

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
 Data File : VW032144.D
 Acq On : 26 Aug 2025 12:34
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
 Supervised By :Semsettin Yesilyurt 08/27/2025

Quant Time: Aug 27 03:52:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 03:44:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	208118	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	338131	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	317089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	162433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	145059	48.737	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	97.480%		
35) Dibromofluoromethane	7.904	113	121603	51.259	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	102.520%		
50) Toluene-d8	10.325	98	446917	53.665	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	107.320%		
62) 4-Bromofluorobenzene	12.617	95	165434	53.721	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	107.440%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.046	85	64903	47.235	ug/l	100
3) Chloromethane	2.253	50	70725	49.092	ug/l	100
4) Vinyl Chloride	2.405	62	92327	49.341	ug/l	100
5) Bromomethane	2.826	94	77836	46.581	ug/l	100
6) Chloroethane	2.972	64	65951	50.047	ug/l	100
7) Trichlorofluoromethane	3.308	101	100093	53.987	ug/l	100
8) Diethyl Ether	3.716	74	66743	48.239	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.106	101	105179	50.359	ug/l	100
10) Methyl Iodide	4.314	142	155738	48.971	ug/l	100
11) Tert butyl alcohol	5.222	59	45982	252.570	ug/l	100
12) 1,1-Dichloroethene	4.076	96	111585	50.731	ug/l	100
13) Acrolein	3.930	56	69005	246.578	ug/l	100
14) Allyl chloride	4.704	41	159912	51.183	ug/l	100
15) Acrylonitrile	5.405	53	170186	252.998	ug/l	100
16) Acetone	4.161	43	163328	253.381	ug/l	100
17) Carbon Disulfide	4.423	76	283127	51.465	ug/l	100
18) Methyl Acetate	4.710	43	107266	52.228	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	218656	52.643	ug/l	100
20) Methylene Chloride	4.960	84	133315	50.616	ug/l	100
21) trans-1,2-Dichloroethene	5.460	96	126813	51.610	ug/l	100
22) Diisopropyl ether	6.344	45	356506	52.428	ug/l	100
23) Vinyl Acetate	6.283	43	1224420	264.840	ug/l	100
24) 1,1-Dichloroethane	6.246	63	229381	51.526	ug/l	100
25) 2-Butanone	7.191	43	235692	258.036	ug/l	100
26) 2,2-Dichloropropane	7.185	77	126530	53.672	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	153797	51.438	ug/l	100
28) Bromochloromethane	7.533	49	101158	49.639	ug/l	100
29) Tetrahydrofuran	7.551	42	148114	255.176	ug/l	100
30) Chloroform	7.697	83	260062	51.166	ug/l	100
31) Cyclohexane	7.971	56	179436	49.109	ug/l	100
32) 1,1,1-Trichloroethane	7.886	97	190783	51.420	ug/l	100
36) 1,1-Dichloropropene	8.100	75	171538	55.769	ug/l	100
37) Ethyl Acetate	7.277	43	99961	54.174	ug/l	100
38) Carbon Tetrachloride	8.087	117	184303	55.894	ug/l	100
39) Methylcyclohexane	9.343	83	208587	57.253	ug/l	100
40) Benzene	8.337	78	515814	54.251	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	53321	52.013	ug/l	100
42) 1,2-Dichloroethane	8.410	62	177239	53.773	ug/l	100
43) Isopropyl Acetate	8.435	43	190866	55.138	ug/l	100
44) Trichloroethene	9.099	130	126501	52.906	ug/l	100
45) 1,2-Dichloropropane	9.374	63	125073	54.569	ug/l	100
46) Dibromomethane	9.465	93	84274	52.422	ug/l	100
47) Bromodichloromethane	9.648	83	200589	54.907	ug/l	100
48) Methyl methacrylate	9.441	41	91758	57.519	ug/l	100
49) 1,4-Dioxane	9.459	88	21076	1085.077	ug/l	100
51) 4-Methyl-2-Pentanone	10.215	43	535156	273.793	ug/l	100
52) Toluene	10.392	92	341497	54.963	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	181844	56.425	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	207161	56.335	ug/l	100
55) 1,1,2-Trichloroethane	10.788	97	108836	52.063	ug/l	100
56) Ethyl methacrylate	10.648	69	153187	57.318	ug/l	100
57) 1,3-Dichloropropane	10.934	76	186943	53.407	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	376622	264.017	ug/l	100
59) 2-Hexanone	10.971	43	377468	277.678	ug/l	100
60) Dibromochloromethane	11.129	129	140114	55.391	ug/l	100
61) 1,2-Dibromoethane	11.239	107	112526	54.737	ug/l	100
64) Tetrachloroethene	10.867	164	111948	53.642	ug/l	100
65) Chlorobenzene	11.654	112	377306	52.277	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.727	131	127123	53.499	ug/l	100
67) Ethyl Benzene	11.733	91	642673	54.348	ug/l	100
68) m/p-Xylenes	11.837	106	505883	111.156	ug/l	100
69) o-Xylene	12.166	106	238390	55.377	ug/l	100
70) Styrene	12.178	104	419791	55.319	ug/l	100
71) Bromoform	12.349	173	75279	53.341	ug/l	100
73) Isopropylbenzene	12.459	105	615287	55.757	ug/l	100
74) N-amyl acetate	12.270	43	173852	54.264	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.715	83	138219	52.705	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	103468m	49.196	ug/l	
77) Bromobenzene	12.745	156	153744	54.634	ug/l	100
78) n-propylbenzene	12.800	91	738788	55.144	ug/l	100
79) 2-Chlorotoluene	12.885	91	447910	54.672	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	521409	55.807	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	42218	55.859	ug/l	100
82) 4-Chlorotoluene	12.989	91	486529	55.480	ug/l	100
83) tert-Butylbenzene	13.202	119	459231	57.970	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	544709	56.352	ug/l	100
85) sec-Butylbenzene	13.379	105	670404	56.681	ug/l	100
86) p-Isopropyltoluene	13.495	119	571291	56.797	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	308402	54.430	ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	296872	52.272	ug/l	100
89) n-Butylbenzene	13.818	91	541998	56.520	ug/l	100
90) Hexachloroethane	14.086	117	98938	53.776	ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	253601	50.553	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.483	75	23754	51.271	ug/l	100
93) 1,2,4-Trichlorobenzene	15.123	180	176601	55.100	ug/l	100
94) Hexachlorobutadiene	15.226	225	89862	56.532	ug/l	100
95) Naphthalene	15.360	128	400729	55.245	ug/l	100
96) 1,2,3-Trichlorobenzene	15.543	180	157194	52.737	ug/l	100

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

