

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
 Data File : VW032565.D
 Acq On : 03 Dec 2025 12:15
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC020

Quant Time: Dec 04 03:48:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:43:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/04/2025
 Supervised By : Semsettin Yesilyurt 12/04/2025

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	354106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	652216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	585368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	292330	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	107014	20.307	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	40.620%#
35) Dibromofluoromethane	7.904	113	85926	20.020	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	40.040%#
50) Toluene-d8	10.330	98	329350	20.393	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	40.780%#
62) 4-Bromofluorobenzene	12.617	95	119554	20.036	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	40.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.039	85	45094	20.573	ug/l	98
3) Chloromethane	2.253	50	77066	19.126	ug/l	97
4) Vinyl Chloride	2.405	62	97813	20.009	ug/l	99
5) Bromomethane	2.814	94	64173	19.767	ug/l	100
6) Chloroethane	2.966	64	62102	19.668	ug/l	99
7) Trichlorofluoromethane	3.307	101	76041	20.068	ug/l	96
8) Diethyl Ether	3.722	74	55024	19.644	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	78932	19.704	ug/l	96
10) Methyl Iodide	4.313	142	118458	19.607	ug/l	99
11) Tert butyl alcohol	5.222	59	41657	102.773	ug/l #	84
12) 1,1-Dichloroethene	4.082	96	91225	20.198	ug/l	94
13) Acrolein	3.929	56	75457	105.033	ug/l	97
14) Allyl chloride	4.703	41	163949	19.829	ug/l	99
15) Acrylonitrile	5.405	53	148239	100.775	ug/l	99
16) Acetone	4.161	43	152244	92.454	ug/l	99
17) Carbon Disulfide	4.423	76	262936	19.650	ug/l	96
18) Methyl Acetate	4.710	43	65559	19.330	ug/l	99
19) Methyl tert-butyl Ether	5.465	73	168712	20.040	ug/l	98
20) Methylene Chloride	4.959	84	111957	19.011	ug/l	95
21) trans-1,2-Dichloroethene	5.459	96	95997	19.452	ug/l	94
22) Diisopropyl ether	6.337	45	336499	20.393	ug/l	92
23) Vinyl Acetate	6.282	43	1108410	101.376	ug/l	99
24) 1,1-Dichloroethane	6.246	63	188266	19.652	ug/l	99
25) 2-Butanone	7.191	43	209926	99.335	ug/l	100
26) 2,2-Dichloropropane	7.191	77	110084	19.822	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	112996	19.667	ug/l	99
28) Bromochloromethane	7.532	49	86379	20.072	ug/l	100
29) Tetrahydrofuran	7.557	42	130189	103.175	ug/l	98
30) Chloroform	7.691	83	186659	19.633	ug/l	94
31) Cyclohexane	7.971	56	164964	19.528	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	134867	19.545	ug/l	99
36) 1,1-Dichloropropene	8.099	75	131768	20.128	ug/l	99
37) Ethyl Acetate	7.276	43	96856	21.379	ug/l	97
38) Carbon Tetrachloride	8.081	117	119740	19.687	ug/l	94
39) Methylcyclohexane	9.343	83	153883	19.250	ug/l	98
40) Benzene	8.337	78	416343	19.957	ug/l	98

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41) Methacrylonitrile	7.502	41	45081	18.390	ug/l #	86
42) 1,2-Dichloroethane	8.410	62	129904	20.309	ug/l	99
43) Isopropyl Acetate	8.434	43	157195	20.186	ug/l	98
44) Trichloroethene	9.105	130	92695	19.880	ug/l	92
45) 1,2-Dichloropropane	9.373	63	105047	20.272	ug/l	93
46) Dibromomethane	9.465	93	60249	20.106	ug/l	93
47) Bromodichloromethane	9.654	83	137937	19.640	ug/l	99
48) Methyl methacrylate	9.440	41	69599	19.661	ug/l	90
49) 1,4-Dioxane	9.465	88	15254	426.023	ug/l #	98
51) 4-Methyl-2-Pentanone	10.215	43	450329	104.510	ug/l	99
52) Toluene	10.391	92	254918	20.279	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	132492	19.664	ug/l	98
54) cis-1,3-Dichloropropene	10.074	75	158793	20.082	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	80719	20.112	ug/l	95
56) Ethyl methacrylate	10.647	69	109870	19.795	ug/l	98
57) 1,3-Dichloropropane	10.934	76	147871	20.644	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	308913	106.221	ug/l	100
59) 2-Hexanone	10.971	43	315866	102.931	ug/l	100
60) Dibromochloromethane	11.129	129	88181	19.603	ug/l	98
61) 1,2-Dibromoethane	11.233	107	78002	20.436	ug/l	98
64) Tetrachloroethene	10.867	164	79706	20.415	ug/l	95
65) Chlorobenzene	11.659	112	278309	20.121	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.733	131	84480	19.748	ug/l	98
67) Ethyl Benzene	11.733	91	468508	19.956	ug/l	96
68) m/p-Xylenes	11.836	106	361347	40.483	ug/l	97
69) o-Xylene	12.165	106	164729	20.152	ug/l	93
70) Styrene	12.178	104	294546	20.542	ug/l	99
71) Bromoform	12.348	173	45074	19.160	ug/l #	99
73) Isopropylbenzene	12.464	105	425288	19.612	ug/l	99
74) N-amyl acetate	12.269	43	140066	19.512	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	102128	20.006	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	79697m	20.005	ug/l	
77) Bromobenzene	12.745	156	102395	19.975	ug/l	95
78) n-propylbenzene	12.800	91	553122	19.993	ug/l	100
79) 2-Chlorotoluene	12.891	91	324394	19.666	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	366405	19.802	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	31878	18.954	ug/l	89
82) 4-Chlorotoluene	12.989	91	347070	19.674	ug/l	100
83) tert-Butylbenzene	13.202	119	295478	19.362	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	362195	19.596	ug/l	100
85) sec-Butylbenzene	13.379	105	457306	19.429	ug/l	99
86) p-Isopropyltoluene	13.495	119	381008	19.653	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	201194	19.196	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	202337	19.450	ug/l	96
89) n-Butylbenzene	13.818	91	378562	19.229	ug/l	99
90) Hexachloroethane	14.092	117	70062	18.870	ug/l	95
91) 1,2-Dichlorobenzene	13.860	146	182294	19.828	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	16959	19.268	ug/l	98
93) 1,2,4-Trichlorobenzene	15.128	180	106514	19.023	ug/l	99
94) Hexachlorobutadiene	15.226	225	46952	18.217	ug/l	97
95) Naphthalene	15.360	128	239140m	19.044	ug/l	
96) 1,2,3-Trichlorobenzene	15.543	180	94710	18.619	ug/l	99

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

