

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091825\
 Data File : VW032195.D
 Acq On : 18 Sep 2025 11:20
 Operator : SY/MD
 Sample : VW0918SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/19/2025
 Supervised By :Semsettin Yesilyurt 09/19/2025

Quant Time: Sep 19 04:32:32 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	7.965	168	188848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	335146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	310567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	161829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	143438	53.110	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 106.220%			
35) Dibromofluoromethane	7.904	113	118302	50.312	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 100.620%			
50) Toluene-d8	10.325	98	417969	50.636	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 101.280%			
62) 4-Bromofluorobenzene	12.617	95	153242	50.205	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 100.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	29674	23.800	ug/l	95
3) Chloromethane	2.253	50	35351	27.042	ug/l	97
4) Vinyl Chloride	2.405	62	44347	26.118	ug/l	100
5) Bromomethane	2.820	94	38133	25.149	ug/l	98
6) Chloroethane	2.972	64	30754	25.719	ug/l	98
7) Trichlorofluoromethane	3.301	101	41730	24.804	ug/l	97
8) Diethyl Ether	3.722	74	31078	24.754	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.094	101	46322	24.442	ug/l	99
10) Methyl Iodide	4.307	142	60847	21.085	ug/l	99
11) Tert butyl alcohol	5.222	59	19850	120.158	ug/l	100
12) 1,1-Dichloroethene	4.076	96	47509	23.803	ug/l	94
13) Acrolein	3.935	56	15589	61.389	ug/l	99
14) Allyl chloride	4.704	41	62913	22.191	ug/l	99
15) Acrylonitrile	5.405	53	68654	112.475	ug/l	99
16) Acetone	4.167	43	87748	150.020	ug/l	100
17) Carbon Disulfide	4.423	76	105868	21.208	ug/l	99
18) Methyl Acetate	4.716	43	41660	22.354	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	83530	22.163	ug/l	100
20) Methylene Chloride	4.960	84	54620	20.161	ug/l	95
21) trans-1,2-Dichloroethene	5.460	96	48673	21.830	ug/l	91
22) Diisopropyl ether	6.344	45	141869	22.992	ug/l	96
23) Vinyl Acetate	6.289	43	490491	116.918	ug/l	100
24) 1,1-Dichloroethane	6.246	63	91118	22.557	ug/l	98
25) 2-Butanone	7.197	43	105756	127.596	ug/l	96
26) 2,2-Dichloropropane	7.185	77	48818	22.821	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	58047	21.395	ug/l	98
28) Bromochloromethane	7.532	49	41822	22.617	ug/l	95
29) Tetrahydrofuran	7.557	42	61482	116.732	ug/l	99
30) Chloroform	7.697	83	103068	22.348	ug/l	100
31) Cyclohexane	7.971	56	72182	21.771	ug/l	97
32) 1,1,1-Trichloroethane	7.892	97	73956	21.967	ug/l	99
36) 1,1-Dichloropropene	8.099	75	64684	21.217	ug/l	98
37) Ethyl Acetate	7.276	43	42124	23.032	ug/l	99
38) Carbon Tetrachloride	8.081	117	70627	21.610	ug/l	98
39) Methylcyclohexane	9.343	83	75440	20.891	ug/l	98
40) Benzene	8.337	78	202272	21.464	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	22751	22.390	ug/l	95
42) 1,2-Dichloroethane	8.416	62	73251	22.422	ug/l	100
43) Isopropyl Acetate	8.441	43	78484	22.875	ug/l	98
44) Trichloroethene	9.099	130	48595	20.505	ug/l	92
45) 1,2-Dichloropropane	9.373	63	48394	21.302	ug/l	100
46) Dibromomethane	9.465	93	37258	23.383	ug/l	87
47) Bromodichloromethane	9.654	83	76766	21.200	ug/l	99
48) Methyl methacrylate	9.447	41	35165	22.240	ug/l	96
49) 1,4-Dioxane	9.465	88	7525	390.868	ug/l #	78
51) 4-Methyl-2-Pentanone	10.215	43	223079	115.147	ug/l	98
52) Toluene	10.392	92	130284	21.156	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	69109	21.635	ug/l	95
54) cis-1,3-Dichloropropene	10.081	75	78277	21.476	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	44764	21.604	ug/l	97
56) Ethyl methacrylate	10.648	69	56992	21.515	ug/l	98
57) 1,3-Dichloropropane	10.934	76	74124	21.365	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	152902	108.141	ug/l	98
59) 2-Hexanone	10.971	43	162836	120.854	ug/l	96
60) Dibromochloromethane	11.129	129	51298	20.460	ug/l	99
61) 1,2-Dibromoethane	11.239	107	43397	21.298	ug/l	99
64) Tetrachloroethene	10.861	164	41587	20.345	ug/l	91
65) Chlorobenzene	11.660	112	144313	20.415	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.733	131	47381	20.359	ug/l	99
67) Ethyl Benzene	11.727	91	237875	20.538	ug/l	98
68) m/p-Xylenes	11.843	106	189625	42.541	ug/l	99
69) o-Xylene	12.166	106	85861	20.364	ug/l	96
70) Styrene	12.178	104	155643	20.941	ug/l	99
71) Bromoform	12.349	173	29362	21.242	ug/l	97
73) Isopropylbenzene	12.464	105	229397	20.865	ug/l	98
74) N-amyl acetate	12.269	43	70151	21.978	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.714	83	57410	21.973	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	42799m	21.110	ug/l	
77) Bromobenzene	12.745	156	57062	20.353	ug/l	96
78) n-propylbenzene	12.800	91	283190	21.216	ug/l	97
79) 2-Chlorotoluene	12.891	91	167718	20.548	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	197365	21.203	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.507	75	15984	21.227	ug/l	94
82) 4-Chlorotoluene	12.989	91	179891	20.590	ug/l	97
83) tert-Butylbenzene	13.202	119	160903	20.387	ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	196873	20.443	ug/l	98
85) sec-Butylbenzene	13.379	105	243943	20.702	ug/l	98
86) p-Isopropyltoluene	13.495	119	209160	20.872	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	113194	20.052	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	118628	20.966	ug/l	97
89) n-Butylbenzene	13.818	91	197458	20.668	ug/l	97
90) Hexachloroethane	14.086	117	38158	20.817	ug/l	90
91) 1,2-Dichlorobenzene	13.867	146	104975	21.004	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.476	75	10342	22.406	ug/l	90
93) 1,2,4-Trichlorobenzene	15.129	180	60239	18.865	ug/l	99
94) Hexachlorobutadiene	15.226	225	28977	18.297	ug/l	98
95) Naphthalene	15.360	128	145985	20.201	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	60090	20.235	ug/l	99

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

