

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072825\
 Data File : VW031941.D
 Acq On : 28 Jul 2025 12:23
 Operator : SY/MD
 Sample : VW0728SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 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 01:18:20 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	7.965	168	206516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	384243	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	345139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	165491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	125704	40.237	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	80.480%		
35) Dibromofluoromethane	7.898	113	103855	39.776	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	79.560%		
50) Toluene-d8	10.325	98	392857	39.756	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	79.520%		
62) 4-Bromofluorobenzene	12.617	95	152194	40.110	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	80.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	29116	18.970	ug/l	95
3) Chloromethane	2.253	50	37396	18.983	ug/l	100
4) Vinyl Chloride	2.406	62	48939	19.123	ug/l	92
5) Bromomethane	2.820	94	36688	19.469	ug/l	99
6) Chloroethane	2.972	64	32180	19.053	ug/l	93
7) Trichlorofluoromethane	3.308	101	46431	17.913	ug/l	96
8) Diethyl Ether	3.722	74	33854	19.553	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	50084	20.089	ug/l	98
10) Methyl Iodide	4.301	142	72575	19.470	ug/l	99
11) Tert butyl alcohol	5.228	59	23694	129.027	ug/l	98
12) 1,1-Dichloroethene	4.082	96	53040	19.261	ug/l	99
13) Acrolein	3.930	56	22812	82.704	ug/l	97
14) Allyl chloride	4.704	41	80701	18.826	ug/l	100
15) Acrylonitrile	5.405	53	85216	110.087	ug/l	99
16) Acetone	4.155	43	85540	115.388	ug/l	99
17) Carbon Disulfide	4.423	76	134513	18.835	ug/l	97
18) Methyl Acetate	4.710	43	52570	25.739	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	101613	21.357	ug/l	96
20) Methylene Chloride	4.954	84	64019	17.131	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	58102	19.886	ug/l	95
22) Diisopropyl ether	6.344	45	173010	20.170	ug/l	95
23) Vinyl Acetate	6.289	43	571713	102.020	ug/l	99
24) 1,1-Dichloroethane	6.240	63	108312	20.281	ug/l	99
25) 2-Butanone	7.197	43	117858	116.196	ug/l	97
26) 2,2-Dichloropropane	7.185	77	58867	19.470	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	68053	19.813	ug/l	98
28) Bromochloromethane	7.533	49	46934	20.989	ug/l	96
29) Tetrahydrofuran	7.557	42	75903	114.139	ug/l	98
30) Chloroform	7.697	83	115421	20.612	ug/l	97
31) Cyclohexane	7.972	56	94750	19.775	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	85124	19.977	ug/l	97
36) 1,1-Dichloropropene	8.100	75	79005	19.703	ug/l	99
37) Ethyl Acetate	7.277	43	47508	20.770	ug/l	97
38) Carbon Tetrachloride	8.081	117	75413	19.597	ug/l	100
39) Methylcyclohexane	9.343	83	98660	19.552	ug/l	99
40) Benzene	8.337	78	238756	20.115	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	29209	21.332	ug/l	98
42) 1,2-Dichloroethane	8.411	62	78886	20.766	ug/l	99
43) Isopropyl Acetate	8.435	43	87718	21.183	ug/l	100
44) Trichloroethene	9.099	130	57452	20.363	ug/l	93
45) 1,2-Dichloropropane	9.380	63	58135	20.337	ug/l	97
46) Dibromomethane	9.465	93	37483	21.153	ug/l	96
47) Bromodichloromethane	9.654	83	86678	20.399	ug/l	97
48) Methyl methacrylate	9.441	41	42032	21.335	ug/l	97
49) 1,4-Dioxane	9.471	88	8244	466.242	ug/l #	82
51) 4-Methyl-2-Pentanone	10.215	43	254159	112.152	ug/l	100
52) Toluene	10.392	92	152851	20.032	ug/l	97
53) t-1,3-Dichloropropene	10.611	75	82332	20.199	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	94679	20.340	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	48645	20.666	ug/l	89
56) Ethyl methacrylate	10.648	69	69168	20.807	ug/l	100
57) 1,3-Dichloropropane	10.934	76	86381	20.831	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.929	63	190643	111.648	ug/l	100
59) 2-Hexanone	10.971	43	177604	112.748	ug/l	99
60) Dibromochloromethane	11.130	129	57643	21.004	ug/l	95
61) 1,2-Dibromoethane	11.239	107	49222	21.163	ug/l	99
64) Tetrachloroethene	10.861	164	45419	19.960	ug/l	95
65) Chlorobenzene	11.654	112	167331	19.809	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.733	131	51335	19.603	ug/l	99
67) Ethyl Benzene	11.727	91	296524	19.979	ug/l	99
68) m/p-Xylenes	11.837	106	227699	40.754	ug/l	99
69) o-Xylene	12.166	106	106945	20.226	ug/l	95
70) Styrene	12.178	104	186281	20.692	ug/l	99
71) Bromoform	12.349	173	29748	20.771	ug/l #	97
73) Isopropylbenzene	12.465	105	274011	19.083	ug/l	99
74) N-amyl acetate	12.270	43	78745	20.285	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	64003	20.999	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	48473m	21.215	ug/l	
77) Bromobenzene	12.745	156	61937	19.936	ug/l	95
78) n-propylbenzene	12.800	91	343332	19.468	ug/l	100
79) 2-Chlorotoluene	12.891	91	207392	19.696	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	231045	19.185	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	19210	19.411	ug/l	96
82) 4-Chlorotoluene	12.989	91	215256	19.487	ug/l	100
83) tert-Butylbenzene	13.202	119	198895	19.389	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	241832	19.840	ug/l	100
85) sec-Butylbenzene	13.379	105	291512	18.923	ug/l	99
86) p-Isopropyltoluene	13.495	119	245664	19.294	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	126837	19.612	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	126857	20.024	ug/l	98
89) n-Butylbenzene	13.818	91	237858	19.043	ug/l	99
90) Hexachloroethane	14.086	117	41463	18.832	ug/l	98
91) 1,2-Dichlorobenzene	13.861	146	110138	19.216	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.483	75	11394	20.692	ug/l	96
93) 1,2,4-Trichlorobenzene	15.123	180	68392	19.786	ug/l	93
94) Hexachlorobutadiene	15.232	225	29323	17.903	ug/l	92
95) Naphthalene	15.360	128	176126	20.726	ug/l	98
96) 1,2,3-Trichlorobenzene	15.549	180	60857	19.432	ug/l	93

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

