

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032082.D
 Acq On : 14 Aug 2025 10:27
 Operator : SY/MD
 Sample : VW0814SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0814SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/19/2025
 Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 03:47:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	208549	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	361028	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	335310	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	173541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	148274	49.159	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	98.320%		
35) Dibromofluoromethane	7.898	113	124570	53.409	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	106.820%		
50) Toluene-d8	10.325	98	447242	51.843	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	103.680%		
62) 4-Bromofluorobenzene	12.617	95	156394	49.195	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	98.380%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.039	85	32981	22.111	ug/l	95
3) Chloromethane	2.253	50	36714	18.273	ug/l	100
4) Vinyl Chloride	2.405	62	47688	19.622	ug/l	91
5) Bromomethane	2.820	94	39599	21.718	ug/l	97
6) Chloroethane	2.966	64	32544	20.236	ug/l	97
7) Trichlorofluoromethane	3.295	101	36751	18.876	ug/l	93
8) Diethyl Ether	3.716	74	31522	19.762	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.094	101	50221	21.864	ug/l	97
10) Methyl Iodide	4.301	142	63316	19.442	ug/l	96
11) Tert butyl alcohol	5.222	59	17609	90.159	ug/l #	86
12) 1,1-Dichloroethene	4.076	96	54130	21.402	ug/l	99
13) Acrolein	3.923	56	25014	80.380	ug/l	99
14) Allyl chloride	4.704	41	62252	16.912	ug/l	89
15) Acrylonitrile	5.393	53	66066	86.957	ug/l	97
16) Acetone	4.155	43	81154	116.212	ug/l	96
17) Carbon Disulfide	4.417	76	118861	17.509	ug/l	97
18) Methyl Acetate	4.704	43	37911	17.156	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	80442	18.051	ug/l	97
20) Methylene Chloride	4.947	84	56840	17.604	ug/l	99
21) trans-1,2-Dichloroethene	5.454	96	49845	18.571	ug/l	97
22) Diisopropyl ether	6.337	45	139100	17.925	ug/l	93
23) Vinyl Acetate	6.283	43	471681	92.580	ug/l	99
24) 1,1-Dichloroethane	6.240	63	90076	18.168	ug/l	99
25) 2-Butanone	7.191	43	94859	95.576	ug/l	99
26) 2,2-Dichloropropane	7.185	77	46011	18.498	ug/l	100
27) cis-1,2-Dichloroethene	7.185	96	59218	18.875	ug/l	96
28) Bromochloromethane	7.526	49	43295	19.189	ug/l	94
29) Tetrahydrofuran	7.551	42	57438	87.753	ug/l	98
30) Chloroform	7.691	83	102932	19.583	ug/l	96
31) Cyclohexane	7.965	56	74302	17.286	ug/l	96
32) 1,1,1-Trichloroethane	7.892	97	74063	19.399	ug/l	99
36) 1,1-Dichloropropene	8.093	75	67400	20.499	ug/l	100
37) Ethyl Acetate	7.276	43	39578	20.438	ug/l	97
38) Carbon Tetrachloride	8.087	117	70115	22.097	ug/l	98
39) Methylcyclohexane	9.343	83	75369	18.806	ug/l	96
40) Benzene	8.331	78	208337	20.384	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	20590	18.749	ug/l	92
42) 1,2-Dichloroethane	8.410	62	71790	21.951	ug/l	99
43) Isopropyl Acetate	8.435	43	69849	19.605	ug/l	99
44) Trichloroethene	9.099	130	50257	20.648	ug/l	97
45) 1,2-Dichloropropane	9.374	63	48874	19.794	ug/l	99
46) Dibromomethane	9.465	93	34741	21.800	ug/l	99
47) Bromodichloromethane	9.648	83	77846	21.199	ug/l	98
48) Methyl methacrylate	9.441	41	32666	18.991	ug/l #	92
49) 1,4-Dioxane	9.459	88	7897	383.262	ug/l #	79
51) 4-Methyl-2-Pentanone	10.209	43	207218	103.043	ug/l	96
52) Toluene	10.392	92	132319	20.554	ug/l	99
53) t-1,3-Dichloropropene	10.605	75	66557	19.346	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	77941	19.970	ug/l	93
55) 1,1,2-Trichloroethane	10.788	97	43846	20.705	ug/l	96
56) Ethyl methacrylate	10.648	69	54454	19.216	ug/l #	94
57) 1,3-Dichloropropane	10.934	76	75241	20.384	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	150289	95.881	ug/l	99
59) 2-Hexanone	10.971	43	145508	104.476	ug/l	94
60) Dibromochloromethane	11.129	129	52415	21.668	ug/l	97
61) 1,2-Dibromoethane	11.239	107	43206	20.995	ug/l	100
64) Tetrachloroethene	10.867	164	41545	21.451	ug/l	94
65) Chlorobenzene	11.660	112	148850	20.395	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.727	131	49016	21.525	ug/l	96
67) Ethyl Benzene	11.727	91	249471	20.179	ug/l	98
68) m/p-Xylenes	11.836	106	191394	40.121	ug/l	96
69) o-Xylene	12.166	106	87428	19.829	ug/l	98
70) Styrene	12.178	104	157674	20.133	ug/l	100
71) Bromoform	12.349	173	28805	22.114	ug/l #	99
73) Isopropylbenzene	12.464	105	234043	19.298	ug/l	98
74) N-amyl acetate	12.269	43	63547	18.263	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	55414	19.244	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	47821m	20.303	ug/l	
77) Bromobenzene	12.745	156	58767	20.288	ug/l	89
78) n-propylbenzene	12.800	91	293106	19.630	ug/l	99
79) 2-Chlorotoluene	12.885	91	172088	18.674	ug/l	96
80) 1,3,5-Trimethylbenzene	12.940	105	199943	19.419	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	14926	16.406	ug/l #	84
82) 4-Chlorotoluene	12.983	91	186440	19.042	ug/l	98
83) tert-Butylbenzene	13.202	119	162438	19.009	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	204141	19.477	ug/l	97
85) sec-Butylbenzene	13.379	105	246430	19.074	ug/l	100
86) p-Isopropyltoluene	13.495	119	210533	19.547	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	123661	21.455	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	112801	19.366	ug/l	96
89) n-Butylbenzene	13.818	91	203065	19.407	ug/l	97
90) Hexachloroethane	14.086	117	37065	18.817	ug/l	97
91) 1,2-Dichlorobenzene	13.867	146	109453	20.963	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.482	75	9291	18.149	ug/l	95
93) 1,2,4-Trichlorobenzene	15.123	180	60665	19.423	ug/l	99
94) Hexachlorobutadiene	15.226	225	28357	20.310	ug/l	99
95) Naphthalene	15.360	128	136270	17.805	ug/l	98
96) 1,2,3-Trichlorobenzene	15.549	180	56830	19.997	ug/l	95

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

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