

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
 Data File : VY022652.D
 Acq On : 11 Jun 2025 09:59
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/12/2025
 Supervised By :Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 05:02:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	157578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	265316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	226799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	106876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	93928	53.295	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.580%			
35) Dibromofluoromethane	7.634	113	86674	54.732	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.460%			
50) Toluene-d8	10.103	98	351227	54.889	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.780%			
62) 4-Bromofluorobenzene	12.408	95	102854	53.948	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	62968	44.633	ug/l	98
3) Chloromethane	2.068	50	216228	51.880	ug/l	98
4) Vinyl Chloride	2.202	62	270265	55.897	ug/l	99
5) Bromomethane	2.592	94	207702	44.819	ug/l	100
6) Chloroethane	2.732	64	176816	53.279	ug/l	95
7) Trichlorofluoromethane	3.049	101	223253	54.391	ug/l	98
8) Diethyl Ether	3.458	74	44893	48.566	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	85998	49.746	ug/l	99
10) Methyl Iodide	4.007	142	94198	50.351	ug/l	99
11) Tert butyl alcohol	4.872	59	29329	232.995	ug/l	100
12) 1,1-Dichloroethene	3.787	96	80437	48.677	ug/l	95
13) Acrolein	3.653	56	18057	115.103	ug/l	98
14) Allyl chloride	4.378	41	121177	46.712	ug/l	98
15) Acrylonitrile	5.061	53	96935	247.609	ug/l	100
16) Acetone	3.879	43	76054	212.487	ug/l	94
17) Carbon Disulfide	4.104	76	250870	47.420	ug/l	99
18) Methyl Acetate	4.391	43	53562	50.535	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	226943	48.760	ug/l	99
20) Methylene Chloride	4.616	84	94990	46.721	ug/l	96
21) trans-1,2-Dichloroethene	5.104	96	91576	49.515	ug/l	88
22) Diisopropyl ether	6.018	45	283820	49.152	ug/l	98
23) Vinyl Acetate	5.964	43	813591	238.054	ug/l	98
24) 1,1-Dichloroethane	5.915	63	173175	50.908	ug/l	99
25) 2-Butanone	6.896	43	122054	236.409	ug/l	99
26) 2,2-Dichloropropane	6.890	77	149781	49.833	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	107570	50.321	ug/l	98
28) Bromochloromethane	7.244	49	76022	51.267	ug/l	98
29) Tetrahydrofuran	7.268	42	79406	238.466	ug/l	99
30) Chloroform	7.421	83	175028	51.947	ug/l	96
31) Cyclohexane	7.701	56	149209	44.059	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	153283	51.247	ug/l	99
36) 1,1-Dichloropropene	7.835	75	128210	49.883	ug/l	99
37) Ethyl Acetate	6.982	43	55795m	48.679	ug/l	
38) Carbon Tetrachloride	7.817	117	135428	51.363	ug/l	99
39) Methylcyclohexane	9.109	83	164532	47.635	ug/l	97
40) Benzene	8.079	78	388821	51.219	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	32009	47.810	ug/l	99
42) 1,2-Dichloroethane	8.158	62	106146	51.210	ug/l	98
43) Isopropyl Acetate	8.201	43	117992	47.665	ug/l	100
44) Trichloroethene	8.866	130	97879	52.755	ug/l	98
45) 1,2-Dichloropropane	9.140	63	92401	51.503	ug/l	99
46) Dibromomethane	9.231	93	52912	52.423	ug/l	98
47) Bromodichloromethane	9.420	83	135175	52.817	ug/l	100
48) Methyl methacrylate	9.219	41	54646	47.036	ug/l	93
49) 1,4-Dioxane	9.237	88	11374	951.195	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	306364	248.232	ug/l	99
52) Toluene	10.170	92	247331	51.844	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	124050	51.731	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	142700	51.121	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	65190	50.652	ug/l	95
56) Ethyl methacrylate	10.438	69	92549	49.753	ug/l	98
57) 1,3-Dichloropropane	10.719	76	116284	50.976	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	231530	274.143	ug/l	99
59) 2-Hexanone	10.762	43	200444	242.841	ug/l	100
60) Dibromochloromethane	10.908	129	84902	51.909	ug/l	99
61) 1,2-Dibromoethane	11.011	107	60454	51.536	ug/l	98
64) Tetrachloroethene	10.646	164	113126	57.985	ug/l	96
65) Chlorobenzene	11.438	112	261829	52.170	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	88180	52.156	ug/l	99
67) Ethyl Benzene	11.517	91	479857	51.549	ug/l	99
68) m/p-Xylenes	11.627	106	362462	102.714	ug/l	99
69) o-Xylene	11.956	106	172493	52.136	ug/l	96
70) Styrene	11.969	104	285228	52.154	ug/l	98
71) Bromoform	12.133	173	45337	50.392	ug/l #	98
73) Isopropylbenzene	12.255	105	449360	51.212	ug/l	99
74) N-amyl acetate	12.072	43	105483	47.644	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	68065	47.263	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	52480m	42.921	ug/l	
77) Bromobenzene	12.529	156	92990	50.220	ug/l	98
78) n-propylbenzene	12.597	91	544933	50.847	ug/l	99
79) 2-Chlorotoluene	12.676	91	286949	50.518	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	351549	51.032	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	24542	48.473	ug/l	96
82) 4-Chlorotoluene	12.779	91	293231	50.043	ug/l	99
83) tert-Butylbenzene	12.999	119	314442	50.858	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	348078	50.520	ug/l	99
85) sec-Butylbenzene	13.176	105	479100	50.596	ug/l	100
86) p-Isopropyltoluene	13.292	119	400127	51.264	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	192662	51.355	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	181764	49.953	ug/l	100
89) n-Butylbenzene	13.615	91	375701	50.734	ug/l	100
90) Hexachloroethane	13.877	117	78797	51.856	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	165313	51.900	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10373	49.472	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	86435	49.755	ug/l	99
94) Hexachlorobutadiene	15.023	225	48899	50.999	ug/l	98
95) Naphthalene	15.145	128	162310	48.688	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	73426	49.319	ug/l	100

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

