

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
 Data File : VW031767.D
 Acq On : 09 Jul 2025 10:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
 Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 10 01:20:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	247441	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	422710	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	377094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	179078	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	162448	45.746	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	91.500%		
35) Dibromofluoromethane	7.898	113	138259	50.123	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	100.240%		
50) Toluene-d8	10.325	98	521437	50.798	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	101.600%		
62) 4-Bromofluorobenzene	12.617	95	191245	50.627	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	101.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	82009	48.665	ug/l	96
3) Chloromethane	2.253	50	94900	46.711	ug/l	99
4) Vinyl Chloride	2.405	62	131529	49.256	ug/l	100
5) Bromomethane	2.826	94	95511	45.792	ug/l	98
6) Chloroethane	2.972	64	84881	46.795	ug/l	95
7) Trichlorofluoromethane	3.307	101	117630	48.505	ug/l	93
8) Diethyl Ether	3.722	74	85568	46.434	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	131015	48.672	ug/l	99
10) Methyl Iodide	4.307	142	202546	48.810	ug/l	99
11) Tert butyl alcohol	5.222	59	53824	244.656	ug/l	97
12) 1,1-Dichloroethene	4.076	96	146786	49.785	ug/l	97
13) Acrolein	3.929	56	64741	163.732	ug/l	99
14) Allyl chloride	4.697	41	223904	49.495	ug/l	99
15) Acrylonitrile	5.399	53	225809	249.182	ug/l	100
16) Acetone	4.161	43	211986	241.521	ug/l	98
17) Carbon Disulfide	4.417	76	385158	48.818	ug/l	99
18) Methyl Acetate	4.704	43	131126	52.273	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	255291	51.014	ug/l	98
20) Methylene Chloride	4.954	84	179218	51.376	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	153141	48.882	ug/l	97
22) Diisopropyl ether	6.337	45	446765	50.638	ug/l	99
23) Vinyl Acetate	6.283	43	1535842	254.857	ug/l	99
24) 1,1-Dichloroethane	6.240	63	283597	49.580	ug/l	99
25) 2-Butanone	7.191	43	298426	261.347	ug/l	98
26) 2,2-Dichloropropane	7.185	77	168949	50.624	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	182084	50.562	ug/l	99
28) Bromochloromethane	7.526	49	122453	48.512	ug/l	97
29) Tetrahydrofuran	7.551	42	201074	257.131	ug/l	99
30) Chloroform	7.691	83	304613	50.117	ug/l	100
31) Cyclohexane	7.965	56	238122	47.095	ug/l	93
32) 1,1,1-Trichloroethane	7.886	97	241191	51.493	ug/l	98
36) 1,1-Dichloropropene	8.093	75	211773	53.056	ug/l	98
37) Ethyl Acetate	7.270	43	130075	51.660	ug/l	99
38) Carbon Tetrachloride	8.081	117	217942	53.582	ug/l	98
39) Methylcyclohexane	9.343	83	266666	53.697	ug/l	97
40) Benzene	8.337	78	618425	52.368	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	77051	57.124	ug/l	98
42) 1,2-Dichloroethane	8.410	62	204035	51.134	ug/l	98
43) Isopropyl Acetate	8.435	43	233944	53.900	ug/l	99
44) Trichloroethene	9.099	130	154468	52.407	ug/l	99
45) 1,2-Dichloropropane	9.373	63	148469	52.019	ug/l	99
46) Dibromomethane	9.465	93	97245	52.775	ug/l	98
47) Bromodichloromethane	9.648	83	228018	52.770	ug/l	99
48) Methyl methacrylate	9.441	41	112627	52.773	ug/l	98
49) 1,4-Dioxane	9.465	88	24483	1134.460	ug/l #	64
51) 4-Methyl-2-Pentanone	10.209	43	682177	273.384	ug/l	99
52) Toluene	10.392	92	401889	53.153	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	222773	54.949	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	245135	53.337	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	125856	52.142	ug/l	96
56) Ethyl methacrylate	10.648	69	182364	55.690	ug/l	97
57) 1,3-Dichloropropane	10.934	76	221086	52.170	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	498195	276.291	ug/l	100
59) 2-Hexanone	10.971	43	478479	282.970	ug/l	99
60) Dibromochloromethane	11.135	129	157206	54.465	ug/l	99
61) 1,2-Dibromoethane	11.233	107	126491	52.348	ug/l	99
64) Tetrachloroethene	10.861	164	124904	50.637	ug/l	96
65) Chlorobenzene	11.654	112	444577	53.435	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.733	131	139201	52.503	ug/l	99
67) Ethyl Benzene	11.733	91	775778	53.772	ug/l	98
68) m/p-Xylenes	11.836	106	596862	107.620	ug/l	99
69) o-Xylene	12.166	106	282911	55.094	ug/l	95
70) Styrene	12.178	104	479978	54.068	ug/l	99
71) Bromoform	12.349	173	89905	56.842	ug/l #	99
73) Isopropylbenzene	12.464	105	748062	54.917	ug/l	100
74) N-amyl acetate	12.269	43	205671	56.018	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.714	83	162369	53.691	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	124022m	53.592	ug/l	
77) Bromobenzene	12.745	156	166043	54.654	ug/l	87
78) n-propylbenzene	12.800	91	865732	53.075	ug/l	99
79) 2-Chlorotoluene	12.891	91	522222	53.166	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	611949	54.273	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	56716	57.083	ug/l	99
82) 4-Chlorotoluene	12.989	91	551892	53.517	ug/l	99
83) tert-Butylbenzene	13.202	119	531985	55.080	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	621516	54.403	ug/l	99
85) sec-Butylbenzene	13.379	105	792244	54.649	ug/l	100
86) p-Isopropyltoluene	13.495	119	659648	55.212	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	322764	52.975	ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	317905	50.977	ug/l	97
89) n-Butylbenzene	13.818	91	630269	54.295	ug/l	99
90) Hexachloroethane	14.086	117	113434	52.627	ug/l	91
91) 1,2-Dichlorobenzene	13.867	146	286451	51.439	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.482	75	31975	54.150	ug/l	98
93) 1,2,4-Trichlorobenzene	15.122	180	180373	52.520	ug/l	99
94) Hexachlorobutadiene	15.226	225	90807	54.757	ug/l	92
95) Naphthalene	15.360	128	478905	56.879	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	179854	56.994	ug/l	96

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

