

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
 Data File : VN086454.D
 Acq On : 02 May 2025 11:26
 Operator : JC\MD
 Sample : VN0502WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBS01

Quant Time: May 02 23:14:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/05/2025
 Supervised By : Semsettin Yesilyurt 05/05/2025

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

Internal Standards						
1) Pentafluorobenzene	8.223	168	205101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	372276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	334682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	155592	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	153988	51.776	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.560%	
35) Dibromofluoromethane	8.165	113	99383	57.521	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 115.040%	
50) Toluene-d8	10.565	98	484267	52.443	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.880%	
62) 4-Bromofluorobenzene	12.847	95	173581	51.537	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.080%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	47083	19.365	ug/l	97
3) Chloromethane	2.359	50	60996	17.262	ug/l	99
4) Vinyl Chloride	2.518	62	62080	18.411	ug/l	99
5) Bromomethane	2.959	94	34255	22.585	ug/l	97
6) Chloroethane	3.124	64	40498	17.945	ug/l	100
7) Trichlorofluoromethane	3.500	101	71398	19.115	ug/l	95
8) Diethyl Ether	3.959	74	28673	17.584	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	45539	20.154	ug/l	98
10) Methyl Iodide	4.588	142	54530	21.951	ug/l	98
11) Tert butyl alcohol	5.506	59	44886	82.715	ug/l	97
12) 1,1-Dichloroethene	4.341	96	44754	18.539	ug/l	96
13) Acrolein	4.183	56	19530	66.082	ug/l	96
14) Allyl chloride	5.024	41	74566	17.376	ug/l	99
15) Acrylonitrile	5.712	53	115876	86.380	ug/l	100
16) Acetone	4.424	43	93733	87.444	ug/l	99
17) Carbon Disulfide	4.712	76	123136	17.036	ug/l	99
18) Methyl Acetate	5.024	43	53174	14.894	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	161132	18.158	ug/l	97
20) Methylene Chloride	5.277	84	51140	18.600	ug/l	96
21) trans-1,2-Dichloroethene	5.788	96	47446	18.799	ug/l	92
22) Diisopropyl ether	6.665	45	161515	17.302	ug/l	95
23) Vinyl Acetate	6.600	43	590517	90.489	ug/l	97
24) 1,1-Dichloroethane	6.565	63	90149	18.302	ug/l	97
25) 2-Butanone	7.482	43	155065	83.762	ug/l	98
26) 2,2-Dichloropropane	7.488	77	86618	19.640	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	60271	19.241	ug/l	96
28) Bromochloromethane	7.812	49	43134	20.653	ug/l	94
29) Tetrahydrofuran	7.835	42	100403	81.105	ug/l	95
30) Chloroform	7.965	83	93940	19.415	ug/l	98
31) Cyclohexane	8.253	56	86731	17.994	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	82484	19.927	ug/l	96
36) 1,1-Dichloropropene	8.371	75	67556	19.576	ug/l	99
37) Ethyl Acetate	7.553	43	62473	17.195	ug/l	99
38) Carbon Tetrachloride	8.359	117	67275	20.471	ug/l	98
39) Methylcyclohexane	9.594	83	80452	19.614	ug/l	96
40) Benzene	8.606	78	216239	19.557	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	36564	17.364	ug/l	97
42) 1,2-Dichloroethane	8.671	62	70604	20.024	ug/l	99
43) Isopropyl Acetate	8.682	43	124400	17.614	ug/l	100
44) Trichloroethene	9.347	130	53436	20.390	ug/l	96
45) 1,2-Dichloropropane	9.618	63	52555	19.418	ug/l	97
46) Dibromomethane	9.706	93	35972	20.860	ug/l	96
47) Bromodichloromethane	9.882	83	75521	20.277	ug/l	96
48) Methyl methacrylate	9.676	41	55312	17.336	ug/l	97
49) 1,4-Dioxane	9.694	88	19052	351.057	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	331039	88.980	ug/l	97
52) Toluene	10.629	92	138339	20.052	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	82248	19.783	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	87598	19.183	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	50381	20.297	ug/l	99
56) Ethyl methacrylate	10.870	69	84956	18.620	ug/l	96
57) 1,3-Dichloropropane	11.159	76	87846	19.947	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	118312	54.632	ug/l	97
59) 2-Hexanone	11.194	43	242948	88.040	ug/l	99
60) Dibromochloromethane	11.353	129	54306	19.924	ug/l	98
61) 1,2-Dibromoethane	11.464	107	50570	20.191	ug/l	98
64) Tetrachloroethene	11.106	164	52924	20.558	ug/l	97
65) Chlorobenzene	11.888	112	149414	20.005	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	50746	20.595	ug/l	99
67) Ethyl Benzene	11.959	91	267796	19.869	ug/l	100
68) m/p-Xylenes	12.070	106	204005	40.396	ug/l	97
69) o-Xylene	12.394	106	99555	19.934	ug/l	98
70) Styrene	12.406	104	164379	19.753	ug/l	99
71) Bromoform	12.576	173	36657	19.760	ug/l #	98
73) Isopropylbenzene	12.694	105	246083	19.334	ug/l	100
74) N-amyl acetate	12.488	43	103766	16.377	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	69090	18.879	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	67376m	18.350	ug/l	
77) Bromobenzene	12.976	156	57133	20.259	ug/l	94
78) n-propylbenzene	13.035	91	291710	19.450	ug/l	100
79) 2-Chlorotoluene	13.123	91	179302	19.105	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	204033	19.586	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	30259	19.792	ug/l	90
82) 4-Chlorotoluene	13.217	91	180626	19.375	ug/l	98
83) tert-Butylbenzene	13.435	119	173396	19.210	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	208033	19.619	ug/l	100
85) sec-Butylbenzene	13.611	105	249128	19.898	ug/l	99
86) p-Isopropyltoluene	13.723	119	206496	20.010	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	107143	20.210	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	108366	20.294	ug/l	99
89) n-Butylbenzene	14.053	91	180771	19.762	ug/l	98
90) Hexachloroethane	14.329	117	33053	19.042	ug/l	99
91) 1,2-Dichlorobenzene	14.105	146	104174	20.268	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13218	17.913	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	50233	20.410	ug/l	99
94) Hexachlorobutadiene	15.499	225	19866	21.383	ug/l	97
95) Naphthalene	15.635	128	161235	18.481	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	46532	19.970	ug/l	99

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

