

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
 Data File : VY023750.D
 Acq On : 11 Nov 2025 19:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025

Quant Time: Nov 12 03:41:26 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	503093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	757182	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	682585	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	357006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	211153	50.192	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.380%			
35) Dibromofluoromethane	7.640	113	239632	51.506	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.020%			
50) Toluene-d8	10.109	98	906752	52.333	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.660%			
62) 4-Bromofluorobenzene	12.402	95	308729	53.971	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.940%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	132320	36.540	ug/l	95
3) Chloromethane	2.074	50	204918	41.540	ug/l	100
4) Vinyl Chloride	2.208	62	268577	41.800	ug/l	100
5) Bromomethane	2.598	94	238650	44.260	ug/l	99
6) Chloroethane	2.739	64	196990	44.977	ug/l	98
7) Trichlorofluoromethane	3.062	101	385996	43.267	ug/l	98
8) Diethyl Ether	3.458	74	117312	50.323	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	216288	46.720	ug/l	100
10) Methyl Iodide	4.013	142	287814	55.846	ug/l	99
11) Tert butyl alcohol	4.854	59	73265	234.095	ug/l	99
12) 1,1-Dichloroethene	3.793	96	219756	48.968	ug/l	99
13) Acrolein	3.659	56	50748	114.753	ug/l	98
14) Allyl chloride	4.391	41	263406	48.161	ug/l	99
15) Acrylonitrile	5.061	53	230188	258.021	ug/l	99
16) Acetone	3.866	43	209394	209.072	ug/l	97
17) Carbon Disulfide	4.110	76	636663	49.568	ug/l	100
18) Methyl Acetate	4.385	43	108266	41.209	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	567586	52.623	ug/l	97
20) Methylene Chloride	4.616	84	247954	45.784	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	250849	50.770	ug/l	99
22) Diisopropyl ether	6.019	45	616211	50.936	ug/l	98
23) Vinyl Acetate	5.964	43	1709654	261.084	ug/l	98
24) 1,1-Dichloroethane	5.921	63	397855	49.647	ug/l	98
25) 2-Butanone	6.896	43	279097	228.259	ug/l	99
26) 2,2-Dichloropropane	6.884	77	340830	46.351	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	298971	52.384	ug/l	96
28) Bromochloromethane	7.244	49	154581	51.671	ug/l	97
29) Tetrahydrofuran	7.262	42	172416	248.664	ug/l	95
30) Chloroform	7.421	83	450912	51.213	ug/l	99
31) Cyclohexane	7.701	56	314998	45.010	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	394702	49.330	ug/l	100
36) 1,1-Dichloropropene	7.835	75	298002	48.381	ug/l	100
37) Ethyl Acetate	6.988	43	125793	51.550	ug/l	98
38) Carbon Tetrachloride	7.817	117	356637	47.751	ug/l	100
39) Methylcyclohexane	9.109	83	388365	48.426	ug/l	100
40) Benzene	8.079	78	982709	50.378	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	68079	51.584	ug/l	94
42) 1,2-Dichloroethane	8.158	62	244545	48.610	ug/l	98
43) Isopropyl Acetate	8.195	43	242743	49.887	ug/l #	86
44) Trichloroethene	8.866	130	286555	50.191	ug/l	99
45) 1,2-Dichloropropane	9.140	63	218474	50.707	ug/l	100
46) Dibromomethane	9.231	93	138585	50.868	ug/l	99
47) Bromodichloromethane	9.420	83	345503	50.354	ug/l	100
48) Methyl methacrylate	9.219	41	110343	48.271	ug/l	92
49) 1,4-Dioxane	9.225	88	30007	949.966	ug/l	99
51) 4-Methyl-2-Pentanone	10.000	43	642241	255.465	ug/l	98
52) Toluene	10.170	92	647593	51.131	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	297735	49.904	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	355365	50.467	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	189743	51.791	ug/l	96
56) Ethyl methacrylate	10.438	69	231628	54.809	ug/l	97
57) 1,3-Dichloropropane	10.719	76	299347	51.563	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	522732	276.116	ug/l	99
59) 2-Hexanone	10.762	43	438426	244.028	ug/l	98
60) Dibromochloromethane	10.914	129	264996	51.591	ug/l	99
61) 1,2-Dibromoethane	11.018	107	180406	51.633	ug/l	99
64) Tetrachloroethene	10.646	164	364859	51.768	ug/l	98
65) Chlorobenzene	11.444	112	739129	49.787	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	262833	49.681	ug/l	99
67) Ethyl Benzene	11.518	91	1214632	50.544	ug/l	98
68) m/p-Xylenes	11.627	106	977996	101.465	ug/l	100
69) o-Xylene	11.956	106	463695	51.289	ug/l	99
70) Styrene	11.969	104	768500	51.691	ug/l	100
71) Bromoform	12.133	173	163149	49.716	ug/l #	98
73) Isopropylbenzene	12.255	105	1180360	50.170	ug/l	100
74) N-amyl acetate	12.066	43	208029	49.228	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	185815	48.288	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	137673m	43.709	ug/l	
77) Bromobenzene	12.530	156	311937	49.872	ug/l	98
78) n-propylbenzene	12.591	91	1358984	49.915	ug/l	99
79) 2-Chlorotoluene	12.676	91	794701	49.845	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	958673	50.426	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	61088	47.559	ug/l	96
82) 4-Chlorotoluene	12.773	91	805112	49.033	ug/l	99
83) tert-Butylbenzene	12.993	119	874771	49.834	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	961531	50.677	ug/l	100
85) sec-Butylbenzene	13.176	105	1237648	49.151	ug/l	100
86) p-Isopropyltoluene	13.292	119	1062677	49.567	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	585673	48.085	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	576776	47.947	ug/l	100
89) n-Butylbenzene	13.615	91	905613	48.478	ug/l	99
90) Hexachloroethane	13.877	117	218809	47.452	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	518747	48.579	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	30092	47.660	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	301189	45.243	ug/l	99
94) Hexachlorobutadiene	15.023	225	180491	43.494	ug/l	98
95) Naphthalene	15.139	128	495481	46.740	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	260091	45.106	ug/l	99

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

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