

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121025\
 Data File : VW032614.D
 Acq On : 10 Dec 2025 13:25
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2025
 Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 11 01:50:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 01:49:39 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	361245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	654860	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	590353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	287329	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	66655	14.354	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	28.700%#
35) Dibromofluoromethane	7.904	113	54716	14.245	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	28.480%#
50) Toluene-d8	10.325	98	200199	11.912	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	23.820%#
62) 4-Bromofluorobenzene	12.617	95	75090	12.170	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	24.340%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.040	85	22895	10.206	ug/l	98
3) Chloromethane	2.253	50	41674	10.531	ug/l	99
4) Vinyl Chloride	2.399	62	48661	10.305	ug/l	99
5) Bromomethane	2.820	94	34018	10.817	ug/l	88
6) Chloroethane	2.966	64	31967	10.492	ug/l	97
7) Trichlorofluoromethane	3.308	101	40445	9.784	ug/l	86
8) Diethyl Ether	3.728	74	27506	9.937	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	43259	10.450	ug/l	98
10) Methyl Iodide	4.301	142	56734	9.842	ug/l	98
11) Tert butyl alcohol	5.216	59	18850	50.246	ug/l	98
12) 1,1-Dichloroethene	4.070	96	44805	10.217	ug/l	95
13) Acrolein	3.929	56	30738	48.675	ug/l	96
14) Allyl chloride	4.704	41	82544	10.125	ug/l	98
15) Acrylonitrile	5.405	53	74302	48.034	ug/l	100
16) Acetone	4.161	43	114546	60.526	ug/l	99
17) Carbon Disulfide	4.417	76	132055	10.361	ug/l	100
18) Methyl Acetate	4.710	43	35745	9.682	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	85743	9.848	ug/l	95
20) Methylene Chloride	4.954	84	64155	11.104	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	48315	10.088	ug/l	94
22) Diisopropyl ether	6.338	45	165011	9.996	ug/l	95
23) Vinyl Acetate	6.283	43	537188	48.129	ug/l	99
24) 1,1-Dichloroethane	6.246	63	95308	10.096	ug/l	99
25) 2-Butanone	7.197	43	111614	50.192	ug/l	100
26) 2,2-Dichloropropane	7.185	77	53497	10.093	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	54773	9.794	ug/l	98
28) Bromochloromethane	7.532	49	33132	8.834	ug/l	97
29) Tetrahydrofuran	7.557	42	63704	47.718	ug/l	99
30) Chloroform	7.697	83	93979	10.092	ug/l	99
31) Cyclohexane	7.971	56	91870	10.558	ug/l #	95
32) 1,1,1-Trichloroethane	7.886	97	70764	10.335	ug/l	99
36) 1,1-Dichloropropene	8.093	75	68706	10.191	ug/l	99
37) Ethyl Acetate	7.270	43	42749	9.257	ug/l	99
38) Carbon Tetrachloride	8.081	117	61467	9.857	ug/l	94
39) Methylcyclohexane	9.343	83	80931	9.545	ug/l	91
40) Benzene	8.337	78	205390	10.042	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	22223	9.003	ug/l	94
42) 1,2-Dichloroethane	8.410	62	67316	10.337	ug/l	99
43) Isopropyl Acetate	8.435	43	77353	9.445	ug/l	99
44) Trichloroethene	9.099	130	46690	9.997	ug/l	97
45) 1,2-Dichloropropane	9.374	63	51291	9.910	ug/l	94
46) Dibromomethane	9.465	93	29898	9.860	ug/l	98
47) Bromodichloromethane	9.648	83	70742	10.029	ug/l	94
48) Methyl methacrylate	9.441	41	33636	8.701	ug/l	99
49) 1,4-Dioxane	9.465	88	7482	183.931	ug/l #	98
51) 4-Methyl-2-Pentanone	10.209	43	218168	47.779	ug/l	98
52) Toluene	10.392	92	131024	10.412	ug/l	99
53) t-1,3-Dichloropropene	10.605	75	66055	9.498	ug/l	94
54) cis-1,3-Dichloropropene	10.075	75	78229	9.755	ug/l	95
55) 1,1,2-Trichloroethane	10.788	97	40939	10.063	ug/l	98
56) Ethyl methacrylate	10.648	69	52959	9.016	ug/l	98
57) 1,3-Dichloropropane	10.934	76	71443	9.777	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	141718	51.759	ug/l	100
59) 2-Hexanone	10.971	43	158310	47.869	ug/l	98
60) Dibromochloromethane	11.123	129	43075	9.505	ug/l	95
61) 1,2-Dibromoethane	11.239	107	38575	9.805	ug/l	94
64) Tetrachloroethene	10.867	164	38502	10.172	ug/l	87
65) Chlorobenzene	11.660	112	130574	9.686	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.727	131	39543	9.393	ug/l	91
67) Ethyl Benzene	11.727	91	227177	9.751	ug/l	95
68) m/p-Xylenes	11.837	106	173165	19.368	ug/l	96
69) o-Xylene	12.166	106	77989	9.458	ug/l	95
70) Styrene	12.178	104	139054	9.673	ug/l	99
71) Bromoform	12.349	173	22917	9.376	ug/l #	97
73) Isopropylbenzene	12.458	105	203544	9.314	ug/l	98
74) N-amyl acetate	12.269	43	68967	9.211	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	50790	9.653	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	37020m	9.660	ug/l	
77) Bromobenzene	12.745	156	47841	9.540	ug/l	99
78) n-propylbenzene	12.800	91	259786	9.306	ug/l	99
79) 2-Chlorotoluene	12.891	91	156572	9.555	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	174990	9.533	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	15061	9.130	ug/l	96
82) 4-Chlorotoluene	12.983	91	170457	9.795	ug/l	99
83) tert-Butylbenzene	13.202	119	147977	9.463	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	176269	9.521	ug/l	98
85) sec-Butylbenzene	13.379	105	225558	9.421	ug/l	99
86) p-Isopropyltoluene	13.495	119	182713	9.383	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	100429	9.784	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	103133	10.090	ug/l	96
89) n-Butylbenzene	13.818	91	186809	9.548	ug/l	97
90) Hexachloroethane	14.086	117	34449	9.471	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	89858	9.698	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.482	75	8514	9.111	ug/l	99
93) 1,2,4-Trichlorobenzene	15.123	180	55073	10.008	ug/l	94
94) Hexachlorobutadiene	15.226	225	25451	9.784	ug/l	97
95) Naphthalene	15.360	128	113152	8.104	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	48571	9.337	ug/l	97

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

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