

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032056.D
 Acq On : 11 Aug 2025 10:46
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
 Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:39:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 03:34:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	221384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	424901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	387705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	180763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	315411	98.509	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 197.020%#			
35) Dibromofluoromethane	7.898	113	266117	96.945	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 193.900%#			
50) Toluene-d8	10.325	98	1005940	99.078	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 198.160%#			
62) 4-Bromofluorobenzene	12.617	95	372416	99.536	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 199.080%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.040	85	140330	88.627	ug/l	100
3) Chloromethane	2.253	50	200261	93.894	ug/l	99
4) Vinyl Chloride	2.405	62	239040	92.654	ug/l	94
5) Bromomethane	2.820	94	182687	94.386	ug/l	96
6) Chloroethane	2.966	64	164961	96.628	ug/l	98
7) Trichlorofluoromethane	3.295	101	182663	88.382	ug/l	96
8) Diethyl Ether	3.716	74	164632	97.227	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	224293	91.988	ug/l	100
10) Methyl Iodide	4.301	142	336162	97.237	ug/l	99
11) Tert butyl alcohol	5.216	59	99671	480.735	ug/l	100
12) 1,1-Dichloroethene	4.070	96	251341	93.615	ug/l	92
13) Acrolein	3.923	56	148403	449.230	ug/l	100
14) Allyl chloride	4.698	41	385062	98.543	ug/l	99
15) Acrylonitrile	5.393	53	388290	481.445	ug/l	99
16) Acetone	4.155	43	328664	443.358	ug/l	100
17) Carbon Disulfide	4.417	76	693616	96.248	ug/l	97
18) Methyl Acetate	4.704	43	218695	93.230	ug/l	98
19) Methyl tert-butyl Ether	5.460	73	473924	100.184	ug/l	99
20) Methylene Chloride	4.954	84	285049	83.165	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	281466	98.787	ug/l	98
22) Diisopropyl ether	6.332	45	829703	100.722	ug/l	98
23) Vinyl Acetate	6.277	43	2803250	518.312	ug/l	100
24) 1,1-Dichloroethane	6.240	63	519360	98.678	ug/l	99
25) 2-Butanone	7.191	43	515739	489.508	ug/l	99
26) 2,2-Dichloropropane	7.185	77	249271	94.405	ug/l	100
27) cis-1,2-Dichloroethene	7.185	96	343091	103.016	ug/l	97
28) Bromochloromethane	7.526	49	230727	96.333	ug/l	100
29) Tetrahydrofuran	7.551	42	338578	487.284	ug/l	99
30) Chloroform	7.685	83	550232	98.613	ug/l	96
31) Cyclohexane	7.965	56	416558	91.292	ug/l	96
32) 1,1,1-Trichloroethane	7.880	97	384671	94.913	ug/l	99
36) 1,1-Dichloropropene	8.093	75	373215	96.444	ug/l	99
37) Ethyl Acetate	7.270	43	221929	97.375	ug/l	99
38) Carbon Tetrachloride	8.081	117	362373	97.035	ug/l	91
39) Methylcyclohexane	9.337	83	459134	97.342	ug/l	97
40) Benzene	8.331	78	1160107	96.444	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	135773	105.048	ug/l	97
42) 1,2-Dichloroethane	8.410	62	364674	94.743	ug/l	100
43) Isopropyl Acetate	8.435	43	413211	98.543	ug/l	99
44) Trichloroethene	9.093	130	270995	94.602	ug/l	99
45) 1,2-Dichloropropane	9.374	63	278124	95.707	ug/l	99
46) Dibromomethane	9.465	93	177966	94.888	ug/l	98
47) Bromodichloromethane	9.648	83	422958	97.867	ug/l	98
48) Methyl methacrylate	9.441	41	202632	100.098	ug/l	98
49) 1,4-Dioxane	9.459	88	46383	1912.696	ug/l	99
51) 4-Methyl-2-Pentanone	10.209	43	1127080	476.209	ug/l	99
52) Toluene	10.386	92	753592	99.464	ug/l	96
53) t-1,3-Dichloropropene	10.605	75	410734	101.442	ug/l	95
54) cis-1,3-Dichloropropene	10.075	75	468972	102.096	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	239507	96.099	ug/l	97
56) Ethyl methacrylate	10.642	69	348446	104.477	ug/l	99
57) 1,3-Dichloropropane	10.934	76	412949	95.056	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	948129	513.956	ug/l	99
59) 2-Hexanone	10.965	43	793810	484.283	ug/l	99
60) Dibromochloromethane	11.129	129	282060	99.074	ug/l	99
61) 1,2-Dibromoethane	11.233	107	240542	99.317	ug/l	99
64) Tetrachloroethene	10.867	164	213297	95.247	ug/l	94
65) Chlorobenzene	11.654	112	808609	95.819	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	253284	96.197	ug/l	97
67) Ethyl Benzene	11.727	91	1418619	99.243	ug/l	96
68) m/p-Xylenes	11.837	106	1089143	197.459	ug/l	97
69) o-Xylene	12.166	106	523329	102.652	ug/l	97
70) Styrene	12.178	104	916019	101.158	ug/l	100
71) Bromoform	12.349	173	145781	96.794	ug/l #	92
73) Isopropylbenzene	12.458	105	1299533	102.870	ug/l	100
74) N-amyl acetate	12.269	43	378722	104.494	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.708	83	286977	95.677	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	208848m	75.158	ug/l	
77) Bromobenzene	12.745	156	311049	103.091	ug/l	96
78) n-propylbenzene	12.800	91	1589147	102.177	ug/l	99
79) 2-Chlorotoluene	12.891	91	974324	101.505	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	1092987	101.912	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	98906	104.370	ug/l	98
82) 4-Chlorotoluene	12.983	91	1013836	99.412	ug/l	99
83) tert-Butylbenzene	13.202	119	922044	103.591	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	1089327	99.778	ug/l	96
85) sec-Butylbenzene	13.379	105	1372324	101.978	ug/l	98
86) p-Isopropyltoluene	13.495	119	1128935	100.630	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	572145	95.298	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	587417	96.819	ug/l	99
89) n-Butylbenzene	13.818	91	1103362	101.235	ug/l	99
90) Hexachloroethane	14.086	117	204823	99.832	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	524204	96.387	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	50993	95.632	ug/l	97
93) 1,2,4-Trichlorobenzene	15.129	180	338661	104.094	ug/l	97
94) Hexachlorobutadiene	15.226	225	138434	95.189	ug/l	98
95) Naphthalene	15.360	128	841296	105.533	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	313033	105.748	ug/l	99

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

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