

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032151.D
 Acq On : 28 Aug 2025 11:32
 Operator : SY/MD
 Sample : VW0828SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2025
 Supervised By :Mahesh Dadoda 08/29/2025

Quant Time: Aug 29 01:16:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	225717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	376443	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	344016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	168452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	148074	45.871	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	91.740%		
35) Dibromofluoromethane	7.898	113	125127	47.377	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	94.760%		
50) Toluene-d8	10.325	98	435573	46.979	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	93.960%		
62) 4-Bromofluorobenzene	12.617	95	165759	48.348	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	96.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	31319	21.016	ug/l	93
3) Chloromethane	2.253	50	30596	19.582	ug/l	99
4) Vinyl Chloride	2.399	62	44098	21.729	ug/l	100
5) Bromomethane	2.820	94	37965	20.949	ug/l	99
6) Chloroethane	2.972	64	29505	20.644	ug/l	96
7) Trichlorofluoromethane	3.307	101	40540	20.161	ug/l	90
8) Diethyl Ether	3.722	74	30830	20.545	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.100	101	48595	21.453	ug/l	94
10) Methyl Iodide	4.307	142	72485	21.015	ug/l	98
11) Tert butyl alcohol	5.210	59	20955	106.127	ug/l	98
12) 1,1-Dichloroethene	4.082	96	48697	20.413	ug/l	98
13) Acrolein	3.929	56	31671	104.347	ug/l	99
14) Allyl chloride	4.704	41	70862	20.912	ug/l	98
15) Acrylonitrile	5.399	53	75074	102.903	ug/l	98
16) Acetone	4.161	43	92502	132.315	ug/l	100
17) Carbon Disulfide	4.417	76	124220	20.819	ug/l	100
18) Methyl Acetate	4.710	43	42720	19.179	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	93709	20.802	ug/l	99
20) Methylene Chloride	4.954	84	63942	19.659	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	54144	20.317	ug/l	92
22) Diisopropyl ether	6.344	45	155016	21.019	ug/l	95
23) Vinyl Acetate	6.283	43	524033	104.510	ug/l	97
24) 1,1-Dichloroethane	6.246	63	97693	20.234	ug/l	99
25) 2-Butanone	7.191	43	115474	116.564	ug/l	99
26) 2,2-Dichloropropane	7.185	77	56243	21.997	ug/l	100
27) cis-1,2-Dichloroethene	7.197	96	62473	19.265	ug/l	94
28) Bromochloromethane	7.532	49	42919	19.419	ug/l	100
29) Tetrahydrofuran	7.557	42	64561	102.556	ug/l	99
30) Chloroform	7.697	83	111788	20.279	ug/l	99
31) Cyclohexane	7.971	56	81446	20.552	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	85756	21.311	ug/l	98
36) 1,1-Dichloropropene	8.093	75	73209	21.379	ug/l	98
37) Ethyl Acetate	7.276	43	42997	20.931	ug/l	100
38) Carbon Tetrachloride	8.081	117	78923	21.499	ug/l	98
39) Methylcyclohexane	9.343	83	87256	21.513	ug/l	95
40) Benzene	8.331	78	222595	21.029	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	23257	20.377	ug/l	97
42) 1,2-Dichloroethane	8.410	62	76925	20.963	ug/l	99
43) Isopropyl Acetate	8.435	43	79047	20.511	ug/l	99
44) Trichloroethene	9.099	130	58035	21.802	ug/l	93
45) 1,2-Dichloropropane	9.373	63	53645	21.023	ug/l	98
46) Dibromomethane	9.465	93	37337	20.862	ug/l	98
47) Bromodichloromethane	9.654	83	83875	20.622	ug/l	97
48) Methyl methacrylate	9.441	41	37530	21.132	ug/l	97
49) 1,4-Dioxane	9.465	88	9311	430.581	ug/l #	82
51) 4-Methyl-2-Pentanone	10.215	43	233708	107.399	ug/l	98
52) Toluene	10.392	92	142373	20.583	ug/l	96
53) t-1,3-Dichloropropene	10.611	75	73072	20.366	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	86043	21.017	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	48120	20.676	ug/l	97
56) Ethyl methacrylate	10.648	69	61449	20.652	ug/l	99
57) 1,3-Dichloropropane	10.934	76	79548	20.413	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	161464	101.669	ug/l	99
59) 2-Hexanone	10.971	43	167911	110.950	ug/l	98
60) Dibromochloromethane	11.135	129	57103	20.277	ug/l	97
61) 1,2-Dibromoethane	11.239	107	47527	20.766	ug/l	98
64) Tetrachloroethene	10.867	164	48903	21.598	ug/l	95
65) Chlorobenzene	11.660	112	158232	20.208	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.733	131	53826	20.879	ug/l	99
67) Ethyl Benzene	11.733	91	276497	21.552	ug/l	96
68) m/p-Xylenes	11.836	106	213211	43.181	ug/l	97
69) o-Xylene	12.166	106	100574	21.534	ug/l	96
70) Styrene	12.178	104	174804	21.232	ug/l	99
71) Bromoform	12.349	173	32351	21.129	ug/l #	96
73) Isopropylbenzene	12.464	105	256051	22.374	ug/l	99
74) N-amyl acetate	12.269	43	70617	21.254	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	59747	21.968	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	43688m	20.702	ug/l	
77) Bromobenzene	12.745	156	63605	21.795	ug/l	99
78) n-propylbenzene	12.800	91	322200	23.190	ug/l	97
79) 2-Chlorotoluene	12.891	91	193123	22.731	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	221201	22.830	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	16782	21.411	ug/l	95
82) 4-Chlorotoluene	12.989	91	202480	22.264	ug/l	96
83) tert-Butylbenzene	13.202	119	188675	22.966	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	227082	22.653	ug/l	100
85) sec-Butylbenzene	13.379	105	280705	22.885	ug/l	99
86) p-Isopropyltoluene	13.495	119	238295	22.845	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	129065	21.965	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	123868	21.031	ug/l	98
89) n-Butylbenzene	13.818	91	225088	22.633	ug/l	98
90) Hexachloroethane	14.086	117	41189	21.588	ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	121420	23.339	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.482	75	10597	22.056	ug/l	98
93) 1,2,4-Trichlorobenzene	15.129	180	72282	21.746	ug/l	94
94) Hexachlorobutadiene	15.226	225	36329	22.038	ug/l	96
95) Naphthalene	15.360	128	165712	22.029	ug/l	99
96) 1,2,3-Trichlorobenzene	15.555	180	68491	22.157	ug/l	99

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

