

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103025\
 Data File : VY023620.D
 Acq On : 30 Oct 2025 09:09
 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 10/31/2025
 Supervised By :Mahesh Dadoda 10/31/2025

Quant Time: Oct 31 02:33:10 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	476273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	677359	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	596160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	319486	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	194738	48.896	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.800%		
35) Dibromofluoromethane	7.640	113	216331	51.977	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.960%		
50) Toluene-d8	10.109	98	799605	51.588	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	103.180%		
62) 4-Bromofluorobenzene	12.408	95	268776	52.523	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	105.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	144546	42.164	ug/l	98
3) Chloromethane	2.074	50	207622	44.458	ug/l	99
4) Vinyl Chloride	2.208	62	279830	46.004	ug/l	100
5) Bromomethane	2.598	94	225818	44.239	ug/l	97
6) Chloroethane	2.739	64	204162	49.240	ug/l	98
7) Trichlorofluoromethane	3.062	101	412785	48.875	ug/l	99
8) Diethyl Ether	3.458	74	111000	50.297	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	237102	54.100	ug/l	98
10) Methyl Iodide	4.007	142	277197	56.814	ug/l	99
11) Tert butyl alcohol	4.860	59	76519	258.259	ug/l	100
12) 1,1-Dichloroethene	3.793	96	214522	50.494	ug/l	96
13) Acrolein	3.659	56	19962	47.681	ug/l	97
14) Allyl chloride	4.385	41	276363	53.376	ug/l	99
15) Acrylonitrile	5.061	53	223914	265.122	ug/l	100
16) Acetone	3.866	43	272045	286.923	ug/l	100
17) Carbon Disulfide	4.110	76	569832	46.863	ug/l	99
18) Methyl Acetate	4.385	43	159416	64.095	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	543386	53.216	ug/l	100
20) Methylene Chloride	4.616	84	250423	48.844	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	249092	53.254	ug/l	97
22) Diisopropyl ether	6.025	45	652087	56.936	ug/l	97
23) Vinyl Acetate	5.964	43	1619023	261.167	ug/l	99
24) 1,1-Dichloroethane	5.921	63	418905	55.217	ug/l	99
25) 2-Butanone	6.896	43	308109	266.176	ug/l	98
26) 2,2-Dichloropropane	6.890	77	392162	56.335	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	297957	55.147	ug/l	98
28) Bromochloromethane	7.250	49	137996	48.725	ug/l	94
29) Tetrahydrofuran	7.262	42	168150	256.168	ug/l	100
30) Chloroform	7.421	83	469571	56.336	ug/l	98
31) Cyclohexane	7.707	56	324303	48.950	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	416488	54.984	ug/l	99
36) 1,1-Dichloropropene	7.835	75	308877	56.056	ug/l	98
37) Ethyl Acetate	6.988	43	112515	51.542	ug/l	99
38) Carbon Tetrachloride	7.823	117	375303	56.172	ug/l	98
39) Methylcyclohexane	9.109	83	378393	52.743	ug/l	95
40) Benzene	8.085	78	986871	56.554	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	56389	47.762	ug/l	92
42) 1,2-Dichloroethane	8.158	62	252557	56.119	ug/l	100
43) Isopropyl Acetate	8.201	43	227810	52.336	ug/l	98
44) Trichloroethene	8.872	130	278050	54.440	ug/l	99
45) 1,2-Dichloropropane	9.146	63	224668	58.290	ug/l	99
46) Dibromomethane	9.231	93	136398	55.965	ug/l	98
47) Bromodichloromethane	9.426	83	355124	57.855	ug/l	97
48) Methyl methacrylate	9.225	41	111390	54.471	ug/l	97
49) 1,4-Dioxane	9.231	88	27653	978.609	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	640982	285.011	ug/l	99
52) Toluene	10.170	92	650543	57.417	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	301599	56.509	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	360617	57.248	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	187378	57.173	ug/l	95
56) Ethyl methacrylate	10.438	69	216514	57.271	ug/l	98
57) 1,3-Dichloropropane	10.719	76	297993	57.379	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	461417	272.450	ug/l	99
59) 2-Hexanone	10.762	43	458343	285.178	ug/l	98
60) Dibromochloromethane	10.914	129	262340	57.093	ug/l	100
61) 1,2-Dibromoethane	11.018	107	174366	55.785	ug/l	100
64) Tetrachloroethene	10.652	164	343582	55.816	ug/l	98
65) Chlorobenzene	11.444	112	734181	56.623	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	265987	57.566	ug/l	99
67) Ethyl Benzene	11.517	91	1235582	58.870	ug/l	100
68) m/p-Xylenes	11.627	106	991978	117.835	ug/l	98
69) o-Xylene	11.956	106	461292	58.420	ug/l	98
70) Styrene	11.969	104	780192	60.085	ug/l	100
71) Bromoform	12.133	173	158369	55.256	ug/l #	99
73) Isopropylbenzene	12.255	105	1215315	57.722	ug/l	99
74) N-amyl acetate	12.072	43	196138	51.865	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	187426	54.427	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	147495m	52.327	ug/l	
77) Bromobenzene	12.536	156	303647	54.248	ug/l	96
78) n-propylbenzene	12.597	91	1433132	58.821	ug/l	99
79) 2-Chlorotoluene	12.682	91	818527	57.369	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	1005252	59.085	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	61166	53.212	ug/l	98
82) 4-Chlorotoluene	12.779	91	851937	57.978	ug/l	99
83) tert-Butylbenzene	12.999	119	907974	57.800	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	989725	58.289	ug/l	99
85) sec-Butylbenzene	13.176	105	1318625	58.517	ug/l	99
86) p-Isopropyltoluene	13.292	119	1126025	58.690	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	601083	55.146	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	588374	54.656	ug/l	100
89) n-Butylbenzene	13.615	91	982880	58.794	ug/l	98
90) Hexachloroethane	13.877	117	231387	56.073	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	521851	54.609	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	28854	51.066	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	307425	51.603	ug/l	99
94) Hexachlorobutadiene	15.023	225	197947	53.302	ug/l	99
95) Naphthalene	15.145	128	474724	50.041	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	261118	50.602	ug/l	99

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

