

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092925\
 Data File : VW032291.D
 Acq On : 29 Sep 2025 11:09
 Operator : SY/MD
 Sample : VW0929SBSD01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0929SBSD01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/03/2025

Quant Time: Sep 30 02:35:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 07:11:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	235838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	436378	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	387451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	191625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	181976	48.868	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	97.740%		
35) Dibromofluoromethane	7.904	113	147580	47.026	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	94.060%		
50) Toluene-d8	10.325	98	551350	48.747	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	97.500%		
62) 4-Bromofluorobenzene	12.617	95	208290	48.822	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	97.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	37302	22.893	ug/l	98
3) Chloromethane	2.253	50	48171	20.658	ug/l	91
4) Vinyl Chloride	2.405	62	57116	20.964	ug/l	93
5) Bromomethane	2.820	94	38148	20.505	ug/l	95
6) Chloroethane	2.966	64	38309	20.750	ug/l	95
7) Trichlorofluoromethane	3.301	101	38732	18.867	ug/l	98
8) Diethyl Ether	3.716	74	38676	19.925	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.094	101	53405	20.381	ug/l	98
10) Methyl Iodide	4.314	142	71702	20.231	ug/l	99
11) Tert butyl alcohol	5.234	59	25566	98.906	ug/l	99
12) 1,1-Dichloroethene	4.076	96	54583	19.487	ug/l	99
13) Acrolein	3.936	56	38407	83.481	ug/l	95
14) Allyl chloride	4.704	41	90813	20.891	ug/l	98
15) Acrylonitrile	5.405	53	98066	98.095	ug/l	98
16) Acetone	4.161	43	96919	101.345	ug/l	99
17) Carbon Disulfide	4.423	76	133549	20.737	ug/l	98
18) Methyl Acetate	4.710	43	60367	18.354	ug/l	99
19) Methyl tert-butyl Ether	5.472	73	106162	20.447	ug/l	98
20) Methylene Chloride	4.954	84	71995	15.653	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	61877	20.487	ug/l	95
22) Diisopropyl ether	6.344	45	209902	21.731	ug/l	98
23) Vinyl Acetate	6.289	43	677309	108.997	ug/l	96
24) 1,1-Dichloroethane	6.246	63	127350	20.885	ug/l	98
25) 2-Butanone	7.197	43	130879	98.185	ug/l	94
26) 2,2-Dichloropropane	7.185	77	62759	20.887	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	76780	20.439	ug/l	98
28) Bromochloromethane	7.532	49	60580	20.821	ug/l #	99
29) Tetrahydrofuran	7.557	42	87815	101.477	ug/l	96
30) Chloroform	7.691	83	132458	20.820	ug/l	93
31) Cyclohexane	7.971	56	101659	21.143	ug/l	95
32) 1,1,1-Trichloroethane	7.886	97	88799	20.718	ug/l	97
36) 1,1-Dichloropropene	8.093	75	86323	20.402	ug/l	98
37) Ethyl Acetate	7.276	43	57255	20.404	ug/l	98
38) Carbon Tetrachloride	8.081	117	83700	21.027	ug/l	97
39) Methylcyclohexane	9.343	83	99706	20.366	ug/l	96
40) Benzene	8.337	78	276063	20.728	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	32988	20.526	ug/l	96
42) 1,2-Dichloroethane	8.416	62	89380	20.190	ug/l	100
43) Isopropyl Acetate	8.441	43	104356	20.775	ug/l	97
44) Trichloroethene	9.099	130	65460	21.028	ug/l	92
45) 1,2-Dichloropropane	9.380	63	70794	20.524	ug/l	96
46) Dibromomethane	9.471	93	42317	19.954	ug/l	100
47) Bromodichloromethane	9.654	83	98428	20.349	ug/l	96
48) Methyl methacrylate	9.447	41	48419	20.489	ug/l	97
49) 1,4-Dioxane	9.465	88	9941	349.997	ug/l #	80
51) 4-Methyl-2-Pentanone	10.215	43	302807	101.673	ug/l	96
52) Toluene	10.392	92	168841	20.454	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	90013	20.311	ug/l	98
54) cis-1,3-Dichloropropene	10.081	75	107162	20.945	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	57625	19.906	ug/l	97
56) Ethyl methacrylate	10.648	69	75392	19.772	ug/l	97
57) 1,3-Dichloropropane	10.934	76	100526	20.102	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.928	63	209371	100.026	ug/l	99
59) 2-Hexanone	10.971	43	205343	100.964	ug/l	95
60) Dibromochloromethane	11.129	129	62908	19.788	ug/l	98
61) 1,2-Dibromoethane	11.233	107	54534	19.885	ug/l	99
64) Tetrachloroethene	10.861	164	51357	21.751	ug/l	88
65) Chlorobenzene	11.660	112	195381	21.892	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.733	131	62404	22.110	ug/l	98
67) Ethyl Benzene	11.733	91	315693	21.611	ug/l	99
68) m/p-Xylenes	11.837	106	244735	43.704	ug/l	96
69) o-Xylene	12.166	106	115365	21.921	ug/l	99
70) Styrene	12.184	104	206724	22.399	ug/l	99
71) Bromoform	12.349	173	34350	20.884	ug/l #	98
73) Isopropylbenzene	12.464	105	288468	21.628	ug/l	99
74) N-amyl acetate	12.269	43	93996	22.379	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	74264	21.237	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	54881m	20.817	ug/l	
77) Bromobenzene	12.745	156	69335	21.136	ug/l	87
78) n-propylbenzene	12.800	91	371108	22.152	ug/l	100
79) 2-Chlorotoluene	12.891	91	223844	22.057	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	254716	22.338	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	21484	21.167	ug/l	94
82) 4-Chlorotoluene	12.983	91	241948	22.558	ug/l	95
83) tert-Butylbenzene	13.202	119	209737	21.993	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	260904	22.535	ug/l	97
85) sec-Butylbenzene	13.379	105	314117	21.935	ug/l	100
86) p-Isopropyltoluene	13.495	119	259467	21.877	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	144010	22.193	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	151158	22.803	ug/l	93
89) n-Butylbenzene	13.818	91	259636	21.814	ug/l	99
90) Hexachloroethane	14.086	117	49590	22.434	ug/l	96
91) 1,2-Dichlorobenzene	13.867	146	134572	22.169	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.482	75	12655	21.158	ug/l	93
93) 1,2,4-Trichlorobenzene	15.123	180	74440	20.671	ug/l	97
94) Hexachlorobutadiene	15.226	225	36514	22.078	ug/l	93
95) Naphthalene	15.360	128	181145	20.958	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	70332	21.004	ug/l	96

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

