

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110525\
 Data File : VY023690.D
 Acq On : 05 Nov 2025 15:26
 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 :Amit Patel 11/06/2025
 Supervised By :Mahesh Dadoda 11/06/2025

Quant Time: Nov 06 03:31:25 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	513292	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	795326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	723833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	369586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	232991	53.213	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.420%			
35) Dibromofluoromethane	7.634	113	252577	50.818	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.640%			
50) Toluene-d8	10.109	98	953929	51.523	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.040%			
62) 4-Bromofluorobenzene	12.402	95	321631	53.718	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	129785	38.519	ug/l	99
3) Chloromethane	2.074	50	223925	47.492	ug/l	98
4) Vinyl Chloride	2.208	62	276293	45.033	ug/l	99
5) Bromomethane	2.598	94	236833	45.890	ug/l	98
6) Chloroethane	2.739	64	206529	48.704	ug/l	100
7) Trichlorofluoromethane	3.062	101	370649	42.895	ug/l	99
8) Diethyl Ether	3.458	74	120025	51.797	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	205562	43.178	ug/l	100
10) Methyl Iodide	4.007	142	302885	53.877	ug/l	99
11) Tert butyl alcohol	4.848	59	79188	280.486	ug/l	97
12) 1,1-Dichloroethene	3.793	96	217574	47.442	ug/l	99
13) Acrolein	3.653	56	78206	215.517	ug/l	100
14) Allyl chloride	4.385	41	297281	53.256	ug/l	98
15) Acrylonitrile	5.061	53	244719	276.350	ug/l	99
16) Acetone	3.866	43	282204	259.296	ug/l	99
17) Carbon Disulfide	4.110	76	687920	48.873	ug/l	99
18) Methyl Acetate	4.385	43	134175	55.893	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	579796	54.522	ug/l	99
20) Methylene Chloride	4.622	84	266743	50.770	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	265683	51.380	ug/l	99
22) Diisopropyl ether	6.025	45	697140	56.048	ug/l	99
23) Vinyl Acetate	5.964	43	1890371	284.797	ug/l	99
24) 1,1-Dichloroethane	5.915	63	431387	52.061	ug/l	100
25) 2-Butanone	6.896	43	334333	265.696	ug/l	100
26) 2,2-Dichloropropane	6.884	77	386458	50.702	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	313614	53.104	ug/l	100
28) Bromochloromethane	7.250	49	172506	54.371	ug/l	97
29) Tetrahydrofuran	7.262	42	190527	284.307	ug/l	98
30) Chloroform	7.421	83	483189	52.263	ug/l	99
31) Cyclohexane	7.701	56	322342	44.669	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	407603	49.328	ug/l	100
36) 1,1-Dichloropropene	7.841	75	315916	47.566	ug/l	99
37) Ethyl Acetate	6.988	43	137542	53.496	ug/l	99
38) Carbon Tetrachloride	7.817	117	358251	45.781	ug/l	99
39) Methylcyclohexane	9.109	83	377012	44.427	ug/l	97
40) Benzene	8.079	78	1056298	50.457	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	67329	47.975	ug/l	94
42) 1,2-Dichloroethane	8.158	62	270477	51.068	ug/l	99
43) Isopropyl Acetate	8.201	43	255211	52.830	ug/l	99
44) Trichloroethene	8.866	130	288539	47.987	ug/l	99
45) 1,2-Dichloropropane	9.140	63	234628	50.782	ug/l	100
46) Dibromomethane	9.231	93	146123	51.043	ug/l	99
47) Bromodichloromethane	9.426	83	372691	51.636	ug/l	100
48) Methyl methacrylate	9.219	41	122904	53.849	ug/l	97
49) 1,4-Dioxane	9.225	88	31518	1075.802	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	693029	269.759	ug/l	100
52) Toluene	10.170	92	687344	51.427	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	325499	53.298	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	384357	52.529	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	198145	51.792	ug/l	97
56) Ethyl methacrylate	10.438	69	231114	54.829	ug/l	99
57) 1,3-Dichloropropane	10.719	76	318379	52.466	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	534565	276.367	ug/l	99
59) 2-Hexanone	10.762	43	496470	264.880	ug/l	100
60) Dibromochloromethane	10.908	129	270100	51.383	ug/l	100
61) 1,2-Dibromoethane	11.018	107	187614	52.254	ug/l	99
64) Tetrachloroethene	10.646	164	351629	46.672	ug/l	99
65) Chlorobenzene	11.444	112	768872	48.793	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	272907	48.977	ug/l	100
67) Ethyl Benzene	11.518	91	1281082	50.232	ug/l	98
68) m/p-Xylenes	11.627	106	1025195	100.612	ug/l	99
69) o-Xylene	11.956	106	481926	51.165	ug/l	98
70) Styrene	11.969	104	812522	52.282	ug/l	100
71) Bromoform	12.133	173	161380	49.589	ug/l #	100
73) Isopropylbenzene	12.255	105	1212261	49.042	ug/l	100
74) N-amyl acetate	12.072	43	213070	50.913	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	194436	49.251	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	145330m	48.587	ug/l	
77) Bromobenzene	12.530	156	315816	49.255	ug/l	98
78) n-propylbenzene	12.597	91	1436472	49.405	ug/l	100
79) 2-Chlorotoluene	12.676	91	845205	50.095	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1021298	50.852	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	65790	49.708	ug/l	98
82) 4-Chlorotoluene	12.773	91	863097	49.603	ug/l	100
83) tert-Butylbenzene	12.993	119	892136	48.773	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1013527	50.951	ug/l	100
85) sec-Butylbenzene	13.176	105	1265067	47.950	ug/l	100
86) p-Isopropyltoluene	13.292	119	1090894	48.844	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	602450	47.738	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	586181	47.286	ug/l	100
89) n-Butylbenzene	13.615	91	950841	48.959	ug/l	99
90) Hexachloroethane	13.877	117	226359	47.162	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	526169	48.381	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	29724	48.900	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	300123	48.246	ug/l	99
94) Hexachlorobutadiene	15.023	225	178914	43.896	ug/l	99
95) Naphthalene	15.145	128	474629	44.312	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	257367	49.519	ug/l	99

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

