

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111725\
 Data File : VW032466.D
 Acq On : 17 Nov 2025 18:13
 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 18 03:08:20 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 11/18/2025
 Supervised By :Mahesh Dadoda 11/18/2025

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	373867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	728026	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	657820	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	301057	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	253882	52.672	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 105.340%			
35) Dibromofluoromethane	7.904	113	213719	49.031	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 98.060%			
50) Toluene-d8	10.331	98	829291	49.593	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 99.180%			
62) 4-Bromofluorobenzene	12.617	95	319993	50.656	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 101.320%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	87618	46.191	ug/l	96
3) Chloromethane	2.253	50	159512	49.061	ug/l	98
4) Vinyl Chloride	2.405	62	205711	50.133	ug/l	97
5) Bromomethane	2.826	94	140464	51.174	ug/l	98
6) Chloroethane	2.972	64	138193	51.476	ug/l	98
7) Trichlorofluoromethane	3.308	101	160173	49.787	ug/l	99
8) Diethyl Ether	3.722	74	137997	52.465	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.112	101	178225	50.856	ug/l	99
10) Methyl Iodide	4.308	142	295526	52.357	ug/l	99
11) Tert butyl alcohol	5.216	59	96887	232.461	ug/l	99
12) 1,1-Dichloroethene	4.082	96	203444	50.627	ug/l	89
13) Acrolein	3.930	56	111181	158.991	ug/l	97
14) Allyl chloride	4.704	41	407437	52.723	ug/l	98
15) Acrylonitrile	5.399	53	390287	256.633	ug/l	99
16) Acetone	4.161	43	305561	211.895	ug/l	100
17) Carbon Disulfide	4.423	76	595422	50.131	ug/l	99
18) Methyl Acetate	4.710	43	223870	62.692	ug/l	98
19) Methyl tert-butyl Ether	5.472	73	453095	53.489	ug/l	98
20) Methylene Chloride	4.954	84	277065	53.725	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	243365	52.964	ug/l	99
22) Diisopropyl ether	6.344	45	868672	55.209	ug/l	94
23) Vinyl Acetate	6.283	43	2703967	250.832	ug/l	99
24) 1,1-Dichloroethane	6.246	63	477421	55.382	ug/l	100
25) 2-Butanone	7.191	43	505776	238.070	ug/l	100
26) 2,2-Dichloropropane	7.185	77	237507	49.436	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	292527	53.280	ug/l	96
28) Bromochloromethane	7.533	49	214468	52.639	ug/l	96
29) Tetrahydrofuran	7.551	42	345818	256.461	ug/l	99
30) Chloroform	7.691	83	466124	55.235	ug/l	95
31) Cyclohexane	7.972	56	398011	49.913	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	320561	53.173	ug/l	99
36) 1,1-Dichloropropene	8.100	75	326915	50.903	ug/l	99
37) Ethyl Acetate	7.277	43	225318	47.181	ug/l	99
38) Carbon Tetrachloride	8.081	117	283702	49.715	ug/l	90
39) Methylcyclohexane	9.343	83	415204	49.905	ug/l	97
40) Benzene	8.337	78	1058358	51.172	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	141514	53.943	ug/l	93
42) 1,2-Dichloroethane	8.410	62	313592	51.620	ug/l	99
43) Isopropyl Acetate	8.435	43	410141	48.502	ug/l	99
44) Trichloroethene	9.099	130	242134	50.312	ug/l	88
45) 1,2-Dichloropropane	9.374	63	267628	51.967	ug/l	98
46) Dibromomethane	9.465	93	155592	51.702	ug/l	98
47) Bromodichloromethane	9.648	83	352623	51.367	ug/l	98
48) Methyl methacrylate	9.441	41	193720	48.209	ug/l	94
49) 1,4-Dioxane	9.459	88	41463	983.502	ug/l #	99
51) 4-Methyl-2-Pentanone	10.209	43	1160046	248.150	ug/l	100
52) Toluene	10.386	92	655035	51.274	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	356144	50.374	ug/l	96
54) cis-1,3-Dichloropropene	10.075	75	415469	50.816	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	211018	51.113	ug/l	95
56) Ethyl methacrylate	10.648	69	320247	50.556	ug/l	100
57) 1,3-Dichloropropane	10.934	76	376786	51.099	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.929	63	822068	243.691	ug/l	99
59) 2-Hexanone	10.965	43	794053	232.164	ug/l	100
60) Dibromochloromethane	11.130	129	228954	49.661	ug/l	98
61) 1,2-Dibromoethane	11.239	107	202898	50.460	ug/l	99
64) Tetrachloroethene	10.867	164	205433	52.736	ug/l	91
65) Chlorobenzene	11.654	112	718893	50.704	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.727	131	222400	50.684	ug/l	99
67) Ethyl Benzene	11.727	91	1224331	49.906	ug/l	100
68) m/p-Xylenes	11.837	106	930041	100.970	ug/l	100
69) o-Xylene	12.166	106	462874	52.483	ug/l	99
70) Styrene	12.178	104	781731	51.526	ug/l	99
71) Bromoform	12.349	173	120780	46.472	ug/l #	98
73) Isopropylbenzene	12.459	105	1121127	50.705	ug/l	99
74) N-amyl acetate	12.270	43	374015	48.679	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.709	83	252611	48.140	ug/l	97
76) 1,2,3-Trichloropropane	12.763	75	185838m	45.019	ug/l	
77) Bromobenzene	12.745	156	260586	49.777	ug/l	93
78) n-propylbenzene	12.800	91	1394666	51.795	ug/l	99
79) 2-Chlorotoluene	12.891	91	849961	51.709	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	933604	51.181	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	84312	46.781	ug/l	99
82) 4-Chlorotoluene	12.983	91	880775	51.518	ug/l	99
83) tert-Butylbenzene	13.202	119	807014	50.858	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	945345	50.953	ug/l	98
85) sec-Butylbenzene	13.379	105	1202742	50.894	ug/l	99
86) p-Isopropyltoluene	13.495	119	1001441	51.323	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	510094	51.392	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	507173	49.876	ug/l	99
89) n-Butylbenzene	13.818	91	986602	51.755	ug/l	99
90) Hexachloroethane	14.092	117	169991	48.319	ug/l	97
91) 1,2-Dichlorobenzene	13.867	146	470709	51.661	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	42744	47.285	ug/l	98
93) 1,2,4-Trichlorobenzene	15.129	180	293864	50.682	ug/l	94
94) Hexachlorobutadiene	15.232	225	127022	52.738	ug/l	98
95) Naphthalene	15.360	128	726051	50.214	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	270020	51.295	ug/l	95

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

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