

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050225\
 Data File : VN086456.D
 Acq On : 02 May 2025 12:14
 Operator : JC\MD
 Sample : VN0502WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBSD01

Manual Integrations
 APPROVED

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

Quant Time: May 02 23:14:59 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

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	145586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	268054	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	242177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108773	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118998	56.367	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.740%			
35) Dibromofluoromethane	8.159	113	74901	60.206	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 120.420%			
50) Toluene-d8	10.565	98	355221	53.425	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.860%			
62) 4-Bromofluorobenzene	12.847	95	126083	51.990	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.980%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	31952	18.514	ug/l	97
3) Chloromethane	2.359	50	43467	17.330	ug/l	100
4) Vinyl Chloride	2.512	62	42804	17.883	ug/l	99
5) Bromomethane	2.954	94	25613	23.790	ug/l	98
6) Chloroethane	3.118	64	29664	18.518	ug/l	98
7) Trichlorofluoromethane	3.501	101	52060	19.636	ug/l	98
8) Diethyl Ether	3.959	74	21816	18.849	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	31875	19.874	ug/l	98
10) Methyl Iodide	4.583	142	39960	22.662	ug/l	98
11) Tert butyl alcohol	5.512	59	40924	106.243	ug/l	99
12) 1,1-Dichloroethene	4.342	96	30861	18.010	ug/l	94
13) Acrolein	4.183	56	16822	83.614	ug/l	98
14) Allyl chloride	5.024	41	48708	15.990	ug/l	94
15) Acrylonitrile	5.718	53	95093	99.865	ug/l	99
16) Acetone	4.424	43	78830	104.683	ug/l	99
17) Carbon Disulfide	4.712	76	85785	16.720	ug/l	100
18) Methyl Acetate	5.030	43	45750	18.053	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	121226	19.246	ug/l	99
20) Methylene Chloride	5.277	84	37768	19.351	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	34740	19.392	ug/l	95
22) Diisopropyl ether	6.671	45	119656	18.057	ug/l	94
23) Vinyl Acetate	6.600	43	454755	98.172	ug/l	97
24) 1,1-Dichloroethane	6.565	63	65222	18.654	ug/l	99
25) 2-Butanone	7.483	43	126341	96.145	ug/l	96
26) 2,2-Dichloropropane	7.489	77	58483	18.682	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	42882	19.286	ug/l	97
28) Bromochloromethane	7.812	49	29471	19.880	ug/l	90
29) Tetrahydrofuran	7.836	42	82670	94.079	ug/l	96
30) Chloroform	7.965	83	68649	19.988	ug/l	99
31) Cyclohexane	8.253	56	60698	17.741	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	57708	19.641	ug/l	98
36) 1,1-Dichloropropene	8.371	75	47184	18.989	ug/l	98
37) Ethyl Acetate	7.559	43	52081	19.908	ug/l	99
38) Carbon Tetrachloride	8.359	117	48099	20.326	ug/l	97
39) Methylcyclohexane	9.594	83	53440	18.094	ug/l	99
40) Benzene	8.606	78	155524	19.535	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	27303	18.008	ug/l	92
42) 1,2-Dichloroethane	8.665	62	52848	20.816	ug/l	100
43) Isopropyl Acetate	8.683	43	102439	20.449	ug/l	98
44) Trichloroethene	9.347	130	37690	19.974	ug/l	92
45) 1,2-Dichloropropane	9.618	63	38031	19.515	ug/l	93
46) Dibromomethane	9.706	93	27118	21.840	ug/l	97
47) Bromodichloromethane	9.888	83	55558	20.717	ug/l	99
48) Methyl methacrylate	9.677	41	42182	18.361	ug/l	95
49) 1,4-Dioxane	9.694	88	17440	446.300	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	270141	100.843	ug/l	99
52) Toluene	10.629	92	97386	19.604	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	60763	20.298	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	65001	19.769	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	38097	21.315	ug/l	96
56) Ethyl methacrylate	10.871	69	63046	19.190	ug/l	97
57) 1,3-Dichloropropane	11.159	76	64291	20.274	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	133965	85.912	ug/l	97
59) 2-Hexanone	11.194	43	201227	101.273	ug/l	100
60) Dibromochloromethane	11.353	129	40966	20.873	ug/l	100
61) 1,2-Dibromoethane	11.465	107	38247	21.208	ug/l	99
64) Tetrachloroethene	11.100	164	37604	20.186	ug/l	97
65) Chlorobenzene	11.888	112	107031	19.804	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	36396	20.413	ug/l	98
67) Ethyl Benzene	11.959	91	186400	19.113	ug/l	98
68) m/p-Xylenes	12.071	106	143762	39.341	ug/l	95
69) o-Xylene	12.394	106	71355	19.745	ug/l	97
70) Styrene	12.412	104	117039	19.437	ug/l	99
71) Bromoform	12.576	173	27536	20.513	ug/l #	97
73) Isopropylbenzene	12.694	105	170656	19.179	ug/l	100
74) N-amyl acetate	12.488	43	80233	18.113	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	53786	21.023	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	44872m	17.481	ug/l	
77) Bromobenzene	12.976	156	42151	21.380	ug/l	93
78) n-propylbenzene	13.029	91	197732	18.859	ug/l	100
79) 2-Chlorotoluene	13.123	91	128038	19.515	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	141678	19.454	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	21291	19.920	ug/l	95
82) 4-Chlorotoluene	13.218	91	126883	19.469	ug/l	98
83) tert-Butylbenzene	13.435	119	118858	18.836	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	141655	19.109	ug/l	100
85) sec-Butylbenzene	13.612	105	164745	18.822	ug/l	99
86) p-Isopropyltoluene	13.723	119	136925	18.979	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	75176	20.284	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	76961	20.617	ug/l	98
89) n-Butylbenzene	14.053	91	115942	18.131	ug/l	99
90) Hexachloroethane	14.329	117	22465	18.512	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	74951	20.859	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10823	20.981	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	34482	20.041	ug/l	99
94) Hexachlorobutadiene	15.500	225	12138	18.688	ug/l	96
95) Naphthalene	15.635	128	120282	19.721	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	33027	20.275	ug/l	97

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

