

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032150.D
 Acq On : 28 Aug 2025 11:10
 Operator : SY/MD
 Sample : VW0828SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 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 01:15:51 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	228157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	381987	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	346227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	175660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	146968	45.042	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	90.080%		
35) Dibromofluoromethane	7.898	113	122717	45.790	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	91.580%		
50) Toluene-d8	10.325	98	447295	47.544	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	95.080%		
62) 4-Bromofluorobenzene	12.617	95	166523	47.866	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	95.740%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	32324	21.458	ug/l	94
3) Chloromethane	2.253	50	30199	19.121	ug/l	96
4) Vinyl Chloride	2.399	62	41977	20.463	ug/l	97
5) Bromomethane	2.814	94	36527	19.940	ug/l	94
6) Chloroethane	2.966	64	28796	19.933	ug/l	96
7) Trichlorofluoromethane	3.295	101	36482	17.949	ug/l	99
8) Diethyl Ether	3.722	74	28271	18.639	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	45559	19.898	ug/l	99
10) Methyl Iodide	4.301	142	69451	19.920	ug/l	100
11) Tert butyl alcohol	5.216	59	18711	93.749	ug/l #	82
12) 1,1-Dichloroethene	4.076	96	47934	19.879	ug/l	93
13) Acrolein	3.923	56	28571	93.127	ug/l	98
14) Allyl chloride	4.698	41	67337	19.659	ug/l	99
15) Acrylonitrile	5.399	53	65026	88.177	ug/l	98
16) Acetone	4.149	43	89831	127.121	ug/l	97
17) Carbon Disulfide	4.417	76	122160	20.255	ug/l	97
18) Methyl Acetate	4.698	43	37215	16.529	ug/l	96
19) Methyl tert-butyl Ether	5.460	73	88457	19.426	ug/l	98
20) Methylene Chloride	4.948	84	61752	18.594	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	52633	19.539	ug/l	91
22) Diisopropyl ether	6.338	45	146907	19.707	ug/l	98
23) Vinyl Acetate	6.283	43	479142	94.535	ug/l	96
24) 1,1-Dichloroethane	6.240	63	95380	19.544	ug/l	99
25) 2-Butanone	7.191	43	108359	108.212	ug/l	99
26) 2,2-Dichloropropane	7.185	77	54102	20.934	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	63430	19.351	ug/l	98
28) Bromochloromethane	7.526	49	42039	18.817	ug/l	98
29) Tetrahydrofuran	7.545	42	56566	88.895	ug/l	99
30) Chloroform	7.691	83	107327	19.262	ug/l	98
31) Cyclohexane	7.965	56	79748	19.909	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	79133	19.455	ug/l	100
36) 1,1-Dichloropropene	8.093	75	72042	20.733	ug/l	99
37) Ethyl Acetate	7.270	43	39507	18.953	ug/l	99
38) Carbon Tetrachloride	8.081	117	74701	20.054	ug/l	97
39) Methylcyclohexane	9.343	83	84595	20.554	ug/l	97
40) Benzene	8.331	78	213895	19.914	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	20239	17.476	ug/l	99
42) 1,2-Dichloroethane	8.410	62	71968	19.328	ug/l	98
43) Isopropyl Acetate	8.435	43	71388	18.255	ug/l	97
44) Trichloroethene	9.099	130	55832	20.670	ug/l	91
45) 1,2-Dichloropropane	9.374	63	51155	19.756	ug/l	97
46) Dibromomethane	9.465	93	34769	19.145	ug/l	99
47) Bromodichloromethane	9.648	83	78768	19.086	ug/l	97
48) Methyl methacrylate	9.441	41	32815	18.209	ug/l	97
49) 1,4-Dioxane	9.465	88	8110	369.598	ug/l #	79
51) 4-Methyl-2-Pentanone	10.215	43	205288	92.970	ug/l	99
52) Toluene	10.386	92	140868	20.069	ug/l	99
53) t-1,3-Dichloropropene	10.605	75	69345	19.047	ug/l	100
54) cis-1,3-Dichloropropene	10.075	75	79965	19.249	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	44834	18.985	ug/l	96
56) Ethyl methacrylate	10.648	69	54991	18.214	ug/l	98
57) 1,3-Dichloropropane	10.934	76	75786	19.165	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	151410	93.954	ug/l	99
59) 2-Hexanone	10.971	43	153515	99.965	ug/l	97
60) Dibromochloromethane	11.129	129	54958	19.232	ug/l	100
61) 1,2-Dibromoethane	11.233	107	44476	19.151	ug/l	99
64) Tetrachloroethene	10.861	164	48222	21.162	ug/l	97
65) Chlorobenzene	11.660	112	156453	19.853	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.733	131	50195	19.346	ug/l	96
67) Ethyl Benzene	11.727	91	268909	20.826	ug/l	94
68) m/p-Xylenes	11.837	106	207495	41.755	ug/l	99
69) o-Xylene	12.166	106	97785	20.803	ug/l	98
70) Styrene	12.178	104	170300	20.553	ug/l	99
71) Bromoform	12.343	173	29674	19.257	ug/l #	100
73) Isopropylbenzene	12.465	105	248787	20.847	ug/l	100
74) N-amyl acetate	12.269	43	65204	18.819	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	53600	18.899	ug/l	96
76) 1,2,3-Trichloropropane	12.763	75	40193m	18.264	ug/l	
77) Bromobenzene	12.745	156	62956	20.687	ug/l	95
78) n-propylbenzene	12.800	91	316270	21.829	ug/l	97
79) 2-Chlorotoluene	12.891	91	184759	20.854	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	216882	21.465	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	15235	18.640	ug/l	97
82) 4-Chlorotoluene	12.983	91	199307	21.016	ug/l	99
83) tert-Butylbenzene	13.202	119	183572	21.428	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	220476	21.092	ug/l	100
85) sec-Butylbenzene	13.379	105	267186	20.889	ug/l	98
86) p-Isopropyltoluene	13.495	119	228798	21.034	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	128658	20.997	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	124896	20.335	ug/l	99
89) n-Butylbenzene	13.818	91	219557	21.171	ug/l	98
90) Hexachloroethane	14.086	117	40835	20.524	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	115067	21.210	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.476	75	9396	18.754	ug/l	92
93) 1,2,4-Trichlorobenzene	15.129	180	74260	21.425	ug/l	97
94) Hexachlorobutadiene	15.232	225	35944	20.910	ug/l	98
95) Naphthalene	15.360	128	149323	19.036	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	67233	20.857	ug/l	98

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

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