

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
 Data File : VW032563.D
 Acq On : 03 Dec 2025 11:32
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Dec 04 03:46:24 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	7.959	168	337599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	647768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	587961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	285243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	24146	4.806	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	9.620%#		
35) Dibromofluoromethane	7.898	113	19409	4.553	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	9.100%#		
50) Toluene-d8	10.325	98	70497	4.395	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	8.800%#		
62) 4-Bromofluorobenzene	12.617	95	27064	4.567	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	9.140%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	11745	5.620	ug/l	97
3) Chloromethane	2.253	50	23916	6.226	ug/l	99
4) Vinyl Chloride	2.405	62	26611	5.710	ug/l	100
5) Bromomethane	2.826	94	17596	5.685	ug/l	87
6) Chloroethane	2.972	64	16488	5.477	ug/l	97
7) Trichlorofluoromethane	3.308	101	17528	4.852	ug/l	91
8) Diethyl Ether	3.722	74	14805	5.544	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.100	101	22003	5.761	ug/l	95
10) Methyl Iodide	4.301	142	30986	5.379	ug/l	99
11) Tert butyl alcohol	5.210	59	12021	31.107	ug/l #	90
12) 1,1-Dichloroethene	4.082	96	24532	5.697	ug/l	97
13) Acrolein	3.929	56	14031	20.486	ug/l	99
14) Allyl chloride	4.710	41	39548	5.017	ug/l	95
15) Acrylonitrile	5.405	53	35046	24.990	ug/l	98
16) Acetone	4.155	43	42770	27.243	ug/l	96
17) Carbon Disulfide	4.417	76	69063	5.414	ug/l	100
18) Methyl Acetate	4.704	43	17169	5.310	ug/l	97
19) Methyl tert-butyl Ether	5.466	73	39247	4.890	ug/l	94
20) Methylene Chloride	4.947	84	37790	6.731	ug/l	93
21) trans-1,2-Dichloroethene	5.460	96	25514	5.423	ug/l	94
22) Diisopropyl ether	6.344	45	74374	4.728	ug/l	94
23) Vinyl Acetate	6.283	43	234445	22.491	ug/l	100
24) 1,1-Dichloroethane	6.240	63	48443	5.304	ug/l	97
25) 2-Butanone	7.197	43	50415	25.022	ug/l	95
26) 2,2-Dichloropropane	7.179	77	31952	6.035	ug/l	93
27) cis-1,2-Dichloroethene	7.191	96	28489	5.201	ug/l	94
28) Bromochloromethane	7.532	49	18303	4.461	ug/l	100
29) Tetrahydrofuran	7.551	42	27445	22.814	ug/l	98
30) Chloroform	7.697	83	49239	5.432	ug/l	91
31) Cyclohexane	7.965	56	46760	5.806	ug/l #	83
32) 1,1,1-Trichloroethane	7.886	97	35253	5.359	ug/l	95
36) 1,1-Dichloropropene	8.093	75	31409	4.831	ug/l	95
37) Ethyl Acetate	7.270	43	21929	4.874	ug/l	98
38) Carbon Tetrachloride	8.081	117	31041	5.139	ug/l	96
39) Methylcyclohexane	9.343	83	38904	4.900	ug/l	97
40) Benzene	8.337	78	107478	5.187	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	10993	4.515	ug/l	92
42) 1,2-Dichloroethane	8.410	62	32662	5.141	ug/l	95
43) Isopropyl Acetate	8.435	43	35474	4.587	ug/l	97
44) Trichloroethene	9.099	130	23517	5.078	ug/l	89
45) 1,2-Dichloropropane	9.374	63	26115	5.074	ug/l	97
46) Dibromomethane	9.465	93	15246	5.123	ug/l	93
47) Bromodichloromethane	9.654	83	35354	5.068	ug/l	97
48) Methyl methacrylate	9.447	41	14152	4.025	ug/l	87
49) 1,4-Dioxane	9.465	88	2818	79.243	ug/l #	99
51) 4-Methyl-2-Pentanone	10.215	43	96966	22.658	ug/l	96
52) Toluene	10.392	92	59584	4.773	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	29929	4.472	ug/l	95
54) cis-1,3-Dichloropropene	10.075	75	36436	4.640	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	20691	5.191	ug/l	92
56) Ethyl methacrylate	10.648	69	22283	4.042	ug/l	97
57) 1,3-Dichloropropane	10.934	76	34854	4.899	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	58334	20.196	ug/l	98
59) 2-Hexanone	10.971	43	64754	21.246	ug/l	94
60) Dibromochloromethane	11.129	129	21956	4.915	ug/l	99
61) 1,2-Dibromoethane	11.239	107	18798	4.959	ug/l	100
64) Tetrachloroethene	10.861	164	21537	5.492	ug/l	92
65) Chlorobenzene	11.660	112	69373	4.993	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.733	131	21976	5.114	ug/l	98
67) Ethyl Benzene	11.733	91	111660	4.735	ug/l	97
68) m/p-Xylenes	11.836	106	83714	9.338	ug/l	100
69) o-Xylene	12.166	106	35889	4.371	ug/l	86
70) Styrene	12.178	104	62715	4.355	ug/l	98
71) Bromoform	12.349	173	11113	4.703	ug/l #	98
73) Isopropylbenzene	12.458	105	93249	4.407	ug/l	100
74) N-amyl acetate	12.269	43	29321	4.186	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.708	83	24544	4.927	ug/l	98
76) 1,2,3-Trichloropropane	12.769	75	21994m	5.658	ug/l	
77) Bromobenzene	12.745	156	24491	4.896	ug/l	92
78) n-propylbenzene	12.800	91	122353	4.532	ug/l	99
79) 2-Chlorotoluene	12.891	91	75884	4.715	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	81387	4.508	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	7071	4.309	ug/l	90
82) 4-Chlorotoluene	12.983	91	81465	4.733	ug/l	96
83) tert-Butylbenzene	13.202	119	65043	4.368	ug/l	95
84) 1,2,4-Trimethylbenzene	13.245	105	80428	4.459	ug/l	100
85) sec-Butylbenzene	13.379	105	105074	4.575	ug/l	100
86) p-Isopropyltoluene	13.495	119	86209	4.557	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	51565	5.042	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	52767	5.198	ug/l	90
89) n-Butylbenzene	13.818	91	89295	4.648	ug/l	98
90) Hexachloroethane	14.092	117	18792	5.187	ug/l	94
91) 1,2-Dichlorobenzene	13.867	146	46318	5.163	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.482	75	4657	5.423	ug/l	91
93) 1,2,4-Trichlorobenzene	15.129	180	26457	4.842	ug/l	95
94) Hexachlorobutadiene	15.226	225	13225	5.259	ug/l	98
95) Naphthalene	15.360	128	49446m	4.035	ug/l	
96) 1,2,3-Trichlorobenzene	15.549	180	23081	4.650	ug/l	99

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

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