

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072425\
 Data File : VW031927.D
 Acq On : 24 Jul 2025 15:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/25/2025
 Supervised By :Semsettin Yesilyurt 07/25/2025

Quant Time: Jul 25 03:45:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.971	168	212614	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	405503	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	370262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	168977	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	158612	49.315	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	98.620%		
35) Dibromofluoromethane	7.898	113	135941	49.335	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	98.680%		
50) Toluene-d8	10.331	98	503118	48.245	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	96.480%		
62) 4-Bromofluorobenzene	12.617	95	196070	48.964	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	97.920%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	73463	46.490	ug/l	100
3) Chloromethane	2.259	50	95192	46.934	ug/l	97
4) Vinyl Chloride	2.405	62	121165	45.989	ug/l	98
5) Bromomethane	2.826	94	87442	45.071	ug/l	93
6) Chloroethane	2.978	64	82032	47.175	ug/l	96
7) Trichlorofluoromethane	3.308	101	114054	42.741	ug/l	94
8) Diethyl Ether	3.722	74	84038	47.145	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	119912	46.718	ug/l	99
10) Methyl Iodide	4.320	142	176770	46.062	ug/l	99
11) Tert butyl alcohol	5.228	59	53567	283.336	ug/l	99
12) 1,1-Dichloroethene	4.082	96	130335	45.973	ug/l	96
13) Acrolein	3.929	56	41666	156.733	ug/l	100
14) Allyl chloride	4.704	41	202365	45.853	ug/l	99
15) Acrylonitrile	5.411	53	207564	260.453	ug/l	98
16) Acetone	4.161	43	156846	205.507	ug/l	99
17) Carbon Disulfide	4.429	76	328602	44.692	ug/l	98
18) Methyl Acetate	4.716	43	118464	56.339	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	252262	51.499	ug/l	99
20) Methylene Chloride	4.960	84	146855	44.476	ug/l	98
21) trans-1,2-Dichloroethene	5.466	96	143581	47.734	ug/l	94
22) Diisopropyl ether	6.344	45	438050	49.604	ug/l	97
23) Vinyl Acetate	6.289	43	1479605	256.456	ug/l	98
24) 1,1-Dichloroethane	6.252	63	269048	48.933	ug/l	98
25) 2-Butanone	7.197	43	268355	256.984	ug/l	98
26) 2,2-Dichloropropane	7.191	77	141299	45.393	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	176581	49.935	ug/l	99
28) Bromochloromethane	7.532	49	115715	50.265	ug/l	96
29) Tetrahydrofuran	7.551	42	187718	274.185	ug/l	100
30) Chloroform	7.697	83	286549	49.705	ug/l	98
31) Cyclohexane	7.971	56	221654	44.935	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	206163	46.996	ug/l	98
36) 1,1-Dichloropropene	8.099	75	193903	45.823	ug/l	99
37) Ethyl Acetate	7.276	43	121777	50.447	ug/l	98
38) Carbon Tetrachloride	8.087	117	186843	46.008	ug/l	100
39) Methylcyclohexane	9.343	83	245816	46.160	ug/l	99
40) Benzene	8.337	78	596495	47.619	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	73771	51.052	ug/l	98
42) 1,2-Dichloroethane	8.416	62	194350	48.478	ug/l	100
43) Isopropyl Acetate	8.441	43	226753	51.888	ug/l	100
44) Trichloroethene	9.099	130	140583	47.216	ug/l	99
45) 1,2-Dichloropropane	9.380	63	146315	48.500	ug/l	97
46) Dibromomethane	9.465	93	92279	49.345	ug/l	97
47) Bromodichloromethane	9.654	83	218291	48.679	ug/l	99
48) Methyl methacrylate	9.441	41	109619	52.725	ug/l	100
49) 1,4-Dioxane	9.465	88	21763	1166.284	ug/l #	81
51) 4-Methyl-2-Pentanone	10.215	43	634610	265.350	ug/l	100
52) Toluene	10.392	92	388900	48.296	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	211364	49.137	ug/l	100
54) cis-1,3-Dichloropropene	10.081	75	238856	48.624	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	123905	49.880	ug/l	96
56) Ethyl methacrylate	10.648	69	184965	52.723	ug/l	99
57) 1,3-Dichloropropane	10.934	76	217229	49.639	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	472775	262.358	ug/l	100
59) 2-Hexanone	10.971	43	443266	266.643	ug/l	99
60) Dibromochloromethane	11.129	129	143491	49.544	ug/l	100
61) 1,2-Dibromoethane	11.239	107	124278	50.632	ug/l	98
64) Tetrachloroethene	10.867	164	108311	44.368	ug/l	98
65) Chlorobenzene	11.660	112	422682	46.644	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	133230	47.424	ug/l	98
67) Ethyl Benzene	11.733	91	749887	47.098	ug/l	99
68) m/p-Xylenes	11.837	106	568834	94.902	ug/l	98
69) o-Xylene	12.166	106	271794	47.915	ug/l	100
70) Styrene	12.178	104	478997	49.597	ug/l	99
71) Bromoform	12.349	173	73066	47.556	ug/l #	99
73) Isopropylbenzene	12.464	105	697687	47.586	ug/l	99
74) N-amyl acetate	12.269	43	202346	51.050	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	157779	50.699	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	117595m	50.405	ug/l	
77) Bromobenzene	12.745	156	157079	49.516	ug/l	94
78) n-propylbenzene	12.800	91	852503	47.343	ug/l	99
79) 2-Chlorotoluene	12.891	91	503752	46.855	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	588262	47.840	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	48781	48.274	ug/l	98
82) 4-Chlorotoluene	12.989	91	524830	46.531	ug/l	99
83) tert-Butylbenzene	13.202	119	498527	47.596	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	586809	47.149	ug/l	99
85) sec-Butylbenzene	13.379	105	744345	47.322	ug/l	99
86) p-Isopropyltoluene	13.495	119	615942	47.376	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	302258	45.773	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	300821	46.504	ug/l	100
89) n-Butylbenzene	13.818	91	606628	47.564	ug/l	99
90) Hexachloroethane	14.086	117	104067	46.290	ug/l	96
91) 1,2-Dichlorobenzene	13.867	146	274040	46.827	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.482	75	27630	49.142	ug/l	99
93) 1,2,4-Trichlorobenzene	15.129	180	177690	50.347	ug/l	87
94) Hexachlorobutadiene	15.226	225	80239	47.979	ug/l	95
95) Naphthalene	15.360	128	449803	51.839	ug/l	99
96) 1,2,3-Trichlorobenzene	15.555	180	145154	45.393	ug/l	97

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

