

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
 Data File : VW032002.D
 Acq On : 04 Aug 2025 15:24
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
 Supervised By :Semsettin Yesilyurt 08/05/2025

Quant Time: Aug 05 01:20:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	210865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	411619	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	375477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	177640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	162574	50.966	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 101.940%			
35) Dibromofluoromethane	7.898	113	139653	49.929	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 99.860%			
50) Toluene-d8	10.324	98	506349	47.833	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 95.660%			
62) 4-Bromofluorobenzene	12.617	95	198243	48.771	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 97.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.045	85	78662	50.193	ug/l	98
3) Chloromethane	2.259	50	110157	54.763	ug/l	98
4) Vinyl Chloride	2.405	62	128952	49.350	ug/l	99
5) Bromomethane	2.826	94	104463	54.290	ug/l	99
6) Chloroethane	2.966	64	93658	54.308	ug/l	99
7) Trichlorofluoromethane	3.307	101	128247	48.458	ug/l	100
8) Diethyl Ether	3.722	74	94004	53.173	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	134456	52.819	ug/l	98
10) Methyl Iodide	4.313	142	197932	52.004	ug/l	99
11) Tert butyl alcohol	5.228	59	56395	300.768	ug/l	100
12) 1,1-Dichloroethene	4.082	96	145568	51.773	ug/l	97
13) Acrolein	3.929	56	14972	49.545	ug/l	98
14) Allyl chloride	4.709	41	229096	52.341	ug/l	99
15) Acrylonitrile	5.404	53	233800	295.808	ug/l	98
16) Acetone	4.161	43	195270	257.974	ug/l	99
17) Carbon Disulfide	4.423	76	394155	54.053	ug/l	99
18) Methyl Acetate	4.709	43	136825	65.611	ug/l	100
19) Methyl tert-butyl Ether	5.465	73	285227	58.711	ug/l	98
20) Methylene Chloride	4.959	84	167663	51.974	ug/l	97
21) trans-1,2-Dichloroethene	5.459	96	162609	54.508	ug/l	99
22) Diisopropyl ether	6.343	45	487017	55.606	ug/l	99
23) Vinyl Acetate	6.282	43	1599078	279.463	ug/l	98
24) 1,1-Dichloroethane	6.246	63	298659	54.769	ug/l	99
25) 2-Butanone	7.197	43	294187	284.058	ug/l	97
26) 2,2-Dichloropropane	7.185	77	157807	51.117	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	196701	56.086	ug/l	99
28) Bromochloromethane	7.532	49	109656	48.028	ug/l	97
29) Tetrahydrofuran	7.550	42	202700	298.524	ug/l	100
30) Chloroform	7.691	83	316638	55.380	ug/l	96
31) Cyclohexane	7.971	56	246168	50.319	ug/l	99
32) 1,1,1-Trichloroethane	7.886	97	230094	52.886	ug/l	99
36) 1,1-Dichloropropene	8.099	75	217478	50.630	ug/l	98
37) Ethyl Acetate	7.276	43	132746	54.174	ug/l	99
38) Carbon Tetrachloride	8.087	117	203826	49.444	ug/l	90
39) Methylcyclohexane	9.343	83	269494	49.854	ug/l	99
40) Benzene	8.337	78	665711	52.355	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	72701	49.564	ug/l	89
42) 1,2-Dichloroethane	8.416	62	214722	52.764	ug/l	99
43) Isopropyl Acetate	8.434	43	240471	54.209	ug/l	99
44) Trichloroethene	9.105	130	159011	52.612	ug/l	94
45) 1,2-Dichloropropane	9.373	63	163908	53.525	ug/l	98
46) Dibromomethane	9.465	93	103944	54.757	ug/l	99
47) Bromodichloromethane	9.654	83	242060	53.178	ug/l	95
48) Methyl methacrylate	9.440	41	116879	55.382	ug/l	98
49) 1,4-Dioxane	9.465	88	22580	1192.087	ug/l #	77
51) 4-Methyl-2-Pentanone	10.215	43	695504	286.490	ug/l	99
52) Toluene	10.391	92	423299	51.787	ug/l	95
53) t-1,3-Dichloropropene	10.611	75	232934	53.347	ug/l	96
54) cis-1,3-Dichloropropene	10.080	75	267688	53.683	ug/l	95
55) 1,1,2-Trichloroethane	10.788	97	138694	55.004	ug/l	95
56) Ethyl methacrylate	10.647	69	200814	56.390	ug/l	99
57) 1,3-Dichloropropane	10.934	76	241452	54.354	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	448842	245.376	ug/l	99
59) 2-Hexanone	10.971	43	477821	283.159	ug/l	100
60) Dibromochloromethane	11.129	129	163699	55.682	ug/l	100
61) 1,2-Dibromoethane	11.239	107	136645	54.843	ug/l	99
64) Tetrachloroethene	10.867	164	125818	50.824	ug/l	91
65) Chlorobenzene	11.659	112	469117	51.049	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	148536	52.138	ug/l	97
67) Ethyl Benzene	11.733	91	824369	51.057	ug/l	97
68) m/p-Xylenes	11.836	106	618923	101.825	ug/l	98
69) o-Xylene	12.165	106	293833	51.081	ug/l	97
70) Styrene	12.178	104	518864	52.978	ug/l	99
71) Bromoform	12.348	173	87472	56.142	ug/l #	100
73) Isopropylbenzene	12.464	105	759756	49.293	ug/l	98
74) N-amyl acetate	12.269	43	220001	52.797	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.714	83	171757	52.499	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	129466m	52.788	ug/l	
77) Bromobenzene	12.745	156	177897	53.344	ug/l	90
78) n-propylbenzene	12.799	91	926422	48.939	ug/l	99
79) 2-Chlorotoluene	12.891	91	558833	49.443	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	642679	49.717	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	55119	51.886	ug/l	96
82) 4-Chlorotoluene	12.988	91	578985	48.829	ug/l	100
83) tert-Butylbenzene	13.202	119	536042	48.682	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	634587	48.501	ug/l	96
85) sec-Butylbenzene	13.379	105	791591	47.871	ug/l	98
86) p-Isopropyltoluene	13.494	119	661739	48.416	ug/l	98
87) 1,3-Dichlorobenzene	13.501	146	313676	45.186	ug/l	94
88) 1,4-Dichlorobenzene	13.574	146	339595	49.938	ug/l	99
89) n-Butylbenzene	13.818	91	653516	48.742	ug/l	99
90) Hexachloroethane	14.092	117	113537	48.040	ug/l	94
91) 1,2-Dichlorobenzene	13.866	146	316158	51.389	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	30503	51.606	ug/l	99
93) 1,2,4-Trichlorobenzene	15.122	180	183993	49.590	ug/l	98
94) Hexachlorobutadiene	15.226	225	83998	47.777	ug/l	100
95) Naphthalene	15.360	128	480952	52.726	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	172358	51.272	ug/l	92

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

