

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032061.D
 Acq On : 11 Aug 2025 12:48
 Operator : SY/MD
 Sample : VW0811SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0811SBS01

Manual Integrations
 APPROVED

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

Quant Time: Aug 12 04:23:11 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	224181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	427747	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	394820	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	191594	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	164557	50.753	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 101.500%	
35) Dibromofluoromethane	7.898	113	135084	48.883	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 97.760%	
50) Toluene-d8	10.325	98	508647	49.765	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 99.520%	
62) 4-Bromofluorobenzene	12.617	95	197267	52.373	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 104.740%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	34210	21.336	ug/l	99
3) Chloromethane	2.253	50	44827	20.755	ug/l	100
4) Vinyl Chloride	2.405	62	55119	21.098	ug/l	96
5) Bromomethane	2.814	94	42172	21.516	ug/l	100
6) Chloroethane	2.972	64	36005	20.827	ug/l	93
7) Trichlorofluoromethane	3.302	101	36824	17.595	ug/l	97
8) Diethyl Ether	3.716	74	36836	21.483	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.094	101	49645	20.107	ug/l	99
10) Methyl Iodide	4.301	142	76912	21.970	ug/l	99
11) Tert butyl alcohol	5.222	59	21680	103.263	ug/l	99
12) 1,1-Dichloroethene	4.076	96	55559	20.435	ug/l	98
13) Acrolein	3.923	56	37149	111.050	ug/l	100
14) Allyl chloride	4.704	41	84834	21.439	ug/l	100
15) Acrylonitrile	5.399	53	86103	105.428	ug/l	99
16) Acetone	4.155	43	86915	115.783	ug/l	99
17) Carbon Disulfide	4.417	76	147760	20.248	ug/l	97
18) Methyl Acetate	4.704	43	51464	21.665	ug/l	99
19) Methyl tert-butyl Ether	5.454	73	104973	21.914	ug/l	99
20) Methylene Chloride	4.948	84	74303	21.408	ug/l	96
21) trans-1,2-Dichloroethene	5.454	96	59717	20.698	ug/l	96
22) Diisopropyl ether	6.338	45	180946	21.692	ug/l	98
23) Vinyl Acetate	6.283	43	585943	106.987	ug/l	99
24) 1,1-Dichloroethane	6.240	63	111769	20.971	ug/l	97
25) 2-Butanone	7.191	43	119059	111.594	ug/l	99
26) 2,2-Dichloropropane	7.185	77	55490	20.753	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	71568	21.221	ug/l	97
28) Bromochloromethane	7.526	49	49722	20.501	ug/l	100
29) Tetrahydrofuran	7.551	42	75818	107.756	ug/l	100
30) Chloroform	7.691	83	119431	21.137	ug/l	99
31) Cyclohexane	7.965	56	92372	19.992	ug/l	96
32) 1,1,1-Trichloroethane	7.880	97	84982	20.707	ug/l	97
36) 1,1-Dichloropropene	8.093	75	78541	20.161	ug/l	99
37) Ethyl Acetate	7.270	43	48130	20.977	ug/l	99
38) Carbon Tetrachloride	8.081	117	75079	19.971	ug/l	92
39) Methylcyclohexane	9.343	83	94968	20.000	ug/l	93
40) Benzene	8.337	78	254209	20.993	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	28577	21.963	ug/l	98
42) 1,2-Dichloroethane	8.410	62	81049	20.917	ug/l	98
43) Isopropyl Acetate	8.435	43	86573	20.509	ug/l	99
44) Trichloroethene	9.099	130	58362	20.238	ug/l	99
45) 1,2-Dichloropropane	9.374	63	61430	20.998	ug/l	100
46) Dibromomethane	9.465	93	38496	20.389	ug/l	97
47) Bromodichloromethane	9.648	83	88565	20.356	ug/l	96
48) Methyl methacrylate	9.441	41	43518	21.354	ug/l	98
49) 1,4-Dioxane	9.459	88	9712	397.829	ug/l	97
51) 4-Methyl-2-Pentanone	10.209	43	253567	106.423	ug/l	99
52) Toluene	10.386	92	160474	21.039	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	83098	20.387	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	96489	20.866	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	52115	20.771	ug/l	98
56) Ethyl methacrylate	10.648	69	71491	21.293	ug/l	98
57) 1,3-Dichloropropane	10.934	76	91289	20.874	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	195002	105.002	ug/l	99
59) 2-Hexanone	10.971	43	178926	108.432	ug/l	99
60) Dibromochloromethane	11.129	129	58977	20.578	ug/l	97
61) 1,2-Dibromoethane	11.239	107	51647	21.183	ug/l	100
64) Tetrachloroethene	10.861	164	48059	21.074	ug/l	97
65) Chlorobenzene	11.660	112	173499	20.189	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.727	131	53383	19.910	ug/l	99
67) Ethyl Benzene	11.727	91	293010	20.129	ug/l	96
68) m/p-Xylenes	11.837	106	229740	40.901	ug/l	98
69) o-Xylene	12.166	106	110031	21.194	ug/l	95
70) Styrene	12.178	104	192666	20.893	ug/l	98
71) Bromoform	12.349	173	30108	19.630	ug/l #	97
73) Isopropylbenzene	12.465	105	266790	19.925	ug/l	99
74) N-amyl acetate	12.269	43	78852	20.526	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	63958	20.118	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	48380m	18.605	ug/l	
77) Bromobenzene	12.745	156	65314	20.423	ug/l	98
78) n-propylbenzene	12.800	91	339857	20.616	ug/l	98
79) 2-Chlorotoluene	12.885	91	209277	20.570	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	238429	20.975	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	18566	18.484	ug/l	92
82) 4-Chlorotoluene	12.983	91	222101	20.547	ug/l	100
83) tert-Butylbenzene	13.202	119	196393	20.817	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	241596	20.878	ug/l	99
85) sec-Butylbenzene	13.379	105	282666	19.818	ug/l	99
86) p-Isopropyltoluene	13.495	119	238749	20.078	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	129585	20.364	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	132968	20.677	ug/l	100
89) n-Butylbenzene	13.818	91	235392	20.377	ug/l	98
90) Hexachloroethane	14.092	117	41522	19.094	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	116780	20.259	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	11343	20.070	ug/l	98
93) 1,2,4-Trichlorobenzene	15.123	180	67394	19.544	ug/l	99
94) Hexachlorobutadiene	15.226	225	31990	20.753	ug/l	93
95) Naphthalene	15.360	128	173199	20.498	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	67287	21.446	ug/l	99

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

