

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
 Data File : VW031985.D
 Acq On : 01 Aug 2025 14:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 01 23:14:07 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 08/04/2025
 Supervised By :Semsettin Yesilyurt 08/04/2025

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	217498	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	419257	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	382211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	177871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	157864	47.980	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	95.960%		
35) Dibromofluoromethane	7.904	113	135030	47.397	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	94.800%		
50) Toluene-d8	10.325	98	497217	46.115	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	92.220%		
62) 4-Bromofluorobenzene	12.617	95	194159	46.896	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	93.800%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.046	85	65863	40.744	ug/l	94
3) Chloromethane	2.259	50	105655	50.923	ug/l	95
4) Vinyl Chloride	2.405	62	116587	43.257	ug/l	99
5) Bromomethane	2.826	94	100506	50.641	ug/l	96
6) Chloroethane	2.972	64	91543	51.463	ug/l	98
7) Trichlorofluoromethane	3.308	101	121875	44.646	ug/l	95
8) Diethyl Ether	3.722	74	93030	51.017	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	127755	48.656	ug/l	97
10) Methyl Iodide	4.301	142	196088	49.948	ug/l	99
11) Tert butyl alcohol	5.228	59	52198	269.895	ug/l	99
12) 1,1-Dichloroethene	4.082	96	140015	48.279	ug/l	88
13) Acrolein	3.936	56	18028	59.470	ug/l	97
14) Allyl chloride	4.704	41	220972	48.945	ug/l	99
15) Acrylonitrile	5.405	53	225550	276.667	ug/l	98
16) Acetone	4.167	43	180159	230.752	ug/l	99
17) Carbon Disulfide	4.423	76	378273	50.293	ug/l	99
18) Methyl Acetate	4.716	43	127438	59.246	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	275241	54.928	ug/l	99
20) Methylene Chloride	4.954	84	165899	49.650	ug/l	100
21) trans-1,2-Dichloroethene	5.460	96	155357	50.489	ug/l	98
22) Diisopropyl ether	6.344	45	473070	52.366	ug/l	100
23) Vinyl Acetate	6.283	43	1577267	267.245	ug/l	99
24) 1,1-Dichloroethane	6.246	63	291446	51.816	ug/l	99
25) 2-Butanone	7.197	43	284854	266.658	ug/l	92
26) 2,2-Dichloropropane	7.191	77	150222	47.176	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	189076	52.267	ug/l	99
28) Bromochloromethane	7.532	49	114765	48.733	ug/l	94
29) Tetrahydrofuran	7.557	42	197132	281.470	ug/l	99
30) Chloroform	7.691	83	306842	52.030	ug/l	99
31) Cyclohexane	7.971	56	230354	45.650	ug/l	94
32) 1,1,1-Trichloroethane	7.886	97	220991	49.245	ug/l	99
36) 1,1-Dichloropropene	8.099	75	205027	46.862	ug/l	99
37) Ethyl Acetate	7.276	43	132933	53.262	ug/l	99
38) Carbon Tetrachloride	8.081	117	196620	46.827	ug/l	99
39) Methylcyclohexane	9.343	83	255342	46.376	ug/l	97
40) Benzene	8.337	78	652081	50.349	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	78554	52.578	ug/l	97
42) 1,2-Dichloroethane	8.416	62	207624	50.091	ug/l	99
43) Isopropyl Acetate	8.435	43	237483	52.561	ug/l	100
44) Trichloroethene	9.105	130	151714	49.283	ug/l	94
45) 1,2-Dichloropropane	9.374	63	156300	50.111	ug/l	99
46) Dibromomethane	9.465	93	102389	52.955	ug/l	97
47) Bromodichloromethane	9.654	83	237800	51.290	ug/l	100
48) Methyl methacrylate	9.441	41	116300	54.104	ug/l	98
49) 1,4-Dioxane	9.465	88	24093	1248.792	ug/l #	86
51) 4-Methyl-2-Pentanone	10.215	43	683642	276.474	ug/l	99
52) Toluene	10.392	92	418627	50.282	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	227379	51.126	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	259764	51.145	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	139062	54.145	ug/l	95
56) Ethyl methacrylate	10.648	69	198472	54.717	ug/l	99
57) 1,3-Dichloropropane	10.934	76	236462	52.261	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	454012	243.681	ug/l	99
59) 2-Hexanone	10.971	43	471245	274.174	ug/l	99
60) Dibromochloromethane	11.129	129	157200	52.497	ug/l	98
61) 1,2-Dibromoethane	11.239	107	134804	53.118	ug/l	99
64) Tetrachloroethene	10.867	164	118669	47.091	ug/l	86
65) Chlorobenzene	11.660	112	455717	48.717	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.727	131	144835	49.944	ug/l	97
67) Ethyl Benzene	11.727	91	797474	48.521	ug/l	98
68) m/p-Xylenes	11.837	106	598674	96.758	ug/l	97
69) o-Xylene	12.166	106	288170	49.214	ug/l	97
70) Styrene	12.178	104	495553	49.707	ug/l	99
71) Bromoform	12.349	173	82082	51.754	ug/l #	99
73) Isopropylbenzene	12.464	105	722149	46.792	ug/l	98
74) N-amyl acetate	12.269	43	217122	52.039	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	169961	51.882	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	122647m	49.942	ug/l	
77) Bromobenzene	12.751	156	171625	51.396	ug/l	93
78) n-propylbenzene	12.800	91	876165	46.224	ug/l	98
79) 2-Chlorotoluene	12.891	91	535891	47.352	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	622333	48.080	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	51800	48.698	ug/l	100
82) 4-Chlorotoluene	12.983	91	566162	47.686	ug/l	100
83) tert-Butylbenzene	13.202	119	513940	46.614	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	633478	48.353	ug/l	100
85) sec-Butylbenzene	13.379	105	754033	45.541	ug/l	98
86) p-Isopropyltoluene	13.495	119	654380	47.816	ug/l	97
87) 1,3-Dichlorobenzene	13.495	146	337742	48.589	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	328506	48.244	ug/l	98
89) n-Butylbenzene	13.818	91	614609	45.780	ug/l	98
90) Hexachloroethane	14.086	117	108440	45.823	ug/l	93
91) 1,2-Dichlorobenzene	13.867	146	301718	48.979	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.482	75	29937	50.583	ug/l	98
93) 1,2,4-Trichlorobenzene	15.123	180	177757	47.847	ug/l	97
94) Hexachlorobutadiene	15.226	225	81268	46.164	ug/l	96
95) Naphthalene	15.360	128	477448	52.274	ug/l	100
96) 1,2,3-Trichlorobenzene	15.543	180	165137	49.060	ug/l	97

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

