

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032105.D
 Acq On : 14 Aug 2025 19:32
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 18 03:58:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
 Supervised By :Mahesh Dadoda 08/19/2025

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	191295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	340189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	325940	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	166040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	146710	53.028	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 106.060%			
35) Dibromofluoromethane	7.904	113	119167	54.222	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 108.440%			
50) Toluene-d8	10.331	98	431442	53.076	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 106.160%			
62) 4-Bromofluorobenzene	12.617	95	151827	50.684	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 101.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.045	85	61255	44.771	ug/l	96
3) Chloromethane	2.259	50	78292	42.481	ug/l	99
4) Vinyl Chloride	2.405	62	95665	42.913	ug/l	93
5) Bromomethane	2.826	94	81791	48.904	ug/l	96
6) Chloroethane	2.972	64	68704	46.574	ug/l	100
7) Trichlorofluoromethane	3.301	101	92479	51.784	ug/l	97
8) Diethyl Ether	3.722	74	75008	51.265	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.100	101	103933	49.330	ug/l	98
10) Methyl Iodide	4.313	142	144087	48.234	ug/l	97
11) Tert butyl alcohol	5.228	59	36969	206.356	ug/l	96
12) 1,1-Dichloroethene	4.082	96	113815	49.059	ug/l	97
13) Acrolein	3.929	56	35987	126.071	ug/l	97
14) Allyl chloride	4.703	41	134232	39.755	ug/l #	87
15) Acrylonitrile	5.405	53	159692	229.148	ug/l	99
16) Acetone	4.161	43	148614	232.009	ug/l	97
17) Carbon Disulfide	4.423	76	247936	39.816	ug/l	99
18) Methyl Acetate	4.710	43	107582	53.076	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	192043	46.982	ug/l	94
20) Methylene Chloride	4.953	84	124065	41.890	ug/l	96
21) trans-1,2-Dichloroethene	5.453	96	113537	46.116	ug/l	97
22) Diisopropyl ether	6.343	45	335676	47.159	ug/l	96
23) Vinyl Acetate	6.282	43	1070647	229.096	ug/l	97
24) 1,1-Dichloroethane	6.246	63	208500	45.846	ug/l	99
25) 2-Butanone	7.197	43	213535	234.553	ug/l	96
26) 2,2-Dichloropropane	7.191	77	89156	39.077	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	141078	49.023	ug/l	95
28) Bromochloromethane	7.532	49	105860	51.150	ug/l	98
29) Tetrahydrofuran	7.557	42	143851	239.596	ug/l	100
30) Chloroform	7.691	83	243601	50.525	ug/l	95
31) Cyclohexane	7.971	56	152916	38.784	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	161712	46.176	ug/l	98
36) 1,1-Dichloropropene	8.093	75	148951	48.076	ug/l	99
37) Ethyl Acetate	7.276	43	92875	50.898	ug/l	97
38) Carbon Tetrachloride	8.081	117	152872	51.129	ug/l	96
39) Methylcyclohexane	9.343	83	169525	44.891	ug/l	94
40) Benzene	8.337	78	480231	49.865	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	50217	48.528	ug/l	91
42) 1,2-Dichloroethane	8.410	62	168647	54.726	ug/l	98
43) Isopropyl Acetate	8.434	43	169753	50.564	ug/l	99
44) Trichloroethene	9.105	130	116771	50.915	ug/l	96
45) 1,2-Dichloropropane	9.373	63	115794	49.769	ug/l	97
46) Dibromomethane	9.465	93	79744	53.105	ug/l	96
47) Bromodichloromethane	9.654	83	184629	53.359	ug/l	95
48) Methyl methacrylate	9.440	41	82474	50.886	ug/l #	90
49) 1,4-Dioxane	9.459	88	20213	1041.083	ug/l	93
51) 4-Methyl-2-Pentanone	10.215	43	510331	269.316	ug/l	96
52) Toluene	10.391	92	310694	51.219	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	158355	48.849	ug/l	100
54) cis-1,3-Dichloropropene	10.081	75	177874	48.366	ug/l	91
55) 1,1,2-Trichloroethane	10.788	97	104590	52.415	ug/l	96
56) Ethyl methacrylate	10.648	69	138833	51.993	ug/l #	92
57) 1,3-Dichloropropane	10.934	76	176713	50.807	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	400276	271.010	ug/l	100
59) 2-Hexanone	10.971	43	354969	270.484	ug/l	96
60) Dibromochloromethane	11.129	129	122381	53.691	ug/l	99
61) 1,2-Dibromoethane	11.233	107	102979	53.107	ug/l	99
64) Tetrachloroethene	10.861	164	107005	56.838	ug/l	92
65) Chlorobenzene	11.660	112	348750	49.157	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	118751	53.648	ug/l	96
67) Ethyl Benzene	11.733	91	601685	50.069	ug/l	96
68) m/p-Xylenes	11.836	106	455888	98.314	ug/l	98
69) o-Xylene	12.166	106	216903	50.609	ug/l	96
70) Styrene	12.178	104	392538	51.563	ug/l	98
71) Bromoform	12.355	173	69699	55.047	ug/l #	95
73) Isopropylbenzene	12.464	105	540086	46.544	ug/l	98
74) N-amyl acetate	12.269	43	156756	47.086	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.708	83	130940	47.526	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	95304m	42.291	ug/l	
77) Bromobenzene	12.745	156	132649	47.862	ug/l	94
78) n-propylbenzene	12.800	91	674775	47.233	ug/l	100
79) 2-Chlorotoluene	12.891	91	405968	46.044	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	460118	46.706	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	34614	39.765	ug/l	90
82) 4-Chlorotoluene	12.989	91	431266	46.038	ug/l	98
83) tert-Butylbenzene	13.202	119	401156	49.066	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	475052	47.371	ug/l	99
85) sec-Butylbenzene	13.379	105	568054	45.955	ug/l	99
86) p-Isopropyltoluene	13.495	119	472729	45.874	ug/l	97
87) 1,3-Dichlorobenzene	13.495	146	270340	49.021	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	271213	48.665	ug/l	98
89) n-Butylbenzene	13.818	91	466468	46.594	ug/l	99
90) Hexachloroethane	14.086	117	87184	46.262	ug/l	96
91) 1,2-Dichlorobenzene	13.866	146	243969	48.837	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.482	75	21865	44.641	ug/l	98
93) 1,2,4-Trichlorobenzene	15.122	180	146018	48.861	ug/l	96
94) Hexachlorobutadiene	15.226	225	67884	50.817	ug/l	92
95) Naphthalene	15.354	128	345629	47.200	ug/l	98
96) 1,2,3-Trichlorobenzene	15.543	180	136101	50.054	ug/l	97

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

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