

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091825\
 Data File : VW032192.D
 Acq On : 18 Sep 2025 09:56
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/19/2025
 Supervised By :Semsettin Yesilyurt 09/19/2025

Quant Time: Sep 19 04:30:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	193478	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	336786	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	314172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	158021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	139424	50.388	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 100.780%			
35) Dibromofluoromethane	7.898	113	114529	48.470	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 96.940%			
50) Toluene-d8	10.325	98	419729	50.601	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 101.200%			
62) 4-Bromofluorobenzene	12.617	95	150024	48.911	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 97.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	60265	47.178	ug/l	96
3) Chloromethane	2.253	50	71699	53.534	ug/l	100
4) Vinyl Chloride	2.405	62	94797	54.495	ug/l	99
5) Bromomethane	2.826	94	80717	51.960	ug/l	98
6) Chloroethane	2.966	64	68006	55.512	ug/l	97
7) Trichlorofluoromethane	3.302	101	87584	50.814	ug/l	93
8) Diethyl Ether	3.716	74	65226	50.710	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.094	101	102341	52.708	ug/l	97
10) Methyl Iodide	4.314	142	149554	50.585	ug/l	100
11) Tert butyl alcohol	5.216	59	38669	228.473	ug/l	99
12) 1,1-Dichloroethene	4.070	96	106681	52.171	ug/l	98
13) Acrolein	3.923	56	13643	52.440	ug/l	97
14) Allyl chloride	4.698	41	143909	49.546	ug/l	95
15) Acrylonitrile	5.399	53	152708	244.193	ug/l	99
16) Acetone	4.155	43	148585	247.952	ug/l	99
17) Carbon Disulfide	4.423	76	243969	47.703	ug/l	100
18) Methyl Acetate	4.704	43	105011	54.999	ug/l	98
19) Methyl tert-butyl Ether	5.460	73	196795	50.965	ug/l	98
20) Methylene Chloride	4.954	84	118341	48.048	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	111882	48.979	ug/l	95
22) Diisopropyl ether	6.338	45	335202	53.025	ug/l	97
23) Vinyl Acetate	6.283	43	1079786	251.229	ug/l	99
24) 1,1-Dichloroethane	6.240	63	209313	50.576	ug/l	98
25) 2-Butanone	7.191	43	211946	249.596	ug/l	99
26) 2,2-Dichloropropane	7.191	77	119036	54.314	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	140092	50.399	ug/l	98
28) Bromochloromethane	7.526	49	100551	53.075	ug/l #	9
29) Tetrahydrofuran	7.551	42	133719	247.808	ug/l	98
30) Chloroform	7.691	83	245395	51.934	ug/l	100
31) Cyclohexane	7.971	56	162783	47.922	ug/l	99
32) 1,1,1-Trichloroethane	7.886	97	176668	51.218	ug/l	99
36) 1,1-Dichloropropene	8.093	75	154065	50.288	ug/l	99
37) Ethyl Acetate	7.270	43	87316	47.510	ug/l	98
38) Carbon Tetrachloride	8.087	117	166492	50.694	ug/l	96
39) Methylcyclohexane	9.343	83	185011	50.985	ug/l	96
40) Benzene	8.331	78	474223	50.076	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	50926	49.875	ug/l	94
42) 1,2-Dichloroethane	8.410	62	163701	49.864	ug/l	99
43) Isopropyl Acetate	8.435	43	169389	49.129	ug/l	100
44) Trichloroethene	9.099	130	116657	48.984	ug/l	95
45) 1,2-Dichloropropane	9.374	63	115397	50.549	ug/l	100
46) Dibromomethane	9.465	93	78166	48.817	ug/l	97
47) Bromodichloromethane	9.648	83	186000	51.117	ug/l	97
48) Methyl methacrylate	9.441	41	80387	50.592	ug/l	98
49) 1,4-Dioxane	9.459	88	17840	922.143	ug/l #	97
51) 4-Methyl-2-Pentanone	10.209	43	483993	248.606	ug/l	99
52) Toluene	10.392	92	306336	49.501	ug/l	97
53) t-1,3-Dichloropropene	10.611	75	162068	50.489	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	188113	51.360	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	101514	48.754	ug/l	100
56) Ethyl methacrylate	10.648	69	133985	50.333	ug/l	98
57) 1,3-Dichloropropane	10.934	76	169441	48.600	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	376216	264.786	ug/l	99
59) 2-Hexanone	10.971	43	338363	249.905	ug/l	97
60) Dibromochloromethane	11.129	129	124716	49.500	ug/l	97
61) 1,2-Dibromoethane	11.239	107	97560	47.647	ug/l	98
64) Tetrachloroethene	10.867	164	91071	44.043	ug/l #	69
65) Chlorobenzene	11.660	112	338550	47.343	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.727	131	117435	49.881	ug/l	98
67) Ethyl Benzene	11.727	91	588613	50.238	ug/l	98
68) m/p-Xylenes	11.843	106	456137	101.156	ug/l	98
69) o-Xylene	12.166	106	215301	50.478	ug/l	99
70) Styrene	12.178	104	382107	50.820	ug/l	99
71) Bromoform	12.349	173	68271	48.825	ug/l #	99
73) Isopropylbenzene	12.465	105	552468	51.462	ug/l	99
74) N-amyl acetate	12.269	43	158321	50.796	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	127056	49.801	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	90581m	45.755	ug/l	
77) Bromobenzene	12.745	156	134900	49.276	ug/l	98
78) n-propylbenzene	12.800	91	696362	53.428	ug/l	96
79) 2-Chlorotoluene	12.891	91	411581	51.641	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	479730	52.780	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.507	75	37569	51.095	ug/l	98
82) 4-Chlorotoluene	12.989	91	434338	50.911	ug/l	99
83) tert-Butylbenzene	13.202	119	407726	52.905	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	496385	52.787	ug/l	99
85) sec-Butylbenzene	13.379	105	611769	53.168	ug/l	98
86) p-Isopropyltoluene	13.495	119	506988	51.812	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	275956	50.063	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	261846	47.392	ug/l	98
89) n-Butylbenzene	13.818	91	496984	53.272	ug/l	98
90) Hexachloroethane	14.092	117	93063	51.995	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	241861	49.559	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.476	75	21666	48.070	ug/l	91
93) 1,2,4-Trichlorobenzene	15.129	180	147349	47.257	ug/l	96
94) Hexachlorobutadiene	15.226	225	67433	43.606	ug/l	98
95) Naphthalene	15.360	128	342939	48.598	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	137072	47.270	ug/l	97

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

