

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091925\
 Data File : VW032221.D
 Acq On : 19 Sep 2025 17:17
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 19 23:13:21 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

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/22/2025
 Supervised By : Mahesh Dadoda 09/22/2025

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	185005	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	325048	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	308824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	152566	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	138892	52.495	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 104.980%			
35) Dibromofluoromethane	7.898	113	116945	51.280	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 102.560%			
50) Toluene-d8	10.325	98	406688	50.800	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 101.600%			
62) 4-Bromofluorobenzene	12.617	95	149722	50.575	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 101.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.040	85	52923	43.328	ug/l	88
3) Chloromethane	2.259	50	63143	49.305	ug/l	96
4) Vinyl Chloride	2.405	62	95231	57.251	ug/l	99
5) Bromomethane	2.826	94	78851	53.084	ug/l	98
6) Chloroethane	2.972	64	63394	54.117	ug/l	97
7) Trichlorofluoromethane	3.308	101	89338	54.206	ug/l	90
8) Diethyl Ether	3.722	74	62648	50.936	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.100	101	98500	53.053	ug/l	98
10) Methyl Iodide	4.307	142	153111	54.160	ug/l	98
11) Tert butyl alcohol	5.216	59	38739	239.370	ug/l	99
12) 1,1-Dichloroethene	4.076	96	101491	51.906	ug/l	99
13) Acrolein	3.936	56	11992	48.205	ug/l	98
14) Allyl chloride	4.710	41	144825	52.145	ug/l	99
15) Acrylonitrile	5.405	53	159932	267.457	ug/l	100
16) Acetone	4.161	43	129100	225.303	ug/l	97
17) Carbon Disulfide	4.423	76	236700	48.401	ug/l	100
18) Methyl Acetate	4.710	43	116246	63.672	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	204734	55.450	ug/l	96
20) Methylene Chloride	4.960	84	137369	59.759	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	112657	51.577	ug/l	93
22) Diisopropyl ether	6.344	45	339933	56.236	ug/l	97
23) Vinyl Acetate	6.283	43	1076028	261.821	ug/l	98
24) 1,1-Dichloroethane	6.252	63	209845	53.027	ug/l	99
25) 2-Butanone	7.197	43	214105	263.686	ug/l	98
26) 2,2-Dichloropropane	7.191	77	110996	52.965	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	139101	52.335	ug/l	98
28) Bromochloromethane	7.533	49	100465	55.458	ug/l	95
29) Tetrahydrofuran	7.551	42	139548	270.454	ug/l	100
30) Chloroform	7.697	83	242483	53.668	ug/l	98
31) Cyclohexane	7.971	56	156566	48.203	ug/l	96
32) 1,1,1-Trichloroethane	7.892	97	175499	53.210	ug/l	99
36) 1,1-Dichloropropene	8.099	75	151974	51.397	ug/l	99
37) Ethyl Acetate	7.276	43	91051	51.331	ug/l	98
38) Carbon Tetrachloride	8.081	117	159624	50.358	ug/l	97
39) Methylcyclohexane	9.343	83	181282	51.761	ug/l	99
40) Benzene	8.337	78	471347	51.569	ug/l	96

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41) Methacrylonitrile	7.502	41	51579	52.338	ug/l	96
42) 1,2-Dichloroethane	8.410	62	164896	52.042	ug/l	99
43) Isopropyl Acetate	8.435	43	175365	52.699	ug/l	99
44) Trichloroethene	9.105	130	115002	50.033	ug/l	88
45) 1,2-Dichloropropane	9.374	63	114040	51.758	ug/l	97
46) Dibromomethane	9.465	93	80230	51.916	ug/l	95
47) Bromodichloromethane	9.654	83	183075	52.130	ug/l	98
48) Methyl methacrylate	9.441	41	82518	53.809	ug/l	97
49) 1,4-Dioxane	9.471	88	19331	1035.295	ug/l	97
51) 4-Methyl-2-Pentanone	10.215	43	513245	273.152	ug/l	98
52) Toluene	10.392	92	301649	50.504	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	160783	51.897	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	182449	51.612	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	103675	51.590	ug/l	96
56) Ethyl methacrylate	10.648	69	138950	54.084	ug/l	99
57) 1,3-Dichloropropane	10.934	76	176488	52.450	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	356261	259.796	ug/l	99
59) 2-Hexanone	10.971	43	360959	276.221	ug/l	98
60) Dibromochloromethane	11.129	129	124048	51.013	ug/l	97
61) 1,2-Dibromoethane	11.239	107	102023	51.626	ug/l	95
64) Tetrachloroethene	10.867	164	92432	45.475	ug/l	88
65) Chlorobenzene	11.660	112	344439	49.001	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.733	131	113791	49.170	ug/l	99
67) Ethyl Benzene	11.733	91	589833	51.214	ug/l	100
68) m/p-Xylenes	11.837	106	446636	100.765	ug/l	96
69) o-Xylene	12.166	106	212396	50.659	ug/l	98
70) Styrene	12.178	104	388035	52.503	ug/l	98
71) Bromoform	12.343	173	67381	49.023	ug/l #	96
73) Isopropylbenzene	12.465	105	539996	52.099	ug/l	99
74) N-amyl acetate	12.269	43	160490	53.333	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	129776	52.686	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	94881m	49.641	ug/l	
77) Bromobenzene	12.745	156	133828	50.633	ug/l	96
78) n-propylbenzene	12.800	91	683657	54.329	ug/l	98
79) 2-Chlorotoluene	12.891	91	409036	53.156	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	466537	53.164	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.513	75	36303	51.139	ug/l	98
82) 4-Chlorotoluene	12.989	91	420052	50.997	ug/l	99
83) tert-Butylbenzene	13.202	119	401216	53.922	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	489647	53.932	ug/l	97
85) sec-Butylbenzene	13.379	105	593332	53.409	ug/l	98
86) p-Isopropyltoluene	13.495	119	501243	53.056	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	266531	50.082	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	272422	51.069	ug/l	96
89) n-Butylbenzene	13.818	91	490637	54.473	ug/l	97
90) Hexachloroethane	14.092	117	88442	51.180	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	240373	51.015	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	22312	51.274	ug/l	91
93) 1,2,4-Trichlorobenzene	15.129	180	153901	51.123	ug/l	95
94) Hexachlorobutadiene	15.226	225	63052	42.231	ug/l	92
95) Naphthalene	15.360	128	358500	52.620	ug/l	98
96) 1,2,3-Trichlorobenzene	15.549	180	135332	48.339	ug/l	99

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

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