

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093025\
 Data File : VW032298.D
 Acq On : 30 Sep 2025 12:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
 Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 01 00:48:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 07:11:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	244399	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	443869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	407884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	203513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	178769	46.325	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	92.660%		
35) Dibromofluoromethane	7.898	113	149962	46.978	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	93.960%		
50) Toluene-d8	10.325	98	552080	47.988	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	95.980%		
62) 4-Bromofluorobenzene	12.617	95	208032	47.939	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	95.880%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.040	85	67567	40.015	ug/l	98
3) Chloromethane	2.253	50	97887	40.508	ug/l	92
4) Vinyl Chloride	2.405	62	130982	46.391	ug/l	97
5) Bromomethane	2.820	94	90146	46.757	ug/l	97
6) Chloroethane	2.966	64	89722	46.896	ug/l	96
7) Trichlorofluoromethane	3.302	101	94638	44.486	ug/l	99
8) Diethyl Ether	3.716	74	94025	46.742	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.094	101	129343	47.633	ug/l	98
10) Methyl Iodide	4.307	142	174142	47.414	ug/l	100
11) Tert butyl alcohol	5.222	59	66344	247.672	ug/l	99
12) 1,1-Dichloroethene	4.076	96	140972	48.566	ug/l	99
13) Acrolein	3.930	56	70769	148.434	ug/l	92
14) Allyl chloride	4.698	41	229358	50.915	ug/l	99
15) Acrylonitrile	5.399	53	253314	244.512	ug/l	99
16) Acetone	4.161	43	245069	247.283	ug/l	99
17) Carbon Disulfide	4.417	76	310084	46.462	ug/l	98
18) Methyl Acetate	4.704	43	187166	54.912	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	283866	52.758	ug/l	98
20) Methylene Chloride	4.954	84	178524	49.818	ug/l	99
21) trans-1,2-Dichloroethene	5.454	96	151550	48.418	ug/l	99
22) Diisopropyl ether	6.338	45	512878	51.237	ug/l	97
23) Vinyl Acetate	6.283	43	1631916	253.419	ug/l	98
24) 1,1-Dichloroethane	6.240	63	306345	48.481	ug/l	99
25) 2-Butanone	7.191	43	351973	254.800	ug/l	97
26) 2,2-Dichloropropane	7.185	77	157524	50.588	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	191666	49.234	ug/l	98
28) Bromochloromethane	7.526	49	144156	47.809	ug/l #	98
29) Tetrahydrofuran	7.551	42	223485	249.207	ug/l	99
30) Chloroform	7.691	83	318541	48.315	ug/l	95
31) Cyclohexane	7.971	56	234100	46.982	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	221280	49.820	ug/l	98
36) 1,1-Dichloropropene	8.093	75	213755	49.668	ug/l	99
37) Ethyl Acetate	7.270	43	140379	49.182	ug/l	99
38) Carbon Tetrachloride	8.081	117	208112	51.398	ug/l	95
39) Methylcyclohexane	9.343	83	250807	50.365	ug/l	98
40) Benzene	8.331	78	665837	49.151	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	83693	51.197	ug/l	97
42) 1,2-Dichloroethane	8.410	62	217444	48.290	ug/l	100
43) Isopropyl Acetate	8.435	43	259612	50.811	ug/l	98
44) Trichloroethene	9.093	130	158767	50.141	ug/l	94
45) 1,2-Dichloropropane	9.374	63	170934	48.719	ug/l	96
46) Dibromomethane	9.465	93	103219	47.850	ug/l	98
47) Bromodichloromethane	9.648	83	242757	49.340	ug/l	97
48) Methyl methacrylate	9.441	41	124530	51.807	ug/l	97
49) 1,4-Dioxane	9.465	88	29687	1027.562	ug/l #	99
51) 4-Methyl-2-Pentanone	10.215	43	773987	255.493	ug/l	99
52) Toluene	10.392	92	415584	49.496	ug/l	100
53) t-1,3-Dichloropropene	10.605	75	236447	52.453	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	272601	52.381	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	143608	48.772	ug/l	96
56) Ethyl methacrylate	10.648	69	207121	53.402	ug/l	98
57) 1,3-Dichloropropane	10.934	76	245199	48.204	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.928	63	572372	268.832	ug/l	100
59) 2-Hexanone	10.965	43	550061	265.892	ug/l	98
60) Dibromochloromethane	11.129	129	166916	51.618	ug/l	98
61) 1,2-Dibromoethane	11.233	107	135245	48.482	ug/l	99
64) Tetrachloroethene	10.861	164	125447	50.468	ug/l #	87
65) Chlorobenzene	11.654	112	457165	48.659	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.727	131	155571	52.357	ug/l	97
67) Ethyl Benzene	11.727	91	795652	51.738	ug/l	100
68) m/p-Xylenes	11.837	106	626390	106.255	ug/l	94
69) o-Xylene	12.166	106	300494	54.238	ug/l	98
70) Styrene	12.178	104	515087	53.016	ug/l	99
71) Bromoform	12.349	173	87392	50.470	ug/l	99
73) Isopropylbenzene	12.458	105	761675	53.772	ug/l	97
74) N-amyl acetate	12.269	43	238170	53.393	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	186268	50.155	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	130261m	46.524	ug/l	
77) Bromobenzene	12.745	156	177146	50.845	ug/l	94
78) n-propylbenzene	12.800	91	931527	52.355	ug/l	98
79) 2-Chlorotoluene	12.891	91	578344	53.659	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	640637	52.900	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	56938	52.821	ug/l	97
82) 4-Chlorotoluene	12.983	91	605026	53.115	ug/l	97
83) tert-Butylbenzene	13.202	119	546404	53.949	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	663668	53.975	ug/l	98
85) sec-Butylbenzene	13.379	105	826541	54.345	ug/l	99
86) p-Isopropyltoluene	13.495	119	686522	54.504	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	368604	53.487	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	362408	51.477	ug/l	94
89) n-Butylbenzene	13.818	91	684321	54.136	ug/l	99
90) Hexachloroethane	14.092	117	123003	52.395	ug/l	97
91) 1,2-Dichlorobenzene	13.867	146	325169	50.439	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.482	75	31518	49.616	ug/l	96
93) 1,2,4-Trichlorobenzene	15.129	180	195707	51.171	ug/l	98
94) Hexachlorobutadiene	15.226	225	96233	54.787	ug/l	82
95) Naphthalene	15.360	128	492563	53.660	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	189772	53.363	ug/l	98

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

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