

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072425\
 Data File : VW031915.D
 Acq On : 24 Jul 2025 08:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/25/2025
 Supervised By :Semsettin Yesilyurt 07/25/2025

Quant Time: Jul 25 03:39:11 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	7.959	168	222639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	404527	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	359775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	164983	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	157101	46.646	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	93.300%
35) Dibromofluoromethane	7.898	113	133206	48.459	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	96.920%
50) Toluene-d8	10.325	98	486822	46.795	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	93.580%
62) 4-Bromofluorobenzene	12.617	95	190236	47.622	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	95.240%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	83755	50.616	ug/l	96
3) Chloromethane	2.259	50	106455	50.124	ug/l	98
4) Vinyl Chloride	2.405	62	130986	47.478	ug/l	98
5) Bromomethane	2.826	94	96692	47.594	ug/l	100
6) Chloroethane	2.972	64	86881	47.714	ug/l	97
7) Trichlorofluoromethane	3.308	101	135741	48.577	ug/l	98
8) Diethyl Ether	3.722	74	87676	46.971	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.100	101	130672	48.617	ug/l	99
10) Methyl Iodide	4.307	142	197980	49.266	ug/l	98
11) Tert butyl alcohol	5.228	59	52861	267.011	ug/l	99
12) 1,1-Dichloroethene	4.076	96	142332	47.945	ug/l	98
13) Acrolein	3.930	56	45466	164.037	ug/l	95
14) Allyl chloride	4.704	41	219857	47.574	ug/l	100
15) Acrylonitrile	5.405	53	214954	257.581	ug/l	99
16) Acetone	4.161	43	196088	245.355	ug/l	99
17) Carbon Disulfide	4.423	76	374556	48.648	ug/l	99
18) Methyl Acetate	4.704	43	119446	54.248	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	268057	52.259	ug/l	99
20) Methylene Chloride	4.948	84	156808	45.453	ug/l	100
21) trans-1,2-Dichloroethene	5.460	96	150984	47.935	ug/l	99
22) Diisopropyl ether	6.344	45	455336	49.240	ug/l	97
23) Vinyl Acetate	6.283	43	1543424	255.472	ug/l	99
24) 1,1-Dichloroethane	6.246	63	279429	48.533	ug/l	99
25) 2-Butanone	7.197	43	286357	261.875	ug/l	95
26) 2,2-Dichloropropane	7.185	77	159256	48.858	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	182025	49.156	ug/l	100
28) Bromochloromethane	7.533	49	121267	50.305	ug/l	99
29) Tetrahydrofuran	7.551	42	190970	266.375	ug/l	99
30) Chloroform	7.691	83	299216	49.565	ug/l	99
31) Cyclohexane	7.971	56	235471	45.587	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	216772	47.189	ug/l	98
36) 1,1-Dichloropropene	8.093	75	208687	49.435	ug/l	99
37) Ethyl Acetate	7.270	43	125972	52.311	ug/l	100
38) Carbon Tetrachloride	8.081	117	199116	49.148	ug/l	98
39) Methylcyclohexane	9.343	83	261141	49.156	ug/l	94
40) Benzene	8.337	78	625215	50.032	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	72617	50.374	ug/l	91
42) 1,2-Dichloroethane	8.410	62	202228	50.565	ug/l	100
43) Isopropyl Acetate	8.435	43	229765	52.704	ug/l	100
44) Trichloroethene	9.099	130	148715	50.068	ug/l	100
45) 1,2-Dichloropropane	9.374	63	151769	50.430	ug/l	99
46) Dibromomethane	9.465	93	94944	50.893	ug/l	99
47) Bromodichloromethane	9.648	83	226639	50.663	ug/l	93
48) Methyl methacrylate	9.441	41	111760	53.885	ug/l	99
49) 1,4-Dioxane	9.471	88	23081	1239.900	ug/l #	86
51) 4-Methyl-2-Pentanone	10.209	43	652568	273.517	ug/l	100
52) Toluene	10.392	92	394113	49.061	ug/l	97
53) t-1,3-Dichloropropene	10.605	75	220870	51.471	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	252454	51.516	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	129965	52.446	ug/l	97
56) Ethyl methacrylate	10.648	69	188462	53.849	ug/l	99
57) 1,3-Dichloropropane	10.934	76	220211	50.441	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	491382	273.342	ug/l	99
59) 2-Hexanone	10.971	43	451833	272.452	ug/l	99
60) Dibromochloromethane	11.129	129	153066	52.978	ug/l	95
61) 1,2-Dibromoethane	11.239	107	124361	50.788	ug/l	96
64) Tetrachloroethene	10.867	164	113683	47.926	ug/l	92
65) Chlorobenzene	11.660	112	427684	48.571	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.727	131	136246	49.912	ug/l	100
67) Ethyl Benzene	11.727	91	756560	48.902	ug/l	99
68) m/p-Xylenes	11.837	106	560413	96.223	ug/l	95
69) o-Xylene	12.166	106	272966	49.524	ug/l	99
70) Styrene	12.178	104	474123	50.523	ug/l	99
71) Bromoform	12.343	173	76242	51.070	ug/l #	98
73) Isopropylbenzene	12.458	105	712282	49.758	ug/l	99
74) N-amyl acetate	12.269	43	203819	52.667	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.708	83	156346	51.454	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	115687m	50.788	ug/l	
77) Bromobenzene	12.745	156	152518	49.242	ug/l	97
78) n-propylbenzene	12.800	91	850680	48.385	ug/l	100
79) 2-Chlorotoluene	12.891	91	512539	48.826	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	588529	49.020	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	52410	53.121	ug/l	98
82) 4-Chlorotoluene	12.989	91	533273	48.425	ug/l	98
83) tert-Butylbenzene	13.202	119	501528	49.042	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	586953	48.302	ug/l	98
85) sec-Butylbenzene	13.379	105	734095	47.800	ug/l	97
86) p-Isopropyltoluene	13.489	119	603956	47.579	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	304492	47.228	ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	304075	48.145	ug/l	99
89) n-Butylbenzene	13.818	91	608974	48.904	ug/l	99
90) Hexachloroethane	14.086	117	106211	48.388	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	279361	48.892	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	28424	51.778	ug/l	96
93) 1,2,4-Trichlorobenzene	15.129	180	170593	49.506	ug/l	94
94) Hexachlorobutadiene	15.226	225	76175	46.651	ug/l	95
95) Naphthalene	15.354	128	455277	53.740	ug/l	98
96) 1,2,3-Trichlorobenzene	15.549	180	156991	50.283	ug/l	93

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

