

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
 Data File : VY023407.D
 Acq On : 09 Oct 2025 08:47
 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 10/10/2025
 Supervised By :Semsettin Yesilyurt 10/10/2025

Quant Time: Oct 10 04:19:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	540041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	774126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	696341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	360790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	223226	49.431	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.860%		
35) Dibromofluoromethane	7.634	113	245021	51.511	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.020%		
50) Toluene-d8	10.109	98	929940	52.497	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	105.000%		
62) 4-Bromofluorobenzene	12.408	95	296545	50.706	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.420%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	175562	45.165	ug/l	98
3) Chloromethane	2.074	50	246897	46.626	ug/l	98
4) Vinyl Chloride	2.208	62	325565	47.203	ug/l	100
5) Bromomethane	2.599	94	262495	45.352	ug/l	99
6) Chloroethane	2.739	64	231682	49.279	ug/l	100
7) Trichlorofluoromethane	3.062	101	453600	47.366	ug/l	99
8) Diethyl Ether	3.458	74	119924	47.924	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	250343	50.377	ug/l	99
10) Methyl Iodide	4.007	142	302659	54.708	ug/l	100
11) Tert butyl alcohol	4.860	59	72062	214.498	ug/l	98
12) 1,1-Dichloroethene	3.793	96	237323	49.265	ug/l	93
13) Acrolein	3.653	56	93981	197.974	ug/l	97
14) Allyl chloride	4.385	41	289487	49.309	ug/l	99
15) Acrylonitrile	5.061	53	235123	245.521	ug/l	99
16) Acetone	3.873	43	292955	272.492	ug/l	99
17) Carbon Disulfide	4.110	76	691816	50.177	ug/l	99
18) Methyl Acetate	4.385	43	139750	49.553	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	572075	49.411	ug/l	96
20) Methylene Chloride	4.616	84	268581	46.200	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	270715	51.043	ug/l	99
22) Diisopropyl ether	6.025	45	661171	50.913	ug/l	100
23) Vinyl Acetate	5.964	43	1772777	252.202	ug/l	99
24) 1,1-Dichloroethane	5.921	63	433528	50.397	ug/l	98
25) 2-Butanone	6.897	43	327067	249.190	ug/l	95
26) 2,2-Dichloropropane	6.890	77	402884	51.041	ug/l	100
27) cis-1,2-Dichloroethene	6.897	96	312842	51.065	ug/l	98
28) Bromochloromethane	7.250	49	148933	46.377	ug/l	98
29) Tetrahydrofuran	7.268	42	181368	243.679	ug/l	100
30) Chloroform	7.427	83	482665	51.069	ug/l	99
31) Cyclohexane	7.707	56	353221	47.019	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	433016	50.415	ug/l	100
36) 1,1-Dichloropropene	7.841	75	330135	52.425	ug/l	100
37) Ethyl Acetate	6.988	43	127592	51.143	ug/l	98
38) Carbon Tetrachloride	7.823	117	399630	52.336	ug/l	98
39) Methylcyclohexane	9.110	83	423860	51.695	ug/l	99
40) Benzene	8.085	78	1038659	52.081	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	70514	52.260	ug/l	92
42) 1,2-Dichloroethane	8.158	62	263484	51.228	ug/l	100
43) Isopropyl Acetate	8.201	43	246006	49.451	ug/l #	87
44) Trichloroethene	8.866	130	299026	51.229	ug/l	99
45) 1,2-Dichloropropane	9.146	63	229106	52.011	ug/l	99
46) Dibromomethane	9.231	93	148392	53.275	ug/l	97
47) Bromodichloromethane	9.427	83	367798	52.430	ug/l	99
48) Methyl methacrylate	9.225	41	117590	50.315	ug/l	99
49) 1,4-Dioxane	9.231	88	29182	903.627	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	673260	261.942	ug/l	99
52) Toluene	10.170	92	691962	53.439	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	318047	52.141	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	376659	52.320	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	197777	52.802	ug/l	95
56) Ethyl methacrylate	10.439	69	230201	53.280	ug/l	98
57) 1,3-Dichloropropane	10.719	76	312218	52.603	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	510862	263.940	ug/l	100
59) 2-Hexanone	10.762	43	486294	264.747	ug/l	99
60) Dibromochloromethane	10.914	129	275135	52.392	ug/l	100
61) 1,2-Dibromoethane	11.018	107	186575	52.230	ug/l	99
64) Tetrachloroethene	10.646	164	372099	51.752	ug/l	98
65) Chlorobenzene	11.444	112	768208	50.723	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	275973	51.134	ug/l	99
67) Ethyl Benzene	11.518	91	1278315	52.144	ug/l	100
68) m/p-Xylenes	11.627	106	1037707	105.533	ug/l	100
69) o-Xylene	11.957	106	479717	52.013	ug/l	99
70) Styrene	11.969	104	801488	52.844	ug/l	99
71) Bromoform	12.133	173	168928	50.460	ug/l #	98
73) Isopropylbenzene	12.255	105	1245422	52.380	ug/l	100
74) N-amyl acetate	12.072	43	213212	49.925	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	193812	49.838	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	150310m	47.221	ug/l	
77) Bromobenzene	12.530	156	317747	50.268	ug/l	98
78) n-propylbenzene	12.597	91	1458866	53.022	ug/l	100
79) 2-Chlorotoluene	12.682	91	832200	51.650	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1020091	53.093	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	64795	49.916	ug/l	98
82) 4-Chlorotoluene	12.780	91	861031	51.889	ug/l	100
83) tert-Butylbenzene	12.999	119	923731	52.071	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1014495	52.908	ug/l	99
85) sec-Butylbenzene	13.176	105	1347428	52.950	ug/l	99
86) p-Isopropyltoluene	13.292	119	1150927	53.120	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	617114	50.135	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	603476	49.641	ug/l	99
89) n-Butylbenzene	13.615	91	991424	52.515	ug/l	99
90) Hexachloroethane	13.877	117	233963	50.206	ug/l	97
91) 1,2-Dichlorobenzene	13.658	146	545563	50.554	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	30632	48.006	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	316225	47.003	ug/l	99
94) Hexachlorobutadiene	15.023	225	199957	47.679	ug/l	98
95) Naphthalene	15.145	128	499422	46.618	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	272296	46.727	ug/l	99

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

