

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092925\
 Data File : VW032296.D
 Acq On : 29 Sep 2025 15:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 30 02:37:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 07:11:42 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/03/2025
 Supervised By : Mahesh Dadoda 10/03/2025

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	243483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	424985	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	389862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	196973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	177665	46.212	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	92.420%		
35) Dibromofluoromethane	7.904	113	145756	47.689	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	95.380%		
50) Toluene-d8	10.331	98	517004	46.936	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	93.880%		
62) 4-Bromofluorobenzene	12.617	95	205610	49.486	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	98.980%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.039	85	64904	38.583	ug/l	94
3) Chloromethane	2.253	50	93051	38.652	ug/l	89
4) Vinyl Chloride	2.405	62	118812	42.239	ug/l	100
5) Bromomethane	2.820	94	83761	43.609	ug/l	93
6) Chloroethane	2.972	64	82807	43.445	ug/l	100
7) Trichlorofluoromethane	3.301	101	93405	44.072	ug/l	97
8) Diethyl Ether	3.722	74	87355	43.590	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	119523	44.182	ug/l	98
10) Methyl Iodide	4.313	142	168853	46.147	ug/l	99
11) Tert butyl alcohol	5.228	59	61757	231.415	ug/l	100
12) 1,1-Dichloroethene	4.076	96	127818	44.200	ug/l	95
13) Acrolein	3.929	56	76625	161.322	ug/l	95
14) Allyl chloride	4.704	41	212239	47.292	ug/l	98
15) Acrylonitrile	5.405	53	248193	240.470	ug/l	99
16) Acetone	4.167	43	230076	233.028	ug/l	99
17) Carbon Disulfide	4.417	76	290954	43.760	ug/l	99
18) Methyl Acetate	4.710	43	202333	59.586	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	263138	49.090	ug/l	99
20) Methylene Chloride	4.954	84	167816	46.505	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	143979	46.172	ug/l	91
22) Diisopropyl ether	6.344	45	493405	49.477	ug/l	100
23) Vinyl Acetate	6.283	43	1535297	239.312	ug/l	97
24) 1,1-Dichloroethane	6.246	63	289888	46.049	ug/l	99
25) 2-Butanone	7.197	43	344470	250.307	ug/l	96
26) 2,2-Dichloropropane	7.191	77	145781	46.993	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	179265	46.222	ug/l	99
28) Bromochloromethane	7.532	49	141151	46.989	ug/l #	100
29) Tetrahydrofuran	7.557	42	222927	249.520	ug/l	98
30) Chloroform	7.691	83	305100	46.450	ug/l	98
31) Cyclohexane	7.971	56	216754	43.665	ug/l	93
32) 1,1,1-Trichloroethane	7.886	97	207706	46.940	ug/l	99
36) 1,1-Dichloropropene	8.099	75	197432	47.913	ug/l	100
37) Ethyl Acetate	7.276	43	133941	49.011	ug/l	98
38) Carbon Tetrachloride	8.081	117	188401	48.598	ug/l	98
39) Methylcyclohexane	9.343	83	233596	48.993	ug/l	97
40) Benzene	8.337	78	629200	48.510	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	84413	53.932	ug/l	95
42) 1,2-Dichloroethane	8.416	62	206872	47.984	ug/l	99
43) Isopropyl Acetate	8.441	43	252752	51.667	ug/l	98
44) Trichloroethene	9.099	130	143307	47.269	ug/l	93
45) 1,2-Dichloropropane	9.374	63	165511	49.269	ug/l	98
46) Dibromomethane	9.465	93	102728	49.738	ug/l	99
47) Bromodichloromethane	9.654	83	231201	49.080	ug/l	97
48) Methyl methacrylate	9.447	41	124725	54.194	ug/l	99
49) 1,4-Dioxane	9.465	88	27961	1010.824	ug/l #	94
51) 4-Methyl-2-Pentanone	10.215	43	769949	265.454	ug/l	98
52) Toluene	10.392	92	395740	49.227	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	223431	51.768	ug/l	98
54) cis-1,3-Dichloropropene	10.081	75	252123	50.599	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	137969	48.939	ug/l	98
56) Ethyl methacrylate	10.648	69	197137	53.086	ug/l	99
57) 1,3-Dichloropropane	10.934	76	238661	49.003	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.928	63	588892	288.881	ug/l	100
59) 2-Hexanone	10.971	43	549496	277.422	ug/l	97
60) Dibromochloromethane	11.129	129	158774	51.281	ug/l	98
61) 1,2-Dibromoethane	11.239	107	128673	48.176	ug/l	97
64) Tetrachloroethene	10.867	164	116065	48.852	ug/l #	90
65) Chlorobenzene	11.660	112	449377	50.041	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.733	131	148426	52.262	ug/l	98
67) Ethyl Benzene	11.727	91	774243	52.673	ug/l	98
68) m/p-Xylenes	11.836	106	586975	104.172	ug/l	96
69) o-Xylene	12.166	106	274656	51.866	ug/l	99
70) Styrene	12.178	104	498206	53.649	ug/l	99
71) Bromoform	12.349	173	85000	51.358	ug/l #	96
73) Isopropylbenzene	12.464	105	707636	51.616	ug/l	99
74) N-amyl acetate	12.269	43	232494	53.851	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	179164	49.844	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	138115m	50.967	ug/l	
77) Bromobenzene	12.745	156	171611	50.892	ug/l	91
78) n-propylbenzene	12.800	91	895254	51.987	ug/l	99
79) 2-Chlorotoluene	12.891	91	530618	50.866	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	593955	50.674	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.507	75	56223	53.890	ug/l	97
82) 4-Chlorotoluene	12.989	91	568375	51.554	ug/l	95
83) tert-Butylbenzene	13.202	119	514158	52.451	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	609419	51.209	ug/l	99
85) sec-Butylbenzene	13.379	105	770512	52.344	ug/l	100
86) p-Isopropyltoluene	13.495	119	654074	53.652	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	333570	50.010	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	334395	49.075	ug/l	95
89) n-Butylbenzene	13.818	91	629517	51.454	ug/l	100
90) Hexachloroethane	14.086	117	115395	50.786	ug/l	97
91) 1,2-Dichlorobenzene	13.867	146	310856	49.820	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	32219	52.404	ug/l	95
93) 1,2,4-Trichlorobenzene	15.129	180	194660	52.587	ug/l	96
94) Hexachlorobutadiene	15.232	225	87110	51.240	ug/l	88
95) Naphthalene	15.354	128	470168	52.921	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	177918	51.691	ug/l	97

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

