

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072825\
 Data File : VW031942.D
 Acq On : 28 Jul 2025 13:38
 Operator : SY/MD
 Sample : VW0728SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0728SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/29/2025
 Supervised By :Semsettin Yesilyurt 07/29/2025

Quant Time: Jul 29 01:19:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	195959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	349131	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	315776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	150028	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	157365	53.086	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 106.180%			
35) Dibromofluoromethane	7.898	113	133573	56.303	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 112.600%			
50) Toluene-d8	10.325	98	511900	57.012	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 114.020%			
62) 4-Bromofluorobenzene	12.617	95	193265	56.057	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 112.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	31629	21.717	ug/l	90
3) Chloromethane	2.253	50	42172	22.560	ug/l	96
4) Vinyl Chloride	2.405	62	55888	23.015	ug/l	99
5) Bromomethane	2.820	94	39132	21.884	ug/l	99
6) Chloroethane	2.966	64	35786	22.329	ug/l	99
7) Trichlorofluoromethane	3.302	101	47286	19.226	ug/l	99
8) Diethyl Ether	3.716	74	34334	20.898	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	54899	23.207	ug/l	98
10) Methyl Iodide	4.301	142	76396	21.599	ug/l	100
11) Tert butyl alcohol	5.216	59	19667	112.867	ug/l	99
12) 1,1-Dichloroethene	4.076	96	59766	22.873	ug/l	97
13) Acrolein	3.923	56	22604	86.856	ug/l	96
14) Allyl chloride	4.698	41	87680	21.556	ug/l	100
15) Acrylonitrile	5.399	53	79011	107.570	ug/l	99
16) Acetone	4.155	43	96708	137.481	ug/l	99
17) Carbon Disulfide	4.417	76	147848	21.817	ug/l	99
18) Methyl Acetate	4.704	43	41542	21.436	ug/l	97
19) Methyl tert-butyl Ether	5.454	73	101131	22.400	ug/l	99
20) Methylene Chloride	4.954	84	68737	20.060	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	61871	22.317	ug/l	96
22) Diisopropyl ether	6.338	45	178244	21.899	ug/l	97
23) Vinyl Acetate	6.283	43	586006	110.204	ug/l	98
24) 1,1-Dichloroethane	6.240	63	113129	22.324	ug/l	99
25) 2-Butanone	7.191	43	117457	122.040	ug/l	96
26) 2,2-Dichloropropane	7.185	77	63044	21.975	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	72441	22.226	ug/l	99
28) Bromochloromethane	7.526	49	40775	19.217	ug/l	99
29) Tetrahydrofuran	7.551	42	69293	109.813	ug/l	100
30) Chloroform	7.685	83	120817	22.738	ug/l	97
31) Cyclohexane	7.965	56	105188	23.137	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	91700	22.680	ug/l	98
36) 1,1-Dichloropropene	8.093	75	86752	23.811	ug/l	100
37) Ethyl Acetate	7.270	43	47665	22.934	ug/l	99
38) Carbon Tetrachloride	8.081	117	83357	23.840	ug/l	93
39) Methylcyclohexane	9.343	83	109794	23.946	ug/l	99
40) Benzene	8.337	78	257449	23.871	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	29409	23.638	ug/l	97
42) 1,2-Dichloroethane	8.410	62	79417	23.008	ug/l	100
43) Isopropyl Acetate	8.435	43	83760	22.262	ug/l	99
44) Trichloroethene	9.099	130	59554	23.231	ug/l	84
45) 1,2-Dichloropropane	9.374	63	60445	23.271	ug/l	97
46) Dibromomethane	9.465	93	36955	22.952	ug/l	98
47) Bromodichloromethane	9.648	83	89753	23.247	ug/l	98
48) Methyl methacrylate	9.441	41	40967	22.886	ug/l	97
49) 1,4-Dioxane	9.465	88	7520	468.068	ug/l #	86
51) 4-Methyl-2-Pentanone	10.215	43	238418	115.786	ug/l	99
52) Toluene	10.392	92	166357	23.995	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	83057	22.426	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	97873	23.141	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	51001	23.846	ug/l	96
56) Ethyl methacrylate	10.648	69	67624	22.388	ug/l	99
57) 1,3-Dichloropropane	10.934	76	89302	23.701	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	178048	114.758	ug/l	98
59) 2-Hexanone	10.971	43	171654	119.929	ug/l	98
60) Dibromochloromethane	11.129	129	57715	23.145	ug/l	98
61) 1,2-Dibromoethane	11.233	107	48136	22.777	ug/l	99
64) Tetrachloroethene	10.867	164	48176	23.140	ug/l	87
65) Chlorobenzene	11.660	112	177961	23.027	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.733	131	56409	23.544	ug/l	94
67) Ethyl Benzene	11.727	91	314355	23.150	ug/l	98
68) m/p-Xylenes	11.837	106	238776	46.710	ug/l	99
69) o-Xylene	12.166	106	114191	23.604	ug/l	97
70) Styrene	12.178	104	195923	23.787	ug/l	99
71) Bromoform	12.343	173	29160	22.254	ug/l #	99
73) Isopropylbenzene	12.465	105	303708	23.331	ug/l	99
74) N-amyl acetate	12.270	43	77118	21.914	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.715	83	60575	21.923	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	46822m	22.604	ug/l	
77) Bromobenzene	12.745	156	65393	23.218	ug/l	93
78) n-propylbenzene	12.800	91	366631	22.932	ug/l	100
79) 2-Chlorotoluene	12.891	91	219987	23.046	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	251694	23.054	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	18608	20.740	ug/l	93
82) 4-Chlorotoluene	12.983	91	228407	22.808	ug/l	99
83) tert-Butylbenzene	13.202	119	212189	22.817	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	246634	22.319	ug/l	97
85) sec-Butylbenzene	13.379	105	312345	22.365	ug/l	98
86) p-Isopropyltoluene	13.495	119	271557	23.525	ug/l	97
87) 1,3-Dichlorobenzene	13.495	146	132513	22.602	ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	132413	23.055	ug/l	99
89) n-Butylbenzene	13.818	91	255649	22.576	ug/l	98
90) Hexachloroethane	14.092	117	43661	21.874	ug/l	96
91) 1,2-Dichlorobenzene	13.867	146	116060	22.337	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.476	75	11004	22.043	ug/l	92
93) 1,2,4-Trichlorobenzene	15.123	180	69673	22.235	ug/l	92
94) Hexachlorobutadiene	15.226	225	34371	23.148	ug/l	97
95) Naphthalene	15.360	128	165856	21.529	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	62600	22.049	ug/l	97

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

