

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071625\
 Data File : VW031877.D
 Acq On : 16 Jul 2025 16:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 17 04:05:41 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

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	211215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	408001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	367335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	172411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	167110	55.130	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 110.260%			
35) Dibromofluoromethane	7.904	113	136176	51.148	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 102.300%			
50) Toluene-d8	10.331	98	514850	51.964	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 103.920%			
62) 4-Bromofluorobenzene	12.617	95	197308	54.115	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 108.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	75043	52.169	ug/l	99
3) Chloromethane	2.259	50	101655	58.618	ug/l	96
4) Vinyl Chloride	2.411	62	116349	51.044	ug/l	97
5) Bromomethane	2.832	94	77565	43.566	ug/l	99
6) Chloroethane	2.978	64	73189	47.270	ug/l	94
7) Trichlorofluoromethane	3.314	101	97896	47.291	ug/l	94
8) Diethyl Ether	3.722	74	85592	54.413	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	109148	47.503	ug/l	99
10) Methyl Iodide	4.313	142	153164	43.240	ug/l	99
11) Tert butyl alcohol	5.234	59	53056	282.528	ug/l	97
12) 1,1-Dichloroethene	4.082	96	120451	47.860	ug/l	97
13) Acrolein	3.936	56	81018	240.039	ug/l	97
14) Allyl chloride	4.704	41	187787	48.631	ug/l	97
15) Acrylonitrile	5.411	53	206292	266.688	ug/l	100
16) Acetone	4.167	43	155000	206.884	ug/l	98
17) Carbon Disulfide	4.435	76	317425	47.133	ug/l	98
18) Methyl Acetate	4.716	43	117500	54.875	ug/l	100
19) Methyl tert-butyl Ether	5.472	73	240156	56.220	ug/l	99
20) Methylene Chloride	4.966	84	145545	48.563	ug/l	95
21) trans-1,2-Dichloroethene	5.460	96	139324	52.099	ug/l	98
22) Diisopropyl ether	6.344	45	439149	58.312	ug/l	98
23) Vinyl Acetate	6.289	43	1514345	294.389	ug/l	100
24) 1,1-Dichloroethane	6.252	63	268633	55.019	ug/l	100
25) 2-Butanone	7.203	43	277683	284.889	ug/l	97
26) 2,2-Dichloropropane	7.191	77	125397	44.019	ug/l	98
27) cis-1,2-Dichloroethene	7.197	96	175253	57.012	ug/l	97
28) Bromochloromethane	7.532	49	117494	54.531	ug/l	97
29) Tetrahydrofuran	7.557	42	194529	291.427	ug/l	99
30) Chloroform	7.697	83	284761	54.887	ug/l	99
31) Cyclohexane	7.971	56	209808	48.612	ug/l	99
32) 1,1,1-Trichloroethane	7.892	97	193479	48.391	ug/l	98
36) 1,1-Dichloropropene	8.099	75	193838	50.314	ug/l	99
37) Ethyl Acetate	7.276	43	127674	52.534	ug/l	99
38) Carbon Tetrachloride	8.087	117	181999	46.359	ug/l	98
39) Methylcyclohexane	9.343	83	248120	51.764	ug/l	98
40) Benzene	8.337	78	587248	51.521	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	73057	56.116	ug/l	95
42) 1,2-Dichloroethane	8.416	62	200093	51.954	ug/l	99
43) Isopropyl Acetate	8.441	43	235152	56.131	ug/l	99
44) Trichloroethene	9.105	130	137945	48.488	ug/l	95
45) 1,2-Dichloropropane	9.380	63	146714	53.257	ug/l	97
46) Dibromomethane	9.471	93	94370	53.061	ug/l	97
47) Bromodichloromethane	9.654	83	220868	52.958	ug/l	99
48) Methyl methacrylate	9.447	41	115836	56.233	ug/l	99
49) 1,4-Dioxane	9.465	88	19800	950.542	ug/l #	86
51) 4-Methyl-2-Pentanone	10.215	43	657679	273.068	ug/l	99
52) Toluene	10.392	92	388838	53.281	ug/l	95
53) t-1,3-Dichloropropene	10.611	75	217374	55.551	ug/l	100
54) cis-1,3-Dichloropropene	10.081	75	245334	55.305	ug/l	94
55) 1,1,2-Trichloroethane	10.788	97	124424	53.407	ug/l	99
56) Ethyl methacrylate	10.648	69	193923	61.355	ug/l	97
57) 1,3-Dichloropropane	10.934	76	221018	54.035	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	500958	287.839	ug/l	98
59) 2-Hexanone	10.971	43	465504	285.221	ug/l	99
60) Dibromochloromethane	11.135	129	141904	50.936	ug/l	95
61) 1,2-Dibromoethane	11.239	107	126241	54.128	ug/l	99
64) Tetrachloroethene	10.867	164	111095	46.236	ug/l	94
65) Chlorobenzene	11.660	112	406455	50.151	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.733	131	136188	52.731	ug/l	96
67) Ethyl Benzene	11.727	91	743566	52.909	ug/l	95
68) m/p-Xylenes	11.837	106	554027	102.550	ug/l	99
69) o-Xylene	12.166	106	275794	55.135	ug/l	98
70) Styrene	12.178	104	481102	55.635	ug/l	99
71) Bromoform	12.349	173	77257	50.143	ug/l #	97
73) Isopropylbenzene	12.458	105	690543	52.655	ug/l	99
74) N-amyl acetate	12.269	43	215586	60.990	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	158080	54.294	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	121415m	54.494	ug/l	
77) Bromobenzene	12.745	156	160879	55.002	ug/l	88
78) n-propylbenzene	12.800	91	843966	53.741	ug/l	97
79) 2-Chlorotoluene	12.891	91	507768	53.694	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	595609	54.867	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.513	75	50208	52.487	ug/l	98
82) 4-Chlorotoluene	12.989	91	521598	52.536	ug/l	98
83) tert-Butylbenzene	13.202	119	492871	53.004	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	589275	53.575	ug/l	99
85) sec-Butylbenzene	13.379	105	730189	52.316	ug/l	100
86) p-Isopropyltoluene	13.495	119	616046	53.557	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	297788	50.766	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	303026	50.471	ug/l	95
89) n-Butylbenzene	13.818	91	583555	52.215	ug/l	98
90) Hexachloroethane	14.092	117	101581	48.950	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	278246	51.898	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.482	75	28751	50.573	ug/l	98
93) 1,2,4-Trichlorobenzene	15.129	180	168002	50.810	ug/l	98
94) Hexachlorobutadiene	15.232	225	73804	46.225	ug/l	94
95) Naphthalene	15.360	128	483151	59.602	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	157909	51.975	ug/l	95

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

