

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082225\
 Data File : VN087632.D
 Acq On : 22 Aug 2025 11:55
 Operator : JC\MD
 Sample : VN0822WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/25/2025
 Supervised By : Semsettin Yesilyurt 08/25/2025

Quant Time: Aug 25 01:17:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	250170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	471220	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	424434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	212929	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	225245	43.944	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.880%		
35) Dibromofluoromethane	8.153	113	157447	46.278	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.560%		
50) Toluene-d8	10.547	98	580898	45.619	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.240%		
62) 4-Bromofluorobenzene	12.829	95	209206	46.197	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	71686	20.176	ug/l	98
3) Chloromethane	2.383	50	68848	18.855	ug/l	94
4) Vinyl Chloride	2.536	62	76952	18.176	ug/l	99
5) Bromomethane	2.977	94	41717	19.097	ug/l	94
6) Chloroethane	3.136	64	49737	16.715	ug/l	90
7) Trichlorofluoromethane	3.512	101	109872	17.713	ug/l	97
8) Diethyl Ether	3.965	74	44347	16.416	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	59291	16.893	ug/l	97
10) Methyl Iodide	4.577	142	34942	18.317	ug/l	96
11) Tert butyl alcohol	5.518	59	75176	84.483	ug/l	98
12) 1,1-Dichloroethene	4.336	96	60705	16.831	ug/l	93
13) Acrolein	4.177	56	100775	92.121	ug/l	100
14) Allyl chloride	5.012	41	98055	15.002	ug/l	95
15) Acrylonitrile	5.712	53	201734	80.386	ug/l	98
16) Acetone	4.424	43	195405	70.031	ug/l	100
17) Carbon Disulfide	4.700	76	169525	17.073	ug/l	95
18) Methyl Acetate	5.018	43	96372	16.496	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	220555	16.300	ug/l	97
20) Methylene Chloride	5.265	84	66059	15.512	ug/l	99
21) trans-1,2-Dichloroethene	5.771	96	60312	15.429	ug/l	90
22) Diisopropyl ether	6.659	45	225356	15.977	ug/l	99
23) Vinyl Acetate	6.589	43	1045566	81.478	ug/l	99
24) 1,1-Dichloroethane	6.553	63	123623	15.985	ug/l	98
25) 2-Butanone	7.471	43	288898	78.699	ug/l	95
26) 2,2-Dichloropropane	7.477	77	107569	16.206	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	76841	16.443	ug/l	98
28) Bromochloromethane	7.794	49	68253	18.256	ug/l	98
29) Tetrahydrofuran	7.830	42	185646	78.582	ug/l	99
30) Chloroform	7.947	83	128879	16.327	ug/l	98
31) Cyclohexane	8.241	56	109402	16.969	ug/l	95
32) 1,1,1-Trichloroethane	8.147	97	111893	16.726	ug/l	96
36) 1,1-Dichloropropene	8.353	75	88107	16.881	ug/l	98
37) Ethyl Acetate	7.547	43	113204	15.872	ug/l	98
38) Carbon Tetrachloride	8.341	117	90972	17.653	ug/l	96
39) Methylcyclohexane	9.582	83	103760	18.057	ug/l	95
40) Benzene	8.582	78	267731	16.724	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	60465	16.366	ug/l	97
42) 1,2-Dichloroethane	8.653	62	109454	17.792	ug/l	99
43) Isopropyl Acetate	8.677	43	188428	16.922	ug/l	98
44) Trichloroethene	9.335	130	60383	16.521	ug/l	96
45) 1,2-Dichloropropane	9.606	63	67574	16.014	ug/l	98
46) Dibromomethane	9.688	93	50458	16.804	ug/l	98
47) Bromodichloromethane	9.871	83	102881	16.717	ug/l	94
48) Methyl methacrylate	9.665	41	87134	16.543	ug/l	97
49) 1,4-Dioxane	9.682	88	26619	389.920	ug/l #	100
51) 4-Methyl-2-Pentanone	10.424	43	574459	85.506	ug/l	100
52) Toluene	10.612	92	166125	16.739	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	104990	16.482	ug/l	97
54) cis-1,3-Dichloropropene	10.294	75	110884	16.764	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	65972	17.184	ug/l	95
56) Ethyl methacrylate	10.859	69	102793	16.754	ug/l	96
57) 1,3-Dichloropropane	11.141	76	110788	16.305	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.141	63	284226	85.587	ug/l	99
59) 2-Hexanone	11.182	43	369530	87.030	ug/l	100
60) Dibromochloromethane	11.341	129	71563	16.087	ug/l	100
61) 1,2-Dibromoethane	11.447	107	67301	16.625	ug/l	99
64) Tetrachloroethene	11.082	164	48154	16.353	ug/l	98
65) Chlorobenzene	11.871	112	176830	16.746	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.941	131	59170	16.879	ug/l	97
67) Ethyl Benzene	11.941	91	312969	17.118	ug/l	99
68) m/p-Xylenes	12.053	106	241629	36.037	ug/l	95
69) o-Xylene	12.376	106	113342	17.249	ug/l	97
70) Styrene	12.388	104	190135	17.272	ug/l	98
71) Bromoform	12.559	173	45850	17.054	ug/l #	97
73) Isopropylbenzene	12.670	105	294288	17.104	ug/l	99
74) N-amyl acetate	12.582	43	110619m	16.965	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	100662	16.993	ug/l	96
76) 1,2,3-Trichloropropane	12.970	75	99988m	20.024	ug/l	
77) Bromobenzene	12.959	156	66516	16.396	ug/l	98
78) n-propylbenzene	13.012	91	369811	17.449	ug/l	99
79) 2-Chlorotoluene	13.106	91	217014	17.015	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	250341	17.151	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.718	75	28401	15.058	ug/l	97
82) 4-Chlorotoluene	13.200	91	226186	16.868	ug/l	98
83) tert-Butylbenzene	13.417	119	210396	17.298	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	255928	17.515	ug/l	98
85) sec-Butylbenzene	13.594	105	317980	17.616	ug/l	99
86) p-Isopropyltoluene	13.706	119	259536	17.413	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	133031	16.651	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	137233	16.506	ug/l	99
89) n-Butylbenzene	14.035	91	258044	17.432	ug/l	99
90) Hexachloroethane	14.312	117	48070	16.928	ug/l	98
91) 1,2-Dichlorobenzene	14.088	146	126600	16.703	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	23542	16.729	ug/l	94
93) 1,2,4-Trichlorobenzene	15.364	180	77292	16.982	ug/l	96
94) Hexachlorobutadiene	15.476	225	30047	18.518	ug/l	100
95) Naphthalene	15.617	128	263192	16.326	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	71115	15.983	ug/l	95

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

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