

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052825\
 Data File : VN086793.D
 Acq On : 28 May 2025 12:26
 Operator : JC\MD
 Sample : VN0528WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/29/2025
 Supervised By : Mahesh Dadoda 05/29/2025

Quant Time: May 29 03:56:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	204156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	364096	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	323600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	153229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129489	45.901	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.800%		
35) Dibromofluoromethane	8.165	113	103196	47.592	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.180%		
50) Toluene-d8	10.565	98	449597	50.035	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.060%		
62) 4-Bromofluorobenzene	12.847	95	161605	50.934	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.860%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	46190	20.950	ug/l	98
3) Chloromethane	2.359	50	60937	18.273	ug/l	99
4) Vinyl Chloride	2.512	62	58997	19.699	ug/l	95
5) Bromomethane	2.959	94	30858	17.873	ug/l	90
6) Chloroethane	3.124	64	35783	18.239	ug/l	97
7) Trichlorofluoromethane	3.500	101	70462	19.687	ug/l	93
8) Diethyl Ether	3.959	74	29622	20.035	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	44904	20.957	ug/l	98
10) Methyl Iodide	4.583	142	50034	18.773	ug/l	96
11) Tert butyl alcohol	5.518	59	39687	77.244	ug/l	99
12) 1,1-Dichloroethene	4.336	96	44820	19.683	ug/l	93
13) Acrolein	4.177	56	22848	41.599	ug/l	99
14) Allyl chloride	5.024	41	70423	20.433	ug/l	89
15) Acrylonitrile	5.712	53	115821	91.046	ug/l	99
16) Acetone	4.424	43	90737	85.985	ug/l	96
17) Carbon Disulfide	4.718	76	117586	18.651	ug/l	99
18) Methyl Acetate	5.024	43	53575	18.139	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	152344	19.648	ug/l	100
20) Methylene Chloride	5.271	84	52610	18.892	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	46548	19.334	ug/l	98
22) Diisopropyl ether	6.671	45	149614	19.241	ug/l	96
23) Vinyl Acetate	6.600	43	331188	56.672	ug/l	98
24) 1,1-Dichloroethane	6.565	63	87946	19.264	ug/l	98
25) 2-Butanone	7.483	43	141065	86.507	ug/l	94
26) 2,2-Dichloropropane	7.488	77	77748	20.637	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	57521	19.465	ug/l	99
28) Bromochloromethane	7.812	49	42427	20.455	ug/l	97
29) Tetrahydrofuran	7.841	42	93776	88.105	ug/l	99
30) Chloroform	7.965	83	88305	19.325	ug/l	97
31) Cyclohexane	8.253	56	79015	18.662	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	75362	19.562	ug/l	98
36) 1,1-Dichloropropene	8.365	75	63255	19.777	ug/l	99
37) Ethyl Acetate	7.559	43	57061	17.661	ug/l	98
38) Carbon Tetrachloride	8.359	117	63473	20.142	ug/l	99
39) Methylcyclohexane	9.594	83	71392	20.624	ug/l	96
40) Benzene	8.606	78	208430	19.977	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	32640	18.711	ug/l	97
42) 1,2-Dichloroethane	8.665	62	61258	18.845	ug/l	96
43) Isopropyl Acetate	8.682	43	100853	15.571	ug/l	96
44) Trichloroethene	9.347	130	62089	24.672	ug/l	97
45) 1,2-Dichloropropane	9.618	63	51025	20.586	ug/l	96
46) Dibromomethane	9.706	93	33854	20.242	ug/l	97
47) Bromodichloromethane	9.882	83	68455	19.865	ug/l	98
48) Methyl methacrylate	9.676	41	44875	17.880	ug/l	96
49) 1,4-Dioxane	9.694	88	17965	338.042	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	294416	90.139	ug/l	98
52) Toluene	10.623	92	130593	20.138	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	73407	20.120	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	82022	20.594	ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	48835	20.188	ug/l	97
56) Ethyl methacrylate	10.871	69	74883	19.280	ug/l	98
57) 1,3-Dichloropropane	11.159	76	82649	19.832	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	181903	104.791	ug/l	99
59) 2-Hexanone	11.194	43	210801	88.379	ug/l	97
60) Dibromochloromethane	11.353	129	51928	20.483	ug/l	98
61) 1,2-Dibromoethane	11.465	107	47347	19.477	ug/l	98
64) Tetrachloroethene	11.100	164	71526	28.853	ug/l	98
65) Chlorobenzene	11.888	112	143649	20.244	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	47200	20.604	ug/l	98
67) Ethyl Benzene	11.959	91	239488	19.704	ug/l	99
68) m/p-Xylenes	12.070	106	187936	40.824	ug/l	99
69) o-Xylene	12.394	106	92537	20.219	ug/l	99
70) Styrene	12.406	104	153105	20.433	ug/l	99
71) Bromoform	12.576	173	32956	20.229	ug/l #	100
73) Isopropylbenzene	12.694	105	220952	18.670	ug/l	99
74) N-amyl acetate	12.488	43	78189	15.813	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	45418	12.492	ug/l	97
76) 1,2,3-Trichloropropane	12.988	75	60286m	17.396	ug/l	
77) Bromobenzene	12.976	156	53779	18.065	ug/l	100
78) n-propylbenzene	13.035	91	259640	19.117	ug/l	100
79) 2-Chlorotoluene	13.123	91	166805	18.889	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	182317	19.229	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.729	75	25780	18.774	ug/l	93
82) 4-Chlorotoluene	13.217	91	166746	19.059	ug/l	99
83) tert-Butylbenzene	13.435	119	156609	18.940	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	182942	19.376	ug/l	98
85) sec-Butylbenzene	13.612	105	216135	19.494	ug/l	100
86) p-Isopropyltoluene	13.723	119	182774	20.112	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	101596	19.708	ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	101037	19.782	ug/l	99
89) n-Butylbenzene	14.053	91	151108	20.057	ug/l	99
90) Hexachloroethane	14.329	117	28763	19.075	ug/l	98
91) 1,2-Dichlorobenzene	14.100	146	97502	19.885	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10587	17.577	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	41769	20.182	ug/l	97
94) Hexachlorobutadiene	15.500	225	17622	20.522	ug/l	98
95) Naphthalene	15.635	128	131609	18.314	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	40231	19.849	ug/l	98

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

