

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022563.D
 Acq On : 05 Jun 2025 10:31
 Operator : SY/MD
 Sample : VY0605SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0605SBS01

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 06/06/2025
 Supervised By : Semsettin Yesilyurt 06/06/2025

Quant Time: Jun 06 01:20:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	171513	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	299069	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	250902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	116347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	104515	54.484	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.960%	
35) Dibromofluoromethane	7.634	113	94636	53.015	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.020%	
50) Toluene-d8	10.103	98	387044	53.660	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.320%	
62) 4-Bromofluorobenzene	12.401	95	109811	51.097	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.200%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	35111	22.865	ug/l	97
3) Chloromethane	2.068	50	94968	20.935	ug/l	98
4) Vinyl Chloride	2.196	62	137155	26.062	ug/l	99
5) Bromomethane	2.586	94	116911	23.178	ug/l	97
6) Chloroethane	2.726	64	95270	26.375	ug/l	95
7) Trichlorofluoromethane	3.043	101	120846	27.049	ug/l	99
8) Diethyl Ether	3.452	74	23158	23.017	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.805	101	41451	22.029	ug/l	100
10) Methyl Iodide	4.001	142	39955	19.622	ug/l	99
11) Tert butyl alcohol	4.872	59	15513	113.225	ug/l #	90
12) 1,1-Dichloroethene	3.781	96	40943	22.764	ug/l	93
13) Acrolein	3.647	56	17986	105.336	ug/l	100
14) Allyl chloride	4.372	41	61208	21.678	ug/l	99
15) Acrylonitrile	5.061	53	46908	110.086	ug/l	99
16) Acetone	3.866	43	54882	140.877	ug/l	91
17) Carbon Disulfide	4.098	76	125734	21.835	ug/l	98
18) Methyl Acetate	4.378	43	23772	20.606	ug/l	94
19) Methyl tert-butyl Ether	5.116	73	109144	21.545	ug/l	99
20) Methylene Chloride	4.604	84	50649	22.888	ug/l	96
21) trans-1,2-Dichloroethene	5.104	96	45005	22.357	ug/l	88
22) Diisopropyl ether	6.012	45	137987	21.955	ug/l	96
23) Vinyl Acetate	5.957	43	404379	108.707	ug/l	99
24) 1,1-Dichloroethane	5.915	63	85509	23.095	ug/l	99
25) 2-Butanone	6.890	43	71086	126.501	ug/l	94
26) 2,2-Dichloropropane	6.878	77	72964	22.303	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	51947	22.326	ug/l	98
28) Bromochloromethane	7.244	49	33767	20.922	ug/l	97
29) Tetrahydrofuran	7.262	42	38537	106.328	ug/l	99
30) Chloroform	7.415	83	83488	22.765	ug/l	94
31) Cyclohexane	7.695	56	76849	20.848	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	72758	22.349	ug/l	100
36) 1,1-Dichloropropene	7.835	75	62370	21.528	ug/l	99
37) Ethyl Acetate	6.982	43	27096	20.972	ug/l	98
38) Carbon Tetrachloride	7.817	117	62934	21.175	ug/l	97
39) Methylcyclohexane	9.103	83	79441	20.404	ug/l	97
40) Benzene	8.079	78	190626	22.277	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	14358	19.026	ug/l	94
42) 1,2-Dichloroethane	8.152	62	50165	21.470	ug/l	99
43) Isopropyl Acetate	8.195	43	57623	20.651	ug/l	98
44) Trichloroethene	8.859	130	45527	21.769	ug/l	99
45) 1,2-Dichloropropane	9.140	63	44534	22.021	ug/l	98
46) Dibromomethane	9.231	93	23765	20.888	ug/l	99
47) Bromodichloromethane	9.420	83	63034	21.850	ug/l	99
48) Methyl methacrylate	9.219	41	26807	20.470	ug/l	98
49) 1,4-Dioxane	9.231	88	5776	428.524	ug/l	93
51) 4-Methyl-2-Pentanone	9.993	43	144095	103.576	ug/l	97
52) Toluene	10.170	92	116529	21.670	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	56558	20.924	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	65544	20.831	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	31120	21.451	ug/l	95
56) Ethyl methacrylate	10.438	69	41323	19.707	ug/l	96
57) 1,3-Dichloropropane	10.713	76	54935	21.364	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	102493	107.660	ug/l	100
59) 2-Hexanone	10.755	43	103548	111.292	ug/l	100
60) Dibromochloromethane	10.908	129	38073	20.651	ug/l	98
61) 1,2-Dibromoethane	11.011	107	27875	21.081	ug/l	95
64) Tetrachloroethene	10.646	164	49548	22.957	ug/l	97
65) Chlorobenzene	11.438	112	121644	21.909	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	39684	21.217	ug/l	100
67) Ethyl Benzene	11.517	91	217593	21.130	ug/l	98
68) m/p-Xylenes	11.627	106	163220	41.810	ug/l	100
69) o-Xylene	11.950	106	75945	20.749	ug/l	99
70) Styrene	11.969	104	127314	21.043	ug/l	99
71) Bromoform	12.127	173	20312	20.408	ug/l #	99
73) Isopropylbenzene	12.249	105	201893	21.136	ug/l	99
74) N-amyl acetate	12.066	43	50717	21.043	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	32461	20.706	ug/l	96
76) 1,2,3-Trichloropropane	12.554	75	27764m	20.859	ug/l	
77) Bromobenzene	12.529	156	42773	21.220	ug/l	98
78) n-propylbenzene	12.590	91	243982	20.912	ug/l	100
79) 2-Chlorotoluene	12.676	91	131993	21.346	ug/l	98
80) 1,3,5-Trimethylbenzene	12.731	105	158787	21.174	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	10836	19.660	ug/l	97
82) 4-Chlorotoluene	12.773	91	134210	21.040	ug/l	100
83) tert-Butylbenzene	12.993	119	144969	21.538	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	157471	20.995	ug/l	99
85) sec-Butylbenzene	13.170	105	216504	21.003	ug/l	100
86) p-Isopropyltoluene	13.285	119	179062	21.074	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	85217	20.866	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	83293	21.028	ug/l	98
89) n-Butylbenzene	13.615	91	170944	21.205	ug/l	100
90) Hexachloroethane	13.877	117	35005	21.161	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	72498	20.908	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4777	20.929	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	42659	22.557	ug/l	96
94) Hexachlorobutadiene	15.023	225	23120	22.150	ug/l	99
95) Naphthalene	15.139	128	77251	21.286	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	35644	21.993	ug/l	98

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

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