

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032109.D
 Acq On : 22 Aug 2025 14:22
 Operator : SY/MD
 Sample : VW0822SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
 Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 25 03:52:19 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	7.953	168	205288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	359763	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	335789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	176918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	149860	50.474	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 100.940%			
35) Dibromofluoromethane	7.892	113	118578	51.019	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 102.040%			
50) Toluene-d8	10.325	98	433450	50.421	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 100.840%			
62) 4-Bromofluorobenzene	12.617	95	156844	49.510	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 99.020%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	34992	23.832	ug/l	96
3) Chloromethane	2.253	50	36549	18.480	ug/l	97
4) Vinyl Chloride	2.399	62	50270	21.013	ug/l	99
5) Bromomethane	2.820	94	41799	23.289	ug/l	91
6) Chloroethane	2.972	64	33021	20.859	ug/l	93
7) Trichlorofluoromethane	3.302	101	37209	19.415	ug/l	93
8) Diethyl Ether	3.710	74	34461	21.947	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.100	101	53990	23.879	ug/l	99
10) Methyl Iodide	4.301	142	66527	20.752	ug/l	96
11) Tert butyl alcohol	5.216	59	19013	98.894	ug/l #	94
12) 1,1-Dichloroethene	4.076	96	55125	22.142	ug/l	98
13) Acrolein	3.923	56	20312	66.307	ug/l	94
14) Allyl chloride	4.698	41	64004	17.664	ug/l #	87
15) Acrylonitrile	5.393	53	72540	96.995	ug/l	99
16) Acetone	4.155	43	89543	130.262	ug/l	97
17) Carbon Disulfide	4.417	76	121036	18.112	ug/l	98
18) Methyl Acetate	4.704	43	42453	19.517	ug/l	97
19) Methyl tert-butyl Ether	5.460	73	84603	19.287	ug/l	100
20) Methylene Chloride	4.948	84	71877	22.615	ug/l	98
21) trans-1,2-Dichloroethene	5.447	96	51252	19.398	ug/l	96
22) Diisopropyl ether	6.338	45	146579	19.189	ug/l	91
23) Vinyl Acetate	6.277	43	498666	99.431	ug/l	99
24) 1,1-Dichloroethane	6.240	63	94501	19.363	ug/l	99
25) 2-Butanone	7.191	43	101151	103.534	ug/l	95
26) 2,2-Dichloropropane	7.185	77	48414	19.773	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	59833	19.374	ug/l	98
28) Bromochloromethane	7.526	49	44302	19.947	ug/l	96
29) Tetrahydrofuran	7.551	42	62814	97.491	ug/l	99
30) Chloroform	7.691	83	106961	20.673	ug/l	97
31) Cyclohexane	7.965	56	77842	18.397	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	77288	20.565	ug/l	97
36) 1,1-Dichloropropene	8.093	75	69745	21.286	ug/l	99
37) Ethyl Acetate	7.270	43	40740	21.112	ug/l	98
38) Carbon Tetrachloride	8.075	117	71311	22.553	ug/l	98
39) Methylcyclohexane	9.337	83	81837	20.492	ug/l	98
40) Benzene	8.331	78	212449	20.860	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	23274	21.267	ug/l	98
42) 1,2-Dichloroethane	8.410	62	74676	22.914	ug/l	98
43) Isopropyl Acetate	8.435	43	75485	21.261	ug/l	98
44) Trichloroethene	9.099	130	51970	21.427	ug/l	100
45) 1,2-Dichloropropane	9.374	63	51338	20.865	ug/l	98
46) Dibromomethane	9.465	93	36718	23.122	ug/l	99
47) Bromodichloromethane	9.648	83	81369	22.237	ug/l	97
48) Methyl methacrylate	9.441	41	34673	20.229	ug/l #	92
49) 1,4-Dioxane	9.459	88	9062	441.349	ug/l	98
51) 4-Methyl-2-Pentanone	10.215	43	223728	111.644	ug/l	95
52) Toluene	10.386	92	137995	21.511	ug/l	99
53) t-1,3-Dichloropropene	10.605	75	70218	20.482	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	79307	20.391	ug/l #	89
55) 1,1,2-Trichloroethane	10.788	97	46920	22.235	ug/l	94
56) Ethyl methacrylate	10.648	69	55906	19.798	ug/l #	90
57) 1,3-Dichloropropane	10.928	76	77725	21.131	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	155411	99.497	ug/l	97
59) 2-Hexanone	10.971	43	157334	113.364	ug/l	93
60) Dibromochloromethane	11.129	129	54583	22.644	ug/l	99
61) 1,2-Dibromoethane	11.233	107	46138	22.499	ug/l	99
64) Tetrachloroethene	10.867	164	45127	23.267	ug/l	91
65) Chlorobenzene	11.654	112	154558	21.146	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.727	131	49555	21.731	ug/l	98
67) Ethyl Benzene	11.727	91	258010	20.840	ug/l	98
68) m/p-Xylenes	11.837	106	204903	42.892	ug/l	100
69) o-Xylene	12.166	106	94012	21.292	ug/l	98
70) Styrene	12.178	104	167404	21.345	ug/l	99
71) Bromoform	12.349	173	29379	22.523	ug/l #	99
73) Isopropylbenzene	12.465	105	233663	18.899	ug/l	99
74) N-amyl acetate	12.269	43	67085	18.912	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.708	83	58260	19.846	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	49342m	20.549	ug/l	
77) Bromobenzene	12.745	156	60471	20.477	ug/l	93
78) n-propylbenzene	12.800	91	305931	20.098	ug/l	100
79) 2-Chlorotoluene	12.885	91	180153	19.176	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	202943	19.334	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.507	75	15563	16.780	ug/l	87
82) 4-Chlorotoluene	12.989	91	190525	19.088	ug/l	96
83) tert-Butylbenzene	13.202	119	171218	19.654	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	210315	19.683	ug/l	98
85) sec-Butylbenzene	13.379	105	249499	18.943	ug/l	100
86) p-Isopropyltoluene	13.495	119	220677	20.098	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	121171	20.621	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	125352	21.110	ug/l	96
89) n-Butylbenzene	13.818	91	209429	19.633	ug/l	99
90) Hexachloroethane	14.086	117	38821	19.333	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	105825	19.881	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	10096	19.345	ug/l	96
93) 1,2,4-Trichlorobenzene	15.123	180	64014	20.104	ug/l	96
94) Hexachlorobutadiene	15.232	225	31074	21.831	ug/l	97
95) Naphthalene	15.360	128	146469	18.773	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	60310	20.817	ug/l	94

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

