

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052825\
 Data File : VN086794.D
 Acq On : 28 May 2025 12:59
 Operator : JC\MD
 Sample : VN0528WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528WBSD01

Manual Integrations
 APPROVED

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

Quant Time: May 29 03:57:19 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	8.224	168	194862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	348503	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	308495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	143771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	126825	47.101	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.200%		
35) Dibromofluoromethane	8.165	113	100665	48.502	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.000%		
50) Toluene-d8	10.565	98	423757	49.269	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.540%		
62) 4-Bromofluorobenzene	12.847	95	152302	50.150	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.300%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	42374	20.136	ug/l	100
3) Chloromethane	2.359	50	58433	18.358	ug/l	100
4) Vinyl Chloride	2.512	62	53403	18.682	ug/l	96
5) Bromomethane	2.959	94	29108	17.664	ug/l	91
6) Chloroethane	3.124	64	33684	17.988	ug/l	96
7) Trichlorofluoromethane	3.500	101	66161	19.367	ug/l	95
8) Diethyl Ether	3.959	74	29762	21.090	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	42154	20.612	ug/l	98
10) Methyl Iodide	4.589	142	47430	18.644	ug/l	98
11) Tert butyl alcohol	5.518	59	38659	78.832	ug/l	100
12) 1,1-Dichloroethene	4.342	96	41919	19.287	ug/l	93
13) Acrolein	4.177	56	22371	42.673	ug/l	99
14) Allyl chloride	5.024	41	63421	19.279	ug/l	93
15) Acrylonitrile	5.718	53	113557	93.523	ug/l	99
16) Acetone	4.424	43	81362	80.778	ug/l	96
17) Carbon Disulfide	4.706	76	113555	18.871	ug/l	99
18) Methyl Acetate	5.024	43	51505	18.270	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	152012	20.541	ug/l	99
20) Methylene Chloride	5.277	84	49602	18.662	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	43377	18.877	ug/l	96
22) Diisopropyl ether	6.671	45	148259	19.976	ug/l	96
23) Vinyl Acetate	6.600	43	302642	54.257	ug/l	99
24) 1,1-Dichloroethane	6.565	63	83900	19.255	ug/l	96
25) 2-Butanone	7.482	43	135762	87.226	ug/l	97
26) 2,2-Dichloropropane	7.488	77	71888	19.991	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	54433	19.298	ug/l	98
28) Bromochloromethane	7.812	49	41465	20.945	ug/l	96
29) Tetrahydrofuran	7.835	42	93372	91.909	ug/l	100
30) Chloroform	7.959	83	84871	19.460	ug/l	98
31) Cyclohexane	8.253	56	74732	18.492	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	72450	19.703	ug/l	95
36) 1,1-Dichloropropene	8.371	75	60335	19.708	ug/l	99
37) Ethyl Acetate	7.559	43	56576	18.295	ug/l	99
38) Carbon Tetrachloride	8.359	117	59224	19.634	ug/l	97
39) Methylcyclohexane	9.600	83	66242	19.992	ug/l	97
40) Benzene	8.600	78	200576	20.084	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	30911	18.513	ug/l	97
42) 1,2-Dichloroethane	8.671	62	60848	19.557	ug/l	97
43) Isopropyl Acetate	8.682	43	99169	15.996	ug/l	96
44) Trichloroethene	9.347	130	60422	25.084	ug/l	99
45) 1,2-Dichloropropane	9.618	63	48050	20.253	ug/l	100
46) Dibromomethane	9.706	93	32223	20.129	ug/l	99
47) Bromodichloromethane	9.888	83	67859	20.573	ug/l	99
48) Methyl methacrylate	9.676	41	44555	18.547	ug/l	96
49) 1,4-Dioxane	9.694	88	17267	339.446	ug/l #	83
51) 4-Methyl-2-Pentanone	10.441	43	286942	91.782	ug/l	98
52) Toluene	10.629	92	123421	19.884	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	71685	20.527	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	79236	20.785	ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	46775	20.201	ug/l	97
56) Ethyl methacrylate	10.871	69	73804	19.852	ug/l	97
57) 1,3-Dichloropropane	11.159	76	81354	20.395	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	178975	107.718	ug/l	100
59) 2-Hexanone	11.194	43	204642	89.636	ug/l	98
60) Dibromochloromethane	11.359	129	50354	20.751	ug/l	100
61) 1,2-Dibromoethane	11.465	107	46293	19.896	ug/l	98
64) Tetrachloroethene	11.100	164	68926	29.166	ug/l	99
65) Chlorobenzene	11.888	112	135972	20.100	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	45565	20.865	ug/l	99
67) Ethyl Benzene	11.959	91	230218	19.869	ug/l	100
68) m/p-Xylenes	12.070	106	180050	41.026	ug/l	96
69) o-Xylene	12.394	106	87182	19.981	ug/l	98
70) Styrene	12.412	104	144400	20.215	ug/l	99
71) Bromoform	12.576	173	31968	20.583	ug/l #	98
73) Isopropylbenzene	12.694	105	210490	18.956	ug/l	100
74) N-amyl acetate	12.488	43	75264	16.223	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	42124	12.348	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	60498m	18.606	ug/l	
77) Bromobenzene	12.976	156	52963	18.961	ug/l	98
78) n-propylbenzene	13.035	91	243543	19.112	ug/l	99
79) 2-Chlorotoluene	13.123	91	158072	19.078	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	172842	19.428	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	25120	19.497	ug/l	91
82) 4-Chlorotoluene	13.217	91	158789	19.344	ug/l	98
83) tert-Butylbenzene	13.435	119	147830	19.054	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	174253	19.669	ug/l	99
85) sec-Butylbenzene	13.612	105	204153	19.625	ug/l	99
86) p-Isopropyltoluene	13.723	119	171653	20.130	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	96524	19.956	ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	100157	20.900	ug/l	98
89) n-Butylbenzene	14.053	91	143532	20.304	ug/l	98
90) Hexachloroethane	14.329	117	28065	19.837	ug/l	99
91) 1,2-Dichlorobenzene	14.100	146	94632	20.570	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10606	18.767	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	42138	21.699	ug/l	97
94) Hexachlorobutadiene	15.500	225	17075	21.193	ug/l	99
95) Naphthalene	15.635	128	134560	19.956	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	40729	21.417	ug/l	99

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

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