

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023674.D
 Acq On : 04 Nov 2025 14:53
 Operator : SY/MD
 Sample : Q3530-02
 Misc : 5.00G/5mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2025

Quant Time: Nov 05 05:09:34 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	530604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	827084	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	709567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	335353	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	246162	54.387	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.780%			
35) Dibromofluoromethane	7.640	113	269671	52.174	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.340%			
50) Toluene-d8	10.109	98	985744	51.197	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.400%			
62) 4-Bromofluorobenzene	12.408	95	306141	49.167	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	20100	5.771	ug/l	100
3) Chloromethane	2.074	50	28904	5.930	ug/l	99
4) Vinyl Chloride	2.208	62	35167	5.545	ug/l	97
5) Bromomethane	2.604	94	33066	6.198	ug/l	94
6) Chloroethane	2.739	64	24749	5.646	ug/l	96
7) Trichlorofluoromethane	3.062	101	48782	5.461	ug/l	98
8) Diethyl Ether	3.452	74	13075	5.458	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.824	101	26991	5.484	ug/l	99
10) Methyl Iodide	4.013	142	26971	4.641	ug/l	97
11) Tert butyl alcohol	4.866	59	9249	31.691	ug/l #	89
12) 1,1-Dichloroethene	3.793	96	25386	5.355	ug/l	98
13) Acrolein	3.653	56	11217	29.903	ug/l	97
14) Allyl chloride	4.391	41	30104	5.217	ug/l	99
15) Acrylonitrile	5.067	53	25407	27.755	ug/l	96
16) Acetone	3.873	43	31891	28.346	ug/l	95
17) Carbon Disulfide	4.110	76	80708	5.547	ug/l	99
18) Methyl Acetate	4.391	43	12963	5.224	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	56811	5.168	ug/l	99
20) Methylene Chloride	4.622	84	33481	6.165	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	28664	5.362	ug/l	93
22) Diisopropyl ether	6.025	45	65558	5.099	ug/l #	87
23) Vinyl Acetate	5.970	43	174118	25.376	ug/l	98
24) 1,1-Dichloroethane	5.921	63	46815	5.465	ug/l	98
25) 2-Butanone	6.902	43	34765	26.726	ug/l	90
26) 2,2-Dichloropropane	6.884	77	42275	5.365	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	31810	5.211	ug/l	98
28) Bromochloromethane	7.250	49	18124	5.526	ug/l	96
29) Tetrahydrofuran	7.274	42	18678	26.962	ug/l	96
30) Chloroform	7.427	83	51648	5.404	ug/l	99
31) Cyclohexane	7.707	56	43773	5.868	ug/l #	74
32) 1,1,1-Trichloroethane	7.616	97	45754	5.356	ug/l	99
36) 1,1-Dichloropropene	7.835	75	33834	4.899	ug/l	96
37) Ethyl Acetate	7.000	43	14201m	5.311	ug/l	
38) Carbon Tetrachloride	7.823	117	42644	5.240	ug/l	98
39) Methylcyclohexane	9.115	83	42546	4.821	ug/l	98
40) Benzene	8.085	78	111697	5.131	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	7152m	4.900	ug/l	
42) 1,2-Dichloroethane	8.164	62	29463	5.349	ug/l	100
43) Isopropyl Acetate	8.201	43	26616	5.298	ug/l	99
44) Trichloroethene	8.872	130	32002	5.118	ug/l	100
45) 1,2-Dichloropropane	9.146	63	25015	5.206	ug/l	98
46) Dibromomethane	9.237	93	16052	5.392	ug/l	97
47) Bromodichloromethane	9.426	83	38554	5.136	ug/l	99
48) Methyl methacrylate	9.225	41	11609	4.891	ug/l	96
49) 1,4-Dioxane	9.231	88	2951	96.859	ug/l #	92
51) 4-Methyl-2-Pentanone	9.999	43	62652	23.451	ug/l	99
52) Toluene	10.176	92	70784	5.093	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	30229	4.760	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	36918	4.852	ug/l	95
55) 1,1,2-Trichloroethane	10.573	97	20980	5.273	ug/l	92
56) Ethyl methacrylate	10.444	69	20021	4.567	ug/l	94
57) 1,3-Dichloropropane	10.719	76	32687	5.180	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	42206	20.982	ug/l	99
59) 2-Hexanone	10.762	43	45182	23.180	ug/l	96
60) Dibromochloromethane	10.914	129	27924	5.108	ug/l	100
61) 1,2-Dibromoethane	11.018	107	19999	5.356	ug/l	94
64) Tetrachloroethene	10.652	164	38209	5.174	ug/l	97
65) Chlorobenzene	11.444	112	79912	5.173	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	28216	5.166	ug/l	97
67) Ethyl Benzene	11.517	91	118648	4.746	ug/l	98
68) m/p-Xylenes	11.627	106	91486	9.159	ug/l	98
69) o-Xylene	11.956	106	42098	4.559	ug/l	97
70) Styrene	11.969	104	66580	4.370	ug/l	99
71) Bromoform	12.133	173	16639	5.216	ug/l #	100
73) Isopropylbenzene	12.255	105	110328	4.919	ug/l	99
74) N-amyl acetate	12.072	43	17636	4.644	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	20083	5.606	ug/l	95
76) 1,2,3-Trichloropropane	12.554	75	16787m	6.185	ug/l	
77) Bromobenzene	12.529	156	31046	5.336	ug/l	95
78) n-propylbenzene	12.597	91	134412	5.095	ug/l	99
79) 2-Chlorotoluene	12.682	91	78615	5.135	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	89448	4.908	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	6144	5.116	ug/l	96
82) 4-Chlorotoluene	12.773	91	83470	5.287	ug/l	98
83) tert-Butylbenzene	12.993	119	81764	4.926	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	85155	4.718	ug/l	100
85) sec-Butylbenzene	13.176	105	116760	4.877	ug/l	98
86) p-Isopropyltoluene	13.292	119	93357	4.607	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	57948	5.061	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	60108	5.344	ug/l	95
89) n-Butylbenzene	13.615	91	82812	4.699	ug/l	99
90) Hexachloroethane	13.883	117	23023	5.287	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	52913	5.362	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3267	5.923	ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	26269	4.654	ug/l	99
94) Hexachlorobutadiene	15.023	225	18977	5.131	ug/l	95
95) Naphthalene	15.145	128	34860	4.134	ug/l	97
96) 1,2,3-Trichlorobenzene	15.328	180	22842	4.844	ug/l	99

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

