

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092225\
 Data File : VW032223.D
 Acq On : 22 Sep 2025 08:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 23 10:28:18 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	201565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	338923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	319016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	160129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	136773	47.447	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	94.900%		
35) Dibromofluoromethane	7.898	113	116527	49.005	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	98.000%		
50) Toluene-d8	10.325	98	400288	47.953	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	95.900%		
62) 4-Bromofluorobenzene	12.617	95	147232	47.698	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	95.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	57865	43.482	ug/l	100
3) Chloromethane	2.253	50	67935	48.689	ug/l	98
4) Vinyl Chloride	2.405	62	95701	52.807	ug/l	98
5) Bromomethane	2.826	94	79900	49.371	ug/l	100
6) Chloroethane	2.972	64	68333	53.541	ug/l	99
7) Trichlorofluoromethane	3.308	101	104590	58.246	ug/l	92
8) Diethyl Ether	3.722	74	62205	46.421	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	102582	50.713	ug/l	97
10) Methyl Iodide	4.308	142	149293	48.471	ug/l	99
11) Tert butyl alcohol	5.216	59	37015	209.926	ug/l	98
12) 1,1-Dichloroethene	4.076	96	107309	50.373	ug/l	94
13) Acrolein	3.930	56	10958	40.430	ug/l	90
14) Allyl chloride	4.704	41	147896	48.876	ug/l	99
15) Acrylonitrile	5.405	53	154080	236.502	ug/l	98
16) Acetone	4.161	43	153256	245.486	ug/l	99
17) Carbon Disulfide	4.423	76	245062	45.994	ug/l	99
18) Methyl Acetate	4.716	43	108442	54.518	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	196919	48.951	ug/l	98
20) Methylene Chloride	4.960	84	117308	45.426	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	112076	47.095	ug/l	91
22) Diisopropyl ether	6.344	45	334231	50.750	ug/l	97
23) Vinyl Acetate	6.283	43	1045709	233.539	ug/l	100
24) 1,1-Dichloroethane	6.246	63	206995	48.010	ug/l	98
25) 2-Butanone	7.197	43	208486	235.671	ug/l	98
26) 2,2-Dichloropropane	7.191	77	123082	53.907	ug/l	99
27) cis-1,2-Dichloroethene	7.197	96	134957	46.604	ug/l	98
28) Bromochloromethane	7.533	49	100484	50.912	ug/l	96
29) Tetrahydrofuran	7.551	42	135394	240.845	ug/l	98
30) Chloroform	7.691	83	237451	48.237	ug/l	98
31) Cyclohexane	7.972	56	160596	45.381	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	180474	50.223	ug/l	100
36) 1,1-Dichloropropene	8.100	75	154132	49.993	ug/l	99
37) Ethyl Acetate	7.277	43	88890	48.061	ug/l	99
38) Carbon Tetrachloride	8.081	117	167520	50.685	ug/l	96
39) Methylcyclohexane	9.343	83	177919	48.722	ug/l	98
40) Benzene	8.337	78	467092	49.012	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	48455	47.156	ug/l	98
42) 1,2-Dichloroethane	8.410	62	159924	48.406	ug/l	100
43) Isopropyl Acetate	8.435	43	165935	47.824	ug/l	99
44) Trichloroethene	9.105	130	110440	46.081	ug/l	88
45) 1,2-Dichloropropane	9.374	63	111903	48.709	ug/l	100
46) Dibromomethane	9.471	93	78704	48.843	ug/l	93
47) Bromodichloromethane	9.654	83	181118	49.462	ug/l	98
48) Methyl methacrylate	9.441	41	79113	49.476	ug/l	98
49) 1,4-Dioxane	9.465	88	18128	931.121	ug/l #	81
51) 4-Methyl-2-Pentanone	10.215	43	487606	248.883	ug/l	99
52) Toluene	10.392	92	304670	48.921	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	161622	50.033	ug/l	98
54) cis-1,3-Dichloropropene	10.081	75	183776	49.859	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	101971	48.665	ug/l	97
56) Ethyl methacrylate	10.648	69	132007	49.278	ug/l	99
57) 1,3-Dichloropropane	10.934	76	169483	48.306	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	384960	269.232	ug/l	100
59) 2-Hexanone	10.971	43	347938	255.356	ug/l	97
60) Dibromochloromethane	11.129	129	123643	48.765	ug/l	95
61) 1,2-Dibromoethane	11.233	107	97655	47.392	ug/l	100
64) Tetrachloroethene	10.861	164	95038	45.264	ug/l	92
65) Chlorobenzene	11.660	112	337525	46.483	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.733	131	118520	49.577	ug/l	100
67) Ethyl Benzene	11.733	91	578447	48.621	ug/l	95
68) m/p-Xylenes	11.837	106	445188	97.229	ug/l	97
69) o-Xylene	12.166	106	212938	49.166	ug/l	96
70) Styrene	12.178	104	374120	49.003	ug/l	99
71) Bromoform	12.349	173	68336	48.129	ug/l #	97
73) Isopropylbenzene	12.465	105	545785	50.170	ug/l	100
74) N-amyl acetate	12.270	43	152061	48.145	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.715	83	126561	48.954	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	108146m	53.909	ug/l	
77) Bromobenzene	12.745	156	132772	47.861	ug/l	98
78) n-propylbenzene	12.800	91	703032	53.230	ug/l	96
79) 2-Chlorotoluene	12.891	91	397880	49.264	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	462318	50.195	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	38724	51.973	ug/l	97
82) 4-Chlorotoluene	12.983	91	424959	49.156	ug/l	99
83) tert-Butylbenzene	13.202	119	399646	51.174	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	480892	50.466	ug/l	99
85) sec-Butylbenzene	13.379	105	606190	51.989	ug/l	97
86) p-Isopropyltoluene	13.495	119	496375	50.059	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	260788	46.689	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	272417	48.657	ug/l	94
89) n-Butylbenzene	13.818	91	490976	51.936	ug/l	98
90) Hexachloroethane	14.086	117	90805	50.065	ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	241854	48.905	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.476	75	21300	46.636	ug/l	95
93) 1,2,4-Trichlorobenzene	15.129	180	143832	45.522	ug/l	96
94) Hexachlorobutadiene	15.232	225	66097	42.180	ug/l	93
95) Naphthalene	15.360	128	337166	47.151	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	136642	46.501	ug/l	97

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

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