

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
 Data File : VW032244.D
 Acq On : 24 Sep 2025 15:25
 Operator : SY/MD
 Sample : VW0924SBSD01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
 Supervised By :Semsettin Yesilyurt 09/26/2025

Quant Time: Sep 25 08:12:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	194503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	331261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	306371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	165345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	140232	50.413	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 100.820%			
35) Dibromofluoromethane	7.904	113	116070	49.942	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 99.880%			
50) Toluene-d8	10.331	98	404527	49.582	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 99.160%			
62) 4-Bromofluorobenzene	12.617	95	152099	50.415	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 100.820%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.046	85	25635	19.962	ug/l	97
3) Chloromethane	2.259	50	25690	19.080	ug/l	98
4) Vinyl Chloride	2.405	62	34748	19.870	ug/l	97
5) Bromomethane	2.820	94	31387	20.098	ug/l	97
6) Chloroethane	2.972	64	25146	20.418	ug/l	100
7) Trichlorofluoromethane	3.308	101	32818	18.940	ug/l	87
8) Diethyl Ether	3.722	74	26469	20.470	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.106	101	38018	19.477	ug/l	98
10) Methyl Iodide	4.301	142	58480	19.676	ug/l	99
11) Tert butyl alcohol	5.222	59	16202	95.224	ug/l	96
12) 1,1-Dichloroethene	4.082	96	41114	20.000	ug/l	99
13) Acrolein	3.929	56	10564	40.391	ug/l	94
14) Allyl chloride	4.704	41	54697	18.732	ug/l	99
15) Acrylonitrile	5.405	53	63694	101.315	ug/l	99
16) Acetone	4.161	43	65609	108.908	ug/l	94
17) Carbon Disulfide	4.423	76	92406	17.973	ug/l	98
18) Methyl Acetate	4.716	43	40040	20.860	ug/l	95
19) Methyl tert-butyl Ether	5.466	73	76686	19.755	ug/l	95
20) Methylene Chloride	4.960	84	55611	19.881	ug/l	93
21) trans-1,2-Dichloroethene	5.460	96	43826	19.085	ug/l	94
22) Diisopropyl ether	6.338	45	127234	20.021	ug/l	92
23) Vinyl Acetate	6.283	43	422057	97.681	ug/l	99
24) 1,1-Dichloroethane	6.246	63	82300	19.781	ug/l	98
25) 2-Butanone	7.197	43	90276	105.752	ug/l	99
26) 2,2-Dichloropropane	7.185	77	43318	19.661	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	52812	18.899	ug/l	99
28) Bromochloromethane	7.539	49	39465	20.722	ug/l	98
29) Tetrahydrofuran	7.551	42	54420	100.320	ug/l	98
30) Chloroform	7.691	83	95881	20.185	ug/l	95
31) Cyclohexane	7.965	56	63165	18.497	ug/l #	92
32) 1,1,1-Trichloroethane	7.886	97	69962	20.176	ug/l	98
36) 1,1-Dichloropropene	8.093	75	58978	19.572	ug/l	98
37) Ethyl Acetate	7.276	43	36359	20.113	ug/l	99
38) Carbon Tetrachloride	8.087	117	63469	19.648	ug/l	98
39) Methylcyclohexane	9.343	83	64106	17.961	ug/l	94
40) Benzene	8.337	78	188904	20.280	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	18465	18.385	ug/l	96
42) 1,2-Dichloroethane	8.410	62	65907	20.410	ug/l	99
43) Isopropyl Acetate	8.441	43	65529	19.323	ug/l	97
44) Trichloroethene	9.099	130	46475	19.840	ug/l	87
45) 1,2-Dichloropropane	9.374	63	45831	20.411	ug/l	96
46) Dibromomethane	9.465	93	33201	21.081	ug/l	97
47) Bromodichloromethane	9.654	83	71257	19.910	ug/l	100
48) Methyl methacrylate	9.447	41	31287	20.019	ug/l	95
49) 1,4-Dioxane	9.459	88	8022	421.570	ug/l	99
51) 4-Methyl-2-Pentanone	10.215	43	200149	104.523	ug/l	99
52) Toluene	10.392	92	122808	20.176	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	60550	19.178	ug/l	97
54) cis-1,3-Dichloropropene	10.081	75	71020	19.714	ug/l	98
55) 1,1,2-Trichloroethane	10.794	97	41702	20.362	ug/l	93
56) Ethyl methacrylate	10.648	69	50603	19.327	ug/l	100
57) 1,3-Dichloropropane	10.934	76	69337	20.220	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	142819	102.194	ug/l	100
59) 2-Hexanone	10.971	43	142472	106.981	ug/l	97
60) Dibromochloromethane	11.135	129	49173	19.842	ug/l	96
61) 1,2-Dibromoethane	11.239	107	41036	20.376	ug/l	96
64) Tetrachloroethene	10.867	164	39831	19.753	ug/l	88
65) Chlorobenzene	11.660	112	140550	20.155	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.727	131	46119	20.088	ug/l	99
67) Ethyl Benzene	11.733	91	222371	19.463	ug/l	98
68) m/p-Xylenes	11.837	106	178060	40.493	ug/l	99
69) o-Xylene	12.166	106	80167	19.274	ug/l	98
70) Styrene	12.178	104	145535	19.849	ug/l	99
71) Bromoform	12.349	173	29154	21.381	ug/l #	97
73) Isopropylbenzene	12.464	105	206307	18.366	ug/l	99
74) N-amyl acetate	12.269	43	59343	18.196	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	53343	19.982	ug/l	97
76) 1,2,3-Trichloropropane	12.763	75	41262m	19.919	ug/l	
77) Bromobenzene	12.745	156	57052	19.917	ug/l	96
78) n-propylbenzene	12.800	91	262628	19.258	ug/l	97
79) 2-Chlorotoluene	12.891	91	156179	18.728	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	180328	18.961	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	14619	19.002	ug/l	96
82) 4-Chlorotoluene	12.989	91	167767	18.794	ug/l	97
83) tert-Butylbenzene	13.202	119	147041	18.234	ug/l	96
84) 1,2,4-Trimethylbenzene	13.251	105	186632	18.968	ug/l	98
85) sec-Butylbenzene	13.379	105	225079	18.695	ug/l	100
86) p-Isopropyltoluene	13.495	119	192452	18.796	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	109239	18.940	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	109719	18.979	ug/l	99
89) n-Butylbenzene	13.818	91	181963	18.641	ug/l	96
90) Hexachloroethane	14.092	117	35633	19.027	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	107632	21.078	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.476	75	9272	19.661	ug/l	93
93) 1,2,4-Trichlorobenzene	15.123	180	61979	18.997	ug/l	97
94) Hexachlorobutadiene	15.226	225	27323	16.886	ug/l	90
95) Naphthalene	15.360	128	137691	18.648	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	60527	19.949	ug/l	97

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

