

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072825\
 Data File : VW031948.D
 Acq On : 28 Jul 2025 16:09
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/29/2025
 Supervised By :Semsettin Yesilyurt 07/29/2025

Quant Time: Jul 29 01:22:11 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	7.959	168	202112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	368729	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	334628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	158135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	150163	49.114	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	98.220%		
35) Dibromofluoromethane	7.904	113	127437	50.862	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	101.720%		
50) Toluene-d8	10.331	98	476913	50.293	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	100.580%		
62) 4-Bromofluorobenzene	12.617	95	184032	50.542	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	101.080%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.046	85	74849	49.828	ug/l	99
3) Chloromethane	2.259	50	99087	51.393	ug/l	99
4) Vinyl Chloride	2.405	62	128983	51.500	ug/l	98
5) Bromomethane	2.826	94	94045	50.993	ug/l	95
6) Chloroethane	2.972	64	85782	51.895	ug/l	98
7) Trichlorofluoromethane	3.302	101	125672	49.542	ug/l	96
8) Diethyl Ether	3.722	74	85113	50.229	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	127794	52.376	ug/l	98
10) Methyl Iodide	4.320	142	181988	49.886	ug/l	98
11) Tert butyl alcohol	5.228	59	56840	316.270	ug/l	98
12) 1,1-Dichloroethene	4.082	96	137200	50.910	ug/l	98
13) Acrolein	3.929	56	31561	121.879	ug/l	98
14) Allyl chloride	4.710	41	206004	49.103	ug/l	99
15) Acrylonitrile	5.405	53	216953	286.380	ug/l	99
16) Acetone	4.161	43	177690	244.915	ug/l	98
17) Carbon Disulfide	4.423	76	346459	49.569	ug/l	98
18) Methyl Acetate	4.710	43	127151	63.612	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	255891	54.954	ug/l	98
20) Methylene Chloride	4.960	84	156350	50.427	ug/l	94
21) trans-1,2-Dichloroethene	5.460	96	150154	52.513	ug/l	94
22) Diisopropyl ether	6.344	45	445460	53.064	ug/l	100
23) Vinyl Acetate	6.283	43	1500605	273.611	ug/l	99
24) 1,1-Dichloroethane	6.246	63	277606	53.113	ug/l	99
25) 2-Butanone	7.197	43	289598	291.737	ug/l	99
26) 2,2-Dichloropropane	7.191	77	142081	48.016	ug/l	97
27) cis-1,2-Dichloroethene	7.197	96	183650	54.632	ug/l	99
28) Bromochloromethane	7.532	49	115789	52.911	ug/l	100
29) Tetrahydrofuran	7.557	42	198959	305.704	ug/l	99
30) Chloroform	7.697	83	297052	54.205	ug/l	98
31) Cyclohexane	7.971	56	232569	49.598	ug/l	96
32) 1,1,1-Trichloroethane	7.892	97	220817	52.952	ug/l	97
36) 1,1-Dichloropropene	8.093	75	208286	54.131	ug/l	99
37) Ethyl Acetate	7.276	43	127206	57.952	ug/l	99
38) Carbon Tetrachloride	8.081	117	200438	54.278	ug/l	94
39) Methylcyclohexane	9.343	83	266386	55.011	ug/l	98
40) Benzene	8.337	78	623185	54.712	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	77168	58.728	ug/l	97
42) 1,2-Dichloroethane	8.416	62	200896	55.109	ug/l	99
43) Isopropyl Acetate	8.441	43	229259	57.693	ug/l	99
44) Trichloroethene	9.099	130	147857	54.612	ug/l	92
45) 1,2-Dichloropropane	9.380	63	149950	54.663	ug/l	97
46) Dibromomethane	9.471	93	94655	55.664	ug/l	99
47) Bromodichloromethane	9.654	83	226334	55.507	ug/l	100
48) Methyl methacrylate	9.447	41	112921	59.730	ug/l	99
49) 1,4-Dioxane	9.465	88	26174	1542.561	ug/l	90
51) 4-Methyl-2-Pentanone	10.215	43	665407	305.975	ug/l	100
52) Toluene	10.392	92	403429	55.097	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	217336	55.564	ug/l	100
54) cis-1,3-Dichloropropene	10.081	75	245347	54.926	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	131100	58.040	ug/l	96
56) Ethyl methacrylate	10.648	69	189896	59.527	ug/l	98
57) 1,3-Dichloropropane	10.934	76	226860	57.009	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	480787	293.413	ug/l	98
59) 2-Hexanone	10.971	43	466859	308.844	ug/l	99
60) Dibromochloromethane	11.129	129	145493	55.246	ug/l	97
61) 1,2-Dibromoethane	11.239	107	127924	57.315	ug/l	98
64) Tetrachloroethene	10.867	164	119658	54.236	ug/l	92
65) Chlorobenzene	11.660	112	436093	53.248	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	139513	54.949	ug/l	97
67) Ethyl Benzene	11.733	91	760722	52.866	ug/l	95
68) m/p-Xylenes	11.837	106	588605	108.658	ug/l	97
69) o-Xylene	12.166	106	278415	54.309	ug/l	100
70) Styrene	12.178	104	490794	56.230	ug/l	99
71) Bromoform	12.349	173	80220	57.772	ug/l #	98
73) Isopropylbenzene	12.465	105	713643	52.012	ug/l	99
74) N-amyl acetate	12.269	43	209227	56.405	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.714	83	165097	56.687	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	124077m	56.830	ug/l	
77) Bromobenzene	12.751	156	161175	54.291	ug/l	92
78) n-propylbenzene	12.800	91	879900	52.214	ug/l	100
79) 2-Chlorotoluene	12.891	91	518522	51.535	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	589727	51.247	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	52849	55.885	ug/l	97
82) 4-Chlorotoluene	12.989	91	549614	52.070	ug/l	98
83) tert-Butylbenzene	13.202	119	521978	53.252	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	607142	52.127	ug/l	98
85) sec-Butylbenzene	13.379	105	758192	51.507	ug/l	98
86) p-Isopropyltoluene	13.495	119	644920	53.006	ug/l	97
87) 1,3-Dichlorobenzene	13.495	146	309988	50.162	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	307290	50.761	ug/l	99
89) n-Butylbenzene	13.818	91	637777	53.435	ug/l	99
90) Hexachloroethane	14.092	117	110737	52.634	ug/l	94
91) 1,2-Dichlorobenzene	13.867	146	292925	53.486	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.482	75	30246	57.483	ug/l	95
93) 1,2,4-Trichlorobenzene	15.129	180	177070	53.611	ug/l	93
94) Hexachlorobutadiene	15.232	225	79229	50.623	ug/l	93
95) Naphthalene	15.360	128	469318	57.796	ug/l	98
96) 1,2,3-Trichlorobenzene	15.549	180	156227	52.206	ug/l	94

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

