

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
 Data File : VY023692.D
 Acq On : 06 Nov 2025 08:42
 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 :Amit Patel 11/07/2025
 Supervised By :Mahesh Dadoda 11/07/2025

Quant Time: Nov 07 04:11:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	535947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	779935	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	686552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	343829	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	231061	50.542	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.080%	
35) Dibromofluoromethane	7.634	113	253987	52.110	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.220%	
50) Toluene-d8	10.109	98	977701	53.849	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.700%	
62) 4-Bromofluorobenzene	12.408	95	319587	54.429	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.860%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	153719	43.694	ug/l	97
3) Chloromethane	2.074	50	236313	48.001	ug/l	99
4) Vinyl Chloride	2.208	62	303842	47.430	ug/l	99
5) Bromomethane	2.598	94	240985	44.720	ug/l	97
6) Chloroethane	2.739	64	216012	48.787	ug/l	99
7) Trichlorofluoromethane	3.062	101	429485	47.603	ug/l	99
8) Diethyl Ether	3.458	74	111487	46.079	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	242221	48.727	ug/l	99
10) Methyl Iodide	4.007	142	304822	51.929	ug/l	99
11) Tert butyl alcohol	4.860	59	63352	214.909	ug/l	100
12) 1,1-Dichloroethene	3.793	96	233341	48.730	ug/l	99
13) Acrolein	3.653	56	72090	190.265	ug/l	99
14) Allyl chloride	4.391	41	298881	51.279	ug/l	99
15) Acrylonitrile	5.061	53	227513	246.060	ug/l	99
16) Acetone	3.866	43	297849	262.102	ug/l	95
17) Carbon Disulfide	4.110	76	734844	50.000	ug/l	99
18) Methyl Acetate	4.385	43	118452	47.257	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	541443	48.763	ug/l	99
20) Methylene Chloride	4.616	84	264205	48.161	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	274819	50.901	ug/l	99
22) Diisopropyl ether	6.025	45	684904	52.737	ug/l	99
23) Vinyl Acetate	5.964	43	1800742	259.826	ug/l	99
24) 1,1-Dichloroethane	5.921	63	436899	50.497	ug/l	100
25) 2-Butanone	6.896	43	321194	244.465	ug/l	99
26) 2,2-Dichloropropane	6.884	77	408917	51.381	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	310205	50.307	ug/l	98
28) Bromochloromethane	7.250	49	168937	50.995	ug/l	97
29) Tetrahydrofuran	7.262	42	171724	245.417	ug/l	97
30) Chloroform	7.427	83	490108	50.771	ug/l	100
31) Cyclohexane	7.707	56	368358	48.888	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	432084	50.080	ug/l	99
36) 1,1-Dichloropropene	7.841	75	339044	52.056	ug/l	98
37) Ethyl Acetate	6.988	43	128432	50.938	ug/l	97
38) Carbon Tetrachloride	7.823	117	396586	51.680	ug/l	99
39) Methylcyclohexane	9.109	83	430837	51.771	ug/l	96
40) Benzene	8.085	78	1071461	52.191	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	66920m	48.625	ug/l	
42) 1,2-Dichloroethane	8.158	62	261084	50.268	ug/l	99
43) Isopropyl Acetate	8.201	43	229436	48.431	ug/l	98
44) Trichloroethene	8.866	130	295321	50.084	ug/l	99
45) 1,2-Dichloropropane	9.140	63	233932	51.631	ug/l	99
46) Dibromomethane	9.231	93	141674	50.465	ug/l	97
47) Bromodichloromethane	9.426	83	366848	51.829	ug/l	99
48) Methyl methacrylate	9.225	41	112802	50.398	ug/l	99
49) 1,4-Dioxane	9.225	88	29230	1017.395	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	630843	250.399	ug/l	99
52) Toluene	10.170	92	698091	53.262	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	308969	51.590	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	373395	52.038	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	190645	50.815	ug/l	95
56) Ethyl methacrylate	10.438	69	210565	50.939	ug/l	99
57) 1,3-Dichloropropane	10.719	76	304445	51.160	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	490497	258.588	ug/l	98
59) 2-Hexanone	10.762	43	469572	255.473	ug/l	99
60) Dibromochloromethane	10.914	129	258963	50.236	ug/l	99
61) 1,2-Dibromoethane	11.018	107	176512	50.132	ug/l	99
64) Tetrachloroethene	10.652	164	356458	49.883	ug/l	98
65) Chlorobenzene	11.444	112	760981	50.915	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	269685	51.027	ug/l	99
67) Ethyl Benzene	11.518	91	1301401	53.799	ug/l	97
68) m/p-Xylenes	11.627	106	1046555	108.286	ug/l	100
69) o-Xylene	11.957	106	474104	53.067	ug/l	97
70) Styrene	11.969	104	797122	54.077	ug/l	99
71) Bromoform	12.133	173	152278	49.333	ug/l	100
73) Isopropylbenzene	12.255	105	1247196	54.235	ug/l	100
74) N-amyl acetate	12.072	43	193086	49.594	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	180988	49.279	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	142693m	51.280	ug/l	
77) Bromobenzene	12.536	156	306426	51.371	ug/l	97
78) n-propylbenzene	12.597	91	1475672	54.555	ug/l	100
79) 2-Chlorotoluene	12.682	91	844237	53.786	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1033388	55.309	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	61422	49.884	ug/l	97
82) 4-Chlorotoluene	12.780	91	868577	53.657	ug/l	100
83) tert-Butylbenzene	12.999	119	913367	53.674	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1021769	55.213	ug/l	100
85) sec-Butylbenzene	13.176	105	1328351	54.121	ug/l	100
86) p-Isopropyltoluene	13.292	119	1133654	54.561	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	598647	50.991	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	582564	50.514	ug/l	100
89) n-Butylbenzene	13.615	91	997124	55.188	ug/l	99
90) Hexachloroethane	13.877	117	229647	51.431	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	513536	50.757	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	26567	46.980	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	290360	50.173	ug/l	99
94) Hexachlorobutadiene	15.023	225	193773	51.103	ug/l	99
95) Naphthalene	15.145	128	424304	42.786	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	238992	49.428	ug/l	99

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

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