

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092525\
 Data File : VW032260.D
 Acq On : 25 Sep 2025 11:52
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
 Supervised By :Semsettin Yesilyurt 09/29/2025

Quant Time: Sep 26 06:48:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 06:41:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	243729	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	461392	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	434624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	226451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	84184	21.875	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	43.740%#		
35) Dibromofluoromethane	7.898	113	69983	21.091	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	42.180%#		
50) Toluene-d8	10.331	98	253179	21.171	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	42.340%#		
62) 4-Bromofluorobenzene	12.617	95	94235	20.891	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	41.780%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	38695	22.979	ug/l	96
3) Chloromethane	2.259	50	53411	22.164	ug/l	94
4) Vinyl Chloride	2.405	62	63783	22.653	ug/l	100
5) Bromomethane	2.820	94	42423	22.064	ug/l	87
6) Chloroethane	2.966	64	42305	22.173	ug/l	98
7) Trichlorofluoromethane	3.302	101	50606	23.853	ug/l	93
8) Diethyl Ether	3.722	74	42486	21.179	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.100	101	60885	22.484	ug/l	99
10) Methyl Iodide	4.308	142	81878	22.355	ug/l	100
11) Tert butyl alcohol	5.222	59	27601	103.322	ug/l #	86
12) 1,1-Dichloroethene	4.076	96	65285	22.553	ug/l	100
13) Acrolein	3.930	56	51881	109.117	ug/l	94
14) Allyl chloride	4.710	41	98036	21.823	ug/l	100
15) Acrylonitrile	5.405	53	113227	109.593	ug/l	98
16) Acetone	4.161	43	118108	119.503	ug/l	95
17) Carbon Disulfide	4.423	76	150468	22.608	ug/l	99
18) Methyl Acetate	4.710	43	62340	18.340	ug/l	97
19) Methyl tert-butyl Ether	5.466	73	117064	21.817	ug/l	100
20) Methylene Chloride	4.960	84	82214	18.228	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	68490	21.942	ug/l	100
22) Diisopropyl ether	6.344	45	224788	22.518	ug/l	99
23) Vinyl Acetate	6.289	43	731805	113.954	ug/l	98
24) 1,1-Dichloroethane	6.240	63	138225	21.935	ug/l	100
25) 2-Butanone	7.197	43	149616	108.608	ug/l	99
26) 2,2-Dichloropropane	7.185	77	65482	21.087	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	82208	21.175	ug/l	98
28) Bromochloromethane	7.533	49	63972	21.275	ug/l #	99
29) Tetrahydrofuran	7.557	42	97668	109.208	ug/l	100
30) Chloroform	7.691	83	145120	22.072	ug/l	99
31) Cyclohexane	7.971	56	111011	22.340	ug/l	98
32) 1,1,1-Trichloroethane	7.892	97	96016	21.677	ug/l	98
36) 1,1-Dichloropropene	8.093	75	96645	21.603	ug/l	99
37) Ethyl Acetate	7.276	43	65684	22.138	ug/l	100
38) Carbon Tetrachloride	8.081	117	93252	22.156	ug/l	98
39) Methylcyclohexane	9.343	83	110069	21.264	ug/l	97
40) Benzene	8.337	78	302446	21.478	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	36840	21.680	ug/l	96
42) 1,2-Dichloroethane	8.410	62	99043	21.160	ug/l	99
43) Isopropyl Acetate	8.441	43	111547	21.003	ug/l	99
44) Trichloroethene	9.105	130	70450	21.404	ug/l	85
45) 1,2-Dichloropropane	9.374	63	78048	21.400	ug/l	97
46) Dibromomethane	9.465	93	47056	20.986	ug/l	98
47) Bromodichloromethane	9.654	83	106511	20.826	ug/l #	97
48) Methyl methacrylate	9.447	41	51409	20.575	ug/l	96
49) 1,4-Dioxane	9.471	88	13201	439.575	ug/l #	96
51) 4-Methyl-2-Pentanone	10.215	43	341323	108.392	ug/l	99
52) Toluene	10.392	92	186350	21.351	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	96092	20.507	ug/l	96
54) cis-1,3-Dichloropropene	10.075	75	114070	21.086	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	66195	21.627	ug/l	98
56) Ethyl methacrylate	10.648	69	85321	21.163	ug/l	97
57) 1,3-Dichloropropane	10.934	76	113957	21.552	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	217872	98.444	ug/l	99
59) 2-Hexanone	10.971	43	234851	109.212	ug/l	97
60) Dibromochloromethane	11.129	129	68381	20.343	ug/l	98
61) 1,2-Dibromoethane	11.239	107	62256	21.470	ug/l	98
64) Tetrachloroethene	10.861	164	56103	21.182	ug/l	94
65) Chlorobenzene	11.660	112	214538	21.430	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.727	131	65613	20.723	ug/l	98
67) Ethyl Benzene	11.733	91	346566	21.149	ug/l	98
68) m/p-Xylenes	11.837	106	275886	43.920	ug/l	94
69) o-Xylene	12.166	106	123539	20.927	ug/l	96
70) Styrene	12.178	104	228628	22.084	ug/l	98
71) Bromoform	12.349	173	38000	20.596	ug/l #	96
73) Isopropylbenzene	12.465	105	326048	20.686	ug/l	97
74) N-amyl acetate	12.270	43	104936	21.142	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	85459	20.680	ug/l	99
76) 1,2,3-Trichloropropane	12.769	75	63465m	17.820	ug/l	
77) Bromobenzene	12.745	156	78661	20.291	ug/l	92
78) n-propylbenzene	12.800	91	404504	20.432	ug/l	100
79) 2-Chlorotoluene	12.891	91	245976	20.510	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	277878	20.621	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	23150	19.301	ug/l	90
82) 4-Chlorotoluene	12.989	91	259722	20.491	ug/l	99
83) tert-Butylbenzene	13.202	119	231761	20.565	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	285414	20.861	ug/l	100
85) sec-Butylbenzene	13.379	105	348797	20.611	ug/l	99
86) p-Isopropyltoluene	13.495	119	284908	20.328	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	150306	19.601	ug/l	95
88) 1,4-Dichlorobenzene	13.574	146	163717	20.899	ug/l	97
89) n-Butylbenzene	13.818	91	283445	20.152	ug/l	99
90) Hexachloroethane	14.092	117	53076	20.318	ug/l	91
91) 1,2-Dichlorobenzene	13.867	146	150614	20.996	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	14130	19.991	ug/l	96
93) 1,2,4-Trichlorobenzene	15.129	180	85426	20.074	ug/l	99
94) Hexachlorobutadiene	15.232	225	42929	21.964	ug/l	86
95) Naphthalene	15.360	128	203984	19.971	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	78000	19.712	ug/l	93

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

