

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
 Data File : VW032564.D
 Acq On : 03 Dec 2025 11:53
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

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

Quant Time: Dec 04 03:47:17 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

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	330308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	626134	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	566322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	273817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	52521	10.685	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	21.360%#		
35) Dibromofluoromethane	7.904	113	43820	10.635	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	21.260%#		
50) Toluene-d8	10.325	98	160418	10.347	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	20.700%#		
62) 4-Bromofluorobenzene	12.617	95	60879	10.628	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	21.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.052	85	22235	10.875	ug/l	85
3) Chloromethane	2.253	50	40740	10.839	ug/l	97
4) Vinyl Chloride	2.405	62	49498	10.855	ug/l	98
5) Bromomethane	2.826	94	32910	10.867	ug/l	98
6) Chloroethane	2.966	64	31105	10.561	ug/l	97
7) Trichlorofluoromethane	3.308	101	37086	10.493	ug/l	97
8) Diethyl Ether	3.722	74	26008	9.954	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.112	101	40145	10.744	ug/l	97
10) Methyl Iodide	4.313	142	59318	10.525	ug/l	98
11) Tert butyl alcohol	5.210	59	17312	45.788	ug/l	97
12) 1,1-Dichloroethene	4.082	96	42827	10.165	ug/l	96
13) Acrolein	3.929	56	34504	51.489	ug/l	99
14) Allyl chloride	4.716	41	77275	10.020	ug/l	98
15) Acrylonitrile	5.411	53	61570	44.872	ug/l	99
16) Acetone	4.167	43	65763	42.813	ug/l	97
17) Carbon Disulfide	4.423	76	129151	10.347	ug/l	97
18) Methyl Acetate	4.710	43	29025	9.175	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	74063	9.431	ug/l	98
20) Methylene Chloride	4.960	84	60300	10.977	ug/l	92
21) trans-1,2-Dichloroethene	5.466	96	47812	10.386	ug/l	96
22) Diisopropyl ether	6.338	45	152577	9.913	ug/l #	86
23) Vinyl Acetate	6.289	43	459918	45.095	ug/l	99
24) 1,1-Dichloroethane	6.252	63	92647	10.368	ug/l	100
25) 2-Butanone	7.197	43	84810	43.023	ug/l	98
26) 2,2-Dichloropropane	7.185	77	55479	10.710	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	52987	9.887	ug/l	97
28) Bromochloromethane	7.532	49	42963	10.703	ug/l	98
29) Tetrahydrofuran	7.557	42	49007	41.636	ug/l	99
30) Chloroform	7.691	83	92816	10.466	ug/l	97
31) Cyclohexane	7.971	56	83450	10.590	ug/l #	92
32) 1,1,1-Trichloroethane	7.892	97	69677	10.825	ug/l	96
36) 1,1-Dichloropropene	8.099	75	63944	10.174	ug/l	100
37) Ethyl Acetate	7.276	43	38079	8.755	ug/l #	97
38) Carbon Tetrachloride	8.087	117	61515	10.535	ug/l	97
39) Methylcyclohexane	9.343	83	75025	9.776	ug/l	96
40) Benzene	8.337	78	203773	10.174	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	19313	8.207	ug/l #	86
42) 1,2-Dichloroethane	8.410	62	60476	9.848	ug/l	100
43) Isopropyl Acetate	8.435	43	65319	8.737	ug/l	97
44) Trichloroethene	9.105	130	45770	10.225	ug/l	96
45) 1,2-Dichloropropane	9.380	63	49414	9.933	ug/l	97
46) Dibromomethane	9.465	93	27840	9.678	ug/l	96
47) Bromodichloromethane	9.654	83	66233	9.823	ug/l	98
48) Methyl methacrylate	9.447	41	28214	8.302	ug/l	91
49) 1,4-Dioxane	9.471	88	5369	156.195	ug/l #	91
51) 4-Methyl-2-Pentanone	10.215	43	177813	42.985	ug/l	99
52) Toluene	10.392	92	118964	9.858	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	58771	9.086	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	71885	9.470	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	37500	9.733	ug/l	93
56) Ethyl methacrylate	10.648	69	43338	8.133	ug/l	97
57) 1,3-Dichloropropane	10.934	76	66163	9.622	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	124255	44.505	ug/l	99
59) 2-Hexanone	10.971	43	121485	41.237	ug/l	97
60) Dibromochloromethane	11.129	129	41704	9.657	ug/l	94
61) 1,2-Dibromoethane	11.239	107	35385	9.657	ug/l	94
64) Tetrachloroethene	10.867	164	36961	9.785	ug/l	93
65) Chlorobenzene	11.654	112	135094	10.096	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.733	131	40490	9.783	ug/l	99
67) Ethyl Benzene	11.727	91	218044	9.600	ug/l	99
68) m/p-Xylenes	11.837	106	169262	19.601	ug/l	97
69) o-Xylene	12.166	106	74183	9.380	ug/l	93
70) Styrene	12.178	104	132575	9.557	ug/l	100
71) Bromoform	12.343	173	21143	9.290	ug/l #	98
73) Isopropylbenzene	12.464	105	190301	9.369	ug/l	98
74) N-amyl acetate	12.269	43	56361	8.382	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	45108	9.434	ug/l	99
76) 1,2,3-Trichloropropane	12.769	75	34307m	9.194	ug/l	
77) Bromobenzene	12.745	156	46757	9.738	ug/l	94
78) n-propylbenzene	12.800	91	252814	9.756	ug/l	99
79) 2-Chlorotoluene	12.885	91	152792	9.889	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	167738	9.678	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	12793	8.121	ug/l	89
82) 4-Chlorotoluene	12.983	91	167445	10.133	ug/l	99
83) tert-Butylbenzene	13.202	119	138228	9.670	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	166786	9.634	ug/l	99
85) sec-Butylbenzene	13.379	105	221174	10.032	ug/l	99
86) p-Isopropyltoluene	13.495	119	174959	9.635	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	98770	10.061	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	102197	10.488	ug/l	98
89) n-Butylbenzene	13.818	91	180447	9.785	ug/l	96
90) Hexachloroethane	14.086	117	33804	9.720	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	85787	9.962	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.476	75	6691	8.116	ug/l	91
93) 1,2,4-Trichlorobenzene	15.129	180	47774	9.109	ug/l	99
94) Hexachlorobutadiene	15.232	225	24582	10.182	ug/l	94
95) Naphthalene	15.360	128	93809m	7.976	ug/l	
96) 1,2,3-Trichlorobenzene	15.549	180	44710	9.384	ug/l	99

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

