

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
 Data File : VW031892.D
 Acq On : 22 Jul 2025 09:37
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:00:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 07:57:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	231127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	416059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	372788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	174884	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	34413	9.843	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	19.680%#
35) Dibromofluoromethane	7.898	113	29377	10.391	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	20.780%#
50) Toluene-d8	10.325	98	108902	10.178	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	20.360%#
62) 4-Bromofluorobenzene	12.617	95	42871	10.434	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	20.860%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.052	85	16819	9.791	ug/l	90
3) Chloromethane	2.253	50	21940	9.951	ug/l	99
4) Vinyl Chloride	2.405	62	28422	9.924	ug/l	95
5) Bromomethane	2.826	94	20976	9.946	ug/l	92
6) Chloroethane	2.972	64	18282	9.672	ug/l	95
7) Trichlorofluoromethane	3.308	101	25531	8.801	ug/l	93
8) Diethyl Ether	3.722	74	17727	9.148	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.100	101	27862	9.986	ug/l	100
10) Methyl Iodide	4.313	142	40718	9.760	ug/l	99
11) Tert butyl alcohol	5.222	59	9045	44.010	ug/l #	88
12) 1,1-Dichloroethene	4.076	96	30316	9.837	ug/l	94
13) Acrolein	3.929	56	16101	48.430	ug/l	100
14) Allyl chloride	4.704	41	45698	9.525	ug/l	99
15) Acrylonitrile	5.405	53	39188	45.235	ug/l	97
16) Acetone	4.167	43	43690	52.659	ug/l	96
17) Carbon Disulfide	4.417	76	75927	9.499	ug/l	97
18) Methyl Acetate	4.710	43	19716	8.625	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	51288	9.632	ug/l	99
20) Methylene Chloride	4.954	84	43038	8.241	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	31392	9.600	ug/l	97
22) Diisopropyl ether	6.344	45	90747	9.453	ug/l	98
23) Vinyl Acetate	6.283	43	284185	45.312	ug/l	98
24) 1,1-Dichloroethane	6.246	63	58334	9.760	ug/l	98
25) 2-Butanone	7.197	43	53335	46.984	ug/l	100
26) 2,2-Dichloropropane	7.191	77	32523	9.611	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	36460	9.485	ug/l	98
28) Bromochloromethane	7.526	49	24018	9.597	ug/l	97
29) Tetrahydrofuran	7.551	42	33119	44.500	ug/l	98
30) Chloroform	7.691	83	61757	9.854	ug/l	98
31) Cyclohexane	7.971	56	54338	10.133	ug/l #	95
32) 1,1,1-Trichloroethane	7.886	97	46989	9.853	ug/l	98
36) 1,1-Dichloropropene	8.093	75	44218	10.184	ug/l	99
37) Ethyl Acetate	7.270	43	23295	9.405	ug/l	99
38) Carbon Tetrachloride	8.081	117	41429	9.943	ug/l	98
39) Methylcyclohexane	9.343	83	53466	9.785	ug/l	95
40) Benzene	8.337	78	128121	9.969	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	14893m	10.209	ug/l	
42) 1,2-Dichloroethane	8.410	62	40250	9.785	ug/l	99
43) Isopropyl Acetate	8.435	43	40842	9.109	ug/l	99
44) Trichloroethene	9.099	130	30934	10.126	ug/l	94
45) 1,2-Dichloropropane	9.374	63	30529	9.863	ug/l	93
46) Dibromomethane	9.465	93	18831	9.814	ug/l	96
47) Bromodichloromethane	9.648	83	45402	9.868	ug/l	98
48) Methyl methacrylate	9.441	41	19089	8.949	ug/l	99
49) 1,4-Dioxane	9.471	88	3526	184.165	ug/l #	72
51) 4-Methyl-2-Pentanone	10.215	43	112498	45.845	ug/l	98
52) Toluene	10.392	92	83069	10.054	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	41264	9.349	ug/l	96
54) cis-1,3-Dichloropropene	10.081	75	48135	9.550	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	24676	9.682	ug/l	95
56) Ethyl methacrylate	10.648	69	32317	8.978	ug/l	99
57) 1,3-Dichloropropane	10.934	76	43658	9.723	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	85410	46.194	ug/l	100
59) 2-Hexanone	10.971	43	78182	45.837	ug/l	99
60) Dibromochloromethane	11.129	129	28189	9.486	ug/l	99
61) 1,2-Dibromoethane	11.239	107	24219	9.617	ug/l	99
64) Tetrachloroethene	10.861	164	24918	10.138	ug/l	96
65) Chlorobenzene	11.660	112	91460	10.024	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.733	131	27287	9.647	ug/l	98
67) Ethyl Benzene	11.733	91	157107	9.801	ug/l	100
68) m/p-Xylenes	11.843	106	119437	19.791	ug/l	97
69) o-Xylene	12.166	106	55307	9.684	ug/l	98
70) Styrene	12.178	104	93933	9.660	ug/l	99
71) Bromoform	12.349	173	13549	8.759	ug/l #	97
73) Isopropylbenzene	12.458	105	147152	9.698	ug/l	100
74) N-amyl acetate	12.269	43	35992	8.774	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	29777	9.245	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	22414m	9.362	ug/l	
77) Bromobenzene	12.739	156	31681	9.650	ug/l	98
78) n-propylbenzene	12.800	91	180937	9.709	ug/l	98
79) 2-Chlorotoluene	12.891	91	108108	9.716	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	122504	9.626	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	8950	8.558	ug/l	94
82) 4-Chlorotoluene	12.983	91	117523	10.068	ug/l	98
83) tert-Butylbenzene	13.202	119	104397	9.630	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	127309	9.883	ug/l	100
85) sec-Butylbenzene	13.379	105	160534	9.861	ug/l	100
86) p-Isopropyltoluene	13.495	119	131018	9.737	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	66474	9.727	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	66689	9.961	ug/l	97
89) n-Butylbenzene	13.818	91	125846	9.534	ug/l	99
90) Hexachloroethane	14.086	117	21002	9.026	ug/l	93
91) 1,2-Dichlorobenzene	13.867	146	59263	9.785	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.482	75	5072	8.716	ug/l	95
93) 1,2,4-Trichlorobenzene	15.129	180	33290	9.114	ug/l	99
94) Hexachlorobutadiene	15.226	225	16064	9.281	ug/l	93
95) Naphthalene	15.360	128	78956	8.792	ug/l	98
96) 1,2,3-Trichlorobenzene	15.549	180	31394	9.486	ug/l	92

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

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