

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
 Data File : VW031989.D
 Acq On : 04 Aug 2025 10:20
 Operator : SY/MD
 Sample : VW0804SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0804SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
 Supervised By :Semsettin Yesilyurt 08/05/2025

Quant Time: Aug 05 01:14:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	212167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	385271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	349774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	170576	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	169564	52.831	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 105.660%			
35) Dibromofluoromethane	7.904	113	146436	55.935	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 111.860%			
50) Toluene-d8	10.325	98	550944	55.605	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 111.200%			
62) 4-Bromofluorobenzene	12.617	95	212555	55.869	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 111.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	27329	17.331	ug/l	98
3) Chloromethane	2.253	50	39680	19.605	ug/l	97
4) Vinyl Chloride	2.405	62	46409	17.652	ug/l	97
5) Bromomethane	2.820	94	36463	18.834	ug/l	91
6) Chloroethane	2.966	64	34529	19.899	ug/l	99
7) Trichlorofluoromethane	3.302	101	40314	15.139	ug/l	94
8) Diethyl Ether	3.716	74	32241	18.125	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.100	101	50668	19.782	ug/l	96
10) Methyl Iodide	4.308	142	72753	18.998	ug/l	98
11) Tert butyl alcohol	5.210	59	18269	96.835	ug/l #	86
12) 1,1-Dichloroethene	4.070	96	53822	19.025	ug/l	95
13) Acrolein	3.930	56	14391	46.904	ug/l	97
14) Allyl chloride	4.704	41	82355	18.700	ug/l	99
15) Acrylonitrile	5.405	53	74121	93.204	ug/l	100
16) Acetone	4.167	43	92848	121.910	ug/l	100
17) Carbon Disulfide	4.417	76	136161	18.558	ug/l	98
18) Methyl Acetate	4.704	43	41583	19.818	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	97032	19.851	ug/l	97
20) Methylene Chloride	4.954	84	64153	16.584	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	57319	19.096	ug/l	96
22) Diisopropyl ether	6.338	45	172318	19.554	ug/l	98
23) Vinyl Acetate	6.283	43	531605	92.336	ug/l	99
24) 1,1-Dichloroethane	6.246	63	107640	19.618	ug/l	99
25) 2-Butanone	7.197	43	108535	104.155	ug/l	97
26) 2,2-Dichloropropane	7.185	77	59289	19.087	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	68826	19.504	ug/l	99
28) Bromochloromethane	7.526	49	45634	19.865	ug/l	98
29) Tetrahydrofuran	7.551	42	61996	90.744	ug/l	99
30) Chloroform	7.697	83	117366	20.401	ug/l	95
31) Cyclohexane	7.972	56	88545	17.988	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	88389	20.191	ug/l	95
36) 1,1-Dichloropropene	8.100	75	79810	19.851	ug/l	99
37) Ethyl Acetate	7.277	43	42860	18.688	ug/l	99
38) Carbon Tetrachloride	8.081	117	77445	20.071	ug/l	99
39) Methylcyclohexane	9.343	83	93717	18.523	ug/l	97
40) Benzene	8.331	78	242440	20.371	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	25737	18.746	ug/l	95
42) 1,2-Dichloroethane	8.410	62	76204	20.006	ug/l	98
43) Isopropyl Acetate	8.435	43	77055	18.558	ug/l	99
44) Trichloroethene	9.099	130	57832	20.443	ug/l	97
45) 1,2-Dichloropropane	9.374	63	57900	20.201	ug/l	99
46) Dibromomethane	9.465	93	36063	20.297	ug/l	98
47) Bromodichloromethane	9.648	83	87948	20.643	ug/l	97
48) Methyl methacrylate	9.441	41	36741	18.600	ug/l	98
49) 1,4-Dioxane	9.465	88	8243	464.942	ug/l #	86
51) 4-Methyl-2-Pentanone	10.215	43	217393	95.672	ug/l	99
52) Toluene	10.392	92	154561	20.202	ug/l	97
53) t-1,3-Dichloropropene	10.611	75	79291	19.401	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	94470	20.241	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	47999	20.338	ug/l	95
56) Ethyl methacrylate	10.648	69	63067	18.921	ug/l	98
57) 1,3-Dichloropropane	10.934	76	83414	20.062	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	165236	96.510	ug/l	98
59) 2-Hexanone	10.971	43	156530	99.104	ug/l	99
60) Dibromochloromethane	11.129	129	56702	20.606	ug/l	97
61) 1,2-Dibromoethane	11.233	107	45932	19.696	ug/l	95
64) Tetrachloroethene	10.861	164	47201	20.468	ug/l #	82
65) Chlorobenzene	11.660	112	167687	19.588	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.733	131	53288	20.079	ug/l	98
67) Ethyl Benzene	11.733	91	290411	19.308	ug/l	94
68) m/p-Xylenes	11.837	106	223663	39.501	ug/l	99
69) o-Xylene	12.166	106	105502	19.689	ug/l	98
70) Styrene	12.178	104	184175	20.187	ug/l	98
71) Bromoform	12.349	173	28030	19.312	ug/l #	96
73) Isopropylbenzene	12.465	105	272143	18.388	ug/l	99
74) N-amyl acetate	12.270	43	70193	17.543	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	58156	18.512	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	42807m	18.177	ug/l	
77) Bromobenzene	12.745	156	64098	20.016	ug/l	88
78) n-propylbenzene	12.800	91	338399	18.616	ug/l	98
79) 2-Chlorotoluene	12.891	91	203033	18.707	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	224663	18.099	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	16672	16.344	ug/l	91
82) 4-Chlorotoluene	12.983	91	216191	18.988	ug/l	100
83) tert-Butylbenzene	13.202	119	198880	18.810	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	227134	18.079	ug/l	95
85) sec-Butylbenzene	13.379	105	288056	18.141	ug/l	98
86) p-Isopropyltoluene	13.495	119	241954	18.436	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	128413	19.264	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	126546	19.379	ug/l	98
89) n-Butylbenzene	13.818	91	234020	18.177	ug/l	99
90) Hexachloroethane	14.086	117	42519	18.736	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	116699	19.754	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	9814	17.291	ug/l	96
93) 1,2,4-Trichlorobenzene	15.129	180	70374	19.753	ug/l	92
94) Hexachlorobutadiene	15.226	225	30332	17.967	ug/l	94
95) Naphthalene	15.360	128	155462	17.749	ug/l	98
96) 1,2,3-Trichlorobenzene	15.549	180	60864	18.855	ug/l	95

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

