

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121625\
 Data File : VW032652.D
 Acq On : 16 Dec 2025 13:27
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC010

Quant Time: Dec 17 00:38:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 17 00:33:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	334767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	597817	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	555919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	267915	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	57363	11.945	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	23.880%#
35) Dibromofluoromethane	7.898	113	46980	12.093	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	24.180%#
50) Toluene-d8	10.324	98	175623	11.997	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	24.000%#
62) 4-Bromofluorobenzene	12.617	95	63489	11.791	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	23.580%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.039	85	26526	13.617	ug/l	91
3) Chloromethane	2.247	50	45193	13.072	ug/l	97
4) Vinyl Chloride	2.399	62	56716	12.947	ug/l	99
5) Bromomethane	2.820	94	37450	13.083	ug/l	99
6) Chloroethane	2.966	64	36683	12.977	ug/l	91
7) Trichlorofluoromethane	3.301	101	51341	13.408	ug/l	99
8) Diethyl Ether	3.722	74	28595	11.789	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	50320	13.198	ug/l	97
10) Methyl Iodide	4.307	142	70345	13.063	ug/l	98
11) Tert butyl alcohol	5.222	59	16710	52.707	ug/l	95
12) 1,1-Dichloroethene	4.075	96	51656	12.898	ug/l	97
13) Acrolein	3.929	56	24989	55.161	ug/l	97
14) Allyl chloride	4.710	41	88965	12.217	ug/l	96
15) Acrylonitrile	5.405	53	74816	56.047	ug/l	99
16) Acetone	4.167	43	92287	55.950	ug/l	99
17) Carbon Disulfide	4.423	76	145439	12.913	ug/l	98
18) Methyl Acetate	4.710	43	32471	10.269	ug/l	96
19) Methyl tert-butyl Ether	5.465	73	96616	11.815	ug/l	98
20) Methylene Chloride	4.953	84	71210	12.088	ug/l	92
21) trans-1,2-Dichloroethene	5.465	96	55635	12.844	ug/l	87
22) Diisopropyl ether	6.337	45	181336	12.362	ug/l	92
23) Vinyl Acetate	6.282	43	556166	57.092	ug/l	99
24) 1,1-Dichloroethane	6.246	63	107309	12.604	ug/l	97
25) 2-Butanone	7.197	43	102678	54.764	ug/l	98
26) 2,2-Dichloropropane	7.185	77	64504	12.656	ug/l	100
27) cis-1,2-Dichloroethene	7.197	96	62139	12.272	ug/l	99
28) Bromochloromethane	7.532	49	33644	10.442	ug/l	98
29) Tetrahydrofuran	7.557	42	59372	52.577	ug/l	99
30) Chloroform	7.691	83	109887	12.968	ug/l	98
31) Cyclohexane	7.971	56	101666	12.881	ug/l #	95
32) 1,1,1-Trichloroethane	7.886	97	84856	13.148	ug/l	98
36) 1,1-Dichloropropene	8.093	75	77635	12.904	ug/l	98
37) Ethyl Acetate	7.276	43	44245	11.074	ug/l	98
38) Carbon Tetrachloride	8.087	117	72400	12.713	ug/l	95
39) Methylcyclohexane	9.343	83	92176	12.234	ug/l	96
40) Benzene	8.337	78	230916	12.778	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	22460	10.141	ug/l	95
42) 1,2-Dichloroethane	8.416	62	70237	12.283	ug/l	99
43) Isopropyl Acetate	8.434	43	76008	10.927	ug/l	98
44) Trichloroethene	9.105	130	50459	12.072	ug/l	97
45) 1,2-Dichloropropane	9.373	63	58196	12.627	ug/l	98
46) Dibromomethane	9.465	93	32265	12.169	ug/l	99
47) Bromodichloromethane	9.654	83	77223	12.358	ug/l	98
48) Methyl methacrylate	9.446	41	36976	11.042	ug/l	95
49) 1,4-Dioxane	9.465	88	7814	232.286	ug/l #	88
51) 4-Methyl-2-Pentanone	10.215	43	215114	55.064	ug/l	98
52) Toluene	10.391	92	137427	12.350	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	70622	11.616	ug/l	98
54) cis-1,3-Dichloropropene	10.081	75	84688	11.977	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	44279	12.318	ug/l	99
56) Ethyl methacrylate	10.648	69	53954	10.808	ug/l	97
57) 1,3-Dichloropropane	10.934	76	77024	12.096	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	81894	46.007	ug/l	98
59) 2-Hexanone	10.971	43	153161	54.423	ug/l	97
60) Dibromochloromethane	11.129	129	47210	11.852	ug/l	94
61) 1,2-Dibromoethane	11.239	107	40923	11.943	ug/l	97
64) Tetrachloroethene	10.867	164	45496	12.829	ug/l #	87
65) Chlorobenzene	11.660	112	155016	12.269	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.733	131	46400	11.997	ug/l	93
67) Ethyl Benzene	11.733	91	257606	11.929	ug/l	100
68) m/p-Xylenes	11.836	106	202425	24.577	ug/l	98
69) o-Xylene	12.166	106	89878	11.945	ug/l	99
70) Styrene	12.178	104	156734	11.955	ug/l	98
71) Bromoform	12.348	173	24171	11.186	ug/l #	98
73) Isopropylbenzene	12.464	105	226413	11.231	ug/l	99
74) N-amyl acetate	12.269	43	68031	10.330	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	51868	10.826	ug/l	97
76) 1,2,3-Trichloropropane	12.769	75	39932m	6.525	ug/l	
77) Bromobenzene	12.745	156	53770	11.576	ug/l	97
78) n-propylbenzene	12.800	91	296141	11.594	ug/l	99
79) 2-Chlorotoluene	12.891	91	177080	11.639	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	192940	11.480	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.507	75	15116	9.673	ug/l	90
82) 4-Chlorotoluene	12.989	91	191308	11.841	ug/l	99
83) tert-Butylbenzene	13.202	119	162174	11.243	ug/l	94
84) 1,2,4-Trimethylbenzene	13.245	105	196975	11.535	ug/l	99
85) sec-Butylbenzene	13.379	105	256715	11.666	ug/l	100
86) p-Isopropyltoluene	13.495	119	213278	11.836	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	112511	12.035	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	111096	11.829	ug/l	97
89) n-Butylbenzene	13.818	91	209635	11.568	ug/l	97
90) Hexachloroethane	14.086	117	40231	11.879	ug/l	95
91) 1,2-Dichlorobenzene	13.866	146	98872	11.683	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	8384	10.169	ug/l	97
93) 1,2,4-Trichlorobenzene	15.122	180	56432	11.265	ug/l	99
94) Hexachlorobutadiene	15.226	225	27176	11.608	ug/l	86
95) Naphthalene	15.360	128	112647	9.565	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	51239	11.384	ug/l	97

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

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