

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
 Data File : VW032585.D
 Acq On : 08 Dec 2025 11:01
 Operator : SY/MD
 Sample : VW1208SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1208SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
 Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 09 02:14:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 04:04:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	346269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	656064	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	619620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	286140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	258211	50.108	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 100.220%			
35) Dibromofluoromethane	7.904	113	209630	48.555	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 97.120%			
50) Toluene-d8	10.325	98	774669	47.685	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 95.360%			
62) 4-Bromofluorobenzene	12.617	95	283661	47.260	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 94.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	48285	22.528	ug/l	94
3) Chloromethane	2.253	50	74097	18.806	ug/l	97
4) Vinyl Chloride	2.405	62	95742	20.028	ug/l	99
5) Bromomethane	2.826	94	62333	19.635	ug/l	100
6) Chloroethane	2.966	64	60243	19.511	ug/l	100
7) Trichlorofluoromethane	3.308	101	76960	20.771	ug/l	98
8) Diethyl Ether	3.728	74	54604	19.935	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	80738	20.611	ug/l	98
10) Methyl Iodide	4.307	142	119662	20.254	ug/l	99
11) Tert butyl alcohol	5.216	59	35319	89.108	ug/l #	84
12) 1,1-Dichloroethene	4.082	96	86782	19.649	ug/l	98
13) Acrolein	3.948	56	2284m	3.251	ug/l	
14) Allyl chloride	4.710	41	159807	19.766	ug/l	97
15) Acrylonitrile	5.405	53	151799	105.530	ug/l	99
16) Acetone	4.161	43	180193	111.903	ug/l	100
17) Carbon Disulfide	4.423	76	259785	19.854	ug/l	96
18) Methyl Acetate	4.710	43	69183	20.860	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	171068	20.780	ug/l	97
20) Methylene Chloride	4.948	84	111139	19.300	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	94315	19.544	ug/l	97
22) Diisopropyl ether	6.344	45	336974	20.884	ug/l	97
23) Vinyl Acetate	6.283	43	1107584	103.593	ug/l	99
24) 1,1-Dichloroethane	6.246	63	188177	20.087	ug/l	99
25) 2-Butanone	7.197	43	212400	102.780	ug/l	99
26) 2,2-Dichloropropane	7.185	77	102082	18.797	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	107323	19.103	ug/l	98
28) Bromochloromethane	7.532	49	86720	20.607	ug/l	100
29) Tetrahydrofuran	7.557	42	132830	107.650	ug/l	99
30) Chloroform	7.697	83	184701	19.866	ug/l	98
31) Cyclohexane	7.971	56	165642	20.052	ug/l	96
32) 1,1,1-Trichloroethane	7.892	97	134907	19.993	ug/l	99
36) 1,1-Dichloropropene	8.099	75	129813	19.713	ug/l	98
37) Ethyl Acetate	7.276	43	92493	20.296	ug/l	99
38) Carbon Tetrachloride	8.081	117	120006	19.615	ug/l	87
39) Methylcyclohexane	9.343	83	155001	19.276	ug/l	95
40) Benzene	8.337	78	400420	19.081	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	46028	18.666	ug/l #	84
42) 1,2-Dichloroethane	8.410	62	128926	20.038	ug/l	99
43) Isopropyl Acetate	8.435	43	159048	20.304	ug/l	100
44) Trichloroethene	9.099	130	90838	19.367	ug/l	100
45) 1,2-Dichloropropane	9.374	63	103503	19.857	ug/l	95
46) Dibromomethane	9.465	93	59561	19.760	ug/l	94
47) Bromodichloromethane	9.648	83	138948	19.668	ug/l	95
48) Methyl methacrylate	9.441	41	72787	20.441	ug/l	93
49) 1,4-Dioxane	9.459	88	15232	422.913	ug/l #	98
51) 4-Methyl-2-Pentanone	10.215	43	457564	105.566	ug/l	99
52) Toluene	10.392	92	249336	19.719	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	129972	19.177	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	153580	19.309	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	83252	20.621	ug/l	94
56) Ethyl methacrylate	10.648	69	111821	20.029	ug/l	99
57) 1,3-Dichloropropane	10.934	76	145840	20.241	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	307560	105.135	ug/l	99
59) 2-Hexanone	10.971	43	328100	106.290	ug/l	99
60) Dibromochloromethane	11.136	129	87931	19.433	ug/l	97
61) 1,2-Dibromoethane	11.239	107	78977	20.570	ug/l	95
64) Tetrachloroethene	10.867	164	74847	18.111	ug/l	94
65) Chlorobenzene	11.654	112	262042	17.898	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.733	131	83272	18.389	ug/l	97
67) Ethyl Benzene	11.727	91	452946	18.227	ug/l	99
68) m/p-Xylenes	11.837	106	353110	37.374	ug/l	97
69) o-Xylene	12.166	106	156081	18.039	ug/l	92
70) Styrene	12.178	104	292594	19.278	ug/l	99
71) Bromoform	12.349	173	47455	19.057	ug/l #	98
73) Isopropylbenzene	12.458	105	397396	18.722	ug/l	100
74) N-amyl acetate	12.269	43	140792	20.038	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	102420	20.497	ug/l	100
76) 1,2,3-Trichloropropane	12.769	75	76557m	19.772	ug/l	
77) Bromobenzene	12.745	156	94827	18.899	ug/l	97
78) n-propylbenzene	12.800	91	522616	19.299	ug/l	100
79) 2-Chlorotoluene	12.891	91	314995	19.510	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	342625	18.918	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.507	75	32534	19.763	ug/l	93
82) 4-Chlorotoluene	12.983	91	332541	19.258	ug/l	99
83) tert-Butylbenzene	13.202	119	289501	19.381	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	351856	19.448	ug/l	99
85) sec-Butylbenzene	13.379	105	445004	19.315	ug/l	99
86) p-Isopropyltoluene	13.495	119	348959	18.390	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	198161	19.316	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	192043	18.860	ug/l	96
89) n-Butylbenzene	13.818	91	361417	18.755	ug/l	98
90) Hexachloroethane	14.086	117	67952	18.697	ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	177690	19.746	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	17042	19.781	ug/l	97
93) 1,2,4-Trichlorobenzene	15.123	180	95073	17.347	ug/l	96
94) Hexachlorobutadiene	15.226	225	47026	18.640	ug/l	99
95) Naphthalene	15.360	128	231088	18.647	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	89200	17.915	ug/l	98

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

