

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023672.D
 Acq On : 04 Nov 2025 14:08
 Operator : SY/MD
 Sample : Q3530-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Nov 05 14:07:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 14:07:49 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	526276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	824991	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	686926	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	319281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	230154	51.268	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.540%			
35) Dibromofluoromethane	7.640	113	261113	50.646	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.300%			
50) Toluene-d8	10.109	98	959419	49.957	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.920%			
62) 4-Bromofluorobenzene	12.407	95	288319	46.422	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.840%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	8446	2.445	ug/l	94
3) Chloromethane	2.074	50	13077	2.705	ug/l	90
4) Vinyl Chloride	2.208	62	16870	2.682	ug/l	97
5) Bromomethane	2.604	94	17509	3.309	ug/l	92
6) Chloroethane	2.738	64	11439	2.631	ug/l	95
7) Trichlorofluoromethane	3.061	101	24094	2.720	ug/l	93
8) Diethyl Ether	3.452	74	6083	2.560	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.824	101	13896	2.847	ug/l	98
10) Methyl Iodide	4.012	142	13337	2.314	ug/l	98
11) Tert butyl alcohol	4.860	59	4516	15.601	ug/l #	87
12) 1,1-Dichloroethene	3.793	96	12357	2.628	ug/l	96
13) Acrolein	3.653	56	5532	14.869	ug/l	99
14) Allyl chloride	4.390	41	14444	2.524	ug/l	98
15) Acrylonitrile	5.067	53	10812	11.908	ug/l	98
16) Acetone	3.860	43	11579	10.377	ug/l	92
17) Carbon Disulfide	4.110	76	39007	2.703	ug/l	97
18) Methyl Acetate	4.384	43	6107	2.481	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	25959	2.381	ug/l	97
20) Methylene Chloride	4.622	84	19191	3.563	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	14453	2.726	ug/l	88
22) Diisopropyl ether	6.024	45	29215	2.291	ug/l #	83
23) Vinyl Acetate	5.969	43	73803	10.845	ug/l	98
24) 1,1-Dichloroethane	5.921	63	23370	2.751	ug/l	97
25) 2-Butanone	6.902	43	12894	9.994	ug/l #	88
26) 2,2-Dichloropropane	6.884	77	21409	2.739	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	15518	2.563	ug/l	99
28) Bromochloromethane	7.250	49	8585	2.639	ug/l	100
29) Tetrahydrofuran	7.274	42	7445	10.835	ug/l	94
30) Chloroform	7.426	83	24834	2.620	ug/l	97
31) Cyclohexane	7.707	56	25756	3.481	ug/l #	58
32) 1,1,1-Trichloroethane	7.622	97	21592	2.549	ug/l	95
36) 1,1-Dichloropropene	7.841	75	17112	2.484	ug/l	96
37) Ethyl Acetate	6.988	43	5804	2.176	ug/l #	88
38) Carbon Tetrachloride	7.817	117	20830	2.566	ug/l	98
39) Methylcyclohexane	9.109	83	22778	2.588	ug/l	99
40) Benzene	8.085	78	56878	2.619	ug/l	100

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41) Methacrylonitrile	7.238	41	2875m	1.975	ug/l	
42) 1,2-Dichloroethane	8.158	62	13646	2.484	ug/l	99
43) Isopropyl Acetate	8.195	43	10802	2.156	ug/l	99
44) Trichloroethene	8.865	130	16193	2.596	ug/l	97
45) 1,2-Dichloropropane	9.146	63	11297	2.357	ug/l	95
46) Dibromomethane	9.237	93	7172	2.415	ug/l	97
47) Bromodichloromethane	9.426	83	17787	2.376	ug/l	98
48) Methyl methacrylate	9.225	41	4896m	2.068	ug/l	
49) 1,4-Dioxane	9.225	88	1169	38.467	ug/l #	79
51) 4-Methyl-2-Pentanone	9.999	43	24834	9.319	ug/l	96
52) Toluene	10.170	92	35896	2.589	ug/l	97
53) t-1,3-Dichloropropene	10.395	75	14530	2.294	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	16286	2.146	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	9470	2.386	ug/l	95
56) Ethyl methacrylate	10.444	69	8442	1.931	ug/l #	92
57) 1,3-Dichloropropane	10.719	76	14684	2.333	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.713	63	14905	7.429	ug/l	99
59) 2-Hexanone	10.767	43	16619	8.548	ug/l	93
60) Dibromochloromethane	10.914	129	12807	2.349	ug/l	99
61) 1,2-Dibromoethane	11.017	107	8394	2.254	ug/l	100
64) Tetrachloroethene	10.645	164	19662	2.750	ug/l	98
65) Chlorobenzene	11.444	112	40497	2.708	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	13569	2.566	ug/l	94
67) Ethyl Benzene	11.523	91	60406	2.496	ug/l	97
68) m/p-Xylenes	11.633	106	46674	4.827	ug/l	96
69) o-Xylene	11.956	106	20554	2.299	ug/l	99
70) Styrene	11.968	104	31469	2.134	ug/l	100
71) Bromoform	12.133	173	7655	2.479	ug/l #	98
73) Isopropylbenzene	12.255	105	53412	2.501	ug/l	99
74) N-amyl acetate	12.072	43	6989	1.933	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.511	83	9188	2.694	ug/l	94
76) 1,2,3-Trichloropropane	12.560	75	7502m	2.903	ug/l	
77) Bromobenzene	12.535	156	16367	2.955	ug/l	97
78) n-propylbenzene	12.596	91	69211	2.755	ug/l	99
79) 2-Chlorotoluene	12.682	91	40937	2.809	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	44826	2.584	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	2551m	2.231	ug/l	
82) 4-Chlorotoluene	12.779	91	41870	2.785	ug/l	99
83) tert-Butylbenzene	12.999	119	41694	2.639	ug/l	96
84) 1,2,4-Trimethylbenzene	13.041	105	40811	2.375	ug/l	97
85) sec-Butylbenzene	13.175	105	61774	2.710	ug/l	100
86) p-Isopropyltoluene	13.291	119	47412	2.457	ug/l	98
87) 1,3-Dichlorobenzene	13.291	146	31938	2.930	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	33320	3.111	ug/l	91
89) n-Butylbenzene	13.614	91	45267	2.698	ug/l	97
90) Hexachloroethane	13.877	117	12742	3.073	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	28174	2.999	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1447	2.756	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	15491	2.883	ug/l	97
94) Hexachlorobutadiene	15.017	225	12054	3.423	ug/l	99
95) Naphthalene	15.145	128	20610	2.567	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	13418	2.988	ug/l	100

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

