

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080525\
 Data File : VW032004.D
 Acq On : 05 Aug 2025 09:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 06 03:50:12 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/06/2025
 Supervised By :Semsettin Yesilyurt 08/06/2025

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

Internal Standards						
1) Pentafluorobenzene	7.953	168	203098	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	376001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	340179	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	156766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	160860	52.357	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 104.720%			
35) Dibromofluoromethane	7.898	113	142065	55.603	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 111.200%			
50) Toluene-d8	10.325	98	529417	54.750	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 109.500%			
62) 4-Bromofluorobenzene	12.617	95	194285	52.325	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 104.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	80990	53.654	ug/l	99
3) Chloromethane	2.253	50	113108	58.381	ug/l	100
4) Vinyl Chloride	2.405	62	139782	55.541	ug/l	99
5) Bromomethane	2.820	94	106251	57.331	ug/l	99
6) Chloroethane	2.966	64	97332	58.597	ug/l	97
7) Trichlorofluoromethane	3.302	101	125813	49.356	ug/l	97
8) Diethyl Ether	3.716	74	90355	53.064	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	140920	57.475	ug/l	99
10) Methyl Iodide	4.307	142	203190	55.427	ug/l	99
11) Tert butyl alcohol	5.210	59	45823	253.731	ug/l	99
12) 1,1-Dichloroethene	4.076	96	155170	57.298	ug/l	92
13) Acrolein	3.929	56	14090	48.191	ug/l	95
14) Allyl chloride	4.704	41	232036	55.040	ug/l	99
15) Acrylonitrile	5.399	53	201710	264.967	ug/l	98
16) Acetone	4.155	43	184491	253.054	ug/l	99
17) Carbon Disulfide	4.411	76	411010	58.519	ug/l	100
18) Methyl Acetate	4.704	43	120338	59.912	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	268733	57.432	ug/l	99
20) Methylene Chloride	4.948	84	167445	54.081	ug/l	97
21) trans-1,2-Dichloroethene	5.447	96	161396	56.170	ug/l	96
22) Diisopropyl ether	6.338	45	475165	56.328	ug/l	97
23) Vinyl Acetate	6.277	43	1465126	265.845	ug/l	99
24) 1,1-Dichloroethane	6.240	63	299750	57.071	ug/l	99
25) 2-Butanone	7.191	43	249315	249.937	ug/l	96
26) 2,2-Dichloropropane	7.185	77	165063	55.512	ug/l	96
27) cis-1,2-Dichloroethene	7.191	96	191482	56.685	ug/l	98
28) Bromochloromethane	7.532	49	107604	48.932	ug/l	93
29) Tetrahydrofuran	7.551	42	172660	264.008	ug/l	99
30) Chloroform	7.691	83	316604	57.492	ug/l	99
31) Cyclohexane	7.971	56	253093	53.713	ug/l	99
32) 1,1,1-Trichloroethane	7.880	97	242965	57.980	ug/l	97
36) 1,1-Dichloropropene	8.093	75	221539	56.461	ug/l	99
37) Ethyl Acetate	7.270	43	113950	50.909	ug/l	99
38) Carbon Tetrachloride	8.075	117	215801	57.308	ug/l	97
39) Methylcyclohexane	9.343	83	274396	55.570	ug/l	99
40) Benzene	8.331	78	675398	58.149	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	62274	46.477	ug/l #	88
42) 1,2-Dichloroethane	8.410	62	206698	55.604	ug/l	99
43) Isopropyl Acetate	8.435	43	209988	51.822	ug/l	99
44) Trichloroethene	9.099	130	156767	56.783	ug/l	99
45) 1,2-Dichloropropane	9.374	63	159808	57.129	ug/l	99
46) Dibromomethane	9.465	93	97677	56.330	ug/l	99
47) Bromodichloromethane	9.648	83	237992	57.237	ug/l	98
48) Methyl methacrylate	9.441	41	102642	53.243	ug/l	98
49) 1,4-Dioxane	9.465	88	20985	1212.829	ug/l #	80
51) 4-Methyl-2-Pentanone	10.209	43	587322	264.846	ug/l	99
52) Toluene	10.392	92	436639	58.479	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	222518	55.789	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	258544	56.761	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	130735	56.759	ug/l	94
56) Ethyl methacrylate	10.648	69	177173	54.464	ug/l	99
57) 1,3-Dichloropropane	10.934	76	224182	55.247	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	404321	241.976	ug/l	98
59) 2-Hexanone	10.971	43	397318	257.756	ug/l	99
60) Dibromochloromethane	11.129	129	161096	59.987	ug/l	96
61) 1,2-Dibromoethane	11.239	107	127325	55.943	ug/l	100
64) Tetrachloroethene	10.861	164	126512	56.407	ug/l #	83
65) Chlorobenzene	11.654	112	450077	54.059	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.733	131	147342	57.086	ug/l	97
67) Ethyl Benzene	11.727	91	807778	55.220	ug/l	100
68) m/p-Xylenes	11.837	106	636315	115.549	ug/l	95
69) o-Xylene	12.166	106	292525	56.130	ug/l	100
70) Styrene	12.178	104	519097	58.502	ug/l	98
71) Bromoform	12.349	173	82167	58.209	ug/l #	95
73) Isopropylbenzene	12.465	105	745339	54.796	ug/l	99
74) N-amyl acetate	12.269	43	190726	51.867	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	155765	53.950	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	114312m	52.815	ug/l	
77) Bromobenzene	12.745	156	174451	59.276	ug/l	86
78) n-propylbenzene	12.800	91	934498	55.939	ug/l	99
79) 2-Chlorotoluene	12.891	91	552539	55.396	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	614693	53.883	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	49448	52.745	ug/l	98
82) 4-Chlorotoluene	12.983	91	578547	55.289	ug/l	99
83) tert-Butylbenzene	13.202	119	542901	55.870	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	649858	56.282	ug/l	100
85) sec-Butylbenzene	13.379	105	800994	54.890	ug/l	99
86) p-Isopropyltoluene	13.495	119	654975	54.302	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	345960	56.472	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	326709	54.440	ug/l	100
89) n-Butylbenzene	13.818	91	645781	54.578	ug/l	98
90) Hexachloroethane	14.086	117	113320	54.332	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	305455	56.261	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.476	75	26276	50.374	ug/l	97
93) 1,2,4-Trichlorobenzene	15.129	180	173246	52.911	ug/l	97
94) Hexachlorobutadiene	15.226	225	81337	52.424	ug/l	99
95) Naphthalene	15.354	128	425814	52.897	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	160439	54.081	ug/l	98

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

