

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070125\
 Data File : VY022901.D
 Acq On : 01 Jul 2025 16:27
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/02/2025
 Supervised By :Semsettin Yesilyurt 07/02/2025

Quant Time: Jul 02 02:48:44 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	410853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	670879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	593115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.341	152	290320	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	228732	49.881	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.760%		
35) Dibromofluoromethane	7.628	113	209541	51.359	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.720%		
50) Toluene-d8	10.103	98	831043	51.331	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.660%		
62) 4-Bromofluorobenzene	12.402	95	264412	50.804	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	156920	44.665	ug/l	99
3) Chloromethane	2.068	50	301561	44.951	ug/l	97
4) Vinyl Chloride	2.202	62	389355	46.455	ug/l	100
5) Bromomethane	2.592	94	292177	44.343	ug/l	96
6) Chloroethane	2.733	64	271399	48.173	ug/l	95
7) Trichlorofluoromethane	3.050	101	422843	45.563	ug/l	99
8) Diethyl Ether	3.452	74	114356	49.891	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	210348	49.597	ug/l	98
10) Methyl Iodide	4.001	142	240568	52.098	ug/l	99
11) Tert butyl alcohol	4.860	59	68150	223.512	ug/l	97
12) 1,1-Dichloroethene	3.787	96	205625	49.445	ug/l	95
13) Acrolein	3.647	56	52093	125.995	ug/l	99
14) Allyl chloride	4.379	41	328147	51.301	ug/l	93
15) Acrylonitrile	5.055	53	240404	251.379	ug/l	99
16) Acetone	3.867	43	233836	269.800	ug/l	97
17) Carbon Disulfide	4.104	76	647260	48.179	ug/l	100
18) Methyl Acetate	4.385	43	122005	42.507	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	558565	49.328	ug/l	98
20) Methylene Chloride	4.610	84	259944	47.492	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	234109	49.257	ug/l	98
22) Diisopropyl ether	6.013	45	741000	52.164	ug/l	99
23) Vinyl Acetate	5.958	43	2051274	261.462	ug/l	99
24) 1,1-Dichloroethane	5.909	63	437699	51.012	ug/l	99
25) 2-Butanone	6.890	43	325444	257.999	ug/l	97
26) 2,2-Dichloropropane	6.884	77	364509	50.679	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	277457	50.238	ug/l	99
28) Bromochloromethane	7.244	49	186521	51.707	ug/l	96
29) Tetrahydrofuran	7.256	42	197496	247.950	ug/l	99
30) Chloroform	7.421	83	439221	49.700	ug/l	97
31) Cyclohexane	7.701	56	384880	48.866	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	383402	50.203	ug/l	99
36) 1,1-Dichloropropene	7.835	75	322266	52.111	ug/l	100
37) Ethyl Acetate	6.982	43	138105	51.752	ug/l	99
38) Carbon Tetrachloride	7.817	117	327818	50.239	ug/l	96
39) Methylcyclohexane	9.103	83	418404	52.281	ug/l	97
40) Benzene	8.079	78	983195	51.710	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.214	41	78574	47.828	ug/l	98
42) 1,2-Dichloroethane	8.159	62	267863	51.411	ug/l	98
43) Isopropyl Acetate	8.195	43	286669	51.686	ug/l	99
44) Trichloroethene	8.860	130	247567	51.860	ug/l	100
45) 1,2-Dichloropropane	9.140	63	236274	53.095	ug/l	97
46) Dibromomethane	9.225	93	127739	50.566	ug/l	97
47) Bromodichloromethane	9.420	83	337118	51.752	ug/l	99
48) Methyl methacrylate	9.219	41	139041	52.147	ug/l	96
49) 1,4-Dioxane	9.231	88	28368	950.493	ug/l	97
51) 4-Methyl-2-Pentanone	9.994	43	743998	263.968	ug/l	97
52) Toluene	10.170	92	627248	52.291	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	304704	51.988	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	354041	52.097	ug/l	97
55) 1,1,2-Trichloroethane	10.567	97	167539	51.218	ug/l	98
56) Ethyl methacrylate	10.439	69	232210	52.764	ug/l	95
57) 1,3-Dichloropropane	10.713	76	291448	51.068	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	593105	256.014	ug/l	99
59) 2-Hexanone	10.756	43	500382	261.127	ug/l	98
60) Dibromochloromethane	10.908	129	217060	51.373	ug/l	98
61) 1,2-Dibromoethane	11.012	107	154490	50.470	ug/l	96
64) Tetrachloroethene	10.646	164	293485	52.379	ug/l	99
65) Chlorobenzene	11.438	112	658269	50.509	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.512	131	224076	50.763	ug/l	99
67) Ethyl Benzene	11.518	91	1198603	52.345	ug/l	98
68) m/p-Xylenes	11.627	106	932712	105.372	ug/l	99
69) o-Xylene	11.951	106	436289	52.310	ug/l	100
70) Styrene	11.963	104	729104	52.188	ug/l	99
71) Bromoform	12.127	173	118808	48.337	ug/l #	99
73) Isopropylbenzene	12.249	105	1126475	52.465	ug/l	99
74) N-amyl acetate	12.066	43	255898	53.097	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	166118	48.005	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	146834m	49.540	ug/l	
77) Bromobenzene	12.530	156	242346	49.796	ug/l	98
78) n-propylbenzene	12.591	91	1381802	53.304	ug/l	99
79) 2-Chlorotoluene	12.676	91	760527	51.926	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	914669	52.771	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	56520	48.177	ug/l	97
82) 4-Chlorotoluene	12.774	91	795782	51.727	ug/l	100
83) tert-Butylbenzene	12.993	119	809016	52.925	ug/l	98
84) 1,2,4-Trimethylbenzene	13.036	105	912803	52.601	ug/l	100
85) sec-Butylbenzene	13.170	105	1232105	53.571	ug/l	100
86) p-Isopropyltoluene	13.286	119	1015992	53.084	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	503571	51.520	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	487693	50.231	ug/l	100
89) n-Butylbenzene	13.615	91	960431	53.347	ug/l	99
90) Hexachloroethane	13.877	117	196736	51.609	ug/l	96
91) 1,2-Dichlorobenzene	13.658	146	429981	49.919	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	26565	45.269	ug/l	97
93) 1,2,4-Trichlorobenzene	14.913	180	224445	46.151	ug/l	97
94) Hexachlorobutadiene	15.017	225	127570	46.388	ug/l	98
95) Naphthalene	15.139	128	396326	45.065	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	187451	44.605	ug/l	99

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

