

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086671.D
 Acq On : 16 May 2025 17:19
 Operator : JC\MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Quant Time: May 17 00:13:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:09:38 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/19/2025
 Supervised By : Mahesh Dadoda 05/19/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	190888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	347826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	310401	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	25122	9.141	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	18.280%#		
35) Dibromofluoromethane	8.159	113	20087	11.605	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	23.220%#		
50) Toluene-d8	10.565	98	80603	9.343	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	18.680%#		
62) 4-Bromofluorobenzene	12.847	95	28023	8.941	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	17.880%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	24398	10.757	ug/l	99
3) Chloromethane	2.359	50	32457	9.817	ug/l	97
4) Vinyl Chloride	2.512	62	29779	9.561	ug/l	99
5) Bromomethane	2.965	94	16825	11.623	ug/l	98
6) Chloroethane	3.118	64	19426	9.346	ug/l	92
7) Trichlorofluoromethane	3.500	101	34059	9.768	ug/l	92
8) Diethyl Ether	3.965	74	13912	9.221	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	20760	9.864	ug/l	97
10) Methyl Iodide	4.583	142	25084	10.666	ug/l	98
11) Tert butyl alcohol	5.524	59	24828	49.332	ug/l	96
12) 1,1-Dichloroethene	4.342	96	21501	9.579	ug/l	98
13) Acrolein	4.177	56	25323	73.840	ug/l	98
14) Allyl chloride	5.024	41	34751	8.848	ug/l	94
15) Acrylonitrile	5.724	53	60987	48.997	ug/l	98
16) Acetone	4.430	43	49424	44.862	ug/l	97
17) Carbon Disulfide	4.706	76	58965	8.778	ug/l	99
18) Methyl Acetate	5.018	43	26047	8.021	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	73019	8.908	ug/l	98
20) Methylene Chloride	5.283	84	25575	9.965	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	22422	9.539	ug/l	93
22) Diisopropyl ether	6.671	45	73555	8.584	ug/l	97
23) Vinyl Acetate	6.600	43	273527m	45.155	ug/l	
24) 1,1-Dichloroethane	6.565	63	42997	9.421	ug/l	98
25) 2-Butanone	7.482	43	75976	44.487	ug/l	100
26) 2,2-Dichloropropane	7.488	77	35543	8.785	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	27508	9.439	ug/l	100
28) Bromochloromethane	7.812	49	19798	10.145	ug/l	99
29) Tetrahydrofuran	7.841	42	50074	43.856	ug/l	100
30) Chloroform	7.959	83	42323	9.413	ug/l	96
31) Cyclohexane	8.259	56	40462	9.148	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	36234	9.412	ug/l	94
36) 1,1-Dichloropropene	8.371	75	30748	9.561	ug/l	99
37) Ethyl Acetate	7.559	43	30656	9.064	ug/l	99
38) Carbon Tetrachloride	8.359	117	29903	9.712	ug/l	98
39) Methylcyclohexane	9.600	83	32439	8.573	ug/l	98
40) Benzene	8.606	78	100693	9.755	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	17107	8.821	ug/l	95
42) 1,2-Dichloroethane	8.665	62	31399	9.553	ug/l	100
43) Isopropyl Acetate	8.688	43	58427	7.234	ug/l	96
44) Trichloroethene	9.353	130	24877	10.137	ug/l	93
45) 1,2-Dichloropropane	9.618	63	23844	9.487	ug/l	94
46) Dibromomethane	9.706	93	16556	10.271	ug/l	98
47) Bromodichloromethane	9.888	83	32635	9.391	ug/l	98
48) Methyl methacrylate	9.676	41	23538	8.034	ug/l	96
49) 1,4-Dioxane	9.694	88	10578	204.120	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	157047	45.680	ug/l	100
52) Toluene	10.629	92	61995	9.627	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	34038	8.850	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	38382	9.072	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	22750	9.795	ug/l	97
56) Ethyl methacrylate	10.871	69	36596	8.636	ug/l	97
57) 1,3-Dichloropropane	11.159	76	39702	9.655	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	83758	42.087	ug/l	99
59) 2-Hexanone	11.194	43	115102	45.097	ug/l	98
60) Dibromochloromethane	11.359	129	24137	9.497	ug/l	98
61) 1,2-Dibromoethane	11.465	107	23669	10.068	ug/l	100
64) Tetrachloroethene	11.100	164	24331	10.197	ug/l	97
65) Chlorobenzene	11.888	112	68845	9.924	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	22204	9.708	ug/l	99
67) Ethyl Benzene	11.959	91	116022	9.322	ug/l	98
68) m/p-Xylenes	12.070	106	89159	19.076	ug/l	98
69) o-Xylene	12.394	106	43625	9.401	ug/l	96
70) Styrene	12.406	104	70053	9.099	ug/l	98
71) Bromoform	12.576	173	15340	8.916	ug/l #	96
73) Isopropylbenzene	12.694	105	103176	9.616	ug/l	100
74) N-amyl acetate	12.488	43	43684	8.299	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	33161	10.640	ug/l	96
76) 1,2,3-Trichloropropane	12.988	75	31781m	10.213	ug/l	
77) Bromobenzene	12.976	156	25936	10.785	ug/l	99
78) n-propylbenzene	13.035	91	115866	9.188	ug/l	99
79) 2-Chlorotoluene	13.123	91	77792	9.808	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	83733	9.534	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.729	75	11161	8.635	ug/l	96
82) 4-Chlorotoluene	13.217	91	77247	9.839	ug/l	98
83) tert-Butylbenzene	13.435	119	73503	9.647	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	83086	9.310	ug/l	98
85) sec-Butylbenzene	13.611	105	99120	9.441	ug/l	97
86) p-Isopropyltoluene	13.723	119	78078	9.023	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	45121	10.027	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	44799	9.907	ug/l	98
89) n-Butylbenzene	14.053	91	63385	8.345	ug/l	99
90) Hexachloroethane	14.329	117	13004	8.934	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	43237	9.912	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5136	8.321	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	17399	8.463	ug/l	99
94) Hexachlorobutadiene	15.494	225	6916	8.850	ug/l	97
95) Naphthalene	15.641	128	58965	8.080	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	17539	8.970	ug/l	99

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

