

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100125\
 Data File : VN088005.D
 Acq On : 01 Oct 2025 10:54
 Operator : JC\MD
 Sample : VN1001WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/03/2025
 Supervised By :Semsettin Yesilyurt 10/03/2025

Quant Time: Oct 01 11:14:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	208678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	380923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	356637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	188396	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	187460	53.379	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.760%	
35) Dibromofluoromethane	8.147	113	143900	52.030	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.060%	
50) Toluene-d8	10.547	98	495043	50.899	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.800%	
62) 4-Bromofluorobenzene	12.829	95	175619	50.516	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.040%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	49011	20.280	ug/l	97
3) Chloromethane	2.383	50	47594	19.234	ug/l	97
4) Vinyl Chloride	2.536	62	50410	19.968	ug/l	99
5) Bromomethane	2.971	94	36465	23.299	ug/l #	74
6) Chloroethane	3.142	64	34874	21.246	ug/l	95
7) Trichlorofluoromethane	3.506	101	84538	20.567	ug/l	91
8) Diethyl Ether	3.965	74	33541	21.600	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	48877	22.499	ug/l	100
10) Methyl Iodide	4.583	142	40699	20.816	ug/l	93
11) Tert butyl alcohol	5.530	59	49799	98.449	ug/l	99
12) 1,1-Dichloroethene	4.342	96	46661	21.287	ug/l	99
13) Acrolein	4.177	56	56056	86.368	ug/l	98
14) Allyl chloride	5.018	41	70266	19.690	ug/l	98
15) Acrylonitrile	5.712	53	165513	104.314	ug/l	97
16) Acetone	4.418	43	146960	101.706	ug/l	98
17) Carbon Disulfide	4.700	76	134549	19.646	ug/l	96
18) Methyl Acetate	5.018	43	87851	24.294	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	172994	20.203	ug/l	97
20) Methylene Chloride	5.265	84	59468	20.333	ug/l	97
21) trans-1,2-Dichloroethene	5.771	96	51760	19.262	ug/l	96
22) Diisopropyl ether	6.659	45	173721	20.853	ug/l	96
23) Vinyl Acetate	6.594	43	777497	110.844	ug/l	99
24) 1,1-Dichloroethane	6.559	63	103400	21.245	ug/l	98
25) 2-Butanone	7.471	43	227730	103.113	ug/l	100
26) 2,2-Dichloropropane	7.471	77	91423	21.142	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	63589	19.888	ug/l	99
28) Bromochloromethane	7.788	49	51888	19.622	ug/l	95
29) Tetrahydrofuran	7.830	42	142095	100.480	ug/l	99
30) Chloroform	7.947	83	113176	21.267	ug/l	99
31) Cyclohexane	8.235	56	82873	21.044	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	92694	20.614	ug/l	96
36) 1,1-Dichloropropene	8.353	75	70519	21.205	ug/l	99
37) Ethyl Acetate	7.547	43	88179	20.192	ug/l	97
38) Carbon Tetrachloride	8.341	117	81595	21.382	ug/l	99
39) Methylcyclohexane	9.582	83	76325	20.805	ug/l	94
40) Benzene	8.588	78	225591	20.487	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	49240	21.818	ug/l	97
42) 1,2-Dichloroethane	8.653	62	84851	20.649	ug/l	100
43) Isopropyl Acetate	8.671	43	139475	20.290	ug/l	99
44) Trichloroethene	9.329	130	52725	20.046	ug/l	99
45) 1,2-Dichloropropane	9.600	63	61146	22.145	ug/l	92
46) Dibromomethane	9.688	93	45719	20.984	ug/l	95
47) Bromodichloromethane	9.871	83	90115	21.088	ug/l #	94
48) Methyl methacrylate	9.665	41	62166	19.529	ug/l	97
49) 1,4-Dioxane	9.682	88	20069	426.751	ug/l #	92
51) 4-Methyl-2-Pentanone	10.424	43	455371	106.162	ug/l	98
52) Toluene	10.606	92	138269	20.010	ug/l	95
53) t-1,3-Dichloropropene	10.818	75	86367	19.748	ug/l	95
54) cis-1,3-Dichloropropene	10.294	75	92202	20.298	ug/l	98
55) 1,1,2-Trichloroethane	11.000	97	60076	21.383	ug/l	99
56) Ethyl methacrylate	10.853	69	81087	19.974	ug/l	96
57) 1,3-Dichloropropane	11.141	76	98659	21.350	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	247487	129.657	ug/l	99
59) 2-Hexanone	11.176	43	290910	102.569	ug/l	99
60) Dibromochloromethane	11.335	129	67793	20.522	ug/l	100
61) 1,2-Dibromoethane	11.453	107	61089	20.539	ug/l	98
64) Tetrachloroethene	11.082	164	45583	20.982	ug/l	95
65) Chlorobenzene	11.871	112	158092	20.830	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.941	131	56003	20.462	ug/l	97
67) Ethyl Benzene	11.941	91	256903	20.286	ug/l	97
68) m/p-Xylenes	12.053	106	202420	41.793	ug/l	98
69) o-Xylene	12.376	106	91924	19.755	ug/l	99
70) Styrene	12.394	104	158285	19.806	ug/l	99
71) Bromoform	12.553	173	44016	19.823	ug/l #	99
73) Isopropylbenzene	12.676	105	242697	20.785	ug/l	99
74) N-amyl acetate	12.535	43	4991	1.297	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.918	83	91348	21.713	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	75815m	20.415	ug/l	
77) Bromobenzene	12.959	156	63567	20.461	ug/l	98
78) n-propylbenzene	13.017	91	314779	21.562	ug/l	99
79) 2-Chlorotoluene	13.106	91	178480	20.079	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	210500	20.842	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.718	75	25312	18.927	ug/l	97
82) 4-Chlorotoluene	13.200	91	189731	21.183	ug/l	98
83) tert-Butylbenzene	13.417	119	178704	20.905	ug/l	97
84) 1,2,4-Trimethylbenzene	13.465	105	213401	20.600	ug/l	100
85) sec-Butylbenzene	13.594	105	262726	20.962	ug/l	98
86) p-Isopropyltoluene	13.706	119	219762	20.703	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	125568	20.712	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	126263	20.266	ug/l	98
89) n-Butylbenzene	14.035	91	205531	20.488	ug/l	98
90) Hexachloroethane	14.312	117	44873	20.237	ug/l	97
91) 1,2-Dichlorobenzene	14.082	146	119330	20.420	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	18865	19.299	ug/l	94
93) 1,2,4-Trichlorobenzene	15.364	180	65276	18.919	ug/l	99
94) Hexachlorobutadiene	15.476	225	26148	20.590	ug/l	96
95) Naphthalene	15.617	128	211558	19.102	ug/l	98
96) 1,2,3-Trichlorobenzene	15.811	180	66220	19.742	ug/l	98

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

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