

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032148.D
 Acq On : 28 Aug 2025 10:01
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Aug 29 01:14:24 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	241044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	380644	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	357892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	172713	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	148721	43.142	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	86.280%		
35) Dibromofluoromethane	7.898	113	126177	47.247	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	94.500%		
50) Toluene-d8	10.325	98	458860	48.945	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	97.880%		
62) 4-Bromofluorobenzene	12.617	95	170712	49.243	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	98.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	71694	45.050	ug/l	93
3) Chloromethane	2.253	50	73991	44.344	ug/l	99
4) Vinyl Chloride	2.399	62	107393	49.553	ug/l	97
5) Bromomethane	2.820	94	87125	45.018	ug/l	98
6) Chloroethane	2.966	64	71247	46.681	ug/l	98
7) Trichlorofluoromethane	3.302	101	100568	46.834	ug/l	92
8) Diethyl Ether	3.716	74	70051	43.714	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.100	101	119335	49.332	ug/l	99
10) Methyl Iodide	4.307	142	185891	50.468	ug/l	98
11) Tert butyl alcohol	5.210	59	46696	221.456	ug/l	99
12) 1,1-Dichloroethene	4.076	96	127403	50.010	ug/l	98
13) Acrolein	3.923	56	68563	211.532	ug/l	97
14) Allyl chloride	4.704	41	184779	51.063	ug/l	100
15) Acrylonitrile	5.393	53	181801	233.347	ug/l	99
16) Acetone	4.155	43	186103	249.276	ug/l	95
17) Carbon Disulfide	4.417	76	326632	51.263	ug/l	100
18) Methyl Acetate	4.704	43	108848	45.759	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	239300	49.744	ug/l	99
20) Methylene Chloride	4.941	84	143831	46.725	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	140838	49.488	ug/l	96
22) Diisopropyl ether	6.338	45	397838	50.514	ug/l	96
23) Vinyl Acetate	6.277	43	1326976	247.817	ug/l	99
24) 1,1-Dichloroethane	6.240	63	253593	49.184	ug/l	100
25) 2-Butanone	7.185	43	260184	245.940	ug/l	99
26) 2,2-Dichloropropane	7.179	77	149431	54.728	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	170250	49.162	ug/l	98
28) Bromochloromethane	7.526	49	104463	44.259	ug/l	99
29) Tetrahydrofuran	7.551	42	156166	232.297	ug/l	99
30) Chloroform	7.691	83	284328	48.299	ug/l	97
31) Cyclohexane	7.965	56	201006	47.497	ug/l	95
32) 1,1,1-Trichloroethane	7.886	97	218408	50.824	ug/l	99
36) 1,1-Dichloropropene	8.093	75	187746	54.221	ug/l	98
37) Ethyl Acetate	7.270	43	102269	49.234	ug/l	98
38) Carbon Tetrachloride	8.075	117	202722	54.613	ug/l	98
39) Methylcyclohexane	9.337	83	232961	56.802	ug/l	99
40) Benzene	8.331	78	560070	52.327	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	62055	53.772	ug/l	93
42) 1,2-Dichloroethane	8.410	62	191765	51.682	ug/l	100
43) Isopropyl Acetate	8.435	43	198554	50.953	ug/l	98
44) Trichloroethene	9.099	130	150414	55.881	ug/l	86
45) 1,2-Dichloropropane	9.374	63	133600	51.779	ug/l	99
46) Dibromomethane	9.465	93	92107	50.896	ug/l	98
47) Bromodichloromethane	9.648	83	221709	53.910	ug/l	96
48) Methyl methacrylate	9.441	41	93767	52.214	ug/l	96
49) 1,4-Dioxane	9.459	88	22600	1033.587	ug/l	96
51) 4-Methyl-2-Pentanone	10.209	43	562299	255.550	ug/l	100
52) Toluene	10.392	92	377856	54.023	ug/l	100
53) t-1,3-Dichloropropene	10.605	75	199433	54.971	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	227417	54.937	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	120713	51.295	ug/l	91
56) Ethyl methacrylate	10.648	69	163800	54.444	ug/l	98
57) 1,3-Dichloropropane	10.934	76	200668	50.925	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	413022	257.197	ug/l	99
59) 2-Hexanone	10.965	43	402480	263.009	ug/l	99
60) Dibromochloromethane	11.129	129	150908	52.995	ug/l	97
61) 1,2-Dibromoethane	11.233	107	117519	50.781	ug/l	98
64) Tetrachloroethene	10.861	164	123531	52.443	ug/l	94
65) Chlorobenzene	11.654	112	425517	52.235	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.727	131	143776	53.609	ug/l	97
67) Ethyl Benzene	11.727	91	734247	55.012	ug/l	97
68) m/p-Xylenes	11.837	106	570163	110.997	ug/l	98
69) o-Xylene	12.166	106	262163	53.956	ug/l	100
70) Styrene	12.178	104	457341	53.396	ug/l	100
71) Bromoform	12.349	173	83729	52.565	ug/l #	99
73) Isopropylbenzene	12.458	105	679690	57.927	ug/l	99
74) N-amyl acetate	12.269	43	184174	54.064	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.708	83	145706	52.253	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	102370m	47.311	ug/l	
77) Bromobenzene	12.739	156	169275	56.573	ug/l	97
78) n-propylbenzene	12.800	91	863563	60.621	ug/l	97
79) 2-Chlorotoluene	12.891	91	503799	57.834	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	582398	58.625	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	45981	57.216	ug/l	99
82) 4-Chlorotoluene	12.983	91	520805	55.853	ug/l	98
83) tert-Butylbenzene	13.202	119	507457	60.245	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	586692	57.083	ug/l	99
85) sec-Butylbenzene	13.379	105	749373	59.586	ug/l	99
86) p-Isopropyltoluene	13.495	119	633810	59.262	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	331028	54.946	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	327331	54.205	ug/l	98
89) n-Butylbenzene	13.818	91	616594	60.471	ug/l	98
90) Hexachloroethane	14.092	117	112008	57.256	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	304293	57.048	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.476	75	26478	53.749	ug/l	96
93) 1,2,4-Trichlorobenzene	15.129	180	197213	57.869	ug/l	100
94) Hexachlorobutadiene	15.226	225	90856	53.755	ug/l	91
95) Naphthalene	15.360	128	442559	57.381	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	177730	56.077	ug/l	99

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

