

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
 Data File : VW031894.D
 Acq On : 22 Jul 2025 10:39
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/24/2025
 Supervised By : Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:02:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 07:57:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	225122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	418592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	358393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	168778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	159650	46.880	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	93.760%		
35) Dibromofluoromethane	7.904	113	136603	48.025	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	96.060%		
50) Toluene-d8	10.325	98	512311	47.590	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	95.180%		
62) 4-Bromofluorobenzene	12.617	95	192744	46.629	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	93.260%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.046	85	80644	48.198	ug/l	100
3) Chloromethane	2.259	50	97775	45.529	ug/l	100
4) Vinyl Chloride	2.411	62	138448	49.629	ug/l	100
5) Bromomethane	2.832	94	97813	47.615	ug/l	100
6) Chloroethane	2.978	64	88298	47.958	ug/l	100
7) Trichlorofluoromethane	3.314	101	152835	54.091	ug/l	100
8) Diethyl Ether	3.728	74	87596	46.411	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.112	101	132678	48.819	ug/l	100
10) Methyl Iodide	4.307	142	194830	47.947	ug/l	100
11) Tert butyl alcohol	5.222	59	48976	244.659	ug/l	100
12) 1,1-Dichloroethene	4.076	96	145251	48.388	ug/l	100
13) Acrolein	3.942	56	59249	217.217	ug/l	100
14) Allyl chloride	4.710	41	227564	48.698	ug/l	100
15) Acrylonitrile	5.405	53	205004	242.948	ug/l	100
16) Acetone	4.167	43	186627	230.941	ug/l	100
17) Carbon Disulfide	4.423	76	381111	48.954	ug/l	100
18) Methyl Acetate	4.716	43	106992	48.056	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	254734	49.114	ug/l	100
20) Methylene Chloride	4.954	84	170144	49.149	ug/l	100
21) trans-1,2-Dichloroethene	5.466	96	155488	48.820	ug/l	100
22) Diisopropyl ether	6.344	45	465380	49.771	ug/l	100
23) Vinyl Acetate	6.289	43	1525293	249.686	ug/l	100
24) 1,1-Dichloroethane	6.246	63	284373	48.847	ug/l	100
25) 2-Butanone	7.191	43	266059	240.629	ug/l	100
26) 2,2-Dichloropropane	7.191	77	166236	50.437	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	185527	49.549	ug/l	100
28) Bromochloromethane	7.532	49	118407	48.577	ug/l	100
29) Tetrahydrofuran	7.557	42	179179	247.172	ug/l	100
30) Chloroform	7.691	83	295801	48.459	ug/l	100
31) Cyclohexane	7.971	56	247509	47.389	ug/l	100
32) 1,1,1-Trichloroethane	7.886	97	227418	48.961	ug/l	100
36) 1,1-Dichloropropene	8.099	75	213142	48.794	ug/l	100
37) Ethyl Acetate	7.276	43	123663	49.627	ug/l	100
38) Carbon Tetrachloride	8.081	117	206216	49.190	ug/l	100
39) Methylcyclohexane	9.343	83	274858	50.000	ug/l	100
40) Benzene	8.337	78	636145	49.197	ug/l	100

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41) Methacrylonitrile	7.502	41	75019	51.112	ug/l	100
42) 1,2-Dichloroethane	8.416	62	200964	48.561	ug/l	100
43) Isopropyl Acetate	8.435	43	222170	49.250	ug/l	100
44) Trichloroethene	9.105	130	151736	49.368	ug/l	100
45) 1,2-Dichloropropane	9.374	63	150788	48.420	ug/l	100
46) Dibromomethane	9.465	93	94479	48.942	ug/l	100
47) Bromodichloromethane	9.648	83	223852	48.359	ug/l	100
48) Methyl methacrylate	9.441	41	107066	49.887	ug/l	100
49) 1,4-Dioxane	9.465	88	21855	1134.591	ug/l	100
51) 4-Methyl-2-Pentanone	10.215	43	617526	250.133	ug/l	100
52) Toluene	10.392	92	409807	49.301	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	218411	49.187	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	251812	49.658	ug/l	100
55) 1,1,2-Trichloroethane	10.788	97	125532	48.955	ug/l	100
56) Ethyl methacrylate	10.648	69	184989	51.081	ug/l	100
57) 1,3-Dichloropropane	10.934	76	223219	49.412	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	466986	251.042	ug/l	100
59) 2-Hexanone	10.971	43	430358	250.784	ug/l	100
60) Dibromochloromethane	11.135	129	147041	49.183	ug/l	100
61) 1,2-Dibromoethane	11.233	107	124264	49.043	ug/l	100
64) Tetrachloroethene	10.867	164	116190	49.172	ug/l	100
65) Chlorobenzene	11.660	112	445905	50.836	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.733	131	135280	49.749	ug/l	100
67) Ethyl Benzene	11.733	91	797666	51.758	ug/l	100
68) m/p-Xylenes	11.836	106	590027	101.698	ug/l	100
69) o-Xylene	12.166	106	285328	51.967	ug/l	100
70) Styrene	12.178	104	487647	52.165	ug/l	100
71) Bromoform	12.349	173	78409	52.724	ug/l #	100
73) Isopropylbenzene	12.464	105	743506	50.771	ug/l	100
74) N-amyl acetate	12.269	43	201296	50.845	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.714	83	154182	49.601	ug/l	100
76) 1,2,3-Trichloropropane	12.769	75	116529m	50.431	ug/l	100
77) Bromobenzene	12.745	156	153362	48.402	ug/l	100
78) n-propylbenzene	12.800	91	899940	50.036	ug/l	100
79) 2-Chlorotoluene	12.891	91	528504	49.215	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	606401	49.373	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	50710	50.242	ug/l	100
82) 4-Chlorotoluene	12.983	91	553292	49.113	ug/l	100
83) tert-Butylbenzene	13.202	119	519792	49.685	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	621979	50.033	ug/l	100
85) sec-Butylbenzene	13.379	105	779564	49.619	ug/l	100
86) p-Isopropyltoluene	13.495	119	648382	49.930	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	322462	48.890	ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	307895	47.653	ug/l	100
89) n-Butylbenzene	13.818	91	645926	50.705	ug/l	100
90) Hexachloroethane	14.086	117	108580	48.355	ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	283107	48.433	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.482	75	27088	48.235	ug/l	100
93) 1,2,4-Trichlorobenzene	15.129	180	166119	47.124	ug/l	100
94) Hexachlorobutadiene	15.226	225	82516	49.399	ug/l	100
95) Naphthalene	15.360	128	427849	49.367	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	157823	49.413	ug/l	100

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

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