

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
 Data File : VW031834.D
 Acq On : 11 Jul 2025 20:34
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Jul 11 23:49:30 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	7.965	168	207314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	416284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	368719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	172637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	167666	56.355	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 112.700%			
35) Dibromofluoromethane	7.904	113	135137	49.748	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 99.500%			
50) Toluene-d8	10.331	98	510725	50.522	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 101.040%			
62) 4-Bromofluorobenzene	12.617	95	195875	52.653	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 105.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	61839	43.799	ug/l	97
3) Chloromethane	2.259	50	83684	49.163	ug/l	98
4) Vinyl Chloride	2.411	62	109357	48.879	ug/l	95
5) Bromomethane	2.832	94	79894	45.719	ug/l	98
6) Chloroethane	2.978	64	72227	47.526	ug/l	100
7) Trichlorofluoromethane	3.308	101	94893	46.703	ug/l	96
8) Diethyl Ether	3.728	74	85005	55.057	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.106	101	107931	47.857	ug/l	98
10) Methyl Iodide	4.313	142	166618	47.923	ug/l	99
11) Tert butyl alcohol	5.222	59	46362	251.527	ug/l	97
12) 1,1-Dichloroethene	4.088	96	120335	48.713	ug/l	96
13) Acrolein	3.942	56	35067	105.851	ug/l	95
14) Allyl chloride	4.710	41	200596	52.925	ug/l	96
15) Acrylonitrile	5.411	53	206451	271.916	ug/l	99
16) Acetone	4.167	43	149809	203.717	ug/l	100
17) Carbon Disulfide	4.429	76	298700	45.187	ug/l	97
18) Methyl Acetate	4.716	43	143219	68.145	ug/l	99
19) Methyl tert-butyl Ether	5.472	73	250086	59.646	ug/l	99
20) Methylene Chloride	4.960	84	169036	58.704	ug/l	99
21) trans-1,2-Dichloroethene	5.460	96	138963	52.942	ug/l	92
22) Diisopropyl ether	6.344	45	447865	60.588	ug/l	97
23) Vinyl Acetate	6.289	43	1382101	273.736	ug/l	99
24) 1,1-Dichloroethane	6.252	63	265049	55.306	ug/l	99
25) 2-Butanone	7.197	43	262018	273.876	ug/l	99
26) 2,2-Dichloropropane	7.191	77	122172	43.693	ug/l	96
27) cis-1,2-Dichloroethene	7.197	96	177581	58.856	ug/l	95
28) Bromochloromethane	7.532	49	124464	58.853	ug/l	99
29) Tetrahydrofuran	7.557	42	184803	282.066	ug/l	99
30) Chloroform	7.697	83	288798	56.712	ug/l	100
31) Cyclohexane	7.977	56	200801	47.401	ug/l	99
32) 1,1,1-Trichloroethane	7.892	97	198414	50.559	ug/l	99
36) 1,1-Dichloropropene	8.099	75	185132	47.098	ug/l	99
37) Ethyl Acetate	7.276	43	119165	48.057	ug/l	99
38) Carbon Tetrachloride	8.081	117	174803	43.640	ug/l	94
39) Methylcyclohexane	9.343	83	227529	46.524	ug/l	100
40) Benzene	8.337	78	594981	51.160	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	71560	53.872	ug/l	96
42) 1,2-Dichloroethane	8.416	62	199983	50.892	ug/l	99
43) Isopropyl Acetate	8.435	43	225115	52.666	ug/l	98
44) Trichloroethene	9.105	130	140340	48.349	ug/l	95
45) 1,2-Dichloropropane	9.380	63	145787	51.868	ug/l	97
46) Dibromomethane	9.465	93	93833	51.709	ug/l	95
47) Bromodichloromethane	9.654	83	216974	50.989	ug/l	99
48) Methyl methacrylate	9.441	41	112244	53.406	ug/l	99
49) 1,4-Dioxane	9.471	88	19731	928.382	ug/l #	97
51) 4-Methyl-2-Pentanone	10.215	43	641114	260.894	ug/l	99
52) Toluene	10.392	92	379207	50.927	ug/l	97
53) t-1,3-Dichloropropene	10.611	75	209795	52.547	ug/l	99
54) cis-1,3-Dichloropropene	10.081	75	232815	51.439	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	123945	52.143	ug/l	98
56) Ethyl methacrylate	10.648	69	185788	57.612	ug/l	98
57) 1,3-Dichloropropane	10.934	76	222248	53.254	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	485427	273.365	ug/l	98
59) 2-Hexanone	10.971	43	446537	268.156	ug/l	98
60) Dibromochloromethane	11.129	129	143738	50.568	ug/l	96
61) 1,2-Dibromoethane	11.239	107	123213	51.779	ug/l	99
64) Tetrachloroethene	10.861	164	109945	45.585	ug/l	93
65) Chlorobenzene	11.660	112	418090	51.393	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	131837	50.855	ug/l	99
67) Ethyl Benzene	11.733	91	711372	50.428	ug/l	98
68) m/p-Xylenes	11.843	106	547489	100.959	ug/l	100
69) o-Xylene	12.166	106	270449	53.864	ug/l	97
70) Styrene	12.178	104	470098	54.158	ug/l	99
71) Bromoform	12.349	173	77635	50.199	ug/l #	96
73) Isopropylbenzene	12.464	105	683844	52.076	ug/l	99
74) N-amyl acetate	12.269	43	196759	55.591	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	155634	53.384	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	121837m	54.612	ug/l	
77) Bromobenzene	12.745	156	157161	53.660	ug/l	87
78) n-propylbenzene	12.800	91	806066	51.260	ug/l	97
79) 2-Chlorotoluene	12.891	91	513625	54.242	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	567411	52.201	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	45865	47.884	ug/l	95
82) 4-Chlorotoluene	12.989	91	518466	52.152	ug/l	99
83) tert-Butylbenzene	13.202	119	480826	51.641	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	573732	52.094	ug/l	99
85) sec-Butylbenzene	13.379	105	704343	50.399	ug/l	99
86) p-Isopropyltoluene	13.495	119	583621	50.671	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	294482	50.137	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	302817	50.370	ug/l	99
89) n-Butylbenzene	13.818	91	568038	50.760	ug/l	99
90) Hexachloroethane	14.086	117	99924	48.089	ug/l	94
91) 1,2-Dichlorobenzene	13.867	146	285381	53.159	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.482	75	27402	48.137	ug/l	99
93) 1,2,4-Trichlorobenzene	15.129	180	164639	49.728	ug/l	97
94) Hexachlorobutadiene	15.226	225	68686	42.963	ug/l	92
95) Naphthalene	15.360	128	452492	55.747	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	159131	52.309	ug/l	98

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

