

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032153.D
 Acq On : 28 Aug 2025 12:36
 Operator : SY/MD
 Sample : Q2893-03
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT3-2025

Quant Time: Aug 29 01:38:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 29 01:37:47 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/29/2025
 Supervised By : Mahesh Dadoda 08/29/2025

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	214959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	375570	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	340249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	175960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	145654	47.380	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	94.760%		
35) Dibromofluoromethane	7.898	113	120103	45.580	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	91.160%		
50) Toluene-d8	10.331	98	432907	46.800	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	93.600%		
62) 4-Bromofluorobenzene	12.617	95	157736	46.115	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	92.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	5038	3.550	ug/l	88
3) Chloromethane	2.253	50	5734	3.853	ug/l	90
4) Vinyl Chloride	2.405	62	6811	3.524	ug/l	98
5) Bromomethane	2.814	94	6225	3.607	ug/l #	80
6) Chloroethane	2.972	64	4959	3.643	ug/l	95
7) Trichlorofluoromethane	3.308	101	6271	3.275	ug/l	97
8) Diethyl Ether	3.722	74	5120	3.583	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.100	101	8223	3.812	ug/l	96
10) Methyl Iodide	4.307	142	11443	3.484	ug/l	96
11) Tert butyl alcohol	5.222	59	3067	16.310	ug/l #	69
12) 1,1-Dichloroethene	4.088	96	8494	3.739	ug/l	91
13) Acrolein	3.954	56	1297m	4.487	ug/l	
14) Allyl chloride	4.704	41	10559	3.272	ug/l	90
15) Acrylonitrile	5.417	53	11486	16.532	ug/l #	79
16) Acetone	4.161	43	13157	19.762	ug/l	95
17) Carbon Disulfide	4.423	76	18535	3.262	ug/l	96
18) Methyl Acetate	4.710	43	9087	4.284	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	14227	3.316	ug/l	95
20) Methylene Chloride	4.954	84	13215	4.241	ug/l	98
21) trans-1,2-Dichloroethene	5.453	96	8648	3.408	ug/l	91
22) Diisopropyl ether	6.344	45	23211	3.305	ug/l	96
23) Vinyl Acetate	6.289	43	64407	13.488	ug/l	100
24) 1,1-Dichloroethane	6.246	63	16849	3.664	ug/l	100
25) 2-Butanone	7.197	43	15296	16.213	ug/l	99
26) 2,2-Dichloropropane	7.185	77	8528	3.502	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	10564	3.421	ug/l	99
28) Bromochloromethane	7.526	49	8112	3.854	ug/l	99
29) Tetrahydrofuran	7.563	42	8262	13.781	ug/l	94
30) Chloroform	7.691	83	18010	3.431	ug/l	99
31) Cyclohexane	7.971	56	17270	4.576	ug/l #	80
32) 1,1,1-Trichloroethane	7.892	97	14047	3.665	ug/l	96
36) 1,1-Dichloropropene	8.099	75	11724	3.432	ug/l	97
37) Ethyl Acetate	7.282	43	6131	2.991	ug/l	95
38) Carbon Tetrachloride	8.087	117	12564	3.430	ug/l	97
39) Methylcyclohexane	9.349	83	12983	3.208	ug/l	96
40) Benzene	8.337	78	36269	3.434	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	3096	2.719	ug/l #	85
42) 1,2-Dichloroethane	8.410	62	12583	3.437	ug/l	96
43) Isopropyl Acetate	8.429	43	11488	2.988	ug/l	94
44) Trichloroethene	9.099	130	9809	3.693	ug/l	80
45) 1,2-Dichloropropane	9.374	63	8665	3.404	ug/l	97
46) Dibromomethane	9.465	93	6115	3.425	ug/l	94
47) Bromodichloromethane	9.654	83	13857	3.415	ug/l #	93
48) Methyl methacrylate	9.441	41	5068	2.860	ug/l	94
49) 1,4-Dioxane	9.465	88	1440	66.747	ug/l #	82
51) 4-Methyl-2-Pentanone	10.215	43	32570	15.002	ug/l	94
52) Toluene	10.392	92	23604	3.420	ug/l	97
53) t-1,3-Dichloropropene	10.611	75	10804	3.018	ug/l	100
54) cis-1,3-Dichloropropene	10.081	75	12397	3.035	ug/l	100
55) 1,1,2-Trichloroethane	10.788	97	7639	3.290	ug/l	93
56) Ethyl methacrylate	10.648	69	8685	2.926	ug/l #	94
57) 1,3-Dichloropropane	10.934	76	12745	3.278	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.928	63	23464	14.809	ug/l	100
59) 2-Hexanone	10.971	43	21563	14.281	ug/l	92
60) Dibromochloromethane	11.129	129	8017	2.853	ug/l	88
61) 1,2-Dibromoethane	11.239	107	7616	3.335	ug/l	100
64) Tetrachloroethene	10.861	164	8489	3.791	ug/l	95
65) Chlorobenzene	11.660	112	27576	3.561	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.727	131	8554	3.355	ug/l	98
67) Ethyl Benzene	11.733	91	42059	3.315	ug/l	98
68) m/p-Xylenes	11.836	106	31031	6.354	ug/l	99
69) o-Xylene	12.166	106	14228	3.080	ug/l	97
70) Styrene	12.178	104	24051	2.954	ug/l	98
71) Bromoform	12.355	173	4703	3.106	ug/l #	95
73) Isopropylbenzene	12.464	105	36232	3.031	ug/l	98
74) N-amyl acetate	12.269	43	9582	2.761	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	9284	3.268	ug/l	99
76) 1,2,3-Trichloropropane	12.769	75	7324m	3.322	ug/l	
77) Bromobenzene	12.745	156	10100	3.313	ug/l	99
78) n-propylbenzene	12.806	91	47713	3.288	ug/l	100
79) 2-Chlorotoluene	12.891	91	28620	3.225	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	30269	2.991	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	2106m	2.572	ug/l	
82) 4-Chlorotoluene	12.989	91	32194	3.389	ug/l	100
83) tert-Butylbenzene	13.202	119	26955	3.141	ug/l	96
84) 1,2,4-Trimethylbenzene	13.251	105	32024	3.058	ug/l	100
85) sec-Butylbenzene	13.379	105	38648	3.016	ug/l	98
86) p-Isopropyltoluene	13.495	119	31779	2.917	ug/l	97
87) 1,3-Dichlorobenzene	13.495	146	19736	3.215	ug/l	94
88) 1,4-Dichlorobenzene	13.574	146	22534	3.663	ug/l	95
89) n-Butylbenzene	13.818	91	33687	3.243	ug/l	94
90) Hexachloroethane	14.092	117	7147	3.586	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	19023	3.501	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.482	75	1545	3.078	ug/l	97
93) 1,2,4-Trichlorobenzene	15.129	180	11188	3.222	ug/l	99
94) Hexachlorobutadiene	15.226	225	6268	3.640	ug/l	97
95) Naphthalene	15.360	128	21858	2.782	ug/l	97
96) 1,2,3-Trichlorobenzene	15.549	180	10643	3.296	ug/l	98

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

