

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091925\
 Data File : VW032204.D
 Acq On : 19 Sep 2025 09:38
 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 :Semsettin Yesilyurt 09/22/2025
 Supervised By :Mahesh Dadoda 09/22/2025

Quant Time: Sep 19 23:03:18 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	193605	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	337702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	309889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	159183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	140316	50.677	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	101.360%		
35) Dibromofluoromethane	7.898	113	112844	47.628	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	95.260%		
50) Toluene-d8	10.325	98	401656	48.291	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	96.580%		
62) 4-Bromofluorobenzene	12.617	95	150398	48.900	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	97.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	61321	47.973	ug/l	93
3) Chloromethane	2.253	50	70334	52.480	ug/l	99
4) Vinyl Chloride	2.405	62	96372	55.364	ug/l	99
5) Bromomethane	2.820	94	79848	51.367	ug/l	100
6) Chloroethane	2.972	64	68508	55.885	ug/l	95
7) Trichlorofluoromethane	3.302	101	89308	51.781	ug/l	100
8) Diethyl Ether	3.716	74	71286	55.385	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.094	101	108964	56.082	ug/l	97
10) Methyl Iodide	4.301	142	133774	45.218	ug/l	96
11) Tert butyl alcohol	5.216	59	40407	238.585	ug/l	100
12) 1,1-Dichloroethene	4.076	96	114113	55.769	ug/l	98
13) Acrolein	3.923	56	13685	52.567	ug/l	98
14) Allyl chloride	4.698	41	145063	49.910	ug/l	97
15) Acrylonitrile	5.399	53	161050	257.364	ug/l	99
16) Acetone	4.155	43	166348	277.412	ug/l	99
17) Carbon Disulfide	4.423	76	239266	46.753	ug/l	99
18) Methyl Acetate	4.704	43	114519	59.940	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	196769	50.925	ug/l	99
20) Methylene Chloride	4.960	84	118586	48.124	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	113402	49.612	ug/l	91
22) Diisopropyl ether	6.338	45	331472	52.400	ug/l	98
23) Vinyl Acetate	6.277	43	1092151	253.939	ug/l	100
24) 1,1-Dichloroethane	6.240	63	209626	50.619	ug/l	98
25) 2-Butanone	7.191	43	221799	261.028	ug/l	99
26) 2,2-Dichloropropane	7.185	77	117689	53.664	ug/l	100
27) cis-1,2-Dichloroethene	7.185	96	140379	50.469	ug/l	100
28) Bromochloromethane	7.526	49	98789	52.111	ug/l	95
29) Tetrahydrofuran	7.551	42	141606	262.252	ug/l	98
30) Chloroform	7.691	83	241401	51.055	ug/l	100
31) Cyclohexane	7.972	56	158677	46.683	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	176429	51.116	ug/l	99
36) 1,1-Dichloropropene	8.093	75	154155	50.181	ug/l	99
37) Ethyl Acetate	7.270	43	89673	48.660	ug/l	98
38) Carbon Tetrachloride	8.081	117	168642	51.209	ug/l	97
39) Methylcyclohexane	9.343	83	179354	49.292	ug/l	94
40) Benzene	8.337	78	467450	49.227	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	53352	52.109	ug/l	94
42) 1,2-Dichloroethane	8.410	62	166042	50.440	ug/l	100
43) Isopropyl Acetate	8.435	43	173234	50.108	ug/l	100
44) Trichloroethene	9.099	130	117235	49.093	ug/l	93
45) 1,2-Dichloropropane	9.374	63	115427	50.425	ug/l	97
46) Dibromomethane	9.465	93	80603	50.203	ug/l	94
47) Bromodichloromethane	9.648	83	185510	50.844	ug/l	97
48) Methyl methacrylate	9.441	41	82727	51.924	ug/l	98
49) 1,4-Dioxane	9.459	88	18949	976.810	ug/l	96
51) 4-Methyl-2-Pentanone	10.215	43	513068	262.826	ug/l	98
52) Toluene	10.392	92	309828	49.929	ug/l	97
53) t-1,3-Dichloropropene	10.611	75	167574	52.063	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	183462	49.954	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	104842	50.216	ug/l	97
56) Ethyl methacrylate	10.648	69	134837	50.516	ug/l	99
57) 1,3-Dichloropropane	10.934	76	175901	50.317	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	368106	258.375	ug/l	100
59) 2-Hexanone	10.971	43	364727	268.646	ug/l	98
60) Dibromochloromethane	11.130	129	125688	49.751	ug/l	98
61) 1,2-Dibromoethane	11.239	107	101978	49.669	ug/l	98
64) Tetrachloroethene	10.867	164	95352	46.751	ug/l	97
65) Chlorobenzene	11.654	112	344732	48.874	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.727	131	119852	51.611	ug/l	97
67) Ethyl Benzene	11.727	91	582056	50.365	ug/l	98
68) m/p-Xylenes	11.837	106	451604	101.535	ug/l	99
69) o-Xylene	12.166	106	209869	49.884	ug/l	96
70) Styrene	12.178	104	380492	51.305	ug/l	100
71) Bromoform	12.355	173	69213	50.182	ug/l #	100
73) Isopropylbenzene	12.465	105	558649	51.658	ug/l	100
74) N-amyl acetate	12.270	43	159092	50.671	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	132253	51.459	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	96774m	48.527	ug/l	
77) Bromobenzene	12.745	156	134863	48.903	ug/l	98
78) n-propylbenzene	12.800	91	696497	53.049	ug/l	97
79) 2-Chlorotoluene	12.891	91	408980	50.940	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	480769	52.508	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.513	75	40123	54.171	ug/l	98
82) 4-Chlorotoluene	12.989	91	431982	50.265	ug/l	98
83) tert-Butylbenzene	13.202	119	410189	52.836	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	476542	50.307	ug/l	100
85) sec-Butylbenzene	13.379	105	595226	51.352	ug/l	98
86) p-Isopropyltoluene	13.495	119	505573	51.290	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	272609	49.095	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	274360	49.295	ug/l	94
89) n-Butylbenzene	13.818	91	490270	52.169	ug/l	97
90) Hexachloroethane	14.092	117	93388	51.796	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	253474	51.559	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.476	75	22572	49.715	ug/l	95
93) 1,2,4-Trichlorobenzene	15.129	180	147240	46.877	ug/l	99
94) Hexachlorobutadiene	15.232	225	73079	46.912	ug/l	95
95) Naphthalene	15.360	128	356866	50.203	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	132585	45.389	ug/l	98

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

