

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031838.D
 Acq On : 14 Jul 2025 10:14
 Operator : SY/MD
 Sample : VW0714SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0714SBS01

Quant Time: Jul 15 02:39:27 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

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
 Supervised By :Mahesh Dadoda 07/16/2025

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	217952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	419177	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	378051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	171979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	168287	53.803	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 107.600%			
35) Dibromofluoromethane	7.898	113	135758	49.632	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 99.260%			
50) Toluene-d8	10.325	98	523647	51.443	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 102.880%			
62) 4-Bromofluorobenzene	12.617	95	195906	52.298	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 104.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	27886	18.787	ug/l	98
3) Chloromethane	2.259	50	35130	19.631	ug/l	98
4) Vinyl Chloride	2.405	62	48367	20.563	ug/l	96
5) Bromomethane	2.826	94	37087	20.187	ug/l	97
6) Chloroethane	2.978	64	32246	20.183	ug/l	99
7) Trichlorofluoromethane	3.308	101	35827	16.772	ug/l	89
8) Diethyl Ether	3.722	74	34493	21.250	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.112	101	46137	19.459	ug/l	98
10) Methyl Iodide	4.314	142	74062	20.262	ug/l	99
11) Tert butyl alcohol	5.222	59	17708	91.382	ug/l	98
12) 1,1-Dichloroethene	4.082	96	53161	20.470	ug/l	96
13) Acrolein	3.936	56	25657	73.666	ug/l	96
14) Allyl chloride	4.704	41	85131	21.365	ug/l	98
15) Acrylonitrile	5.405	53	79618	99.746	ug/l	98
16) Acetone	4.167	43	67311	87.065	ug/l	98
17) Carbon Disulfide	4.417	76	129954	18.700	ug/l	98
18) Methyl Acetate	4.704	43	41025	18.567	ug/l	98
19) Methyl tert-butyl Ether	5.460	73	100300	22.754	ug/l	99
20) Methylene Chloride	4.954	84	82155	24.047	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	59787	21.666	ug/l	94
22) Diisopropyl ether	6.338	45	180883	23.276	ug/l	98
23) Vinyl Acetate	6.283	43	575226	108.368	ug/l	98
24) 1,1-Dichloroethane	6.246	63	111909	22.212	ug/l	98
25) 2-Butanone	7.197	43	96881	96.323	ug/l	98
26) 2,2-Dichloropropane	7.191	77	58709	19.972	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	70817	22.325	ug/l	100
28) Bromochloromethane	7.533	49	48752	21.927	ug/l	100
29) Tetrahydrofuran	7.557	42	67445	97.917	ug/l	99
30) Chloroform	7.691	83	121573	22.708	ug/l	93
31) Cyclohexane	7.971	56	87883	19.733	ug/l	97
32) 1,1,1-Trichloroethane	7.892	97	85467	20.716	ug/l	98
36) 1,1-Dichloropropene	8.093	75	80692	20.386	ug/l	99
37) Ethyl Acetate	7.276	43	48330	19.356	ug/l	99
38) Carbon Tetrachloride	8.087	117	72347	17.937	ug/l	96
39) Methylcyclohexane	9.343	83	90567	18.391	ug/l	100
40) Benzene	8.337	78	245256	20.943	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	25451	19.028	ug/l	92
42) 1,2-Dichloroethane	8.410	62	80807	20.422	ug/l	100
43) Isopropyl Acetate	8.435	43	81753	18.994	ug/l	97
44) Trichloroethene	9.099	130	59908	20.496	ug/l	99
45) 1,2-Dichloropropane	9.374	63	60430	21.351	ug/l	99
46) Dibromomethane	9.465	93	37053	20.278	ug/l	97
47) Bromodichloromethane	9.654	83	89016	20.775	ug/l	100
48) Methyl methacrylate	9.441	41	39807	18.809	ug/l	97
49) 1,4-Dioxane	9.465	88	7132	333.258	ug/l #	91
51) 4-Methyl-2-Pentanone	10.215	43	234264	94.673	ug/l	99
52) Toluene	10.392	92	160699	21.433	ug/l	96
53) t-1,3-Dichloropropene	10.611	75	82105	20.423	ug/l	95
54) cis-1,3-Dichloropropene	10.075	75	95843	21.030	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	49673	20.753	ug/l	95
56) Ethyl methacrylate	10.648	69	67972	20.932	ug/l	96
57) 1,3-Dichloropropane	10.934	76	87785	20.890	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	179746	100.524	ug/l	99
59) 2-Hexanone	10.971	43	160456	95.692	ug/l	99
60) Dibromochloromethane	11.129	129	57188	19.980	ug/l	97
61) 1,2-Dibromoethane	11.239	107	46829	19.544	ug/l	98
64) Tetrachloroethene	10.867	164	43730	17.684	ug/l	93
65) Chlorobenzene	11.654	112	169717	20.347	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.727	131	54487	20.499	ug/l	100
67) Ethyl Benzene	11.733	91	300085	20.747	ug/l	99
68) m/p-Xylenes	11.843	106	231057	41.556	ug/l	100
69) o-Xylene	12.166	106	109337	21.238	ug/l	99
70) Styrene	12.178	104	191458	21.513	ug/l	99
71) Bromoform	12.349	173	29021	18.302	ug/l #	100
73) Isopropylbenzene	12.465	105	275112	21.030	ug/l	99
74) N-amyl acetate	12.269	43	74524	21.136	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	60325	20.771	ug/l	98
76) 1,2,3-Trichloropropane	12.769	75	46070m	20.729	ug/l	
77) Bromobenzene	12.745	156	64951	22.261	ug/l	88
78) n-propylbenzene	12.800	91	343558	21.932	ug/l	98
79) 2-Chlorotoluene	12.891	91	208461	22.099	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	246277	22.744	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.507	75	17902	18.762	ug/l	93
82) 4-Chlorotoluene	12.983	91	221618	22.378	ug/l	98
83) tert-Butylbenzene	13.202	119	198157	21.364	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	253100	23.069	ug/l	96
85) sec-Butylbenzene	13.379	105	300477	21.583	ug/l	100
86) p-Isopropyltoluene	13.495	119	259099	22.582	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	119680	20.454	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	129229	21.578	ug/l	95
89) n-Butylbenzene	13.818	91	240051	21.533	ug/l	99
90) Hexachloroethane	14.086	117	42673	20.615	ug/l	97
91) 1,2-Dichlorobenzene	13.867	146	115441	21.586	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.483	75	10337	18.229	ug/l	95
93) 1,2,4-Trichlorobenzene	15.123	180	68117	20.653	ug/l	98
94) Hexachlorobutadiene	15.226	225	30212	18.970	ug/l	90
95) Naphthalene	15.360	128	165126	20.421	ug/l	98
96) 1,2,3-Trichlorobenzene	15.549	180	62893	20.753	ug/l	100

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

