

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
 Data File : VY022636.D
 Acq On : 09 Jun 2025 17:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/10/2025
 Supervised By :Semsettin Yesilyurt 06/10/2025

Quant Time: Jun 10 01:33:14 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	145274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	253346	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	220561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	106875	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	91370	56.234	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.460%			
35) Dibromofluoromethane	7.634	113	83083	54.943	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.880%			
50) Toluene-d8	10.103	98	336483	55.070	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.140%			
62) 4-Bromofluorobenzene	12.402	95	98542	54.129	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	59734	45.927	ug/l	98
3) Chloromethane	2.068	50	225201	58.609	ug/l	98
4) Vinyl Chloride	2.202	62	269960	60.563	ug/l	99
5) Bromomethane	2.592	94	238844	55.905	ug/l	99
6) Chloroethane	2.733	64	198676	64.937	ug/l	93
7) Trichlorofluoromethane	3.050	101	219207	57.928	ug/l	99
8) Diethyl Ether	3.452	74	46505	54.571	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	82978	52.064	ug/l	100
10) Methyl Iodide	4.007	142	92803	53.807	ug/l	98
11) Tert butyl alcohol	4.885	59	29351	252.918	ug/l #	73
12) 1,1-Dichloroethene	3.787	96	81746	53.659	ug/l	97
13) Acrolein	3.659	56	18933	130.909	ug/l	98
14) Allyl chloride	4.391	41	125459	52.458	ug/l	99
15) Acrylonitrile	5.068	53	97613	270.458	ug/l	98
16) Acetone	3.879	43	71145	215.607	ug/l	99
17) Carbon Disulfide	4.104	76	249531	51.161	ug/l	98
18) Methyl Acetate	4.391	43	61761	63.206	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	230076	53.619	ug/l	99
20) Methylene Chloride	4.616	84	99373	53.017	ug/l	93
21) trans-1,2-Dichloroethene	5.116	96	93834	55.033	ug/l	93
22) Diisopropyl ether	6.025	45	291007	54.665	ug/l	99
23) Vinyl Acetate	5.964	43	816024	258.989	ug/l	98
24) 1,1-Dichloroethane	5.915	63	176963	56.427	ug/l	98
25) 2-Butanone	6.897	43	119441	250.942	ug/l	95
26) 2,2-Dichloropropane	6.884	77	141400	51.030	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	112501	57.085	ug/l	100
28) Bromochloromethane	7.250	49	76887	56.242	ug/l	99
29) Tetrahydrofuran	7.268	42	81490	265.451	ug/l	98
30) Chloroform	7.421	83	180028	57.956	ug/l	97
31) Cyclohexane	7.701	56	147937	47.383	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	154686	56.096	ug/l	99
36) 1,1-Dichloropropene	7.835	75	125861	51.283	ug/l	99
37) Ethyl Acetate	6.988	43	56410	51.540	ug/l	98
38) Carbon Tetrachloride	7.817	117	132523	52.636	ug/l	95
39) Methylcyclohexane	9.110	83	161694	49.026	ug/l	99
40) Benzene	8.079	78	400430	55.240	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	31965m	50.001	ug/l	
42) 1,2-Dichloroethane	8.159	62	108757	54.948	ug/l	100
43) Isopropyl Acetate	8.201	43	120482	50.970	ug/l	98
44) Trichloroethene	8.866	130	95314	53.799	ug/l	98
45) 1,2-Dichloropropane	9.140	63	95973	56.021	ug/l	100
46) Dibromomethane	9.232	93	53745	55.764	ug/l	99
47) Bromodichloromethane	9.420	83	136134	55.705	ug/l	96
48) Methyl methacrylate	9.219	41	58446	52.683	ug/l	98
49) 1,4-Dioxane	9.238	88	11027	965.746	ug/l	95
51) 4-Methyl-2-Pentanone	10.000	43	318450	270.216	ug/l	99
52) Toluene	10.170	92	252594	55.449	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	124985	54.584	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	144139	54.077	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	68286	55.564	ug/l	95
56) Ethyl methacrylate	10.439	69	94232	53.051	ug/l	99
57) 1,3-Dichloropropane	10.713	76	121130	55.610	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	224511	278.392	ug/l	100
59) 2-Hexanone	10.762	43	208070	263.991	ug/l	100
60) Dibromochloromethane	10.908	129	85832	54.957	ug/l	98
61) 1,2-Dibromoethane	11.012	107	62340	55.654	ug/l	97
64) Tetrachloroethene	10.646	164	106773	56.276	ug/l	97
65) Chlorobenzene	11.438	112	266309	54.563	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	89259	54.287	ug/l	99
67) Ethyl Benzene	11.518	91	486310	53.720	ug/l	100
68) m/p-Xylenes	11.627	106	372759	108.620	ug/l	99
69) o-Xylene	11.951	106	172578	53.637	ug/l	98
70) Styrene	11.969	104	292377	54.973	ug/l	100
71) Bromoform	12.133	173	46631	53.296	ug/l #	99
73) Isopropylbenzene	12.255	105	452653	51.588	ug/l	100
74) N-amyl acetate	12.066	43	109500	49.459	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	73303	50.901	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	64959m	53.128	ug/l	
77) Bromobenzene	12.530	156	99313	53.636	ug/l	96
78) n-propylbenzene	12.591	91	552268	51.532	ug/l	100
79) 2-Chlorotoluene	12.676	91	295842	52.084	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	356048	51.686	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	24351	48.096	ug/l	98
82) 4-Chlorotoluene	12.774	91	300746	51.326	ug/l	99
83) tert-Butylbenzene	12.993	119	322813	52.212	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	361717	52.500	ug/l	100
85) sec-Butylbenzene	13.176	105	486738	51.403	ug/l	100
86) p-Isopropyltoluene	13.292	119	403150	51.652	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	200600	53.471	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	191507	52.631	ug/l	99
89) n-Butylbenzene	13.615	91	382346	51.632	ug/l	99
90) Hexachloroethane	13.877	117	79458	52.291	ug/l	97
91) 1,2-Dichlorobenzene	13.658	146	170243	53.448	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11228	53.551	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	95113	54.751	ug/l	97
94) Hexachlorobutadiene	15.023	225	50360	52.523	ug/l	97
95) Naphthalene	15.145	128	185841	55.747	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	80952	54.375	ug/l	97

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

