

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
 Data File : VW032488.D
 Acq On : 18 Nov 2025 17:43
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 19 00:30:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	342149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	668124	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	614970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	280431	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	253690	57.512	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 115.020%		
35) Dibromofluoromethane	7.898	113	205510	51.375	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 102.740%		
50) Toluene-d8	10.325	98	798093	52.006	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 104.020%		
62) 4-Bromofluorobenzene	12.617	95	306932	52.945	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 105.900%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.040	85	86239	49.679	ug/l	92
3) Chloromethane	2.253	50	154021	51.763	ug/l	99
4) Vinyl Chloride	2.405	62	190166	50.640	ug/l	98
5) Bromomethane	2.826	94	133442	53.123	ug/l	93
6) Chloroethane	2.972	64	129090	52.543	ug/l	95
7) Trichlorofluoromethane	3.308	101	139171	47.269	ug/l	92
8) Diethyl Ether	3.722	74	131768	54.740	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	164472	51.282	ug/l	98
10) Methyl Iodide	4.308	142	262670	50.850	ug/l	99
11) Tert butyl alcohol	5.222	59	103392	271.064	ug/l	100
12) 1,1-Dichloroethene	4.082	96	187599	51.011	ug/l	93
13) Acrolein	3.930	56	105576	164.972	ug/l	100
14) Allyl chloride	4.704	41	370759	52.425	ug/l	98
15) Acrylonitrile	5.399	53	395860	284.428	ug/l	100
16) Acetone	4.161	43	328385	248.833	ug/l	100
17) Carbon Disulfide	4.423	76	543607	50.012	ug/l	98
18) Methyl Acetate	4.710	43	212584	65.050	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	424029	54.698	ug/l	98
20) Methylene Chloride	4.960	84	258244	54.718	ug/l	99
21) trans-1,2-Dichloroethene	5.460	96	221390	52.648	ug/l	94
22) Diisopropyl ether	6.338	45	791720	54.983	ug/l	99
23) Vinyl Acetate	6.283	43	2674801	271.128	ug/l	99
24) 1,1-Dichloroethane	6.240	63	438068	55.528	ug/l	99
25) 2-Butanone	7.191	43	537330	276.369	ug/l	100
26) 2,2-Dichloropropane	7.185	77	210029	47.770	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	274427	54.617	ug/l	98
28) Bromochloromethane	7.533	49	217850	58.425	ug/l	99
29) Tetrahydrofuran	7.551	42	360997	292.536	ug/l	99
30) Chloroform	7.691	83	434251	56.228	ug/l	99
31) Cyclohexane	7.965	56	362438	49.665	ug/l	99
32) 1,1,1-Trichloroethane	7.886	97	287424	52.097	ug/l	98
36) 1,1-Dichloropropene	8.093	75	298873	50.709	ug/l	99
37) Ethyl Acetate	7.277	43	233082	53.182	ug/l	99
38) Carbon Tetrachloride	8.081	117	255626	48.812	ug/l	97
39) Methylcyclohexane	9.343	83	363319	47.584	ug/l	95
40) Benzene	8.337	78	969685	51.088	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	130347	54.141	ug/l	98
42) 1,2-Dichloroethane	8.410	62	298651	53.568	ug/l	99
43) Isopropyl Acetate	8.435	43	409294	52.741	ug/l	99
44) Trichloroethene	9.099	130	217655	49.281	ug/l	95
45) 1,2-Dichloropropane	9.374	63	247027	52.268	ug/l	97
46) Dibromomethane	9.465	93	143623	52.003	ug/l	98
47) Bromodichloromethane	9.648	83	330551	52.469	ug/l	100
48) Methyl methacrylate	9.441	41	193041	52.348	ug/l	92
49) 1,4-Dioxane	9.465	88	43214	1116.938	ug/l #	96
51) 4-Methyl-2-Pentanone	10.209	43	1197453	279.118	ug/l	100
52) Toluene	10.392	92	600531	51.222	ug/l	100
53) t-1,3-Dichloropropene	10.605	75	334311	51.526	ug/l	96
54) cis-1,3-Dichloropropene	10.075	75	392259	52.279	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	196440	51.848	ug/l	96
56) Ethyl methacrylate	10.648	69	310865	53.475	ug/l	99
57) 1,3-Dichloropropane	10.934	76	363329	53.692	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	848264	274.001	ug/l	100
59) 2-Hexanone	10.971	43	838450	267.123	ug/l	100
60) Dibromochloromethane	11.129	129	219971	51.990	ug/l	100
61) 1,2-Dibromoethane	11.233	107	195000	52.844	ug/l	98
64) Tetrachloroethene	10.867	164	190851	52.407	ug/l #	83
65) Chlorobenzene	11.654	112	655294	49.438	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.727	131	201727	49.176	ug/l	98
67) Ethyl Benzene	11.727	91	1129243	49.238	ug/l	98
68) m/p-Xylenes	11.843	106	869904	101.022	ug/l	99
69) o-Xylene	12.166	106	400742	48.604	ug/l	98
70) Styrene	12.178	104	721699	50.883	ug/l	99
71) Bromoform	12.349	173	122517	50.424	ug/l #	94
73) Isopropylbenzene	12.459	105	1034308	50.219	ug/l	98
74) N-amyl acetate	12.270	43	376621	52.624	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.708	83	257948	52.773	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	186922m	48.612	ug/l	
77) Bromobenzene	12.745	156	246521	50.554	ug/l	95
78) n-propylbenzene	12.800	91	1277855	50.947	ug/l	99
79) 2-Chlorotoluene	12.891	91	769931	50.285	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	860862	50.664	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	85557	50.963	ug/l	94
82) 4-Chlorotoluene	12.983	91	812640	51.029	ug/l	99
83) tert-Butylbenzene	13.202	119	729377	49.346	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	874991	50.629	ug/l	99
85) sec-Butylbenzene	13.379	105	1075809	48.871	ug/l	99
86) p-Isopropyltoluene	13.495	119	888347	48.876	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	483126	52.255	ug/l	93
88) 1,4-Dichlorobenzene	13.574	146	461365	48.709	ug/l	97
89) n-Butylbenzene	13.818	91	883297	49.744	ug/l	100
90) Hexachloroethane	14.086	117	155840	47.555	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	449217	52.929	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.476	75	43469	51.623	ug/l	97
93) 1,2,4-Trichlorobenzene	15.123	180	260059	48.150	ug/l	99
94) Hexachlorobutadiene	15.226	225	104071	46.387	ug/l	94
95) Naphthalene	15.360	128	670165	49.758	ug/l	98
96) 1,2,3-Trichlorobenzene	15.549	180	249694	50.922	ug/l	92

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

