

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071525\
 Data File : VW031862.D
 Acq On : 15 Jul 2025 15:27
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/16/2025
 Supervised By : Mahesh Dadoda 07/16/2025

Quant Time: Jul 16 01:25:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	235319	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	430907	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	396642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	185292	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	168914	50.018	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 100.040%	
35) Dibromofluoromethane	7.904	113	137871	49.032	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 98.060%	
50) Toluene-d8	10.331	98	524178	50.093	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 100.180%	
62) 4-Bromofluorobenzene	12.617	95	209857	54.497	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 109.000%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.052	85	85550	53.382	ug/l	93
3) Chloromethane	2.259	50	102207	52.899	ug/l	100
4) Vinyl Chloride	2.411	62	131080	51.616	ug/l	96
5) Bromomethane	2.832	94	92108	46.435	ug/l	96
6) Chloroethane	2.978	64	82351	47.739	ug/l	94
7) Trichlorofluoromethane	3.314	101	128023	55.510	ug/l	95
8) Diethyl Ether	3.722	74	88757	50.646	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	126214	49.304	ug/l	99
10) Methyl Iodide	4.320	142	184249	46.687	ug/l	98
11) Tert butyl alcohol	5.228	59	55146	263.578	ug/l	98
12) 1,1-Dichloroethene	4.082	96	143564	51.200	ug/l	93
13) Acrolein	3.942	56	97294	258.734	ug/l	99
14) Allyl chloride	4.704	41	209396	48.672	ug/l	96
15) Acrylonitrile	5.411	53	220153	255.455	ug/l	99
16) Acetone	4.173	43	194294	232.767	ug/l	98
17) Carbon Disulfide	4.423	76	364130	48.530	ug/l	100
18) Methyl Acetate	4.716	43	100300m	42.044	ug/l	
19) Methyl tert-butyl Ether	5.472	73	257221	54.047	ug/l	100
20) Methylene Chloride	4.960	84	161404	48.308	ug/l	99
21) trans-1,2-Dichloroethene	5.466	96	150999	50.681	ug/l	99
22) Diisopropyl ether	6.350	45	450028	53.635	ug/l	98
23) Vinyl Acetate	6.289	43	1657871	289.278	ug/l	99
24) 1,1-Dichloroethane	6.252	63	282705	51.970	ug/l	99
25) 2-Butanone	7.197	43	294093	270.819	ug/l	98
26) 2,2-Dichloropropane	7.191	77	146087	46.029	ug/l	98
27) cis-1,2-Dichloroethene	7.197	96	179528	52.420	ug/l	99
28) Bromochloromethane	7.532	49	131537	54.795	ug/l	99
29) Tetrahydrofuran	7.557	42	201230	270.586	ug/l	99
30) Chloroform	7.697	83	300012	51.903	ug/l	100
31) Cyclohexane	7.971	56	245355	51.025	ug/l	96
32) 1,1,1-Trichloroethane	7.892	97	218388	49.026	ug/l	99
36) 1,1-Dichloropropene	8.099	75	215472	52.956	ug/l	99
37) Ethyl Acetate	7.276	43	141270	55.038	ug/l	99
38) Carbon Tetrachloride	8.087	117	203891	49.174	ug/l	99
39) Methylcyclohexane	9.343	83	279075	55.127	ug/l	98
40) Benzene	8.337	78	627694	52.142	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	75628	55.003	ug/l	98
42) 1,2-Dichloroethane	8.416	62	203615	50.058	ug/l	99
43) Isopropyl Acetate	8.441	43	249173	56.317	ug/l	100
44) Trichloroethene	9.099	130	147551	49.108	ug/l	95
45) 1,2-Dichloropropane	9.380	63	152375	52.372	ug/l	99
46) Dibromomethane	9.471	93	98059	52.204	ug/l	97
47) Bromodichloromethane	9.654	83	224274	50.916	ug/l	98
48) Methyl methacrylate	9.447	41	118130	54.299	ug/l	97
49) 1,4-Dioxane	9.471	88	21751	988.696	ug/l #	91
51) 4-Methyl-2-Pentanone	10.215	43	685220	269.380	ug/l	98
52) Toluene	10.392	92	404064	52.424	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	225003	54.444	ug/l	99
54) cis-1,3-Dichloropropene	10.081	75	249992	53.359	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	127669	51.887	ug/l	94
56) Ethyl methacrylate	10.648	69	198905	59.586	ug/l	98
57) 1,3-Dichloropropane	10.934	76	228605	52.919	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	488551	265.788	ug/l	99
59) 2-Hexanone	10.971	43	486957	282.505	ug/l	98
60) Dibromochloromethane	11.129	129	150601	51.184	ug/l	99
61) 1,2-Dibromoethane	11.239	107	130222	52.867	ug/l	98
64) Tetrachloroethene	10.867	164	121320	46.760	ug/l	88
65) Chlorobenzene	11.660	112	436716	49.903	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.733	131	140429	50.355	ug/l	98
67) Ethyl Benzene	11.733	91	775312	51.091	ug/l	96
68) m/p-Xylenes	11.837	106	582562	99.864	ug/l	98
69) o-Xylene	12.166	106	281268	52.075	ug/l	98
70) Styrene	12.178	104	491802	52.670	ug/l	99
71) Bromoform	12.349	173	85023	51.106	ug/l	100
73) Isopropylbenzene	12.464	105	748432	53.102	ug/l	99
74) N-amyl acetate	12.269	43	229696	60.464	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	163410	52.223	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	129302m	54.000	ug/l	
77) Bromobenzene	12.745	156	155718	49.536	ug/l	96
78) n-propylbenzene	12.800	91	906397	53.704	ug/l	98
79) 2-Chlorotoluene	12.891	91	535269	52.667	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	616671	52.858	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	54862	53.365	ug/l	98
82) 4-Chlorotoluene	12.989	91	546802	51.246	ug/l	99
83) tert-Butylbenzene	13.202	119	508671	50.900	ug/l	98
84) 1,2,4-Trimethylbenzene	13.251	105	614301	51.968	ug/l	100
85) sec-Butylbenzene	13.379	105	800343	53.356	ug/l	99
86) p-Isopropyltoluene	13.495	119	651099	52.669	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	312814	49.620	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	316731	49.086	ug/l	98
89) n-Butylbenzene	13.818	91	649072	54.040	ug/l	99
90) Hexachloroethane	14.092	117	113355	50.827	ug/l	91
91) 1,2-Dichlorobenzene	13.867	146	291744	50.633	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.482	75	30198	49.426	ug/l	95
93) 1,2,4-Trichlorobenzene	15.129	180	187325	52.715	ug/l	92
94) Hexachlorobutadiene	15.226	225	85889	50.055	ug/l	90
95) Naphthalene	15.360	128	492336	56.513	ug/l	99
96) 1,2,3-Trichlorobenzene	15.555	180	170943	52.354	ug/l	99

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

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