

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082525\
 Data File : VY023206.D
 Acq On : 25 Aug 2025 11:56
 Operator : SY/MD
 Sample : Q2893-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

Quant Time: Aug 26 00:13:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 26 00:10:39 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/26/2025
 Supervised By :Semsettin Yesilyurt 08/26/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	315982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	508667	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	439691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	212956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	203095	67.439	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.880%			
35) Dibromofluoromethane	7.634	113	211850	69.603	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 139.200%			
50) Toluene-d8	10.103	98	790946	66.519	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 133.040%			
62) 4-Bromofluorobenzene	12.402	95	231298	60.487	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 120.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	19943	7.732	ug/l	98
3) Chloromethane	2.068	50	31831	7.620	ug/l	96
4) Vinyl Chloride	2.202	62	38027	7.364	ug/l	99
5) Bromomethane	2.598	94	34799	9.023	ug/l	100
6) Chloroethane	2.739	64	26351	7.675	ug/l	97
7) Trichlorofluoromethane	3.056	101	47386	7.547	ug/l	94
8) Diethyl Ether	3.452	74	13327	8.022	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	25161	8.122	ug/l	98
10) Methyl Iodide	4.007	142	22528	6.739	ug/l	99
11) Tert butyl alcohol	4.854	59	7374	35.736	ug/l	98
12) 1,1-Dichloroethene	3.787	96	22541	7.403	ug/l	85
13) Acrolein	3.653	56	5822	19.266	ug/l	89
14) Allyl chloride	4.385	41	30065	6.710	ug/l	100
15) Acrylonitrile	5.061	53	24023	35.569	ug/l	97
16) Acetone	3.873	43	27929	42.808	ug/l	95
17) Carbon Disulfide	4.104	76	72097	7.262	ug/l	97
18) Methyl Acetate	4.391	43	14724	7.584	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	53717	6.808	ug/l	96
20) Methylene Chloride	4.616	84	52190	13.326	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	26064	7.617	ug/l	88
22) Diisopropyl ether	6.012	45	63007	6.472	ug/l #	82
23) Vinyl Acetate	5.964	43	166812	30.986	ug/l	98
24) 1,1-Dichloroethane	5.915	63	44709	7.511	ug/l	97
25) 2-Butanone	6.903	43	32345	36.452	ug/l	98
26) 2,2-Dichloropropane	6.890	77	37987	7.396	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	29720	7.513	ug/l	95
28) Bromochloromethane	7.244	49	17687	7.489	ug/l	90
29) Tetrahydrofuran	7.268	42	17178	31.232	ug/l	98
30) Chloroform	7.421	83	47847	7.794	ug/l	97
31) Cyclohexane	7.701	56	38780	6.914	ug/l #	84
32) 1,1,1-Trichloroethane	7.616	97	42079	7.725	ug/l	99
36) 1,1-Dichloropropene	7.841	75	33003	7.296	ug/l	98
37) Ethyl Acetate	6.988	43	12040	6.336	ug/l #	91
38) Carbon Tetrachloride	7.817	117	37317	7.596	ug/l	97
39) Methylcyclohexane	9.109	83	38403	6.447	ug/l	98
40) Benzene	8.079	78	102899	7.381	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	5772m	5.263	ug/l	
42) 1,2-Dichloroethane	8.158	62	27059	7.463	ug/l	98
43) Isopropyl Acetate	8.201	43	24845	6.469	ug/l	99
44) Trichloroethene	8.866	130	28348	7.868	ug/l	97
45) 1,2-Dichloropropane	9.140	63	23147	7.216	ug/l	99
46) Dibromomethane	9.231	93	14003	7.605	ug/l	97
47) Bromodichloromethane	9.420	83	37289	7.871	ug/l	99
48) Methyl methacrylate	9.225	41	10312	5.611	ug/l #	87
49) 1,4-Dioxane	9.225	88	2758	127.753	ug/l #	91
51) 4-Methyl-2-Pentanone	10.000	43	60973	30.778	ug/l	99
52) Toluene	10.170	92	64804	7.319	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	29398	6.852	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	34157	6.733	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	18390	7.464	ug/l	96
56) Ethyl methacrylate	10.438	69	19190	6.087	ug/l	96
57) 1,3-Dichloropropane	10.713	76	30519	7.304	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	36388	24.470	ug/l	96
59) 2-Hexanone	10.762	43	42203	31.286	ug/l	97
60) Dibromochloromethane	10.908	129	24535	7.547	ug/l	100
61) 1,2-Dibromoethane	11.012	107	16735	7.227	ug/l	99
64) Tetrachloroethene	10.646	164	30593	7.792	ug/l	91
65) Chlorobenzene	11.438	112	68924	7.267	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	25406	7.893	ug/l	96
67) Ethyl Benzene	11.518	91	106161	6.504	ug/l	99
68) m/p-Xylenes	11.627	106	80195	12.581	ug/l	100
69) o-Xylene	11.950	106	38711	6.484	ug/l	99
70) Styrene	11.969	104	60372	6.183	ug/l	100
71) Bromoform	12.127	173	14817	7.876	ug/l #	98
73) Isopropylbenzene	12.255	105	96435	6.416	ug/l	100
74) N-amyl acetate	12.072	43	17687	5.549	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	20238	7.886	ug/l	98
76) 1,2,3-Trichloropropane	12.548	75	13507m	6.572	ug/l	
77) Bromobenzene	12.530	156	27010	7.533	ug/l	96
78) n-propylbenzene	12.591	91	119804	6.695	ug/l	100
79) 2-Chlorotoluene	12.676	91	71702	6.993	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	78151	6.434	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	5644	6.648	ug/l	94
82) 4-Chlorotoluene	12.773	91	73405	6.902	ug/l	100
83) tert-Butylbenzene	12.993	119	68755	6.267	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	77656	6.422	ug/l	100
85) sec-Butylbenzene	13.170	105	103892	6.446	ug/l	100
86) p-Isopropyltoluene	13.292	119	82982	6.203	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	51654	7.305	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	52417	7.473	ug/l	97
89) n-Butylbenzene	13.615	91	75931	6.180	ug/l	99
90) Hexachloroethane	13.877	117	20393	7.447	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	46218	7.453	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3144	7.868	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	24381	6.648	ug/l	98
94) Hexachlorobutadiene	15.023	225	16671	7.736	ug/l	98
95) Naphthalene	15.145	128	34324	5.489	ug/l	97
96) 1,2,3-Trichlorobenzene	15.322	180	21239	6.721	ug/l	100

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

