

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121025\
 Data File : VW032609.D
 Acq On : 10 Dec 2025 11:12
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC020

Quant Time: Dec 11 00:52:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 00:49:49 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2025
 Supervised By :Mahesh Dadoda 12/11/2025

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	420358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	765314	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	675538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	326336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	89722	14.702	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	29.400%#		
35) Dibromofluoromethane	7.898	113	73698	14.968	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	29.940%#		
50) Toluene-d8	10.325	98	277235	14.860	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	29.720%#		
62) 4-Bromofluorobenzene	12.617	95	102302	14.965	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	29.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	35460	13.638	ug/l	99
3) Chloromethane	2.253	50	61818	13.071	ug/l	98
4) Vinyl Chloride	2.405	62	75991	13.275	ug/l	97
5) Bromomethane	2.814	94	49222	12.933	ug/l	95
6) Chloroethane	2.966	64	47946	13.000	ug/l	99
7) Trichlorofluoromethane	3.308	101	62260	13.795	ug/l	95
8) Diethyl Ether	3.716	74	42969	13.132	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	66324	14.045	ug/l	98
10) Methyl Iodide	4.301	142	90323	12.729	ug/l	99
11) Tert butyl alcohol	5.216	59	30106	64.925	ug/l	98
12) 1,1-Dichloroethene	4.076	96	70336	13.315	ug/l	96
13) Acrolein	3.936	56	83257	99.941	ug/l	97
14) Allyl chloride	4.710	41	128682	13.292	ug/l	99
15) Acrylonitrile	5.399	53	121696	71.394	ug/l	100
16) Acetone	4.161	43	144465	76.045	ug/l	100
17) Carbon Disulfide	4.417	76	200389	12.845	ug/l	100
18) Methyl Acetate	4.710	43	54555	13.778	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	141300	14.315	ug/l	98
20) Methylene Chloride	4.954	84	86953	12.608	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	75502	13.105	ug/l	96
22) Diisopropyl ether	6.344	45	261250	13.517	ug/l	99
23) Vinyl Acetate	6.283	43	877382	69.057	ug/l	98
24) 1,1-Dichloroethane	6.246	63	146249	13.040	ug/l	100
25) 2-Butanone	7.197	43	177452	72.855	ug/l	99
26) 2,2-Dichloropropane	7.185	77	82146	12.554	ug/l	98
27) cis-1,2-Dichloroethene	7.197	96	86747	12.898	ug/l	98
28) Bromochloromethane	7.533	49	96087	19.270	ug/l	99
29) Tetrahydrofuran	7.551	42	105661	72.922	ug/l	99
30) Chloroform	7.691	83	145997	13.073	ug/l	99
31) Cyclohexane	7.971	56	138692	13.935	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	108955	13.411	ug/l	100
36) 1,1-Dichloropropene	8.093	75	103255	13.484	ug/l	99
37) Ethyl Acetate	7.277	43	73625	14.168	ug/l	99
38) Carbon Tetrachloride	8.081	117	98667	13.821	ug/l	97
39) Methylcyclohexane	9.343	83	124469	13.232	ug/l	92
40) Benzene	8.337	78	316172	13.035	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	36888	13.286	ug/l	97
42) 1,2-Dichloroethane	8.417	62	101554	13.650	ug/l	100
43) Isopropyl Acetate	8.435	43	126460	14.112	ug/l	99
44) Trichloroethene	9.099	130	72960	13.418	ug/l	99
45) 1,2-Dichloropropane	9.374	63	81431	13.485	ug/l	96
46) Dibromomethane	9.465	93	48615	13.997	ug/l	98
47) Bromodichloromethane	9.654	83	109195	13.341	ug/l	97
48) Methyl methacrylate	9.441	41	61323	15.268	ug/l	94
49) 1,4-Dioxane	9.465	88	12598	307.424	ug/l #	78
51) 4-Methyl-2-Pentanone	10.215	43	365431	74.018	ug/l	99
52) Toluene	10.392	92	194771	13.284	ug/l	97
53) t-1,3-Dichloropropene	10.605	75	104364	13.264	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	121826	13.216	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	63710	13.677	ug/l	98
56) Ethyl methacrylate	10.648	69	87860	13.721	ug/l	99
57) 1,3-Dichloropropane	10.934	76	113421	13.626	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.928	63	239553	76.190	ug/l	99
59) 2-Hexanone	10.971	43	266274	75.991	ug/l	98
60) Dibromochloromethane	11.129	129	66075	12.553	ug/l	90
61) 1,2-Dibromoethane	11.233	107	62238	13.978	ug/l	97
64) Tetrachloroethene	10.861	164	58628	13.253	ug/l	98
65) Chlorobenzene	11.654	112	205646	13.089	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.727	131	64761	13.238	ug/l	95
67) Ethyl Benzene	11.727	91	359070	13.376	ug/l	96
68) m/p-Xylenes	11.837	106	270920	26.543	ug/l	95
69) o-Xylene	12.166	106	124313	13.340	ug/l	96
70) Styrene	12.178	104	222977	13.631	ug/l	99
71) Bromoform	12.349	173	38340	14.363	ug/l #	97
73) Isopropylbenzene	12.459	105	329369	13.580	ug/l	98
74) N-amyl acetate	12.270	43	112468	14.211	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.708	83	81527	14.426	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	58763m	13.453	ug/l	
77) Bromobenzene	12.745	156	77309	13.587	ug/l	99
78) n-propylbenzene	12.800	91	418080	13.520	ug/l	99
79) 2-Chlorotoluene	12.891	91	251371	13.625	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	276507	13.406	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	25444	13.815	ug/l	93
82) 4-Chlorotoluene	12.983	91	271231	13.862	ug/l	99
83) tert-Butylbenzene	13.202	119	226252	13.183	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	283643	13.724	ug/l	99
85) sec-Butylbenzene	13.379	105	359341	13.628	ug/l	100
86) p-Isopropyltoluene	13.495	119	297516	13.680	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	156322	13.395	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	154192	13.311	ug/l	94
89) n-Butylbenzene	13.818	91	293003	13.331	ug/l	99
90) Hexachloroethane	14.092	117	54407	13.075	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	138925	13.543	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.476	75	13666	14.095	ug/l	99
93) 1,2,4-Trichlorobenzene	15.129	180	83122	13.311	ug/l	99
94) Hexachlorobutadiene	15.226	225	41248	14.259	ug/l	96
95) Naphthalene	15.360	128	185963	13.301	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	76848	13.523	ug/l	98

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

