

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
 Data File : VN086034.D
 Acq On : 20 Mar 2025 19:09
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/21/2025
 Supervised By : Mahesh Dadoda 03/21/2025

Quant Time: Mar 21 01:25:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	192543	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	306301	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	283937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	151272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120985	45.887	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.780%		
35) Dibromofluoromethane	8.165	113	101545	47.497	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.000%		
50) Toluene-d8	10.565	98	384968	49.614	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.220%		
62) 4-Bromofluorobenzene	12.847	95	141756	51.228	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.460%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	119523	46.855	ug/l	99
3) Chloromethane	2.359	50	101462	45.371	ug/l	99
4) Vinyl Chloride	2.512	62	111198	48.632	ug/l	100
5) Bromomethane	2.953	94	67573	43.385	ug/l	94
6) Chloroethane	3.118	64	63709	44.167	ug/l	94
7) Trichlorofluoromethane	3.494	101	185397	45.105	ug/l	97
8) Diethyl Ether	3.959	74	60241	47.874	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	102426	46.886	ug/l	98
10) Methyl Iodide	4.589	142	138979	48.825	ug/l	92
11) Tert butyl alcohol	5.512	59	69672	186.642	ug/l	99
12) 1,1-Dichloroethene	4.341	96	97214	49.282	ug/l	95
13) Acrolein	4.177	56	79917	200.723	ug/l	96
14) Allyl chloride	5.024	41	118188	48.026	ug/l	97
15) Acrylonitrile	5.718	53	222717	225.912	ug/l	99
16) Acetone	4.424	43	156394	194.158	ug/l	99
17) Carbon Disulfide	4.712	76	277832	42.827	ug/l	99
18) Methyl Acetate	5.024	43	86601	43.454	ug/l	100
19) Methyl tert-butyl Ether	5.788	73	314294	48.623	ug/l	100
20) Methylene Chloride	5.271	84	109806	46.599	ug/l	95
21) trans-1,2-Dichloroethene	5.777	96	102198	47.407	ug/l	96
22) Diisopropyl ether	6.671	45	271131	51.701	ug/l	97
23) Vinyl Acetate	6.600	43	999800	251.495	ug/l	97
24) 1,1-Dichloroethane	6.565	63	181224	46.994	ug/l	99
25) 2-Butanone	7.477	43	247178	212.666	ug/l	98
26) 2,2-Dichloropropane	7.488	77	164838	44.399	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	119482	48.774	ug/l	99
28) Bromochloromethane	7.806	49	72990	44.674	ug/l	99
29) Tetrahydrofuran	7.835	42	168602	234.968	ug/l	98
30) Chloroform	7.965	83	201768	47.336	ug/l	96
31) Cyclohexane	8.253	56	153558	46.742	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	190322	47.169	ug/l	99
36) 1,1-Dichloropropene	8.371	75	138197	49.091	ug/l	99
37) Ethyl Acetate	7.559	43	103975	43.779	ug/l	99
38) Carbon Tetrachloride	8.359	117	175173	47.326	ug/l	98
39) Methylcyclohexane	9.600	83	141579	50.691	ug/l	96
40) Benzene	8.600	78	434771	49.197	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	59219	52.219	ug/l	93
42) 1,2-Dichloroethane	8.665	62	144169	46.818	ug/l	100
43) Isopropyl Acetate	8.682	43	180817	35.134	ug/l	99
44) Trichloroethene	9.347	130	103162	45.040	ug/l	97
45) 1,2-Dichloropropane	9.618	63	101906	50.699	ug/l	98
46) Dibromomethane	9.706	93	74834	47.341	ug/l	98
47) Bromodichloromethane	9.888	83	160786	48.669	ug/l	96
48) Methyl methacrylate	9.676	41	84333	49.658	ug/l	100
49) 1,4-Dioxane	9.694	88	36561	910.693	ug/l #	94
51) 4-Methyl-2-Pentanone	10.441	43	548540	241.680	ug/l	99
52) Toluene	10.629	92	284214	52.400	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	160051	49.885	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	170054	50.236	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	102621	49.571	ug/l	97
56) Ethyl methacrylate	10.870	69	157887	49.075	ug/l	99
57) 1,3-Dichloropropane	11.159	76	175245	49.840	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	314100	253.405	ug/l	100
59) 2-Hexanone	11.194	43	398366	240.929	ug/l	100
60) Dibromochloromethane	11.359	129	131049	49.057	ug/l	98
61) 1,2-Dibromoethane	11.465	107	103481	48.690	ug/l	97
64) Tetrachloroethene	11.100	164	103545	45.715	ug/l	98
65) Chlorobenzene	11.888	112	309205	47.590	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	113783	47.110	ug/l	100
67) Ethyl Benzene	11.965	91	533411	51.323	ug/l	98
68) m/p-Xylenes	12.070	106	422926	103.532	ug/l	99
69) o-Xylene	12.394	106	203150	54.184	ug/l	99
70) Styrene	12.412	104	347832	54.316	ug/l	99
71) Bromoform	12.576	173	93695	46.406	ug/l #	98
73) Isopropylbenzene	12.694	105	512349	49.598	ug/l	100
74) N-amyl acetate	12.488	43	164653	47.641	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	149310	42.723	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	139637m	41.231	ug/l	
77) Bromobenzene	12.976	156	131548	45.669	ug/l	97
78) n-propylbenzene	13.035	91	598058	51.127	ug/l	100
79) 2-Chlorotoluene	13.123	91	377651	48.606	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	440218	50.474	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	59229	46.237	ug/l	95
82) 4-Chlorotoluene	13.217	91	385258	48.218	ug/l	99
83) tert-Butylbenzene	13.435	119	367314	49.243	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	453310	51.532	ug/l	100
85) sec-Butylbenzene	13.611	105	506548	52.056	ug/l	99
86) p-Isopropyltoluene	13.729	119	430335	52.242	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	241566	46.526	ug/l	100
88) 1,4-Dichlorobenzene	13.811	146	243800	44.692	ug/l	98
89) n-Butylbenzene	14.053	91	353418	52.687	ug/l	100
90) Hexachloroethane	14.329	117	84785	44.607	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	235108	45.551	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30256	43.370	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	118625	45.709	ug/l	97
94) Hexachlorobutadiene	15.500	225	61840	41.071	ug/l	98
95) Naphthalene	15.635	128	355998	47.372	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	115671	46.972	ug/l	99

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

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