

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091725\
 Data File : VW032183.D
 Acq On : 17 Sep 2025 12:24
 Operator : SY/MD
 Sample : VW0917SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0917SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/18/2025
 Supervised By :Semsettin Yesilyurt 09/18/2025

Quant Time: Sep 18 04:32:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	196684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	342838	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	312097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	166069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	147151	52.314	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 104.620%			
35) Dibromofluoromethane	7.904	113	116993	48.639	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 97.280%			
50) Toluene-d8	10.331	98	421914	49.967	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 99.940%			
62) 4-Bromofluorobenzene	12.617	95	154808	49.580	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 99.160%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	30477	23.470	ug/l	98
3) Chloromethane	2.253	50	34826	25.579	ug/l	98
4) Vinyl Chloride	2.405	62	48722	27.552	ug/l	98
5) Bromomethane	2.820	94	38311	24.260	ug/l	100
6) Chloroethane	2.978	64	33389	26.810	ug/l	99
7) Trichlorofluoromethane	3.308	101	41509	23.690	ug/l	94
8) Diethyl Ether	3.716	74	29641	22.669	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.094	101	48094	24.366	ug/l	98
10) Methyl Iodide	4.308	142	67057	22.312	ug/l	98
11) Tert butyl alcohol	5.222	59	20927	121.630	ug/l	98
12) 1,1-Dichloroethene	4.076	96	49633	23.877	ug/l	97
13) Acrolein	3.936	56	16229	61.363	ug/l	93
14) Allyl chloride	4.704	41	63859	21.627	ug/l	97
15) Acrylonitrile	5.405	53	72106	113.424	ug/l	99
16) Acetone	4.161	43	93858	154.073	ug/l	95
17) Carbon Disulfide	4.423	76	116656	22.438	ug/l	100
18) Methyl Acetate	4.710	43	39704	20.456	ug/l	97
19) Methyl tert-butyl Ether	5.466	73	86143	21.945	ug/l	95
20) Methylene Chloride	4.960	84	57448	20.403	ug/l	94
21) trans-1,2-Dichloroethene	5.460	96	50793	21.873	ug/l	90
22) Diisopropyl ether	6.344	45	146764	22.838	ug/l	95
23) Vinyl Acetate	6.283	43	515780	118.048	ug/l	98
24) 1,1-Dichloroethane	6.246	63	92978	22.100	ug/l	99
25) 2-Butanone	7.197	43	110942	128.520	ug/l	100
26) 2,2-Dichloropropane	7.185	77	53411	23.973	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	60427	21.385	ug/l	96
28) Bromochloromethane	7.533	49	44018	22.856	ug/l	91
29) Tetrahydrofuran	7.557	42	63813	116.331	ug/l	99
30) Chloroform	7.691	83	108282	22.543	ug/l	95
31) Cyclohexane	7.971	56	76552	22.169	ug/l	94
32) 1,1,1-Trichloroethane	7.886	97	78991	22.527	ug/l	99
36) 1,1-Dichloropropene	8.100	75	69235	22.200	ug/l	99
37) Ethyl Acetate	7.283	43	42881	22.920	ug/l	97
38) Carbon Tetrachloride	8.081	117	73808	22.077	ug/l	97
39) Methylcyclohexane	9.343	83	80081	21.679	ug/l	94
40) Benzene	8.337	78	211803	21.971	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	22214	21.371	ug/l	96
42) 1,2-Dichloroethane	8.410	62	75629	22.630	ug/l	99
43) Isopropyl Acetate	8.441	43	79706	22.710	ug/l	99
44) Trichloroethene	9.105	130	51464	21.228	ug/l	90
45) 1,2-Dichloropropane	9.374	63	51484	22.154	ug/l	100
46) Dibromomethane	9.465	93	35910	22.031	ug/l	92
47) Bromodichloromethane	9.654	83	78031	21.066	ug/l	97
48) Methyl methacrylate	9.441	41	35988	22.250	ug/l	99
49) 1,4-Dioxane	9.465	88	9151	464.662	ug/l #	98
51) 4-Methyl-2-Pentanone	10.215	43	233505	117.824	ug/l	98
52) Toluene	10.392	92	131510	20.876	ug/l	92
53) t-1,3-Dichloropropene	10.611	75	71207	21.792	ug/l	98
54) cis-1,3-Dichloropropene	10.081	75	82027	22.000	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	46686	22.026	ug/l	98
56) Ethyl methacrylate	10.648	69	57656	21.277	ug/l	97
57) 1,3-Dichloropropane	10.934	76	77324	21.787	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	152853	105.681	ug/l	98
59) 2-Hexanone	10.971	43	165252	119.896	ug/l	97
60) Dibromochloromethane	11.129	129	53642	20.915	ug/l	98
61) 1,2-Dibromoethane	11.233	107	44731	21.460	ug/l	100
64) Tetrachloroethene	10.861	164	41669	20.286	ug/l	92
65) Chlorobenzene	11.660	112	154030	21.683	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	50726	21.689	ug/l	97
67) Ethyl Benzene	11.733	91	248747	21.372	ug/l	97
68) m/p-Xylenes	11.837	106	194531	43.427	ug/l	96
69) o-Xylene	12.166	106	90648	21.394	ug/l	98
70) Styrene	12.178	104	156512	20.955	ug/l	97
71) Bromoform	12.349	173	30375	21.867	ug/l #	99
73) Isopropylbenzene	12.465	105	238429	21.133	ug/l	97
74) N-amyl acetate	12.270	43	71769	21.911	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	60740	22.654	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	45149m	21.701	ug/l	
77) Bromobenzene	12.745	156	58288	20.260	ug/l	93
78) n-propylbenzene	12.800	91	295053	21.541	ug/l	98
79) 2-Chlorotoluene	12.891	91	180563	21.557	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	199642	20.900	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.507	75	17171	22.222	ug/l	93
82) 4-Chlorotoluene	12.989	91	188258	20.997	ug/l	97
83) tert-Butylbenzene	13.202	119	169969	20.986	ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	210523	21.303	ug/l	100
85) sec-Butylbenzene	13.379	105	252463	20.878	ug/l	99
86) p-Isopropyltoluene	13.495	119	207977	20.224	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	118332	20.427	ug/l	95
88) 1,4-Dichlorobenzene	13.574	146	124834	21.499	ug/l	95
89) n-Butylbenzene	13.818	91	209562	21.375	ug/l	97
90) Hexachloroethane	14.086	117	39841	21.181	ug/l	97
91) 1,2-Dichlorobenzene	13.867	146	112876	22.008	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.476	75	10636	22.454	ug/l	85
93) 1,2,4-Trichlorobenzene	15.129	180	59716	18.224	ug/l	92
94) Hexachlorobutadiene	15.226	225	33703	20.738	ug/l	97
95) Naphthalene	15.360	128	151915	20.485	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	60549	19.869	ug/l	96

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

