

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
 Data File : VW031770.D
 Acq On : 09 Jul 2025 11:56
 Operator : SY/MD
 Sample : VW0709SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0709SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
 Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 10 01:23:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	226723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	394001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	345377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	170831	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	151031	46.418	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	92.840%
35) Dibromofluoromethane	7.904	113	125576	48.843	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	97.680%
50) Toluene-d8	10.331	98	475528	49.701	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	99.400%
62) 4-Bromofluorobenzene	12.617	95	172645	49.033	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	98.060%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	28780	18.639	ug/l	98
3) Chloromethane	2.253	50	35406	19.020	ug/l	95
4) Vinyl Chloride	2.405	62	48018	19.625	ug/l	100
5) Bromomethane	2.826	94	36184	18.933	ug/l	93
6) Chloroethane	2.972	64	32124	19.328	ug/l	99
7) Trichlorofluoromethane	3.308	101	43174	19.430	ug/l	97
8) Diethyl Ether	3.722	74	31945	18.919	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.100	101	47855	19.403	ug/l	98
10) Methyl Iodide	4.314	142	73098	19.225	ug/l	99
11) Tert butyl alcohol	5.222	59	18474	91.647	ug/l	97
12) 1,1-Dichloroethene	4.076	96	50845	18.821	ug/l	97
13) Acrolein	3.936	56	29254	80.745	ug/l	100
14) Allyl chloride	4.704	41	82059	19.797	ug/l	97
15) Acrylonitrile	5.405	53	79326	95.536	ug/l	100
16) Acetone	4.167	43	81725	101.620	ug/l	97
17) Carbon Disulfide	4.417	76	136643	18.902	ug/l	100
18) Methyl Acetate	4.710	43	45199	19.665	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	92123	20.091	ug/l	98
20) Methylene Chloride	4.960	84	97362	28.117	ug/l	99
21) trans-1,2-Dichloroethene	5.460	96	57480	20.024	ug/l	98
22) Diisopropyl ether	6.344	45	162918	20.153	ug/l	99
23) Vinyl Acetate	6.283	43	538271	97.483	ug/l	99
24) 1,1-Dichloroethane	6.246	63	103690	19.784	ug/l	99
25) 2-Butanone	7.197	43	106236	101.538	ug/l	99
26) 2,2-Dichloropropane	7.191	77	60544	19.799	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	65952	19.987	ug/l	98
28) Bromochloromethane	7.526	49	46159	19.958	ug/l	98
29) Tetrahydrofuran	7.557	42	69479	96.968	ug/l	99
30) Chloroform	7.697	83	109788	19.714	ug/l	96
31) Cyclohexane	7.971	56	88597	19.124	ug/l	94
32) 1,1,1-Trichloroethane	7.892	97	84841	19.768	ug/l	99
36) 1,1-Dichloropropene	8.093	75	76874	20.663	ug/l	99
37) Ethyl Acetate	7.276	43	45575	19.419	ug/l	99
38) Carbon Tetrachloride	8.081	117	75894	20.019	ug/l	93
39) Methylcyclohexane	9.343	83	93092	20.111	ug/l	99
40) Benzene	8.337	78	228473	20.757	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	26555	21.122	ug/l	97
42) 1,2-Dichloroethane	8.416	62	75877	20.401	ug/l	100
43) Isopropyl Acetate	8.435	43	79836	19.734	ug/l	97
44) Trichloroethene	9.105	130	56819	20.682	ug/l	96
45) 1,2-Dichloropropane	9.374	63	53934	20.274	ug/l	99
46) Dibromomethane	9.465	93	35611	20.734	ug/l	96
47) Bromodichloromethane	9.654	83	80464	19.979	ug/l	97
48) Methyl methacrylate	9.441	41	38379	19.293	ug/l	96
49) 1,4-Dioxane	9.471	88	6303	313.341	ug/l #	82
51) 4-Methyl-2-Pentanone	10.215	43	234832	100.967	ug/l	100
52) Toluene	10.392	92	145186	20.601	ug/l	99
53) t-1,3-Dichloropropene	10.605	75	75014	19.851	ug/l	98
54) cis-1,3-Dichloropropene	10.081	75	86499	20.192	ug/l	100
55) 1,1,2-Trichloroethane	10.788	97	46054	20.470	ug/l	95
56) Ethyl methacrylate	10.648	69	60627	19.863	ug/l	99
57) 1,3-Dichloropropane	10.934	76	79273	20.069	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	169076	100.599	ug/l	100
59) 2-Hexanone	10.971	43	166903	105.898	ug/l	98
60) Dibromochloromethane	11.129	129	55284	20.549	ug/l	100
61) 1,2-Dibromoethane	11.239	107	45281	20.105	ug/l	99
64) Tetrachloroethene	10.867	164	46946	20.780	ug/l	92
65) Chlorobenzene	11.660	112	162916	21.379	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.727	131	52169	21.484	ug/l	97
67) Ethyl Benzene	11.733	91	282587	21.386	ug/l	97
68) m/p-Xylenes	11.843	106	212182	41.772	ug/l	100
69) o-Xylene	12.166	106	97609	20.754	ug/l	100
70) Styrene	12.178	104	171352	21.075	ug/l	98
71) Bromoform	12.349	173	29070	20.067	ug/l	100
73) Isopropylbenzene	12.464	105	262365	20.191	ug/l	100
74) N-amyl acetate	12.269	43	68029	19.424	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	58061	20.126	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	46052m	20.861	ug/l	
77) Bromobenzene	12.745	156	61744	21.304	ug/l	85
78) n-propylbenzene	12.800	91	315462	20.273	ug/l	98
79) 2-Chlorotoluene	12.891	91	191318	20.418	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	219286	20.387	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	17382	18.339	ug/l	94
82) 4-Chlorotoluene	12.989	91	204443	20.782	ug/l	100
83) tert-Butylbenzene	13.202	119	190432	20.669	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	222940	20.457	ug/l	98
85) sec-Butylbenzene	13.379	105	279281	20.195	ug/l	100
86) p-Isopropyltoluene	13.495	119	232797	20.426	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	121479	20.901	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	118890	19.985	ug/l	94
89) n-Butylbenzene	13.818	91	218788	19.758	ug/l	99
90) Hexachloroethane	14.086	117	39970	19.439	ug/l	96
91) 1,2-Dichlorobenzene	13.867	146	107674	20.269	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.482	75	10835	19.235	ug/l	97
93) 1,2,4-Trichlorobenzene	15.129	180	65756	20.071	ug/l	98
94) Hexachlorobutadiene	15.226	225	32670	20.651	ug/l	88
95) Naphthalene	15.360	128	156209	19.448	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	61154	20.315	ug/l	97

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

