

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111025\
 Data File : VY023712.D
 Acq On : 10 Nov 2025 10:58
 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 11/11/2025
 Supervised By :Mahesh Dadoda 11/11/2025

Quant Time: Nov 11 02:05:22 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	7.707	168	570679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	813902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	707956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	352356	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	228950	47.977	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.960%
35) Dibromofluoromethane	7.634	113	255675	51.124	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.240%
50) Toluene-d8	10.109	98	994827	53.415	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	106.840%
62) 4-Bromofluorobenzene	12.408	95	316513	51.475	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.960%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	163520	39.808	ug/l	100
3) Chloromethane	2.074	50	241485	43.155	ug/l	98
4) Vinyl Chloride	2.208	62	313481	43.011	ug/l	98
5) Bromomethane	2.598	94	240367	39.299	ug/l	98
6) Chloroethane	2.739	64	217658	43.811	ug/l	97
7) Trichlorofluoromethane	3.062	101	458672	45.324	ug/l	98
8) Diethyl Ether	3.458	74	112171	42.419	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	261038	49.709	ug/l	98
10) Methyl Iodide	4.007	142	306512	52.430	ug/l	99
11) Tert butyl alcohol	4.854	59	65268	183.845	ug/l	98
12) 1,1-Dichloroethene	3.793	96	244647	48.059	ug/l	92
13) Acrolein	3.653	56	56494	112.617	ug/l	99
14) Allyl chloride	4.385	41	311461	50.203	ug/l	99
15) Acrylonitrile	5.061	53	218837	216.246	ug/l	100
16) Acetone	3.866	43	242106	213.105	ug/l	97
17) Carbon Disulfide	4.110	76	761183	52.244	ug/l	100
18) Methyl Acetate	4.385	43	105000	35.233	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	534551	43.691	ug/l	100
20) Methylene Chloride	4.616	84	266723	43.417	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	280736	50.090	ug/l	92
22) Diisopropyl ether	6.019	45	698978	50.934	ug/l	97
23) Vinyl Acetate	5.964	43	1783486	240.104	ug/l	100
24) 1,1-Dichloroethane	5.915	63	456677	50.238	ug/l	97
25) 2-Butanone	6.890	43	283408	204.334	ug/l	96
26) 2,2-Dichloropropane	6.890	77	417422	50.044	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	318214	49.153	ug/l	98
28) Bromochloromethane	7.244	49	177544	52.318	ug/l	92
29) Tetrahydrofuran	7.262	42	160232	203.724	ug/l	98
30) Chloroform	7.421	83	502736	50.337	ug/l	100
31) Cyclohexane	7.701	56	400041	50.393	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	454533	50.079	ug/l	99
36) 1,1-Dichloropropene	7.835	75	353439	53.383	ug/l	98
37) Ethyl Acetate	6.982	43	120211	45.830	ug/l	98
38) Carbon Tetrachloride	7.817	117	419342	52.234	ug/l	97
39) Methylcyclohexane	9.109	83	464282	53.858	ug/l	95
40) Benzene	8.079	78	1102461	52.579	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	69008	48.644	ug/l	88
42) 1,2-Dichloroethane	8.158	62	264013	48.823	ug/l	99
43) Isopropyl Acetate	8.195	43	218913	41.855	ug/l	97
44) Trichloroethene	8.866	130	304200	49.568	ug/l	95
45) 1,2-Dichloropropane	9.140	63	241653	52.179	ug/l	99
46) Dibromomethane	9.231	93	141151	48.199	ug/l	96
47) Bromodichloromethane	9.420	83	371398	50.355	ug/l	99
48) Methyl methacrylate	9.219	41	108629	44.209	ug/l	97
49) 1,4-Dioxane	9.225	88	26603	783.509	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	588211	217.668	ug/l	98
52) Toluene	10.170	92	719409	52.843	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	306600	47.808	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	376646	49.762	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	184595	46.874	ug/l	95
56) Ethyl methacrylate	10.438	69	207447	45.667	ug/l	97
57) 1,3-Dichloropropane	10.719	76	300617	48.173	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	460038	226.065	ug/l	97
59) 2-Hexanone	10.762	43	410004	212.305	ug/l	99
60) Dibromochloromethane	10.914	129	260773	47.231	ug/l	100
61) 1,2-Dibromoethane	11.018	107	172160	45.839	ug/l	99
64) Tetrachloroethene	10.646	164	377209	51.602	ug/l	97
65) Chlorobenzene	11.444	112	777261	50.479	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	271735	49.523	ug/l	99
67) Ethyl Benzene	11.518	91	1337480	53.662	ug/l	100
68) m/p-Xylenes	11.627	106	1068845	106.916	ug/l	97
69) o-Xylene	11.956	106	484934	51.716	ug/l	98
70) Styrene	11.969	104	806496	52.302	ug/l	99
71) Bromoform	12.133	173	148639	43.671	ug/l #	99
73) Isopropylbenzene	12.255	105	1285650	55.367	ug/l	99
74) N-amyl acetate	12.072	43	183487	43.993	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	170015	44.766	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	138864m	44.669	ug/l	
77) Bromobenzene	12.530	156	306991	49.729	ug/l	95
78) n-propylbenzene	12.597	91	1516835	56.448	ug/l	98
79) 2-Chlorotoluene	12.682	91	861980	54.779	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	1047849	55.843	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	59132	46.644	ug/l	98
82) 4-Chlorotoluene	12.779	91	886403	54.697	ug/l	98
83) tert-Butylbenzene	12.999	119	932122	53.802	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	1033520	55.191	ug/l	98
85) sec-Butylbenzene	13.176	105	1372736	55.235	ug/l	99
86) p-Isopropyltoluene	13.292	119	1150579	54.375	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	606353	50.440	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	580223	48.870	ug/l	99
89) n-Butylbenzene	13.615	91	1004396	54.476	ug/l	98
90) Hexachloroethane	13.883	117	237073	52.091	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	514119	48.781	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	24991	40.103	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	283404	43.133	ug/l	99
94) Hexachlorobutadiene	15.023	225	191091	46.656	ug/l	99
95) Naphthalene	15.145	128	399161	38.151	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	236184	41.500	ug/l	99

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

