

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091725\
 Data File : VW032180.D
 Acq On : 17 Sep 2025 10:50
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/18/2025
 Supervised By :Semsettin Yesilyurt 09/18/2025

Quant Time: Sep 18 04:30:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.953	168	207877	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	354374	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	325911	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	162367	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	146492	49.276	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	98.560%		
35) Dibromofluoromethane	7.892	113	120171	48.334	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 134		Recovery =	96.660%		
50) Toluene-d8	10.331	98	437005	50.069	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	100.140%		
62) 4-Bromofluorobenzene	12.617	95	156849	48.598	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	97.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	60946	44.406	ug/l	99
3) Chloromethane	2.253	50	72188	50.166	ug/l	100
4) Vinyl Chloride	2.405	62	101933	54.538	ug/l	99
5) Bromomethane	2.826	94	81624	48.905	ug/l	97
6) Chloroethane	2.972	64	71120	54.033	ug/l	99
7) Trichlorofluoromethane	3.302	101	93261	50.360	ug/l	97
8) Diethyl Ether	3.716	74	70855	51.271	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.094	101	110742	53.084	ug/l	98
10) Methyl Iodide	4.301	142	153136	48.209	ug/l	98
11) Tert butyl alcohol	5.204	59	39576	217.635	ug/l	98
12) 1,1-Dichloroethene	4.076	96	119853	54.553	ug/l	98
13) Acrolein	3.930	56	17979	64.319	ug/l	94
14) Allyl chloride	4.704	41	155163	49.720	ug/l	99
15) Acrylonitrile	5.399	53	153871	229.009	ug/l	100
16) Acetone	4.155	43	160553	249.365	ug/l	95
17) Carbon Disulfide	4.417	76	259700	47.262	ug/l	100
18) Methyl Acetate	4.710	43	104203	50.796	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	203743	49.110	ug/l	95
20) Methylene Chloride	4.954	84	127725	48.294	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	116918	47.638	ug/l	91
22) Diisopropyl ether	6.338	45	337757	49.728	ug/l	97
23) Vinyl Acetate	6.277	43	1117393	241.971	ug/l	99
24) 1,1-Dichloroethane	6.240	63	214430	48.224	ug/l	99
25) 2-Butanone	7.191	43	209032	229.114	ug/l	100
26) 2,2-Dichloropropane	7.185	77	123741	52.550	ug/l	100
27) cis-1,2-Dichloroethene	7.185	96	143605	48.085	ug/l	98
28) Bromochloromethane	7.526	49	102479	50.346	ug/l	94
29) Tetrahydrofuran	7.551	42	133603	230.443	ug/l	99
30) Chloroform	7.691	83	248477	48.944	ug/l	97
31) Cyclohexane	7.965	56	168610	46.199	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	187317	50.544	ug/l	99
36) 1,1-Dichloropropene	8.093	75	160638	49.831	ug/l	99
37) Ethyl Acetate	7.270	43	93132	48.159	ug/l	96
38) Carbon Tetrachloride	8.081	117	171304	49.571	ug/l	94
39) Methylcyclohexane	9.343	83	192104	50.312	ug/l	99
40) Benzene	8.331	78	482315	48.403	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	51115	47.575	ug/l	94
42) 1,2-Dichloroethane	8.410	62	164413	47.595	ug/l	99
43) Isopropyl Acetate	8.435	43	174025	47.969	ug/l	99
44) Trichloroethene	9.099	130	119772	47.796	ug/l	89
45) 1,2-Dichloropropane	9.374	63	116527	48.510	ug/l	98
46) Dibromomethane	9.465	93	80823	47.971	ug/l	92
47) Bromodichloromethane	9.648	83	189054	49.378	ug/l	100
48) Methyl methacrylate	9.441	41	79643	47.636	ug/l	98
49) 1,4-Dioxane	9.465	88	19045	935.571	ug/l	97
51) 4-Methyl-2-Pentanone	10.209	43	489794	239.099	ug/l	98
52) Toluene	10.386	92	311307	47.808	ug/l	99
53) t-1,3-Dichloropropene	10.605	75	168494	49.886	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	191815	49.771	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	103251	47.127	ug/l	93
56) Ethyl methacrylate	10.648	69	137021	48.919	ug/l	99
57) 1,3-Dichloropropane	10.934	76	174068	47.450	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	384574	257.235	ug/l	100
59) 2-Hexanone	10.971	43	349095	245.035	ug/l	97
60) Dibromochloromethane	11.130	129	126731	47.804	ug/l	100
61) 1,2-Dibromoethane	11.239	107	99739	46.293	ug/l	98
64) Tetrachloroethene	10.867	164	97014	45.227	ug/l	92
65) Chlorobenzene	11.654	112	352023	47.454	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.727	131	117418	48.077	ug/l	100
67) Ethyl Benzene	11.727	91	603307	49.638	ug/l	98
68) m/p-Xylenes	11.837	106	467756	99.997	ug/l	97
69) o-Xylene	12.166	106	213423	48.235	ug/l	97
70) Styrene	12.178	104	391465	50.190	ug/l	98
71) Bromoform	12.349	173	70427	48.552	ug/l #	98
73) Isopropylbenzene	12.459	105	567413	51.440	ug/l	99
74) N-amyl acetate	12.270	43	158567	49.513	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	127627	48.686	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	92670m	45.557	ug/l	
77) Bromobenzene	12.745	156	136187	48.415	ug/l	98
78) n-propylbenzene	12.800	91	705736	52.698	ug/l	97
79) 2-Chlorotoluene	12.891	91	423395	51.701	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	481635	51.571	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.507	75	39456	52.226	ug/l	98
82) 4-Chlorotoluene	12.989	91	446296	50.913	ug/l	99
83) tert-Butylbenzene	13.202	119	413346	52.199	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	506540	52.425	ug/l	99
85) sec-Butylbenzene	13.379	105	595748	50.389	ug/l	100
86) p-Isopropyltoluene	13.495	119	536969	53.407	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	272444	48.103	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	270468	47.643	ug/l	98
89) n-Butylbenzene	13.818	91	519830	54.230	ug/l	97
90) Hexachloroethane	14.086	117	97421	52.973	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	246361	49.130	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	22137	47.801	ug/l	91
93) 1,2,4-Trichlorobenzene	15.123	180	146267	45.655	ug/l	99
94) Hexachlorobutadiene	15.226	225	67378	42.405	ug/l	92
95) Naphthalene	15.360	128	352419	48.605	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	137693	46.213	ug/l	98

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

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