

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
 Data File : VW032468.D
 Acq On : 18 Nov 2025 09:46
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 19 00:21:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

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

Internal Standards						
1) Pentafluorobenzene	7.953	168	361815	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	661363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	600329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	279351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	251373	53.889	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 107.780%			
35) Dibromofluoromethane	7.898	113	204750	51.708	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 103.420%			
50) Toluene-d8	10.325	98	791488	52.103	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 104.200%			
62) 4-Bromofluorobenzene	12.617	95	302447	52.705	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 105.400%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.040	85	89228	48.607	ug/l	93
3) Chloromethane	2.253	50	148231	47.110	ug/l	99
4) Vinyl Chloride	2.405	62	207226	52.184	ug/l	98
5) Bromomethane	2.820	94	135648	51.066	ug/l	97
6) Chloroethane	2.966	64	137506	52.926	ug/l	96
7) Trichlorofluoromethane	3.302	101	161132	51.754	ug/l	98
8) Diethyl Ether	3.716	74	133402	52.407	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	178005	52.485	ug/l	97
10) Methyl Iodide	4.301	142	278915	51.060	ug/l	99
11) Tert butyl alcohol	5.210	59	100305	248.678	ug/l	99
12) 1,1-Dichloroethene	4.076	96	198619	51.072	ug/l	92
13) Acrolein	3.930	56	120834	178.551	ug/l	98
14) Allyl chloride	4.704	41	389538	52.086	ug/l	99
15) Acrylonitrile	5.393	53	397601	270.151	ug/l	99
16) Acetone	4.155	43	376221	269.586	ug/l	99
17) Carbon Disulfide	4.417	76	587827	51.141	ug/l	100
18) Methyl Acetate	4.704	43	196845	56.960	ug/l	98
19) Methyl tert-butyl Ether	5.460	73	434104	52.954	ug/l	99
20) Methylene Chloride	4.948	84	254757	51.045	ug/l	96
21) trans-1,2-Dichloroethene	5.454	96	231569	52.075	ug/l	98
22) Diisopropyl ether	6.338	45	813639	53.434	ug/l	95
23) Vinyl Acetate	6.277	43	2788164	267.258	ug/l	99
24) 1,1-Dichloroethane	6.240	63	446364	53.504	ug/l	99
25) 2-Butanone	7.191	43	535856	260.631	ug/l	98
26) 2,2-Dichloropropane	7.185	77	235710	50.697	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	279779	52.655	ug/l	98
28) Bromochloromethane	7.526	49	212694	53.942	ug/l	97
29) Tetrahydrofuran	7.551	42	360143	275.981	ug/l	99
30) Chloroform	7.691	83	438755	53.723	ug/l	98
31) Cyclohexane	7.971	56	380474	49.303	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	308241	52.833	ug/l	98
36) 1,1-Dichloropropene	8.093	75	312041	53.484	ug/l	99
37) Ethyl Acetate	7.270	43	240035	55.329	ug/l	98
38) Carbon Tetrachloride	8.081	117	276301	53.299	ug/l	98
39) Methylcyclohexane	9.343	83	389889	51.586	ug/l	90
40) Benzene	8.331	78	994834	52.949	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	136068	57.095	ug/l	95
42) 1,2-Dichloroethane	8.410	62	303224	54.944	ug/l	100
43) Isopropyl Acetate	8.429	43	411851	53.613	ug/l	99
44) Trichloroethene	9.099	130	224520	51.355	ug/l	92
45) 1,2-Dichloropropane	9.374	63	251613	53.782	ug/l	97
46) Dibromomethane	9.465	93	146373	53.541	ug/l	98
47) Bromodichloromethane	9.648	83	331569	53.168	ug/l	94
48) Methyl methacrylate	9.441	41	192161	52.642	ug/l	93
49) 1,4-Dioxane	9.459	88	41520	1084.124	ug/l #	99
51) 4-Methyl-2-Pentanone	10.209	43	1190307	280.288	ug/l	99
52) Toluene	10.386	92	615596	53.044	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	341094	53.109	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	397223	53.482	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	201824	53.814	ug/l	96
56) Ethyl methacrylate	10.648	69	308598	53.628	ug/l	99
57) 1,3-Dichloropropane	10.934	76	364222	54.374	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.922	63	824892	269.175	ug/l	100
59) 2-Hexanone	10.965	43	842820	271.260	ug/l	99
60) Dibromochloromethane	11.129	129	229117	54.705	ug/l	96
61) 1,2-Dibromoethane	11.233	107	192605	52.728	ug/l	99
64) Tetrachloroethene	10.861	164	181935	51.177	ug/l	93
65) Chlorobenzene	11.660	112	683155	52.797	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.727	131	206652	51.606	ug/l	100
67) Ethyl Benzene	11.727	91	1165404	52.053	ug/l	100
68) m/p-Xylenes	11.837	106	879989	104.685	ug/l	99
69) o-Xylene	12.160	106	416410	51.736	ug/l	100
70) Styrene	12.178	104	749932	54.163	ug/l	98
71) Bromoform	12.349	173	122012	51.441	ug/l	96
73) Isopropylbenzene	12.458	105	1046985	51.031	ug/l	98
74) N-amyl acetate	12.269	43	374507	52.531	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.708	83	259052	53.204	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	184675m	48.214	ug/l	
77) Bromobenzene	12.745	156	243636	50.156	ug/l	92
78) n-propylbenzene	12.800	91	1304152	52.197	ug/l	99
79) 2-Chlorotoluene	12.885	91	791141	51.870	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	869708	51.383	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	88381	52.849	ug/l	98
82) 4-Chlorotoluene	12.983	91	825619	52.044	ug/l	98
83) tert-Butylbenzene	13.202	119	748267	50.819	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	881411	51.198	ug/l	98
85) sec-Butylbenzene	13.379	105	1130247	51.542	ug/l	99
86) p-Isopropyltoluene	13.495	119	923050	50.982	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	478644	51.971	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	472264	50.052	ug/l	98
89) n-Butylbenzene	13.818	91	890478	50.342	ug/l	100
90) Hexachloroethane	14.086	117	164982	50.539	ug/l	92
91) 1,2-Dichlorobenzene	13.867	146	446439	52.805	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.476	75	43390	51.729	ug/l	97
93) 1,2,4-Trichlorobenzene	15.129	180	255341	47.459	ug/l	94
94) Hexachlorobutadiene	15.226	225	113755	50.900	ug/l	96
95) Naphthalene	15.360	128	677528	50.499	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	237374	48.597	ug/l	96

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

