

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023673.D
 Acq On : 04 Nov 2025 14:31
 Operator : SY/MD
 Sample : Q3530-01
 Misc : 5.00G/5mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

Quant Time: Nov 05 05:07:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 05:07:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/06/2025
 Supervised By :Semsettin Yesilyurt 11/06/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	546016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	855673	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	724672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	345951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	236672	50.814	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	101.620%		
35) Dibromofluoromethane	7.634	113	259874	48.598	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.200%		
50) Toluene-d8	10.109	98	963982	48.394	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.780%		
62) 4-Bromofluorobenzene	12.407	95	296144	45.973	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	13243	3.695	ug/l	91
3) Chloromethane	2.074	50	20385	4.064	ug/l	96
4) Vinyl Chloride	2.208	62	26304	4.030	ug/l	94
5) Bromomethane	2.604	94	27660	5.038	ug/l	98
6) Chloroethane	2.738	64	19368	4.294	ug/l	94
7) Trichlorofluoromethane	3.068	101	36415	3.962	ug/l	96
8) Diethyl Ether	3.458	74	10562	4.285	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	20830	4.113	ug/l	98
10) Methyl Iodide	4.013	142	20805	3.479	ug/l	98
11) Tert butyl alcohol	4.854	59	7519	25.036	ug/l #	94
12) 1,1-Dichloroethene	3.799	96	19948	4.089	ug/l	96
13) Acrolein	3.653	56	9043	23.427	ug/l	99
14) Allyl chloride	4.397	41	24563	4.137	ug/l	98
15) Acrylonitrile	5.073	53	19337	20.528	ug/l	97
16) Acetone	3.872	43	20262	17.501	ug/l	89
17) Carbon Disulfide	4.116	76	63051	4.211	ug/l	98
18) Methyl Acetate	4.391	43	10824	4.239	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	44125	3.901	ug/l	98
20) Methylene Chloride	4.628	84	27235	4.873	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	22678	4.123	ug/l	93
22) Diisopropyl ether	6.018	45	49343	3.729	ug/l #	85
23) Vinyl Acetate	5.963	43	127812	18.102	ug/l	97
24) 1,1-Dichloroethane	5.915	63	36672	4.160	ug/l	98
25) 2-Butanone	6.902	43	23280	17.392	ug/l	94
26) 2,2-Dichloropropane	6.884	77	32796	4.045	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	25646	4.082	ug/l	98
28) Bromochloromethane	7.250	49	14348	4.251	ug/l	99
29) Tetrahydrofuran	7.262	42	13272	18.618	ug/l	99
30) Chloroform	7.427	83	39817	4.049	ug/l	100
31) Cyclohexane	7.713	56	36540	4.760	ug/l #	82
32) 1,1,1-Trichloroethane	7.622	97	36681	4.173	ug/l	99
36) 1,1-Dichloropropene	7.835	75	28073	3.929	ug/l	97
37) Ethyl Acetate	6.988	43	10280m	3.716	ug/l	
38) Carbon Tetrachloride	7.817	117	33932	4.030	ug/l	92
39) Methylcyclohexane	9.115	83	34251	3.751	ug/l	96
40) Benzene	8.085	78	88567	3.932	ug/l	98

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41) Methacrylonitrile	7.219	41	5206m	3.448	ug/l	
42) 1,2-Dichloroethane	8.158	62	22721	3.987	ug/l	97
43) Isopropyl Acetate	8.201	43	18808	3.619	ug/l	98
44) Trichloroethene	8.865	130	25806	3.989	ug/l	98
45) 1,2-Dichloropropane	9.146	63	19506	3.924	ug/l	96
46) Dibromomethane	9.231	93	11601	3.767	ug/l	98
47) Bromodichloromethane	9.426	83	29735	3.829	ug/l	97
48) Methyl methacrylate	9.219	41	8028	3.269	ug/l	93
49) 1,4-Dioxane	9.225	88	2235	70.907	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	44642	16.151	ug/l	99
52) Toluene	10.170	92	55316	3.847	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	23912	3.639	ug/l	93
54) cis-1,3-Dichloropropene	9.859	75	29158	3.704	ug/l	95
55) 1,1,2-Trichloroethane	10.572	97	15840	3.848	ug/l	89
56) Ethyl methacrylate	10.444	69	14545	3.207	ug/l	97
57) 1,3-Dichloropropane	10.719	76	24810	3.800	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	29184	14.024	ug/l	98
59) 2-Hexanone	10.761	43	28844	14.304	ug/l	96
60) Dibromochloromethane	10.914	129	20784	3.675	ug/l	95
61) 1,2-Dibromoethane	11.017	107	14394	3.726	ug/l	97
64) Tetrachloroethene	10.646	164	29675	3.934	ug/l	98
65) Chlorobenzene	11.444	112	62910	3.988	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	21740	3.897	ug/l	96
67) Ethyl Benzene	11.517	91	93345	3.656	ug/l	98
68) m/p-Xylenes	11.627	106	72946	7.151	ug/l	98
69) o-Xylene	11.956	106	32787	3.477	ug/l	97
70) Styrene	11.969	104	51844	3.332	ug/l	99
71) Bromoform	12.133	173	12808	3.931	ug/l #	100
73) Isopropylbenzene	12.255	105	83401	3.605	ug/l	99
74) N-amyl acetate	12.066	43	12223	3.120	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	14992	4.057	ug/l	93
76) 1,2,3-Trichloropropane	12.554	75	14279m	5.100	ug/l	
77) Bromobenzene	12.529	156	25375	4.228	ug/l	99
78) n-propylbenzene	12.596	91	103265	3.794	ug/l	99
79) 2-Chlorotoluene	12.676	91	62647	3.967	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	67862	3.610	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	4608	3.719	ug/l	97
82) 4-Chlorotoluene	12.773	91	62813	3.857	ug/l	99
83) tert-Butylbenzene	12.999	119	62450	3.647	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	65557	3.521	ug/l	98
85) sec-Butylbenzene	13.176	105	88928	3.601	ug/l	98
86) p-Isopropyltoluene	13.291	119	73224	3.503	ug/l	98
87) 1,3-Dichlorobenzene	13.285	146	45462	3.849	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	49420	4.259	ug/l	95
89) n-Butylbenzene	13.615	91	64908	3.570	ug/l	99
90) Hexachloroethane	13.877	117	19409	4.320	ug/l	93
91) 1,2-Dichlorobenzene	13.657	146	40340	3.963	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2283	4.012	ug/l	90
93) 1,2,4-Trichlorobenzene	14.919	180	20804	3.573	ug/l	97
94) Hexachlorobutadiene	15.023	225	15989	4.191	ug/l	98
95) Naphthalene	15.145	128	27248	3.132	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	17470	3.591	ug/l	98

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

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