

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
 Data File : VY023784.D
 Acq On : 13 Nov 2025 14:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025

Quant Time: Nov 14 04:26:57 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	7.707	168	564063	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	848040	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	755373	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	439598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	238518	49.572	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.140%		
35) Dibromofluoromethane	7.634	113	259472	48.960	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.920%		
50) Toluene-d8	10.103	98	988590	50.076	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.160%		
62) 4-Bromofluorobenzene	12.402	95	337476	52.860	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	105.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	155779	42.072	ug/l	98
3) Chloromethane	2.074	50	235641	45.478	ug/l	100
4) Vinyl Chloride	2.208	62	298114	44.216	ug/l	98
5) Bromomethane	2.598	94	231017	40.734	ug/l	97
6) Chloroethane	2.739	64	204369	43.857	ug/l	100
7) Trichlorofluoromethane	3.062	101	436128	45.929	ug/l	98
8) Diethyl Ether	3.458	74	129183	50.732	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	262264	50.130	ug/l	99
10) Methyl Iodide	4.007	142	291079	47.116	ug/l	99
11) Tert butyl alcohol	4.860	59	87008	280.445	ug/l	99
12) 1,1-Dichloroethene	3.793	96	247785	49.167	ug/l	100
13) Acrolein	3.653	56	51369	128.819	ug/l	99
14) Allyl chloride	4.385	41	326284	53.191	ug/l	95
15) Acrylonitrile	5.061	53	267562	274.950	ug/l	99
16) Acetone	3.866	43	288837	241.503	ug/l	99
17) Carbon Disulfide	4.110	76	745068	48.168	ug/l	100
18) Methyl Acetate	4.391	43	132997	50.415	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	637006	54.510	ug/l	99
20) Methylene Chloride	4.616	84	289491	50.140	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	285693	50.277	ug/l	95
22) Diisopropyl ether	6.019	45	753748	55.145	ug/l	97
23) Vinyl Acetate	5.958	43	2055147	281.753	ug/l	99
24) 1,1-Dichloroethane	5.915	63	473038	51.949	ug/l	100
25) 2-Butanone	6.896	43	361374	261.336	ug/l	98
26) 2,2-Dichloropropane	6.884	77	431073	51.465	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	336126	51.793	ug/l	98
28) Bromochloromethane	7.244	49	181412	52.031	ug/l	94
29) Tetrahydrofuran	7.262	42	209812	284.904	ug/l	97
30) Chloroform	7.421	83	517986	50.984	ug/l	100
31) Cyclohexane	7.701	56	410288	51.739	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	460178	50.678	ug/l	100
36) 1,1-Dichloropropene	7.835	75	361149	50.997	ug/l	99
37) Ethyl Acetate	6.982	43	151120	55.123	ug/l	99
38) Carbon Tetrachloride	7.817	117	417559	50.044	ug/l	99
39) Methylcyclohexane	9.109	83	476783	52.691	ug/l	97
40) Benzene	8.079	78	1133664	50.786	ug/l	100

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41) Methacrylonitrile	7.226	41	73594m	49.179	ug/l	
42) 1,2-Dichloroethane	8.158	62	285043	50.473	ug/l	99
43) Isopropyl Acetate	8.195	43	278823	54.130	ug/l	99
44) Trichloroethene	8.866	130	308410	48.103	ug/l	99
45) 1,2-Dichloropropane	9.140	63	255582	51.879	ug/l	99
46) Dibromomethane	9.231	93	154640	50.660	ug/l	98
47) Bromodichloromethane	9.420	83	394125	51.211	ug/l	100
48) Methyl methacrylate	9.219	41	135747	55.779	ug/l	97
49) 1,4-Dioxane	9.225	88	35041	1121.706	ug/l	99
51) 4-Methyl-2-Pentanone	9.993	43	765765	279.543	ug/l	100
52) Toluene	10.170	92	729366	51.179	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	343332	52.723	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	412632	52.888	ug/l	97
55) 1,1,2-Trichloroethane	10.566	97	208491	51.109	ug/l	97
56) Ethyl methacrylate	10.438	69	258091	57.422	ug/l	100
57) 1,3-Dichloropropane	10.713	76	338324	52.287	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	589190	285.673	ug/l	97
59) 2-Hexanone	10.755	43	544697	272.546	ug/l	100
60) Dibromochloromethane	10.908	129	281795	50.275	ug/l	99
61) 1,2-Dibromoethane	11.012	107	197255	51.524	ug/l	99
64) Tetrachloroethene	10.646	164	362147	46.061	ug/l	98
65) Chlorobenzene	11.438	112	799270	48.604	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	289215	49.737	ug/l	99
67) Ethyl Benzene	11.518	91	1376972	51.737	ug/l	98
68) m/p-Xylenes	11.627	106	1084717	102.009	ug/l	97
69) o-Xylene	11.950	106	504759	51.351	ug/l	96
70) Styrene	11.969	104	851104	52.478	ug/l	99
71) Bromoform	12.127	173	172290	50.731	ug/l	100
73) Isopropylbenzene	12.249	105	1331220	45.278	ug/l	100
74) N-amyl acetate	12.066	43	242381	48.693	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	218779	46.591	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	181236m	50.942	ug/l	
77) Bromobenzene	12.530	156	325459	42.675	ug/l	94
78) n-propylbenzene	12.591	91	1579324	45.667	ug/l	99
79) 2-Chlorotoluene	12.676	91	909228	45.307	ug/l	99
80) 1,3,5-Trimethylbenzene	12.731	105	1097468	45.942	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	70950	45.069	ug/l	99
82) 4-Chlorotoluene	12.773	91	927086	44.795	ug/l	98
83) tert-Butylbenzene	12.993	119	1100628	50.588	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	1171920	49.531	ug/l	99
85) sec-Butylbenzene	13.170	105	1575251	50.198	ug/l	100
86) p-Isopropyltoluene	13.292	119	1350297	50.830	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	708955	47.231	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	697602	47.312	ug/l	99
89) n-Butylbenzene	13.615	91	1212616	52.494	ug/l	98
90) Hexachloroethane	13.877	117	278941	48.861	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	643270	49.728	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	35292	48.813	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	378632	51.172	ug/l	99
94) Hexachlorobutadiene	15.017	225	246698	50.887	ug/l	100
95) Naphthalene	15.139	128	602961	46.969	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	321686	52.036	ug/l	99

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

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