

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032059.D
 Acq On : 11 Aug 2025 11:51
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW081125

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
 Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 04:12:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	226453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	420434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	386856	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	182577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	161155	49.205	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	98.420%		
35) Dibromofluoromethane	7.898	113	135642	49.939	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	99.880%		
50) Toluene-d8	10.325	98	499377	49.708	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	99.420%		
62) 4-Bromofluorobenzene	12.617	95	190514	51.460	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	102.920%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.040	85	69757	43.069	ug/l	98
3) Chloromethane	2.253	50	103574	47.474	ug/l	100
4) Vinyl Chloride	2.405	62	124287	47.096	ug/l	95
5) Bromomethane	2.820	94	93451	47.201	ug/l	100
6) Chloroethane	2.966	64	83573	47.858	ug/l	97
7) Trichlorofluoromethane	3.308	101	108634	51.386	ug/l	91
8) Diethyl Ether	3.722	74	87261	50.380	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	118012	47.316	ug/l	99
10) Methyl Iodide	4.307	142	175903	49.742	ug/l	97
11) Tert butyl alcohol	5.210	59	57666	271.910	ug/l	99
12) 1,1-Dichloroethene	4.076	96	131802	47.992	ug/l	97
13) Acrolein	3.929	56	80072	236.960	ug/l	98
14) Allyl chloride	4.710	41	204222	51.094	ug/l	99
15) Acrylonitrile	5.405	53	219409	265.958	ug/l	99
16) Acetone	4.161	43	192802	254.262	ug/l	97
17) Carbon Disulfide	4.423	76	360982	48.970	ug/l	96
18) Methyl Acetate	4.716	43	126246	52.614	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	263546	54.465	ug/l	100
20) Methylene Chloride	4.954	84	162865	46.453	ug/l	96
21) trans-1,2-Dichloroethene	5.466	96	145825	50.035	ug/l	98
22) Diisopropyl ether	6.338	45	438483	52.038	ug/l	97
23) Vinyl Acetate	6.283	43	1494873	270.210	ug/l	100
24) 1,1-Dichloroethane	6.246	63	265060	49.234	ug/l	98
25) 2-Butanone	7.191	43	293227	272.083	ug/l	96
26) 2,2-Dichloropropane	7.185	77	134123	49.659	ug/l	100
27) cis-1,2-Dichloroethene	7.185	96	175120	51.404	ug/l	98
28) Bromochloromethane	7.532	49	123268	50.315	ug/l	98
29) Tetrahydrofuran	7.551	42	194909	274.235	ug/l	100
30) Chloroform	7.691	83	284250	49.803	ug/l	98
31) Cyclohexane	7.971	56	217714	46.646	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	207733	50.108	ug/l	97
36) 1,1-Dichloropropene	8.093	75	189820	49.574	ug/l	100
37) Ethyl Acetate	7.270	43	124516	55.214	ug/l	99
38) Carbon Tetrachloride	8.081	117	184816	50.015	ug/l	98
39) Methylcyclohexane	9.343	83	243533	52.181	ug/l	98
40) Benzene	8.337	78	598350	50.272	ug/l	98

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41) Methacrylonitrile	7.502	41	70600	55.204	ug/l	97
42) 1,2-Dichloroethane	8.410	62	194825	51.154	ug/l	99
43) Isopropyl Acetate	8.435	43	227561	54.846	ug/l	99
44) Trichloroethene	9.099	130	139383	49.175	ug/l	99
45) 1,2-Dichloropropane	9.374	63	147807	51.403	ug/l	99
46) Dibromomethane	9.465	93	93713	50.497	ug/l	98
47) Bromodichloromethane	9.648	83	221409	51.775	ug/l	100
48) Methyl methacrylate	9.441	41	110265	55.048	ug/l	98
49) 1,4-Dioxane	9.459	88	27718	1155.151	ug/l #	83
51) 4-Methyl-2-Pentanone	10.215	43	645391	275.585	ug/l	100
52) Toluene	10.392	92	377919	50.410	ug/l	96
53) t-1,3-Dichloropropene	10.611	75	212772	53.108	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	238970	52.577	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	127536	51.716	ug/l	97
56) Ethyl methacrylate	10.648	69	186039	56.374	ug/l	99
57) 1,3-Dichloropropane	10.934	76	220027	51.186	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	498131	272.893	ug/l	99
59) 2-Hexanone	10.971	43	457083	281.817	ug/l	100
60) Dibromochloromethane	11.129	129	147264	52.276	ug/l	100
61) 1,2-Dibromoethane	11.239	107	126064	52.603	ug/l	100
64) Tetrachloroethene	10.861	164	114507	51.245	ug/l	95
65) Chlorobenzene	11.660	112	416485	49.461	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	132212	50.324	ug/l	98
67) Ethyl Benzene	11.727	91	716757	50.253	ug/l	100
68) m/p-Xylenes	11.837	106	559216	101.607	ug/l	99
69) o-Xylene	12.160	106	261548	51.416	ug/l	98
70) Styrene	12.178	104	468335	51.833	ug/l	99
71) Bromoform	12.349	173	82571	54.945	ug/l #	98
73) Isopropylbenzene	12.458	105	670779	52.571	ug/l	99
74) N-amyl acetate	12.269	43	203837	55.682	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.714	83	159092	52.514	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	119168m	48.091	ug/l	
77) Bromobenzene	12.745	156	152028	49.886	ug/l	94
78) n-propylbenzene	12.800	91	803474	51.148	ug/l	99
79) 2-Chlorotoluene	12.885	91	495562	51.114	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	566437	52.291	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	51275	53.570	ug/l	97
82) 4-Chlorotoluene	12.989	91	518248	50.312	ug/l	99
83) tert-Butylbenzene	13.202	119	483459	53.777	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	587831	53.308	ug/l	99
85) sec-Butylbenzene	13.379	105	687367	50.571	ug/l	100
86) p-Isopropyltoluene	13.495	119	584473	51.580	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	305044	50.304	ug/l	95
88) 1,4-Dichlorobenzene	13.574	146	306047	49.942	ug/l	97
89) n-Butylbenzene	13.818	91	571978	51.958	ug/l	98
90) Hexachloroethane	14.092	117	104295	50.329	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	279745	50.926	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.482	75	29014	53.872	ug/l	98
93) 1,2,4-Trichlorobenzene	15.123	180	173386	52.764	ug/l	90
94) Hexachlorobutadiene	15.226	225	75299	51.262	ug/l	92
95) Naphthalene	15.360	128	438139	54.415	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	162431	54.327	ug/l	98

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

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