

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031836.D
 Acq On : 14 Jul 2025 09:17
 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 : Semsettin Yesilyurt 07/15/2025
 Supervised By : Mahesh Dadoda 07/16/2025

Quant Time: Jul 15 02:38:13 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	228359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	408363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	364073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	165994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	163719	49.957	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	99.920%		
35) Dibromofluoromethane	7.904	113	135594	50.884	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	101.760%		
50) Toluene-d8	10.325	98	501344	50.556	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	101.120%		
62) 4-Bromofluorobenzene	12.617	95	190344	52.159	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	104.320%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	63969	41.132	ug/l	96
3) Chloromethane	2.259	50	86331	46.044	ug/l	100
4) Vinyl Chloride	2.405	62	121195	49.178	ug/l	99
5) Bromomethane	2.826	94	91454	47.511	ug/l	94
6) Chloroethane	2.972	64	81712	48.812	ug/l	99
7) Trichlorofluoromethane	3.302	101	104149	46.535	ug/l	96
8) Diethyl Ether	3.722	74	89402	52.568	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	121817	49.037	ug/l	99
10) Methyl Iodide	4.301	142	179422	46.850	ug/l	99
11) Tert butyl alcohol	5.228	59	47679	234.834	ug/l	98
12) 1,1-Dichloroethene	4.082	96	134474	49.420	ug/l	97
13) Acrolein	3.929	56	74569	204.345	ug/l	97
14) Allyl chloride	4.704	41	218285	52.285	ug/l	98
15) Acrylonitrile	5.405	53	207277	247.845	ug/l	100
16) Acetone	4.161	43	166058	205.003	ug/l	97
17) Carbon Disulfide	4.417	76	339643	46.646	ug/l	98
18) Methyl Acetate	4.704	43	121927	52.667	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	257679	55.794	ug/l	99
20) Methylene Chloride	4.954	84	171174	53.404	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	144928	50.126	ug/l	95
22) Diisopropyl ether	6.338	45	457833	56.229	ug/l	98
23) Vinyl Acetate	6.283	43	1479600	266.040	ug/l	99
24) 1,1-Dichloroethane	6.246	63	276940	52.462	ug/l	99
25) 2-Butanone	7.191	43	260514	247.209	ug/l	99
26) 2,2-Dichloropropane	7.185	77	151089	49.055	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	180662	54.359	ug/l	98
28) Bromochloromethane	7.526	49	123572	53.046	ug/l	98
29) Tetrahydrofuran	7.551	42	180200	249.693	ug/l	99
30) Chloroform	7.691	83	298589	53.231	ug/l	98
31) Cyclohexane	7.971	56	223869	47.976	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	218753	50.605	ug/l	99
36) 1,1-Dichloropropene	8.093	75	200704	52.050	ug/l	99
37) Ethyl Acetate	7.270	43	121937	50.129	ug/l	99
38) Carbon Tetrachloride	8.087	117	198434	50.500	ug/l	97
39) Methylcyclohexane	9.343	83	243562	50.768	ug/l	98
40) Benzene	8.337	78	609486	53.424	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	68476	52.550	ug/l	96
42) 1,2-Dichloroethane	8.410	62	205872	53.407	ug/l	99
43) Isopropyl Acetate	8.435	43	221026	52.713	ug/l	99
44) Trichloroethene	9.099	130	145311	51.032	ug/l	99
45) 1,2-Dichloropropane	9.374	63	151020	54.772	ug/l	97
46) Dibromomethane	9.465	93	94610	53.148	ug/l	95
47) Bromodichloromethane	9.648	83	227412	54.479	ug/l	99
48) Methyl methacrylate	9.441	41	109666	53.191	ug/l	97
49) 1,4-Dioxane	9.471	88	20626	989.318	ug/l #	100
51) 4-Methyl-2-Pentanone	10.215	43	626257	259.792	ug/l	99
52) Toluene	10.392	92	394081	53.951	ug/l	96
53) t-1,3-Dichloropropene	10.611	75	219316	55.997	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	248851	56.048	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	125673	53.895	ug/l	96
56) Ethyl methacrylate	10.648	69	181859	57.487	ug/l	98
57) 1,3-Dichloropropane	10.934	76	222671	54.390	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	453835	260.532	ug/l	98
59) 2-Hexanone	10.971	43	430301	263.418	ug/l	99
60) Dibromochloromethane	11.129	129	152023	54.520	ug/l	100
61) 1,2-Dibromoethane	11.239	107	122012	52.269	ug/l	96
64) Tetrachloroethene	10.867	164	115170	48.361	ug/l	95
65) Chlorobenzene	11.654	112	419361	52.207	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.727	131	135360	52.880	ug/l	98
67) Ethyl Benzene	11.733	91	740477	53.161	ug/l	98
68) m/p-Xylenes	11.837	106	572560	106.930	ug/l	100
69) o-Xylene	12.166	106	273433	55.153	ug/l	97
70) Styrene	12.178	104	465805	54.348	ug/l	99
71) Bromoform	12.349	173	78814	51.612	ug/l	99
73) Isopropylbenzene	12.464	105	692398	54.837	ug/l	99
74) N-amyl acetate	12.269	43	198710	58.389	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.708	83	152803	54.511	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	115411m	53.802	ug/l	
77) Bromobenzene	12.745	156	150491	53.439	ug/l	95
78) n-propylbenzene	12.800	91	836655	55.335	ug/l	100
79) 2-Chlorotoluene	12.885	91	524436	57.600	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	589302	56.384	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	51795	56.239	ug/l	98
82) 4-Chlorotoluene	12.989	91	535657	56.037	ug/l	98
83) tert-Butylbenzene	13.202	119	508480	56.796	ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	600386	56.696	ug/l	96
85) sec-Butylbenzene	13.379	105	740756	55.125	ug/l	99
86) p-Isopropyltoluene	13.495	119	600369	54.212	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	310240	54.933	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	301024	52.075	ug/l	97
89) n-Butylbenzene	13.818	91	596003	55.390	ug/l	100
90) Hexachloroethane	14.086	117	107848	53.979	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	277144	53.691	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	27594	50.415	ug/l	96
93) 1,2,4-Trichlorobenzene	15.123	180	163066	51.224	ug/l	98
94) Hexachlorobutadiene	15.232	225	77336	50.310	ug/l	90
95) Naphthalene	15.360	128	424393	54.377	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	158213	54.088	ug/l	98

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

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