

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW073125\
 Data File : VW031966.D
 Acq On : 31 Jul 2025 12:24
 Operator : SY/MD
 Sample : VW0731SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0731SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/01/2025
 Supervised By :Semsettin Yesilyurt 08/01/2025

Quant Time: Aug 01 01:13:30 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	216035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	400306	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	361118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	175966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	164130	50.222	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 100.440%			
35) Dibromofluoromethane	7.904	113	137368	50.500	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 101.000%			
50) Toluene-d8	10.325	98	517215	50.240	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 100.480%			
62) 4-Bromofluorobenzene	12.617	95	195595	49.480	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 98.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	29977	18.670	ug/l	95
3) Chloromethane	2.259	50	41951	20.356	ug/l	98
4) Vinyl Chloride	2.405	62	41694	15.575	ug/l	100
5) Bromomethane	2.820	94	36419	18.474	ug/l	91
6) Chloroethane	2.966	64	33696	19.071	ug/l	99
7) Trichlorofluoromethane	3.301	101	44337	16.352	ug/l	99
8) Diethyl Ether	3.722	74	34879	19.257	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.100	101	51185	19.626	ug/l	99
10) Methyl Iodide	4.313	142	70131	17.985	ug/l	99
11) Tert butyl alcohol	5.222	59	22298	116.075	ug/l	100
12) 1,1-Dichloroethene	4.076	96	52766	18.318	ug/l	94
13) Acrolein	3.935	56	16405	53.659	ug/l	98
14) Allyl chloride	4.697	41	78866	17.587	ug/l	99
15) Acrylonitrile	5.405	53	85203	105.220	ug/l	100
16) Acetone	4.167	43	75481	97.333	ug/l	98
17) Carbon Disulfide	4.423	76	130624	17.484	ug/l	98
18) Methyl Acetate	4.716	43	52082	24.377	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	95839	19.255	ug/l	97
20) Methylene Chloride	4.954	84	64702	16.377	ug/l	97
21) trans-1,2-Dichloroethene	5.466	96	58195	19.041	ug/l	96
22) Diisopropyl ether	6.344	45	172632	19.239	ug/l	96
23) Vinyl Acetate	6.283	43	566856	96.696	ug/l	98
24) 1,1-Dichloroethane	6.246	63	109929	19.677	ug/l	99
25) 2-Butanone	7.197	43	114148	107.580	ug/l	95
26) 2,2-Dichloropropane	7.191	77	55424	17.523	ug/l	96
27) cis-1,2-Dichloroethene	7.191	96	69828	19.434	ug/l	99
28) Bromochloromethane	7.532	49	39131	16.729	ug/l	96
29) Tetrahydrofuran	7.557	42	75665	108.768	ug/l	99
30) Chloroform	7.697	83	117118	19.994	ug/l	96
31) Cyclohexane	7.971	56	90924	18.141	ug/l	94
32) 1,1,1-Trichloroethane	7.892	97	86540	19.415	ug/l	96
36) 1,1-Dichloropropene	8.099	75	79593	19.053	ug/l	99
37) Ethyl Acetate	7.276	43	49130	20.617	ug/l	99
38) Carbon Tetrachloride	8.087	117	76922	19.187	ug/l	96
39) Methylcyclohexane	9.343	83	95204	18.110	ug/l	97
40) Benzene	8.337	78	245134	19.824	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	25678	18.001	ug/l #	86
42) 1,2-Dichloroethane	8.416	62	80391	20.313	ug/l	99
43) Isopropyl Acetate	8.441	43	86755	20.110	ug/l	99
44) Trichloroethene	9.105	130	57319	19.501	ug/l	92
45) 1,2-Dichloropropane	9.380	63	59212	19.882	ug/l	97
46) Dibromomethane	9.465	93	38073	20.623	ug/l	98
47) Bromodichloromethane	9.654	83	90219	20.380	ug/l	100
48) Methyl methacrylate	9.441	41	42261	20.591	ug/l	97
49) 1,4-Dioxane	9.465	88	9304	505.076	ug/l	94
51) 4-Methyl-2-Pentanone	10.215	43	258319	109.413	ug/l	100
52) Toluene	10.392	92	158405	19.927	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	82091	19.332	ug/l	99
54) cis-1,3-Dichloropropene	10.081	75	92532	19.081	ug/l	98
55) 1,1,2-Trichloroethane	10.794	97	52128	21.258	ug/l	97
56) Ethyl methacrylate	10.648	69	71000	20.501	ug/l	98
57) 1,3-Dichloropropane	10.934	76	91662	21.217	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	175729	98.784	ug/l	99
59) 2-Hexanone	10.971	43	183030	111.530	ug/l	98
60) Dibromochloromethane	11.129	129	60468	21.149	ug/l	96
61) 1,2-Dibromoethane	11.239	107	50639	20.898	ug/l	96
64) Tetrachloroethene	10.867	164	45285	19.020	ug/l	86
65) Chlorobenzene	11.660	112	170134	19.250	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.733	131	55355	20.203	ug/l	97
67) Ethyl Benzene	11.733	91	292776	18.854	ug/l	99
68) m/p-Xylenes	11.843	106	227435	38.905	ug/l	98
69) o-Xylene	12.166	106	102780	18.578	ug/l	92
70) Styrene	12.178	104	190083	20.180	ug/l	98
71) Bromoform	12.349	173	32526	21.706	ug/l #	96
73) Isopropylbenzene	12.464	105	267869	17.545	ug/l	99
74) N-amyl acetate	12.269	43	79474	19.254	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	65732	20.283	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	49897m	20.538	ug/l	
77) Bromobenzene	12.745	156	61359	18.574	ug/l	98
78) n-propylbenzene	12.800	91	336548	17.947	ug/l	98
79) 2-Chlorotoluene	12.891	91	202138	18.054	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	234810	18.337	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	18833	17.897	ug/l	98
82) 4-Chlorotoluene	12.989	91	219586	18.695	ug/l	99
83) tert-Butylbenzene	13.202	119	194683	17.849	ug/l	99
84) 1,2,4-Trimethylbenzene	13.251	105	243148	18.760	ug/l	99
85) sec-Butylbenzene	13.379	105	296307	18.090	ug/l	99
86) p-Isopropyltoluene	13.495	119	246089	18.176	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	129456	18.826	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	129589	19.237	ug/l	100
89) n-Butylbenzene	13.818	91	242661	18.271	ug/l	99
90) Hexachloroethane	14.086	117	43126	18.421	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	121077	19.867	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.482	75	12279	20.972	ug/l	92
93) 1,2,4-Trichlorobenzene	15.129	180	65980	17.952	ug/l	96
94) Hexachlorobutadiene	15.226	225	33184	19.054	ug/l	96
95) Naphthalene	15.360	128	173198	19.168	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	62451	18.754	ug/l	95

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

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