

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110525\
 Data File : VY023685.D
 Acq On : 05 Nov 2025 12:15
 Operator : SY/MD
 Sample : Q3530-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT4-2025

Quant Time: Nov 06 03:29:12 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

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/06/2025
 Supervised By :Mahesh Dadoda 11/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	503044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	797580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	692270	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	336944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	239936	55.916	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.840%			
35) Dibromofluoromethane	7.640	113	252577	50.674	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.340%			
50) Toluene-d8	10.109	98	932274	50.211	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.420%			
62) 4-Bromofluorobenzene	12.408	95	292668	48.742	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.480%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	12518	3.791	ug/l	98
3) Chloromethane	2.074	50	20199	4.371	ug/l	98
4) Vinyl Chloride	2.202	62	25247	4.199	ug/l	99
5) Bromomethane	2.598	94	25360	5.014	ug/l	96
6) Chloroethane	2.739	64	17791	4.281	ug/l	98
7) Trichlorofluoromethane	3.056	101	34954	4.128	ug/l	97
8) Diethyl Ether	3.458	74	9876	4.349	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.824	101	20366	4.365	ug/l	99
10) Methyl Iodide	4.013	142	17961	3.260	ug/l	99
11) Tert butyl alcohol	4.854	59	14602	52.774	ug/l #	86
12) 1,1-Dichloroethene	3.799	96	18842	4.192	ug/l	95
13) Acrolein	3.659	56	9460	26.601	ug/l	97
14) Allyl chloride	4.385	41	24034	4.393	ug/l	95
15) Acrylonitrile	5.074	53	18932	21.815	ug/l	97
16) Acetone	3.873	43	20472	19.193	ug/l	100
17) Carbon Disulfide	4.110	76	58888	4.269	ug/l	99
18) Methyl Acetate	4.391	43	10935	4.648	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	40761	3.911	ug/l	94
20) Methylene Chloride	4.616	84	31582	6.134	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	20893	4.123	ug/l	93
22) Diisopropyl ether	6.031	45	47599	3.905	ug/l	95
23) Vinyl Acetate	5.964	43	125483	19.290	ug/l	96
24) 1,1-Dichloroethane	5.915	63	35080	4.320	ug/l	97
25) 2-Butanone	6.902	43	26780	21.716	ug/l	97
26) 2,2-Dichloropropane	6.890	77	36384	4.871	ug/l	94
27) cis-1,2-Dichloroethene	6.890	96	23949	4.138	ug/l	91
28) Bromochloromethane	7.250	49	14416	4.636	ug/l	96
29) Tetrahydrofuran	7.262	42	13355	20.334	ug/l	95
30) Chloroform	7.427	83	39922	4.406	ug/l	97
31) Cyclohexane	7.707	56	34263	4.845	ug/l #	70
32) 1,1,1-Trichloroethane	7.622	97	34656	4.280	ug/l	98
36) 1,1-Dichloropropene	7.835	75	25745	3.865	ug/l	98
37) Ethyl Acetate	6.994	43	10542	4.089	ug/l #	91
38) Carbon Tetrachloride	7.823	117	32125	4.094	ug/l	98
39) Methylcyclohexane	9.109	83	29773	3.498	ug/l	95
40) Benzene	8.079	78	85374	4.067	ug/l	98

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41) Methacrylonitrile	7.238	41	5302m	3.767	ug/l	
42) 1,2-Dichloroethane	8.158	62	22711	4.276	ug/l	97
43) Isopropyl Acetate	8.201	43	19227	3.969	ug/l #	85
44) Trichloroethene	8.866	130	24884	4.127	ug/l	100
45) 1,2-Dichloropropane	9.140	63	19407	4.189	ug/l	96
46) Dibromomethane	9.231	93	11941	4.159	ug/l	97
47) Bromodichloromethane	9.426	83	29482	4.073	ug/l	94
48) Methyl methacrylate	9.219	41	8422	3.680	ug/l	95
49) 1,4-Dioxane	9.231	88	2557	87.031	ug/l #	93
51) 4-Methyl-2-Pentanone	9.999	43	45984	17.849	ug/l	100
52) Toluene	10.170	92	53758	4.011	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	23954	3.911	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	28485	3.882	ug/l	94
55) 1,1,2-Trichloroethane	10.573	97	16505	4.302	ug/l	96
56) Ethyl methacrylate	10.438	69	14708	3.479	ug/l	95
57) 1,3-Dichloropropane	10.719	76	25397	4.173	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	28945	14.922	ug/l	100
59) 2-Hexanone	10.762	43	31200	16.599	ug/l	97
60) Dibromochloromethane	10.914	129	21529	4.084	ug/l	100
61) 1,2-Dibromoethane	11.012	107	14449	4.013	ug/l	98
64) Tetrachloroethene	10.646	164	29461	4.089	ug/l	98
65) Chlorobenzene	11.444	112	61256	4.065	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.518	131	20869	3.916	ug/l	94
67) Ethyl Benzene	11.518	91	87279	3.578	ug/l	98
68) m/p-Xylenes	11.627	106	67077	6.883	ug/l	99
69) o-Xylene	11.956	106	31628	3.511	ug/l	97
70) Styrene	11.969	104	49430	3.326	ug/l	99
71) Bromoform	12.133	173	12747	4.096	ug/l #	99
73) Isopropylbenzene	12.255	105	77666	3.446	ug/l	99
74) N-amyl acetate	12.072	43	12955	3.395	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	15448	4.292	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	11983m	4.394	ug/l	
77) Bromobenzene	12.530	156	24009	4.107	ug/l	98
78) n-propylbenzene	12.597	91	96813	3.652	ug/l	99
79) 2-Chlorotoluene	12.676	91	59422	3.863	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	62768	3.428	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	4428	3.670	ug/l	97
82) 4-Chlorotoluene	12.780	91	60813	3.834	ug/l	98
83) tert-Butylbenzene	12.993	119	57086	3.423	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	61168	3.373	ug/l	99
85) sec-Butylbenzene	13.176	105	83211	3.460	ug/l	100
86) p-Isopropyltoluene	13.292	119	66171	3.250	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	45287	3.936	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	46929	4.152	ug/l	94
89) n-Butylbenzene	13.615	91	60080	3.393	ug/l	99
90) Hexachloroethane	13.877	117	17862	4.082	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	39329	3.967	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2603	4.697	ug/l	88
93) 1,2,4-Trichlorobenzene	14.919	180	19996	3.526	ug/l	98
94) Hexachlorobutadiene	15.017	225	14099	3.794	ug/l	92
95) Naphthalene	15.139	128	26236	7.630	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	17302	3.651	ug/l	98

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

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