

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
 Data File : VN085928.D
 Acq On : 11 Mar 2025 13:22
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 12 01:17:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/12/2025
 Supervised By : Mahesh Dadoda 03/12/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	193697	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	310218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	283255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	153775	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	139175	55.421	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.840%			
35) Dibromofluoromethane	8.165	113	113839	56.081	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.160%			
50) Toluene-d8	10.565	98	424670	57.501	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 115.000%#			
62) 4-Bromofluorobenzene	12.847	95	156821	64.447	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 128.900%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	149052	56.573	ug/l	98
3) Chloromethane	2.359	50	143124	54.136	ug/l	100
4) Vinyl Chloride	2.512	62	144535	51.634	ug/l	100
5) Bromomethane	2.953	94	82079	45.857	ug/l	97
6) Chloroethane	3.118	64	81737	44.083	ug/l	99
7) Trichlorofluoromethane	3.494	101	211138	52.097	ug/l	96
8) Diethyl Ether	3.959	74	70014	53.392	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	124057	52.955	ug/l	99
10) Methyl Iodide	4.589	142	150351	52.065	ug/l	97
11) Tert butyl alcohol	5.524	59	74854	242.354	ug/l	100
12) 1,1-Dichloroethene	4.336	96	115016	54.147	ug/l	99
13) Acrolein	4.177	56	96839	211.429	ug/l	97
14) Allyl chloride	5.030	41	150912	54.113	ug/l	95
15) Acrylonitrile	5.712	53	276910	275.784	ug/l	100
16) Acetone	4.424	43	219737	276.540	ug/l	98
17) Carbon Disulfide	4.712	76	349600	55.533	ug/l	100
18) Methyl Acetate	5.018	43	120090	43.940	ug/l	98
19) Methyl tert-butyl Ether	5.788	73	359275	56.919	ug/l	98
20) Methylene Chloride	5.277	84	130189	50.948	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	124616	54.484	ug/l	93
22) Diisopropyl ether	6.671	45	362103	57.461	ug/l	96
23) Vinyl Acetate	6.600	43	1270226	294.389	ug/l	99
24) 1,1-Dichloroethane	6.565	63	228563	53.355	ug/l	99
25) 2-Butanone	7.482	43	327494	280.150	ug/l	98
26) 2,2-Dichloropropane	7.488	77	203466	53.414	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	138418	52.194	ug/l	96
28) Bromochloromethane	7.812	49	113720	64.588	ug/l	93
29) Tetrahydrofuran	7.835	42	220221	291.733	ug/l	98
30) Chloroform	7.965	83	236440	52.815	ug/l	100
31) Cyclohexane	8.253	56	200072	55.780	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	211810	53.194	ug/l	98
36) 1,1-Dichloropropene	8.365	75	165790	57.708	ug/l	99
37) Ethyl Acetate	7.559	43	134008	56.682	ug/l	99
38) Carbon Tetrachloride	8.359	117	193937	56.814	ug/l	94
39) Methylcyclohexane	9.600	83	174606	61.866	ug/l	96
40) Benzene	8.600	78	517879	56.244	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	75757	59.941	ug/l	97
42) 1,2-Dichloroethane	8.671	62	167949	55.998	ug/l	100
43) Isopropyl Acetate	8.688	43	229745	55.431	ug/l	98
44) Trichloroethene	9.347	130	114319	50.566	ug/l	98
45) 1,2-Dichloropropane	9.618	63	125922	56.656	ug/l	97
46) Dibromomethane	9.706	93	87140	55.583	ug/l	99
47) Bromodichloromethane	9.882	83	184314	54.952	ug/l	100
48) Methyl methacrylate	9.676	41	106445	60.625	ug/l	98
49) 1,4-Dioxane	9.688	88	41048	1229.394	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	696920	305.744	ug/l	100
52) Toluene	10.629	92	330401	61.214	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	187593	60.485	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	200954	59.087	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	117216	54.621	ug/l	95
56) Ethyl methacrylate	10.870	69	177513	56.615	ug/l	99
57) 1,3-Dichloropropane	11.159	76	203447	56.791	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	282710	238.868	ug/l	100
59) 2-Hexanone	11.194	43	510866	325.783	ug/l	99
60) Dibromochloromethane	11.359	129	145539	58.241	ug/l	98
61) 1,2-Dibromoethane	11.465	107	117538	57.968	ug/l	99
64) Tetrachloroethene	11.100	164	114845	52.336	ug/l	95
65) Chlorobenzene	11.888	112	343241	52.896	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	125659	53.877	ug/l	99
67) Ethyl Benzene	11.959	91	611796	60.189	ug/l	99
68) m/p-Xylenes	12.070	106	484997	125.614	ug/l	100
69) o-Xylene	12.394	106	222427	60.624	ug/l	97
70) Styrene	12.406	104	388800	56.209	ug/l	98
71) Bromoform	12.576	173	99094	57.178	ug/l #	96
73) Isopropylbenzene	12.694	105	559356	53.095	ug/l	99
74) N-amyl acetate	12.494	43	199571	53.719	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	168671	46.527	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	178136m	52.150	ug/l	
77) Bromobenzene	12.976	156	143525	50.426	ug/l	98
78) n-propylbenzene	13.035	91	682397	56.559	ug/l	99
79) 2-Chlorotoluene	13.123	91	424345	52.640	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	489718	57.065	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	69980	59.775	ug/l	87
82) 4-Chlorotoluene	13.217	91	436573	54.629	ug/l	100
83) tert-Butylbenzene	13.435	119	392056	54.327	ug/l	96
84) 1,2,4-Trimethylbenzene	13.476	105	505780	59.570	ug/l	99
85) sec-Butylbenzene	13.611	105	567243	55.632	ug/l	100
86) p-Isopropyltoluene	13.729	119	483401	51.591	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	268224	50.299	ug/l	100
88) 1,4-Dichlorobenzene	13.811	146	267568	48.956	ug/l	100
89) n-Butylbenzene	14.053	91	404902	55.932	ug/l	98
90) Hexachloroethane	14.335	117	93901	48.627	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	256774	50.074	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	31337	47.074	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	125292	51.276	ug/l	98
94) Hexachlorobutadiene	15.500	225	67213	45.261	ug/l	99
95) Naphthalene	15.641	128	352544	52.553	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	121186	49.402	ug/l	98

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

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