

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032111.D
 Acq On : 22 Aug 2025 15:24
 Operator : SY/MD
 Sample : Q2893-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

Quant Time: Aug 25 03:54:52 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

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

Internal Standards						
1) Pentafluorobenzene	7.953	168	192636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	346400	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	328568	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	165571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	138884	49.850	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	99.700%
35) Dibromofluoromethane	7.898	113	114485	51.158	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	102.320%
50) Toluene-d8	10.325	98	405799	49.026	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	98.060%
62) 4-Bromofluorobenzene	12.617	95	141731	46.465	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	92.920%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.046	85	3765	2.733	ug/l	94
3) Chloromethane	2.253	50	4512	2.431	ug/l #	86
4) Vinyl Chloride	2.405	62	4994	2.225	ug/l	92
5) Bromomethane	2.820	94	4712	2.798	ug/l	99
6) Chloroethane	2.972	64	3474	2.339	ug/l	93
7) Trichlorofluoromethane	3.295	101	3980	2.213	ug/l	100
8) Diethyl Ether	3.722	74	5119	3.474	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.106	101	5987	2.822	ug/l	92
10) Methyl Iodide	4.301	142	8269	2.749	ug/l #	74
11) Tert butyl alcohol	5.222	59	2611	14.473	ug/l #	94
12) 1,1-Dichloroethene	4.076	96	6197	2.653	ug/l	88
13) Acrolein	3.948	56	872m	3.034	ug/l	
14) Allyl chloride	4.704	41	6882	2.024	ug/l #	81
15) Acrylonitrile	5.411	53	8172	11.645	ug/l	94
16) Acetone	4.161	43	14712	22.808	ug/l	99
17) Carbon Disulfide	4.423	76	12267	1.956	ug/l	97
18) Methyl Acetate	4.710	43	6098	2.988	ug/l	94
19) Methyl tert-butyl Ether	5.460	73	9679	2.351	ug/l	97
20) Methylene Chloride	4.948	84	21667	7.265	ug/l	94
21) trans-1,2-Dichloroethene	5.454	96	5987	2.415	ug/l	90
22) Diisopropyl ether	6.344	45	14834	2.070	ug/l #	91
23) Vinyl Acetate	6.277	43	43597	9.264	ug/l	96
24) 1,1-Dichloroethane	6.246	63	10925	2.386	ug/l #	92
25) 2-Butanone	7.197	43	10506	11.460	ug/l	98
26) 2,2-Dichloropropane	7.179	77	6196	2.697	ug/l	99
27) cis-1,2-Dichloroethene	7.179	96	6999	2.415	ug/l	98
28) Bromochloromethane	7.526	49	5135	2.464	ug/l	92
29) Tetrahydrofuran	7.551	42	6528	10.797	ug/l	96
30) Chloroform	7.685	83	12839	2.644	ug/l #	81
31) Cyclohexane	7.965	56	12334	3.106	ug/l #	80
32) 1,1,1-Trichloroethane	7.880	97	8796	2.494	ug/l	98
36) 1,1-Dichloropropene	8.100	75	7727	2.449	ug/l	95
37) Ethyl Acetate	7.276	43	4112	2.213	ug/l #	87
38) Carbon Tetrachloride	8.081	117	8518	2.798	ug/l	96
39) Methylcyclohexane	9.343	83	8918	2.319	ug/l	92
40) Benzene	8.331	78	24243	2.472	ug/l	98

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 Supervised By : Mahesh
 adoda

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.508	41	2813	2.670	ug/l	#	90
42) 1,2-Dichloroethane	8.410	62	9107	2.902	ug/l		98
43) Isopropyl Acetate	8.441	43	8195	2.397	ug/l	#	91
44) Trichloroethene	9.105	130	6279	2.689	ug/l		90
45) 1,2-Dichloropropane	9.374	63	5877	2.481	ug/l		98
46) Dibromomethane	9.465	93	4291	2.806	ug/l		95
47) Bromodichloromethane	9.648	83	9206	2.613	ug/l	#	89
48) Methyl methacrylate	9.441	41	4093	2.480	ug/l		90
49) 1,4-Dioxane	9.453	88	1138m	57.562	ug/l		
51) 4-Methyl-2-Pentanone	10.215	43	21718	11.256	ug/l		99
52) Toluene	10.386	92	15710	2.543	ug/l		96
53) t-1,3-Dichloropropene	10.605	75	7287	2.208	ug/l		97
54) cis-1,3-Dichloropropene	10.075	75	8541	2.281	ug/l		88
55) 1,1,2-Trichloroethane	10.782	97	5471	2.693	ug/l		92
56) Ethyl methacrylate	10.648	69	5790	2.129	ug/l		97
57) 1,3-Dichloropropane	10.934	76	8862	2.502	ug/l		96
58) 2-Chloroethyl Vinyl ether	9.928	63	14666	9.752	ug/l		92
59) 2-Hexanone	10.971	43	15979	11.958	ug/l		96
60) Dibromochloromethane	11.129	129	5709	2.460	ug/l		92
61) 1,2-Dibromoethane	11.239	107	5368	2.719	ug/l		98
64) Tetrachloroethene	10.861	164	5496	2.896	ug/l		88
65) Chlorobenzene	11.660	112	18338	2.564	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.727	131	5716	2.562	ug/l		96
67) Ethyl Benzene	11.727	91	27071	2.235	ug/l		96
68) m/p-Xylenes	11.837	106	20175	4.316	ug/l		98
69) o-Xylene	12.166	106	9291	2.150	ug/l		99
70) Styrene	12.178	104	16246	2.117	ug/l		99
71) Bromoform	12.349	173	3698	2.897	ug/l	#	91
73) Isopropylbenzene	12.465	105	23687	2.047	ug/l		97
74) N-amyl acetate	12.276	43	6492	1.956	ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.715	83	6876	2.503	ug/l		97
76) 1,2,3-Trichloropropane	12.763	75	6346m	2.824	ug/l		
77) Bromobenzene	12.745	156	7062	2.555	ug/l		91
78) n-propylbenzene	12.800	91	31574	2.216	ug/l		99
79) 2-Chlorotoluene	12.885	91	19315	2.197	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	19653	2.001	ug/l		94
81) trans-1,4-Dichloro-2-b...	12.507	75	2200m	2.535	ug/l		
82) 4-Chlorotoluene	12.983	91	20690	2.215	ug/l		96
83) tert-Butylbenzene	13.202	119	17546	2.152	ug/l		97
84) 1,2,4-Trimethylbenzene	13.245	105	21308	2.131	ug/l		97
85) sec-Butylbenzene	13.379	105	26511	2.151	ug/l		99
86) p-Isopropyltoluene	13.495	119	21619	2.104	ug/l		97
87) 1,3-Dichlorobenzene	13.501	146	14098	2.564	ug/l		95
88) 1,4-Dichlorobenzene	13.574	146	16150	2.906	ug/l		93
89) n-Butylbenzene	13.818	91	21772	2.181	ug/l		97
90) Hexachloroethane	14.086	117	4813	2.561	ug/l		94
91) 1,2-Dichlorobenzene	13.867	146	13264	2.663	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.470	75	1364	2.793	ug/l		94
93) 1,2,4-Trichlorobenzene	15.129	180	8008	2.687	ug/l		99
94) Hexachlorobutadiene	15.226	225	4208	3.159	ug/l		94
95) Naphthalene	15.360	128	16343	2.238	ug/l		95
96) 1,2,3-Trichlorobenzene	15.555	180	7332	2.704	ug/l		90

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

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