

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100625\
 Data File : VW032368.D
 Acq On : 06 Oct 2025 18:51
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/07/2025
 Supervised By :Semsettin Yesilyurt 10/07/2025

Quant Time: Oct 07 03:51:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	258764	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	493275	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	456917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	219115	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	200284	53.066	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 106.140%	
35) Dibromofluoromethane	7.904	113	158050	49.476	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 98.960%	
50) Toluene-d8	10.331	98	590669	50.098	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 100.200%	
62) 4-Bromofluorobenzene	12.617	95	222817	50.000	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 100.000%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	77984	48.026	ug/l	96
3) Chloromethane	2.253	50	114675	45.769	ug/l	100
4) Vinyl Chloride	2.405	62	147616	49.349	ug/l	99
5) Bromomethane	2.820	94	107253	48.792	ug/l	92
6) Chloroethane	2.966	64	98989	50.124	ug/l	92
7) Trichlorofluoromethane	3.308	101	113644	50.742	ug/l	92
8) Diethyl Ether	3.722	74	102329	52.727	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.106	101	134837	50.194	ug/l	92
10) Methyl Iodide	4.314	142	199424	52.030	ug/l	97
11) Tert butyl alcohol	5.222	59	71542	250.424	ug/l	97
12) 1,1-Dichloroethene	4.082	96	144471	49.538	ug/l	91
13) Acrolein	3.930	56	77523	167.201	ug/l	96
14) Allyl chloride	4.704	41	246508	50.044	ug/l	88
15) Acrylonitrile	5.405	53	276437	273.801	ug/l	98
16) Acetone	4.161	43	235493	225.339	ug/l	100
17) Carbon Disulfide	4.423	76	390179	49.035	ug/l	99
18) Methyl Acetate	4.710	43	183186	61.191	ug/l	98
19) Methyl tert-butyl Ether	5.472	73	306838	53.419	ug/l	94
20) Methylene Chloride	4.966	84	189360	55.303	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	166779	51.654	ug/l	96
22) Diisopropyl ether	6.344	45	544025	53.106	ug/l	94
23) Vinyl Acetate	6.283	43	1780287	260.183	ug/l	99
24) 1,1-Dichloroethane	6.252	63	316995	50.933	ug/l	99
25) 2-Butanone	7.197	43	375766	264.007	ug/l	99
26) 2,2-Dichloropropane	7.191	77	148653	46.694	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	204440	52.706	ug/l	95
28) Bromochloromethane	7.532	49	156507	53.449	ug/l #	9
29) Tetrahydrofuran	7.551	42	249304	278.527	ug/l	95
30) Chloroform	7.691	83	336937	53.381	ug/l	98
31) Cyclohexane	7.971	56	252742	47.568	ug/l	94
32) 1,1,1-Trichloroethane	7.886	97	232182	51.910	ug/l	99
36) 1,1-Dichloropropene	8.099	75	225371	49.989	ug/l	97
37) Ethyl Acetate	7.276	43	159798	53.251	ug/l	99
38) Carbon Tetrachloride	8.087	117	199664	47.063	ug/l	96
39) Methylcyclohexane	9.343	83	270775	49.792	ug/l	96
40) Benzene	8.337	78	713380	50.482	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	96850	59.887	ug/l #	85
42) 1,2-Dichloroethane	8.410	62	239651	51.829	ug/l	99
43) Isopropyl Acetate	8.435	43	282698	53.105	ug/l	99
44) Trichloroethene	9.105	130	167007	50.473	ug/l	89
45) 1,2-Dichloropropane	9.380	63	180137	51.070	ug/l	99
46) Dibromomethane	9.465	93	115191	53.109	ug/l	94
47) Bromodichloromethane	9.654	83	254843	51.370	ug/l	98
48) Methyl methacrylate	9.441	41	142356	55.001	ug/l	93
49) 1,4-Dioxane	9.459	88	33658	1135.344	ug/l	91
51) 4-Methyl-2-Pentanone	10.215	43	847738	274.943	ug/l	99
52) Toluene	10.392	92	443854	50.437	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	242830	50.454	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	278303	50.200	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	149852	51.694	ug/l	95
56) Ethyl methacrylate	10.648	69	219909	54.198	ug/l	95
57) 1,3-Dichloropropane	10.934	76	270834	52.898	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	648785	300.448	ug/l	94
59) 2-Hexanone	10.971	43	598580	275.257	ug/l	99
60) Dibromochloromethane	11.129	129	175595	53.347	ug/l	99
61) 1,2-Dibromoethane	11.239	107	147233	52.088	ug/l	99
64) Tetrachloroethene	10.861	164	140782	51.492	ug/l #	84
65) Chlorobenzene	11.660	112	500834	49.818	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	161380	51.538	ug/l	98
67) Ethyl Benzene	11.727	91	843007	50.306	ug/l	97
68) m/p-Xylenes	11.837	106	650146	100.612	ug/l	98
69) o-Xylene	12.166	106	310520	51.385	ug/l	99
70) Styrene	12.178	104	565918	53.638	ug/l	96
71) Bromoform	12.349	173	94100	52.429	ug/l #	97
73) Isopropylbenzene	12.458	105	769388	51.324	ug/l	99
74) N-amyl acetate	12.269	43	253698	53.049	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	191436	51.431	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	145214m	50.361	ug/l	
77) Bromobenzene	12.745	156	178337	49.351	ug/l	83
78) n-propylbenzene	12.800	91	961404	51.342	ug/l	97
79) 2-Chlorotoluene	12.891	91	583597	50.971	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	663602	51.194	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.513	75	58455	51.356	ug/l	96
82) 4-Chlorotoluene	12.989	91	602457	49.492	ug/l	98
83) tert-Butylbenzene	13.202	119	552085	51.908	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	680361	51.618	ug/l	99
85) sec-Butylbenzene	13.379	105	822948	50.633	ug/l	98
86) p-Isopropyltoluene	13.495	119	679919	50.416	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	369721	50.527	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	369034	50.438	ug/l	98
89) n-Butylbenzene	13.818	91	668577	50.775	ug/l	99
90) Hexachloroethane	14.092	117	120675	49.922	ug/l	91
91) 1,2-Dichlorobenzene	13.867	146	335547	50.728	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.476	75	33518	51.432	ug/l	85
93) 1,2,4-Trichlorobenzene	15.129	180	200223	50.480	ug/l	96
94) Hexachlorobutadiene	15.226	225	88991	49.073	ug/l	97
95) Naphthalene	15.360	128	526543	55.279	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	186054	49.767	ug/l	99

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

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