

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032112.D
 Acq On : 22 Aug 2025 15:45
 Operator : SY/MD
 Sample : Q2893-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Aug 25 03:55:52 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	7.965	168	214156	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	370337	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	332441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	172925	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	146086	47.166	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	94.340%		
35) Dibromofluoromethane	7.898	113	125963	52.649	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	105.300%		
50) Toluene-d8	10.325	98	433846	49.026	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	98.060%		
62) 4-Bromofluorobenzene	12.617	95	158728	48.674	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	97.340%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.046	85	5900	3.852	ug/l	91
3) Chloromethane	2.253	50	6062	2.938	ug/l	97
4) Vinyl Chloride	2.399	62	7567	3.032	ug/l	92
5) Bromomethane	2.826	94	6473	3.457	ug/l	94
6) Chloroethane	2.966	64	5628	3.408	ug/l	# 87
7) Trichlorofluoromethane	3.302	101	6795	3.399	ug/l	96
8) Diethyl Ether	3.722	74	7542	4.604	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.106	101	9083	3.851	ug/l	94
10) Methyl Iodide	4.314	142	12530	3.747	ug/l	# 94
11) Tert butyl alcohol	5.222	59	4190m	20.891	ug/l	
12) 1,1-Dichloroethene	4.082	96	9662	3.720	ug/l	99
13) Acrolein	3.930	56	1416m	4.431	ug/l	
14) Allyl chloride	4.710	41	11416	3.020	ug/l	# 86
15) Acrylonitrile	5.405	53	12408	15.904	ug/l	89
16) Acetone	4.167	43	19744	27.533	ug/l	90
17) Carbon Disulfide	4.423	76	18861	2.706	ug/l	# 93
18) Methyl Acetate	4.716	43	11005	4.850	ug/l	99
19) Methyl tert-butyl Ether	5.472	73	15455	3.377	ug/l	99
20) Methylene Chloride	4.960	84	28444	8.579	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	9040	3.280	ug/l	94
22) Diisopropyl ether	6.344	45	23929	3.003	ug/l	90
23) Vinyl Acetate	6.283	43	71285	13.625	ug/l	# 93
24) 1,1-Dichloroethane	6.246	63	16957	3.331	ug/l	99
25) 2-Butanone	7.197	43	17868	17.532	ug/l	99
26) 2,2-Dichloropropane	7.191	77	9451	3.700	ug/l	98
27) cis-1,2-Dichloroethene	7.197	96	10921	3.390	ug/l	95
28) Bromochloromethane	7.533	49	9007	3.888	ug/l	96
29) Tetrahydrofuran	7.557	42	11272	16.770	ug/l	95
30) Chloroform	7.697	83	19531	3.618	ug/l	100
31) Cyclohexane	7.972	56	17402	3.943	ug/l	# 82
32) 1,1,1-Trichloroethane	7.886	97	14629	3.731	ug/l	94
36) 1,1-Dichloropropene	8.100	75	12464	3.695	ug/l	98
37) Ethyl Acetate	7.283	43	8591m	4.325	ug/l	
38) Carbon Tetrachloride	8.081	117	13434	4.127	ug/l	99
39) Methylcyclohexane	9.343	83	13579	3.303	ug/l	97
40) Benzene	8.337	78	38774	3.698	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	3539	3.142	ug/l #	74
42) 1,2-Dichloroethane	8.411	62	13322	3.971	ug/l	99
43) Isopropyl Acetate	8.441	43	13368	3.658	ug/l	98
44) Trichloroethene	9.099	130	10153	4.067	ug/l	99
45) 1,2-Dichloropropane	9.374	63	9134	3.606	ug/l	91
46) Dibromomethane	9.471	93	6582	4.026	ug/l	96
47) Bromodichloromethane	9.654	83	14390	3.820	ug/l	97
48) Methyl methacrylate	9.447	41	5727	3.246	ug/l #	89
49) 1,4-Dioxane	9.471	88	1754m	82.986	ug/l	
51) 4-Methyl-2-Pentanone	10.215	43	37277	18.071	ug/l	94
52) Toluene	10.392	92	25348	3.839	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	11969	3.392	ug/l	97
54) cis-1,3-Dichloropropene	10.081	75	13398	3.347	ug/l	90
55) 1,1,2-Trichloroethane	10.788	97	8388	3.861	ug/l	97
56) Ethyl methacrylate	10.648	69	9035	3.108	ug/l #	89
57) 1,3-Dichloropropane	10.934	76	14604	3.857	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.929	63	24647	15.329	ug/l	94
59) 2-Hexanone	10.971	43	24075	16.852	ug/l	93
60) Dibromochloromethane	11.130	129	9248	3.727	ug/l	95
61) 1,2-Dibromoethane	11.239	107	8275	3.920	ug/l	96
64) Tetrachloroethene	10.861	164	8852	4.610	ug/l #	84
65) Chlorobenzene	11.660	112	28025	3.873	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.733	131	8648	3.831	ug/l	95
67) Ethyl Benzene	11.733	91	43063	3.513	ug/l	97
68) m/p-Xylenes	11.837	106	33068	6.992	ug/l	100
69) o-Xylene	12.166	106	14814	3.389	ug/l	99
70) Styrene	12.178	104	25299	3.258	ug/l	99
71) Bromoform	12.343	173	5671	4.391	ug/l #	99
73) Isopropylbenzene	12.465	105	37789	3.127	ug/l	99
74) N-amyl acetate	12.276	43	11231	3.239	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.715	83	10512	3.664	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	9539m	4.064	ug/l	
77) Bromobenzene	12.745	156	11603	4.020	ug/l	86
78) n-propylbenzene	12.800	91	48982	3.292	ug/l	99
79) 2-Chlorotoluene	12.891	91	30331	3.303	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	32226	3.141	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.513	75	3160m	3.486	ug/l	
82) 4-Chlorotoluene	12.989	91	31856	3.265	ug/l	97
83) tert-Butylbenzene	13.202	119	27338	3.211	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	32862	3.146	ug/l	96
85) sec-Butylbenzene	13.379	105	40635	3.156	ug/l	99
86) p-Isopropyltoluene	13.495	119	33692	3.139	ug/l	96
87) 1,3-Dichlorobenzene	13.495	146	21994	3.829	ug/l	94
88) 1,4-Dichlorobenzene	13.574	146	23388	4.030	ug/l	95
89) n-Butylbenzene	13.818	91	33908	3.252	ug/l	96
90) Hexachloroethane	14.086	117	7214	3.676	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	19771	3.800	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.483	75	2008	3.936	ug/l	89
93) 1,2,4-Trichlorobenzene	15.129	180	11837	3.803	ug/l	96
94) Hexachlorobutadiene	15.226	225	5968	4.290	ug/l	94
95) Naphthalene	15.360	128	22969	3.012	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.543	180	11216	3.961	ug/l	94

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

