

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093025\
 Data File : VW032300.D
 Acq On : 30 Sep 2025 13:51
 Operator : SY/MD
 Sample : VW0930SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBS01

Manual Integrations
 APPROVED

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

Quant Time: Oct 01 00:52:31 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	217107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	424498	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	400367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	206719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	171101	49.912	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	99.820%		
35) Dibromofluoromethane	7.898	113	142591	46.707	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	93.420%		
50) Toluene-d8	10.325	98	513278	46.651	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	93.300%		
62) 4-Bromofluorobenzene	12.617	95	193357	46.590	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	93.180%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.040	85	32317	21.545	ug/l	96
3) Chloromethane	2.253	50	46917	21.856	ug/l	91
4) Vinyl Chloride	2.399	62	56151	22.388	ug/l	95
5) Bromomethane	2.814	94	39047	22.799	ug/l	96
6) Chloroethane	2.966	64	36649	21.564	ug/l	100
7) Trichlorofluoromethane	3.302	101	33180	17.557	ug/l	97
8) Diethyl Ether	3.722	74	38280	21.422	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.100	101	51158	21.208	ug/l	98
10) Methyl Iodide	4.301	142	72553	22.238	ug/l	99
11) Tert butyl alcohol	5.216	59	29760	125.064	ug/l #	85
12) 1,1-Dichloroethene	4.076	96	56597	21.949	ug/l	98
13) Acrolein	3.936	56	36984	87.323	ug/l	97
14) Allyl chloride	4.698	41	88952	22.228	ug/l	99
15) Acrylonitrile	5.405	53	102289	111.146	ug/l	97
16) Acetone	4.155	43	96955	110.129	ug/l	98
17) Carbon Disulfide	4.423	76	128947	21.750	ug/l	100
18) Methyl Acetate	4.710	43	66026	21.806	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	108064	22.609	ug/l	99
20) Methylene Chloride	4.948	84	78589	20.210	ug/l	95
21) trans-1,2-Dichloroethene	5.454	96	60594	21.793	ug/l	91
22) Diisopropyl ether	6.338	45	201564	22.668	ug/l	95
23) Vinyl Acetate	6.283	43	640056	111.889	ug/l	98
24) 1,1-Dichloroethane	6.240	63	122456	21.815	ug/l	98
25) 2-Butanone	7.191	43	137593	112.128	ug/l	97
26) 2,2-Dichloropropane	7.185	77	57072	20.633	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	74491	21.540	ug/l	98
28) Bromochloromethane	7.526	49	58717	21.921	ug/l #	98
29) Tetrahydrofuran	7.551	42	87782	110.190	ug/l	97
30) Chloroform	7.691	83	127270	21.730	ug/l	100
31) Cyclohexane	7.965	56	91180	20.600	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	86401	21.898	ug/l	100
36) 1,1-Dichloropropene	8.093	75	82800	20.117	ug/l	99
37) Ethyl Acetate	7.277	43	56323	20.633	ug/l	99
38) Carbon Tetrachloride	8.081	117	78595	20.297	ug/l	98
39) Methylcyclohexane	9.343	83	91606	19.235	ug/l	95
40) Benzene	8.337	78	265801	20.516	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	30237	19.341	ug/l	97
42) 1,2-Dichloroethane	8.410	62	88787	20.618	ug/l	100
43) Isopropyl Acetate	8.435	43	102367	20.949	ug/l	98
44) Trichloroethene	9.099	130	61945	20.456	ug/l	91
45) 1,2-Dichloropropane	9.374	63	68627	20.452	ug/l	99
46) Dibromomethane	9.465	93	40961	19.855	ug/l	98
47) Bromodichloromethane	9.648	83	95521	20.301	ug/l	98
48) Methyl methacrylate	9.441	41	48650	21.163	ug/l	99
49) 1,4-Dioxane	9.459	88	10743	388.818	ug/l #	86
51) 4-Methyl-2-Pentanone	10.215	43	302045	104.255	ug/l	98
52) Toluene	10.392	92	165196	20.573	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	88266	20.474	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	100883	20.270	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	57572	20.445	ug/l	97
56) Ethyl methacrylate	10.648	69	74646	20.124	ug/l	99
57) 1,3-Dichloropropane	10.934	76	100952	20.752	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	206010	101.174	ug/l	100
59) 2-Hexanone	10.971	43	209711	105.997	ug/l	97
60) Dibromochloromethane	11.129	129	61887	20.011	ug/l	97
61) 1,2-Dibromoethane	11.233	107	53988	20.237	ug/l	97
64) Tetrachloroethene	10.861	164	51942	21.289	ug/l	93
65) Chlorobenzene	11.660	112	188722	20.464	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.727	131	59658	20.455	ug/l	98
67) Ethyl Benzene	11.733	91	302232	20.022	ug/l	99
68) m/p-Xylenes	11.837	106	239515	41.392	ug/l	97
69) o-Xylene	12.166	106	110318	20.286	ug/l	98
70) Styrene	12.178	104	200334	21.007	ug/l	100
71) Bromoform	12.349	173	32178	18.932	ug/l #	95
73) Isopropylbenzene	12.465	105	279227	19.407	ug/l	100
74) N-amyl acetate	12.270	43	90017	19.867	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	74693	19.800	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	55630m	19.561	ug/l	
77) Bromobenzene	12.745	156	69347	19.596	ug/l	89
78) n-propylbenzene	12.800	91	352235	19.490	ug/l	100
79) 2-Chlorotoluene	12.891	91	220158	20.110	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	248065	20.166	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.507	75	20023	18.287	ug/l	93
82) 4-Chlorotoluene	12.983	91	230598	19.930	ug/l	99
83) tert-Butylbenzene	13.202	119	198391	19.284	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	251417	20.130	ug/l	99
85) sec-Butylbenzene	13.379	105	304113	19.685	ug/l	99
86) p-Isopropyltoluene	13.495	119	254644	19.903	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	145063	20.723	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	141131	19.735	ug/l	98
89) n-Butylbenzene	13.818	91	248350	19.342	ug/l	99
90) Hexachloroethane	14.086	117	45381	19.031	ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	129580	19.788	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	12672	19.639	ug/l	95
93) 1,2,4-Trichlorobenzene	15.123	180	75989	19.560	ug/l	97
94) Hexachlorobutadiene	15.226	225	36478	20.445	ug/l	85
95) Naphthalene	15.360	128	176967	18.980	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	71958	19.921	ug/l	98

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

