	222175	18.987	ug/l	97
20) Methylene Chloride	4.610	84	124394	21.993	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	100601	20.483	ug/l	99
22) Diisopropyl ether	6.025	45	308336	21.004	ug/l	96
23) Vinyl Acetate	5.964	43	812436	100.210	ug/l	99
24) 1,1-Dichloroethane	5.915	63	186164	20.996	ug/l	99
25) 2-Butanone	6.896	43	126649	97.159	ug/l	98
26) 2,2-Dichloropropane	6.884	77	158500	21.325	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	115091	20.166	ug/l	97
28) Bromochloromethane	7.244	49	75134	20.155	ug/l	97
29) Tetrahydrofuran	7.268	42	73905	89.788	ug/l	99
30) Chloroform	7.421	83	188954	20.690	ug/l	94
31) Cyclohexane	7.701	56	172610	21.207	ug/l	93
32) 1,1,1-Trichloroethane	7.622	97	164400	20.831	ug/l	99
36) 1,1-Dichloropropene	7.835	75	136737	20.774	ug/l	99
37) Ethyl Acetate	6.988	43	55440	19.519	ug/l	97
38) Carbon Tetrachloride	7.817	117	142274	20.485	ug/l	99
39) Methylcyclohexane	9.109	83	175349	20.586	ug/l	97
40) Benzene	8.079	78	417754	20.643	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	33907	19.391	ug/l #	87
42) 1,2-Dichloroethane	8.158	62	110820	19.983	ug/l	99
43) Isopropyl Acetate	8.201	43	106535	18.047	ug/l	100
44) Trichloroethene	8.866	130	100970	19.872	ug/l	97
45) 1,2-Dichloropropane	9.140	63	98745	20.848	ug/l	93
46) Dibromomethane	9.231	93	50099	18.633	ug/l	95
47) Bromodichloromethane	9.426	83	137237	19.794	ug/l	97
48) Methyl methacrylate	9.219	41	52213	18.398	ug/l	93
49) 1,4-Dioxane	9.237	88	10841	341.272	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	267882	89.297	ug/l	97
52) Toluene	10.170	92	256209	20.067	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	120668	19.343	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	146357	20.234	ug/l	95
55) 1,1,2-Trichloroethane	10.566	97	66898	19.215	ug/l	94
56) Ethyl methacrylate	10.438	69	83593	17.846	ug/l	94
57) 1,3-Dichloropropane	10.713	76	115303	18.982	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	207244	94.563	ug/l	99
59) 2-Hexanone	10.762	43	183863	90.148	ug/l	99
60) Dibromochloromethane	10.908	129	84438	18.776	ug/l	99
61) 1,2-Dibromoethane	11.011	107	59702	18.325	ug/l	98
64) Tetrachloroethene	10.646	164	111566	19.743	ug/l	98
65) Chlorobenzene	11.438	112	267982	20.389	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	88130	19.797	ug/l	98
67) Ethyl Benzene	11.518	91	475405	20.586	ug/l	100
68) m/p-Xylenes	11.627	106	362056	40.558	ug/l	99
69) o-Xylene	11.950	106	168231	20.000	ug/l	98
70) Styrene	11.969	104	277444	19.692	ug/l	100
71) Bromoform	12.133	173	45687	18.431	ug/l #	97
73) Isopropylbenzene	12.255	105	442479	21.785	ug/l	100
74) N-amyl acetate	12.066	43	89392	19.608	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	68209	20.837	ug/l	96
76) 1,2,3-Trichloropropane	12.554	75	49251m	17.566	ug/l	
77) Bromobenzene	12.530	156	95387	20.719	ug/l	99
78) n-propylbenzene	12.597	91	535170	21.824	ug/l	98
79) 2-Chlorotoluene	12.676	91	301072	21.730	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	352500	21.499	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	21683	19.538	ug/l	98
82) 4-Chlorotoluene	12.773	91	306721	21.076	ug/l	100
83) tert-Butylbenzene	12.993	119	319348	22.085	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	348148	21.208	ug/l	99
85) sec-Butylbenzene	13.176	105	476969	21.923	ug/l	99
86) p-Isopropyltoluene	13.292	119	388241	21.443	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	188954	20.436	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	188266	20.498	ug/l	98
89) n-Butylbenzene	13.615	91	365542	21.464	ug/l	99
90) Hexachloroethane	13.877	117	78274	21.706	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	164154	20.146	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	10173	18.326	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	84875	18.449	ug/l	98
94) Hexachlorobutadiene	15.023	225	51596	19.833	ug/l	99
95) Naphthalene	15.145	128	135120	16.242	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	71165	17.901	ug/l	99

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

