

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092625\
 Data File : VW032270.D
 Acq On : 26 Sep 2025 11:09
 Operator : SY/MD
 Sample : VW0926SBSD01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0926SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
 Supervised By :Semsettin Yesilyurt 09/29/2025

Quant Time: Sep 27 04:32:35 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	7.959	168	272106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	497590	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	443141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	218363	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	190572	44.355	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	88.720%
35) Dibromofluoromethane	7.892	113	157550	44.027	ug/l	-0.01
Spiked Amount	50.000	Range	70 - 134	Recovery	=	88.060%
50) Toluene-d8	10.325	98	595383	46.165	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	92.320%
62) 4-Bromofluorobenzene	12.617	95	221310	45.492	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	90.980%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.039	85	42175	22.434	ug/l	97
3) Chloromethane	2.253	50	54111	20.112	ug/l	97
4) Vinyl Chloride	2.405	62	69447	22.092	ug/l	100
5) Bromomethane	2.820	94	47340	22.054	ug/l	93
6) Chloroethane	2.972	64	44637	20.955	ug/l	100
7) Trichlorofluoromethane	3.301	101	45707	19.298	ug/l	97
8) Diethyl Ether	3.722	74	43297	19.332	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.094	101	63683	21.064	ug/l	98
10) Methyl Iodide	4.301	142	84226	20.597	ug/l	99
11) Tert butyl alcohol	5.210	59	31590	105.922	ug/l	96
12) 1,1-Dichloroethene	4.076	96	68292	21.132	ug/l	97
13) Acrolein	3.923	56	48499	91.366	ug/l	95
14) Allyl chloride	4.697	41	103275	20.591	ug/l	99
15) Acrylonitrile	5.399	53	102219	88.620	ug/l	100
16) Acetone	4.155	43	135529	122.829	ug/l	100
17) Carbon Disulfide	4.417	76	160875	21.651	ug/l	98
18) Methyl Acetate	4.704	43	53153	14.007	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	118072	19.710	ug/l	100
20) Methylene Chloride	4.947	84	101964	21.234	ug/l	98
21) trans-1,2-Dichloroethene	5.453	96	72035	20.671	ug/l	92
22) Diisopropyl ether	6.337	45	226621	20.334	ug/l	94
23) Vinyl Acetate	6.283	43	725065	101.130	ug/l	99
24) 1,1-Dichloroethane	6.240	63	140586	19.983	ug/l	99
25) 2-Butanone	7.191	43	154905	100.720	ug/l	96
26) 2,2-Dichloropropane	7.185	77	72871	21.019	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	86590	19.978	ug/l	97
28) Bromochloromethane	7.526	49	62971	18.758	ug/l #	98
29) Tetrahydrofuran	7.551	42	86984	87.119	ug/l	99
30) Chloroform	7.691	83	149109	20.313	ug/l	96
31) Cyclohexane	7.965	56	117088	21.106	ug/l	94
32) 1,1,1-Trichloroethane	7.886	97	101299	20.485	ug/l	99
36) 1,1-Dichloropropene	8.093	75	100542	20.840	ug/l	99
37) Ethyl Acetate	7.276	43	60978	19.057	ug/l	99
38) Carbon Tetrachloride	8.081	117	93752	20.654	ug/l	97
39) Methylcyclohexane	9.343	83	115915	20.764	ug/l	92
40) Benzene	8.331	78	306302	20.170	ug/l	98

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41) Methacrylonitrile	7.502	41	32832	17.916	ug/l	98
42) 1,2-Dichloroethane	8.410	62	98393	19.492	ug/l	99
43) Isopropyl Acetate	8.435	43	105370	18.396	ug/l	99
44) Trichloroethene	9.099	130	72007	20.286	ug/l	95
45) 1,2-Dichloropropane	9.373	63	78044	19.842	ug/l	99
46) Dibromomethane	9.465	93	46456	19.211	ug/l	99
47) Bromodichloromethane	9.648	83	108329	19.641	ug/l	99
48) Methyl methacrylate	9.441	41	49231	18.270	ug/l	96
49) 1,4-Dioxane	9.465	88	11298	348.840	ug/l #	98
51) 4-Methyl-2-Pentanone	10.215	43	301478	88.774	ug/l	100
52) Toluene	10.392	92	191152	20.308	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	99074	19.606	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	114967	19.706	ug/l	95
55) 1,1,2-Trichloroethane	10.788	97	62181	18.838	ug/l	97
56) Ethyl methacrylate	10.648	69	80857	18.597	ug/l	97
57) 1,3-Dichloropropane	10.934	76	107224	18.803	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	212181	88.898	ug/l	100
59) 2-Hexanone	10.971	43	218230	94.101	ug/l	97
60) Dibromochloromethane	11.129	129	69723	19.234	ug/l	98
61) 1,2-Dibromoethane	11.239	107	59218	18.936	ug/l	99
64) Tetrachloroethene	10.861	164	55423	20.523	ug/l	93
65) Chlorobenzene	11.660	112	216779	21.237	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	68045	21.078	ug/l	97
67) Ethyl Benzene	11.727	91	363183	21.737	ug/l	96
68) m/p-Xylenes	11.836	106	274780	42.903	ug/l	100
69) o-Xylene	12.166	106	129005	21.432	ug/l	99
70) Styrene	12.178	104	227760	21.577	ug/l	99
71) Bromoform	12.349	173	35931	19.100	ug/l #	98
73) Isopropylbenzene	12.458	105	327633	21.557	ug/l	99
74) N-amyl acetate	12.269	43	98794	20.641	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	77496	19.448	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	57052m	18.991	ug/l	
77) Bromobenzene	12.745	156	79837	21.357	ug/l	95
78) n-propylbenzene	12.800	91	415309	21.755	ug/l	99
79) 2-Chlorotoluene	12.891	91	252433	21.828	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	282095	21.710	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	22375	19.346	ug/l	89
82) 4-Chlorotoluene	12.989	91	266639	21.816	ug/l	99
83) tert-Butylbenzene	13.202	119	239765	22.063	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	294145	22.295	ug/l	98
85) sec-Butylbenzene	13.379	105	358750	21.984	ug/l	100
86) p-Isopropyltoluene	13.495	119	308031	22.792	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	167801	22.693	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	170824	22.614	ug/l	94
89) n-Butylbenzene	13.818	91	296710	21.876	ug/l	99
90) Hexachloroethane	14.086	117	53370	21.188	ug/l	97
91) 1,2-Dichlorobenzene	13.867	146	139829	20.215	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.482	75	12663	18.579	ug/l	94
93) 1,2,4-Trichlorobenzene	15.122	180	85932	20.940	ug/l	99
94) Hexachlorobutadiene	15.226	225	43985	23.338	ug/l	88
95) Naphthalene	15.354	128	192649	19.560	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	78521	20.578	ug/l	94

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

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