

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032113.D
 Acq On : 22 Aug 2025 16:07
 Operator : SY/MD
 Sample : Q2893-02
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Aug 25 03:57:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/25/2025
 Supervised By : Mahesh Dadoda 08/25/2025

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	208799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	374134	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	342142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	179477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	143896	47.650	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	95.300%		
35) Dibromofluoromethane	7.904	113	119897	49.605	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	99.200%		
50) Toluene-d8	10.330	98	432402	48.367	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	96.740%		
62) 4-Bromofluorobenzene	12.617	95	155951	47.337	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	94.680%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.039	85	7392	4.950	ug/l	99
3) Chloromethane	2.259	50	8712	4.331	ug/l	100
4) Vinyl Chloride	2.405	62	10652	4.378	ug/l #	78
5) Bromomethane	2.820	94	9036	4.950	ug/l	90
6) Chloroethane	2.972	64	7100	4.410	ug/l	96
7) Trichlorofluoromethane	3.307	101	9290	4.766	ug/l	85
8) Diethyl Ether	3.722	74	8810	5.517	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.100	101	11454	4.981	ug/l	96
10) Methyl Iodide	4.307	142	16674	5.114	ug/l	95
11) Tert butyl alcohol	5.215	59	4870	24.905	ug/l #	93
12) 1,1-Dichloroethene	4.082	96	11633	4.594	ug/l	94
13) Acrolein	3.923	56	4535	14.555	ug/l	86
14) Allyl chloride	4.709	41	16104	4.370	ug/l	94
15) Acrylonitrile	5.411	53	16859	22.164	ug/l	96
16) Acetone	4.161	43	22242	31.812	ug/l	92
17) Carbon Disulfide	4.423	76	28260	4.158	ug/l	96
18) Methyl Acetate	4.709	43	11106	5.020	ug/l	95
19) Methyl tert-butyl Ether	5.459	73	20392	4.571	ug/l	96
20) Methylene Chloride	4.953	84	28536	8.827	ug/l	96
21) trans-1,2-Dichloroethene	5.453	96	11749	4.372	ug/l	89
22) Diisopropyl ether	6.349	45	32894	4.234	ug/l	92
23) Vinyl Acetate	6.288	43	103564	20.303	ug/l	99
24) 1,1-Dichloroethane	6.246	63	22564	4.546	ug/l	97
25) 2-Butanone	7.203	43	23350	23.498	ug/l	93
26) 2,2-Dichloropropane	7.191	77	12183	4.892	ug/l	99
27) cis-1,2-Dichloroethene	7.197	96	14613	4.652	ug/l	95
28) Bromochloromethane	7.532	49	10580	4.684	ug/l	96
29) Tetrahydrofuran	7.550	42	12809	19.546	ug/l	91
30) Chloroform	7.691	83	26051	4.950	ug/l	91
31) Cyclohexane	7.965	56	21227	4.932	ug/l #	84
32) 1,1,1-Trichloroethane	7.892	97	18305	4.789	ug/l	97
36) 1,1-Dichloropropene	8.099	75	16117	4.730	ug/l	97
37) Ethyl Acetate	7.276	43	9429	4.699	ug/l #	93
38) Carbon Tetrachloride	8.081	117	17873	5.435	ug/l	95
39) Methylcyclohexane	9.343	83	17110	4.120	ug/l	94
40) Benzene	8.337	78	52169	4.926	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	5318	4.673	ug/l #	93
42) 1,2-Dichloroethane	8.416	62	18439	5.441	ug/l	100
43) Isopropyl Acetate	8.440	43	17082	4.627	ug/l	95
44) Trichloroethene	9.099	130	12982	5.147	ug/l	87
45) 1,2-Dichloropropane	9.379	63	11969	4.678	ug/l #	89
46) Dibromomethane	9.465	93	8660	5.244	ug/l	95
47) Bromodichloromethane	9.654	83	18873	4.960	ug/l	97
48) Methyl methacrylate	9.446	41	7736	4.340	ug/l #	87
49) 1,4-Dioxane	9.471	88	1735	81.254	ug/l #	64
51) 4-Methyl-2-Pentanone	10.215	43	49075	23.549	ug/l	96
52) Toluene	10.391	92	32956	4.940	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	15244	4.276	ug/l	96
54) cis-1,3-Dichloropropene	10.080	75	17784	4.397	ug/l	93
55) 1,1,2-Trichloroethane	10.794	97	11470	5.227	ug/l	93
56) Ethyl methacrylate	10.653	69	12391	4.219	ug/l #	92
57) 1,3-Dichloropropane	10.934	76	18766	4.906	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.928	63	34181	21.043	ug/l	98
59) 2-Hexanone	10.971	43	34021	23.572	ug/l	95
60) Dibromochloromethane	11.129	129	12832	5.119	ug/l	95
61) 1,2-Dibromoethane	11.239	107	11130	5.219	ug/l	99
64) Tetrachloroethene	10.867	164	11802	5.972	ug/l	89
65) Chlorobenzene	11.659	112	37479	5.033	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.733	131	11991	5.161	ug/l	99
67) Ethyl Benzene	11.733	91	58569	4.643	ug/l	97
68) m/p-Xylenes	11.836	106	44081	9.056	ug/l	99
69) o-Xylene	12.165	106	20326	4.518	ug/l	98
70) Styrene	12.178	104	34976	4.377	ug/l	99
71) Bromoform	12.342	173	7389	5.559	ug/l #	92
73) Isopropylbenzene	12.464	105	50649	4.038	ug/l	96
74) N-amyl acetate	12.269	43	14867	4.131	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	13951	4.685	ug/l	96
76) 1,2,3-Trichloropropane	12.769	75	10832m	4.447	ug/l	
77) Bromobenzene	12.751	156	15020	5.014	ug/l	87
78) n-propylbenzene	12.799	91	65528	4.243	ug/l	98
79) 2-Chlorotoluene	12.891	91	39020	4.094	ug/l	90
80) 1,3,5-Trimethylbenzene	12.940	105	42658	4.006	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.513	75	3576	3.801	ug/l	92
82) 4-Chlorotoluene	12.988	91	45244	4.468	ug/l	99
83) tert-Butylbenzene	13.202	119	36237	4.100	ug/l	98
84) 1,2,4-Trimethylbenzene	13.251	105	44422	4.098	ug/l	93
85) sec-Butylbenzene	13.379	105	54988	4.115	ug/l	100
86) p-Isopropyltoluene	13.494	119	46673	4.190	ug/l	98
87) 1,3-Dichlorobenzene	13.494	146	29329	4.920	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	30606	5.081	ug/l	95
89) n-Butylbenzene	13.818	91	45142	4.172	ug/l	98
90) Hexachloroethane	14.086	117	9046	4.441	ug/l	94
91) 1,2-Dichlorobenzene	13.866	146	26030	4.820	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.482	75	2650	5.005	ug/l	97
93) 1,2,4-Trichlorobenzene	15.122	180	15323	4.744	ug/l	97
94) Hexachlorobutadiene	15.232	225	8287	5.739	ug/l	93
95) Naphthalene	15.360	128	33462	4.228	ug/l	97
96) 1,2,3-Trichlorobenzene	15.549	180	14746	5.017	ug/l	96

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

