

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023559.D
 Acq On : 24 Oct 2025 08:56
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/27/2025
 Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 23:45:30 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	558901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	809883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	712621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	380279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	208884	44.694	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.380%		
35) Dibromofluoromethane	7.634	113	246096	49.453	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.900%		
50) Toluene-d8	10.109	98	902938	48.722	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.440%		
62) 4-Bromofluorobenzene	12.407	95	304706	49.801	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.866	85	165459	41.129	ug/l	96
3) Chloromethane	2.074	50	219496	40.052	ug/l	99
4) Vinyl Chloride	2.208	62	301831	42.285	ug/l	100
5) Bromomethane	2.598	94	272400	45.475	ug/l	99
6) Chloroethane	2.738	64	217301	44.661	ug/l	99
7) Trichlorofluoromethane	3.061	101	471600	47.584	ug/l	100
8) Diethyl Ether	3.458	74	133898	51.703	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.817	101	263863	51.306	ug/l	98
10) Methyl Iodide	4.006	142	326535	57.032	ug/l	97
11) Tert butyl alcohol	4.854	59	102526	294.878	ug/l	97
12) 1,1-Dichloroethene	3.793	96	251789	50.504	ug/l	100
13) Acrolein	3.653	56	33834	68.867	ug/l	99
14) Allyl chloride	4.384	41	289064	47.575	ug/l	97
15) Acrylonitrile	5.061	53	256147	258.449	ug/l	99
16) Acetone	3.866	43	282132	253.570	ug/l	96
17) Carbon Disulfide	4.110	76	647806	45.399	ug/l	100
18) Methyl Acetate	4.384	43	156234	53.529	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	663717	55.391	ug/l	94
20) Methylene Chloride	4.616	84	282698	46.987	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	285348	51.986	ug/l	99
22) Diisopropyl ether	6.018	45	690797	51.399	ug/l	96
23) Vinyl Acetate	5.963	43	1822354	250.506	ug/l	95
24) 1,1-Dichloroethane	5.921	63	454990	51.107	ug/l	99
25) 2-Butanone	6.896	43	346329	254.962	ug/l	98
26) 2,2-Dichloropropane	6.890	77	436383	53.419	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	348158	54.911	ug/l	95
28) Bromochloromethane	7.250	49	138645	41.717	ug/l	89
29) Tetrahydrofuran	7.262	42	193584	251.315	ug/l	93
30) Chloroform	7.420	83	521543	53.320	ug/l	100
31) Cyclohexane	7.707	56	360008	46.305	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	467412	52.584	ug/l	99
36) 1,1-Dichloropropene	7.835	75	345033	52.372	ug/l	99
37) Ethyl Acetate	6.981	43	131442	50.360	ug/l	96
38) Carbon Tetrachloride	7.823	117	427890	53.563	ug/l	99
39) Methylcyclohexane	9.109	83	454580	52.994	ug/l	99
40) Benzene	8.085	78	1117791	53.575	ug/l	99

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41) Methacrylonitrile	7.225	41	76239	54.008	ug/l	94
42) 1,2-Dichloroethane	8.158	62	273693	50.864	ug/l	97
43) Isopropyl Acetate	8.201	43	271189	52.107	ug/l #	85
44) Trichloroethene	8.865	130	334751	54.817	ug/l	98
45) 1,2-Dichloropropane	9.140	63	246074	53.397	ug/l	98
46) Dibromomethane	9.231	93	160236	54.988	ug/l	98
47) Bromodichloromethane	9.426	83	402796	54.883	ug/l	100
48) Methyl methacrylate	9.219	41	124097	50.755	ug/l	90
49) 1,4-Dioxane	9.231	88	38729	1146.304	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	731786	272.142	ug/l	97
52) Toluene	10.170	92	751520	55.476	ug/l	100
53) t-1,3-Dichloropropene	10.395	75	353434	55.385	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	421103	55.911	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	222722	56.837	ug/l	98
56) Ethyl methacrylate	10.438	69	271697	60.107	ug/l	93
57) 1,3-Dichloropropane	10.719	76	346039	55.727	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	547857	270.556	ug/l	97
59) 2-Hexanone	10.761	43	528461	275.001	ug/l	95
60) Dibromochloromethane	10.914	129	315067	57.348	ug/l	100
61) 1,2-Dibromoethane	11.017	107	213108	57.024	ug/l	100
64) Tetrachloroethene	10.645	164	410235	55.753	ug/l	98
65) Chlorobenzene	11.444	112	872090	56.267	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	311946	56.479	ug/l	99
67) Ethyl Benzene	11.517	91	1418642	56.546	ug/l	99
68) m/p-Xylenes	11.627	106	1162639	115.537	ug/l	98
69) o-Xylene	11.956	106	555086	58.810	ug/l	97
70) Styrene	11.968	104	915552	58.986	ug/l	99
71) Bromoform	12.133	173	198287	57.877	ug/l #	100
73) Isopropylbenzene	12.255	105	1427449	56.959	ug/l	100
74) N-amyl acetate	12.072	43	240539	53.438	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	228057	55.639	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	168230m	50.142	ug/l	
77) Bromobenzene	12.529	156	372577	55.922	ug/l	98
78) n-propylbenzene	12.596	91	1644549	56.707	ug/l	99
79) 2-Chlorotoluene	12.682	91	947547	55.795	ug/l	99
80) 1,3,5-Trimethylbenzene	12.736	105	1157792	57.172	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	77712	56.799	ug/l	95
82) 4-Chlorotoluene	12.779	91	966872	55.281	ug/l	98
83) tert-Butylbenzene	12.993	119	1094487	58.535	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	1158715	57.333	ug/l	100
85) sec-Butylbenzene	13.175	105	1549057	57.753	ug/l	100
86) p-Isopropyltoluene	13.291	119	1337700	58.577	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	720888	55.564	ug/l	100
88) 1,4-Dichlorobenzene	13.364	146	713367	55.673	ug/l	100
89) n-Butylbenzene	13.614	91	1156866	58.138	ug/l	99
90) Hexachloroethane	13.877	117	266678	54.294	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	642214	56.461	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	35210	52.353	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	405098	57.127	ug/l	99
94) Hexachlorobutadiene	15.023	225	244033	55.207	ug/l	100
95) Naphthalene	15.145	128	662767	58.694	ug/l	100
96) 1,2,3-Trichlorobenzene	15.327	180	346789	56.460	ug/l	99

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

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