

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082225\
 Data File : VN087631.D
 Acq On : 22 Aug 2025 11:16
 Operator : JC\MD
 Sample : VN0822WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

Quant Time: Aug 25 01:16:38 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	241192	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	479192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	431937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	215397	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.559	65	231405	46.827	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.660%
35) Dibromofluoromethane	8.153	113	160215	46.308	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.620%
50) Toluene-d8	10.547	98	605493	46.759	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.520%
62) 4-Bromofluorobenzene	12.829	95	212626	46.171	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.340%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.142	85	69686	20.343	ug/l	90
3) Chloromethane	2.383	50	67635	19.212	ug/l	100
4) Vinyl Chloride	2.536	62	76748	18.803	ug/l	99
5) Bromomethane	2.983	94	39436	18.724	ug/l	93
6) Chloroethane	3.142	64	49962	17.415	ug/l	95
7) Trichlorofluoromethane	3.506	101	109762	18.354	ug/l	97
8) Diethyl Ether	3.959	74	44652	17.144	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	58647	17.331	ug/l	97
10) Methyl Iodide	4.577	142	33165	18.139	ug/l	94
11) Tert butyl alcohol	5.530	59	80206	93.490	ug/l #	85
12) 1,1-Dichloroethene	4.342	96	61382	17.652	ug/l	83
13) Acrolein	4.177	56	104444	99.029	ug/l	99
14) Allyl chloride	5.012	41	100717	15.983	ug/l	98
15) Acrylonitrile	5.706	53	201460	83.265	ug/l	99
16) Acetone	4.424	43	206663	76.823	ug/l	94
17) Carbon Disulfide	4.700	76	168956	17.649	ug/l	97
18) Methyl Acetate	5.018	43	95802	17.009	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	222926	17.089	ug/l	97
20) Methylene Chloride	5.259	84	69318	16.995	ug/l	94
21) trans-1,2-Dichloroethene	5.777	96	63619	16.881	ug/l	96
22) Diisopropyl ether	6.659	45	234550	17.248	ug/l	99
23) Vinyl Acetate	6.588	43	1076466	87.008	ug/l	98
24) 1,1-Dichloroethane	6.553	63	124374	16.681	ug/l	98
25) 2-Butanone	7.471	43	299672	84.672	ug/l	98
26) 2,2-Dichloropropane	7.471	77	109021	17.036	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	79102	17.557	ug/l	99
28) Bromochloromethane	7.794	49	69245	19.210	ug/l	97
29) Tetrahydrofuran	7.824	42	192753	84.627	ug/l	98
30) Chloroform	7.947	83	132880	17.460	ug/l	93
31) Cyclohexane	8.241	56	114346	18.396	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	112365	17.422	ug/l	96
36) 1,1-Dichloropropene	8.353	75	87041	16.399	ug/l	99
37) Ethyl Acetate	7.547	43	115459	15.919	ug/l	97
38) Carbon Tetrachloride	8.341	117	91391	17.440	ug/l	86
39) Methylcyclohexane	9.582	83	95630	16.365	ug/l	96
40) Benzene	8.588	78	276595	16.990	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	65670	17.479	ug/l	98
42) 1,2-Dichloroethane	8.653	62	106027	16.948	ug/l	98
43) Isopropyl Acetate	8.677	43	191154	16.881	ug/l	99
44) Trichloroethene	9.335	130	62974	16.943	ug/l	99
45) 1,2-Dichloropropane	9.600	63	69939	16.299	ug/l	100
46) Dibromomethane	9.688	93	51222	16.774	ug/l	96
47) Bromodichloromethane	9.871	83	106323	16.989	ug/l	95
48) Methyl methacrylate	9.665	41	89743	16.755	ug/l	99
49) 1,4-Dioxane	9.688	88	25980	374.229	ug/l #	98
51) 4-Methyl-2-Pentanone	10.429	43	584152	85.502	ug/l	99
52) Toluene	10.612	92	171056	16.949	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	112073	17.301	ug/l	95
54) cis-1,3-Dichloropropene	10.294	75	116075	17.257	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	65157	16.689	ug/l	95
56) Ethyl methacrylate	10.859	69	104316	16.719	ug/l	97
57) 1,3-Dichloropropane	11.147	76	117218	16.965	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	304662	90.215	ug/l	99
59) 2-Hexanone	11.176	43	379051	87.788	ug/l	99
60) Dibromochloromethane	11.335	129	74801	16.535	ug/l	97
61) 1,2-Dibromoethane	11.447	107	68959	16.751	ug/l	98
64) Tetrachloroethene	11.082	164	48922	16.325	ug/l	92
65) Chlorobenzene	11.871	112	185206	17.235	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.941	131	62327	17.471	ug/l	99
67) Ethyl Benzene	11.941	91	321564	17.283	ug/l	97
68) m/p-Xylenes	12.047	106	239600	35.114	ug/l	99
69) o-Xylene	12.376	106	114234	17.083	ug/l	98
70) Styrene	12.388	104	195650	17.464	ug/l	98
71) Bromoform	12.559	173	46695	17.067	ug/l #	97
73) Isopropylbenzene	12.676	105	304422	17.490	ug/l	98
74) N-amyl acetate	12.594	43	102214m	15.496	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	104436	17.428	ug/l	97
76) 1,2,3-Trichloropropane	12.970	75	101760m	20.146	ug/l	
77) Bromobenzene	12.959	156	68703	16.741	ug/l	95
78) n-propylbenzene	13.012	91	376049	17.540	ug/l	100
79) 2-Chlorotoluene	13.106	91	225373	17.468	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	256037	17.340	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.717	75	29445	15.433	ug/l	90
82) 4-Chlorotoluene	13.200	91	237483	17.507	ug/l	100
83) tert-Butylbenzene	13.417	119	213593	17.359	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	261718	17.706	ug/l	98
85) sec-Butylbenzene	13.594	105	321980	17.634	ug/l	99
86) p-Isopropyltoluene	13.706	119	260272	17.262	ug/l	100
87) 1,3-Dichlorobenzene	13.712	146	138401	17.125	ug/l	97
88) 1,4-Dichlorobenzene	13.788	146	142344	16.925	ug/l	99
89) n-Butylbenzene	14.035	91	253824	16.950	ug/l	99
90) Hexachloroethane	14.306	117	49631	17.278	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	130957	17.080	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	23900	16.789	ug/l	97
93) 1,2,4-Trichlorobenzene	15.370	180	79056	17.171	ug/l	99
94) Hexachlorobutadiene	15.476	225	30115	18.347	ug/l	93
95) Naphthalene	15.617	128	276337	16.945	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	72121	16.023	ug/l	95

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

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