

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090525\
 Data File : VY023293.D
 Acq On : 05 Sep 2025 11:14
 Operator : SY/MD
 Sample : VY0905SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0905SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/08/2025
 Supervised By :Semsettin Yesilyurt 09/08/2025

Quant Time: Sep 06 01:54:07 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

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	450289	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	676614	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	602095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	311021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	213067	49.648	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.300%		
35) Dibromofluoromethane	7.634	113	226777	56.013	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	112.020%		
50) Toluene-d8	10.103	98	859011	54.312	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	108.620%		
62) 4-Bromofluorobenzene	12.402	95	270943	53.267	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	106.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	78188	21.273	ug/l	100
3) Chloromethane	2.068	50	113736	19.105	ug/l	98
4) Vinyl Chloride	2.202	62	152715	20.752	ug/l	97
5) Bromomethane	2.586	94	123492	22.470	ug/l	96
6) Chloroethane	2.733	64	101555	20.758	ug/l	97
7) Trichlorofluoromethane	3.050	101	193090	21.579	ug/l	96
8) Diethyl Ether	3.452	74	48196	20.358	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.806	101	97608	22.111	ug/l	98
10) Methyl Iodide	4.001	142	96868	20.335	ug/l	99
11) Tert butyl alcohol	4.866	59	26060	88.623	ug/l	100
12) 1,1-Dichloroethene	3.787	96	89552	20.638	ug/l	87
13) Acrolein	3.653	56	16921	39.292	ug/l	96
14) Allyl chloride	4.385	41	113930	17.844	ug/l	97
15) Acrylonitrile	5.055	53	94669	98.362	ug/l	99
16) Acetone	3.866	43	126980	136.575	ug/l	99
17) Carbon Disulfide	4.104	76	268168	18.954	ug/l	99
18) Methyl Acetate	4.379	43	53319	19.271	ug/l	94
19) Methyl tert-butyl Ether	5.116	73	215866	19.198	ug/l	100
20) Methylene Chloride	4.616	84	109688	21.135	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	99635	20.432	ug/l	98
22) Diisopropyl ether	6.019	45	260922	18.806	ug/l	94
23) Vinyl Acetate	5.958	43	693612	90.411	ug/l	96
24) 1,1-Dichloroethane	5.909	63	170184	20.063	ug/l	99
25) 2-Butanone	6.896	43	143378	113.388	ug/l	94
26) 2,2-Dichloropropane	6.884	77	149436	20.416	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	116061	20.588	ug/l	95
28) Bromochloromethane	7.244	49	67948	20.190	ug/l	92
29) Tetrahydrofuran	7.262	42	72768	92.840	ug/l	97
30) Chloroform	7.421	83	181922	20.795	ug/l	96
31) Cyclohexane	7.701	56	144268	18.048	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	163472	21.059	ug/l	99
36) 1,1-Dichloropropene	7.835	75	126050	20.949	ug/l	97
37) Ethyl Acetate	6.988	43	52401	20.732	ug/l	99
38) Carbon Tetrachloride	7.817	117	147621	22.589	ug/l	98
39) Methylcyclohexane	9.109	83	158099	19.953	ug/l	96
40) Benzene	8.079	78	398771	21.503	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	25420	17.427	ug/l #	88
42) 1,2-Dichloroethane	8.158	62	101593	21.064	ug/l	98
43) Isopropyl Acetate	8.195	43	97984	19.180	ug/l	97
44) Trichloroethene	8.866	130	112994	23.578	ug/l	97
45) 1,2-Dichloropropane	9.140	63	91888	21.535	ug/l	94
46) Dibromomethane	9.225	93	54642	22.311	ug/l	96
47) Bromodichloromethane	9.420	83	138681	22.006	ug/l	100
48) Methyl methacrylate	9.219	41	46441	18.998	ug/l	95
49) 1,4-Dioxane	9.231	88	11993	417.634	ug/l	94
51) 4-Methyl-2-Pentanone	9.993	43	264376	100.328	ug/l	98
52) Toluene	10.170	92	255339	21.679	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	119538	20.947	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	142385	21.100	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	73913	22.554	ug/l	98
56) Ethyl methacrylate	10.438	69	80074	19.095	ug/l	97
57) 1,3-Dichloropropane	10.719	76	120997	21.771	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	183464	92.750	ug/l	96
59) 2-Hexanone	10.762	43	199102	110.962	ug/l	99
60) Dibromochloromethane	10.908	129	101081	23.376	ug/l	100
61) 1,2-Dibromoethane	11.012	107	70115	22.763	ug/l	97
64) Tetrachloroethene	10.646	164	138345	25.732	ug/l	95
65) Chlorobenzene	11.438	112	282915	21.784	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	100761	22.860	ug/l	98
67) Ethyl Benzene	11.518	91	460968	20.625	ug/l	99
68) m/p-Xylenes	11.627	106	370749	42.473	ug/l	98
69) o-Xylene	11.950	106	170174	20.815	ug/l	97
70) Styrene	11.969	104	286170	21.404	ug/l	97
71) Bromoform	12.127	173	59684	23.168	ug/l #	98
73) Isopropylbenzene	12.249	105	446308	20.331	ug/l	99
74) N-amyl acetate	12.066	43	82131	17.643	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	74853	19.971	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	51530m	17.167	ug/l	
77) Bromobenzene	12.530	156	113793	21.729	ug/l	94
78) n-propylbenzene	12.591	91	534691	20.459	ug/l	99
79) 2-Chlorotoluene	12.676	91	304262	20.319	ug/l	97
80) 1,3,5-Trimethylbenzene	12.731	105	364679	20.556	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	24079	19.418	ug/l	97
82) 4-Chlorotoluene	12.773	91	316819	20.395	ug/l	97
83) tert-Butylbenzene	12.993	119	330385	20.619	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	365768	20.711	ug/l	98
85) sec-Butylbenzene	13.170	105	486403	20.665	ug/l	99
86) p-Isopropyltoluene	13.286	119	401104	20.530	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	225811	21.865	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	225144	21.977	ug/l	99
89) n-Butylbenzene	13.615	91	357364	19.915	ug/l	98
90) Hexachloroethane	13.877	117	87630	21.910	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	200140	22.097	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	12255	21.000	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	113451	21.182	ug/l	97
94) Hexachlorobutadiene	15.017	225	72751	23.115	ug/l	99
95) Naphthalene	15.139	128	182836	20.019	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	99361	21.529	ug/l	99

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

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