

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
 Data File : VW032401.D
 Acq On : 20 Oct 2025 19:42
 Operator : SY/MD
 Sample : Q3395-04MSD
 Misc : 5.26g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PR132-S07-000102-20251017MSD

Quant Time: Oct 21 01:35:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/21/2025
 Supervised By :Semsettin Yesilyurt 10/21/2025

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	130782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	279199	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	138787	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	56507	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	136748	71.688	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 143.380%	
35) Dibromofluoromethane	7.898	113	100041	55.329	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 110.660%	
50) Toluene-d8	10.325	98	253753	38.025	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 76.040%	
62) 4-Bromofluorobenzene	12.617	95	157361	62.387	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 124.780%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	52822	64.364	ug/l	99
3) Chloromethane	2.253	50	75282	59.450	ug/l	100
4) Vinyl Chloride	2.405	62	102567	67.844	ug/l	99
5) Bromomethane	2.826	94	44187	39.773	ug/l	96
6) Chloroethane	2.972	64	68961	69.091	ug/l	99
7) Trichlorofluoromethane	3.308	101	66087	58.384	ug/l	95
8) Diethyl Ether	3.722	74	73907	75.349	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.100	101	44036	32.435	ug/l	93
10) Methyl Iodide	4.320	142	50850	26.250	ug/l	97
11) Tert butyl alcohol	5.222	59	75049	519.775	ug/l	97
12) 1,1-Dichloroethene	4.082	96	94160	63.883	ug/l	94
13) Acrolein	3.930	56	2999	12.798	ug/l #	19
14) Allyl chloride	4.704	41	135448	54.407	ug/l #	84
15) Acrylonitrile	5.405	53	240618	471.545	ug/l	99
16) Acetone	4.161	43	580324	1098.716	ug/l	98
17) Carbon Disulfide	4.423	76	221685	55.123	ug/l	97
18) Methyl Acetate	4.710	43	457494	302.369	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	255361	87.963	ug/l	96
20) Methylene Chloride	4.954	84	126451	74.993	ug/l	94
21) trans-1,2-Dichloroethene	5.466	96	94598	57.969	ug/l	88
22) Diisopropyl ether	6.344	45	349916	67.584	ug/l #	86
23) Vinyl Acetate	6.289	43	77605m	22.441	ug/l	
24) 1,1-Dichloroethane	6.246	63	210102	66.794	ug/l	99
25) 2-Butanone	7.191	43	513309	713.565	ug/l	99
26) 2,2-Dichloropropane	7.185	77	93628	58.190	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	125024	63.774	ug/l	95
28) Bromochloromethane	7.533	49	96675	65.324	ug/l	91
29) Tetrahydrofuran	7.551	42	237996	526.094	ug/l	97
30) Chloroform	7.691	83	210422	65.961	ug/l	99
31) Cyclohexane	7.971	56	57852	21.543	ug/l	90
32) 1,1,1-Trichloroethane	7.892	97	121484	53.740	ug/l	98
36) 1,1-Dichloropropene	8.093	75	95367	37.373	ug/l	98
37) Ethyl Acetate	7.270	43	78517	46.227	ug/l	99
38) Carbon Tetrachloride	8.081	117	53145	22.132	ug/l	94
39) Methylcyclohexane	9.343	83	162622	52.833	ug/l	90
40) Benzene	8.337	78	431403	53.936	ug/l	96

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41) Methacrylonitrile	7.502	41	79555	86.912	ug/l	93
42) 1,2-Dichloroethane	8.417	62	162425	62.062	ug/l	96
43) Isopropyl Acetate	8.435	43	200980	66.702	ug/l	95
44) Trichloroethene	9.099	130	80877	43.184	ug/l	85
45) 1,2-Dichloropropane	9.374	63	103840	52.012	ug/l	98
46) Dibromomethane	9.465	93	73347	59.746	ug/l	94
47) Bromodichloromethane	9.648	83	149758	53.334	ug/l	98
48) Methyl methacrylate	9.441	41	149868	102.301	ug/l #	85
49) 1,4-Dioxane	9.465	88	32295	1924.641	ug/l	92
51) 4-Methyl-2-Pentanone	10.215	43	750570	430.079	ug/l	99
52) Toluene	10.392	92	174217	34.976	ug/l	97
53) t-1,3-Dichloropropene	10.611	75	81420	29.888	ug/l	96
54) cis-1,3-Dichloropropene	10.075	75	75068	23.923	ug/l	94
55) 1,1,2-Trichloroethane	10.788	97	93942m	57.254	ug/l	
56) Ethyl methacrylate	10.648	69	190171	82.806	ug/l #	88
57) 1,3-Dichloropropane	10.934	76	166043	57.297	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	451813	369.660	ug/l	98
59) 2-Hexanone	10.971	43	508947	413.489	ug/l	96
60) Dibromochloromethane	11.129	129	84725	45.476	ug/l	98
61) 1,2-Dibromoethane	11.239	107	85044	53.156	ug/l	86
64) Tetrachloroethene	10.861	164	33334	40.139	ug/l	89
65) Chlorobenzene	11.654	112	146469	47.965	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	49817	52.378	ug/l	93
67) Ethyl Benzene	11.733	91	187188	36.775	ug/l	97
68) m/p-Xylenes	11.837	106	142028	72.361	ug/l	97
69) o-Xylene	12.160	106	90497	49.303	ug/l	85
70) Styrene	12.178	104	117611	36.699	ug/l	98
71) Bromoform	12.349	173	41979	77.002	ug/l #	97
73) Isopropylbenzene	12.458	105	108042	27.947	ug/l	97
74) N-amyl acetate	12.251	43	403370	327.067	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	12.708	83	93525	97.431	ug/l #	19
76) 1,2,3-Trichloropropane	12.763	75	90597m	121.835	ug/l	
77) Bromobenzene	12.745	156	45993	49.353	ug/l	73
78) n-propylbenzene	12.800	91	103177	21.366	ug/l	88
79) 2-Chlorotoluene	12.891	91	91803	31.091	ug/l	87
80) 1,3,5-Trimethylbenzene	12.940	105	135924	40.661	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	5452	18.574	ug/l #	1
82) 4-Chlorotoluene	12.989	91	81339	25.910	ug/l	92
83) tert-Butylbenzene	13.202	119	49134m	17.914	ug/l	
84) 1,2,4-Trimethylbenzene	13.245	105	154424	45.430	ug/l	98
85) sec-Butylbenzene	13.379	105	110678	26.405	ug/l	84
86) p-Isopropyltoluene	13.495	119	76135	21.891	ug/l	94
87) 1,3-Dichlorobenzene	13.495	146	40247	21.328	ug/l #	9
88) 1,4-Dichlorobenzene	13.574	146	43876	23.253	ug/l #	1
89) n-Butylbenzene	13.818	91	41218	12.138	ug/l #	73
90) Hexachloroethane	14.086	117	16448	26.385	ug/l #	35
91) 1,2-Dichlorobenzene	13.867	146	42271	24.780	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.483	75	15424	91.774	ug/l	72
93) 1,2,4-Trichlorobenzene	15.123	180	17111	16.728	ug/l #	1
94) Hexachlorobutadiene	15.220	225	2717	5.810	ug/l	96
95) Naphthalene	15.360	128	204142	83.105	ug/l	99
96) 1,2,3-Trichlorobenzene	15.562	180	12612	13.081	ug/l #	1

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

