

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020325\
 Data File : VN085643.D
 Acq On : 03 Feb 2025 23:37
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 04 01:02:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/04/2025
 Supervised By : Mahesh Dadoda 02/04/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	180387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	329163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	298588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	140510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	157165	53.975	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.940%			
35) Dibromofluoromethane	8.159	113	127367	55.775	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.560%			
50) Toluene-d8	10.565	98	453094	55.844	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.680%			
62) 4-Bromofluorobenzene	12.847	95	156490	56.384	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.760%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	92871	38.025	ug/l	98
3) Chloromethane	2.359	50	101573	38.410	ug/l	98
4) Vinyl Chloride	2.512	62	124029	46.662	ug/l	98
5) Bromomethane	2.948	94	81115	50.521	ug/l	91
6) Chloroethane	3.112	64	92317	54.782	ug/l	99
7) Trichlorofluoromethane	3.495	101	195945	50.806	ug/l	99
8) Diethyl Ether	3.959	74	80018	60.057	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.365	101	106454	49.006	ug/l	96
10) Methyl Iodide	4.589	142	135827	54.601	ug/l	94
11) Tert butyl alcohol	5.518	59	93071	279.138	ug/l	99
12) 1,1-Dichloroethene	4.336	96	103592	53.509	ug/l	92
13) Acrolein	4.177	56	112173	246.452	ug/l	99
14) Allyl chloride	5.024	41	134068	42.677	ug/l #	94
15) Acrylonitrile	5.718	53	303566	286.638	ug/l	99
16) Acetone	4.424	43	236690	251.575	ug/l	94
17) Carbon Disulfide	4.712	76	218969	36.735	ug/l	97
18) Methyl Acetate	5.024	43	168972	59.062	ug/l	93
19) Methyl tert-butyl Ether	5.794	73	381388	60.670	ug/l	96
20) Methylene Chloride	5.277	84	124287	53.362	ug/l	89
21) trans-1,2-Dichloroethene	5.783	96	103917	50.226	ug/l	96
22) Diisopropyl ether	6.671	45	374620	53.727	ug/l	96
23) Vinyl Acetate	6.600	43	1292887	264.952	ug/l	95
24) 1,1-Dichloroethane	6.565	63	223644	52.602	ug/l	96
25) 2-Butanone	7.477	43	380877	275.096	ug/l	92
26) 2,2-Dichloropropane	7.488	77	167490	48.725	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	139749	57.347	ug/l	91
28) Bromochloromethane	7.812	49	86537	43.749	ug/l	88
29) Tetrahydrofuran	7.835	42	247618	282.092	ug/l	90
30) Chloroform	7.959	83	240069	54.633	ug/l	99
31) Cyclohexane	8.253	56	144338	39.059	ug/l	93
32) 1,1,1-Trichloroethane	8.165	97	196316	50.932	ug/l	96
36) 1,1-Dichloropropene	8.365	75	144091	44.959	ug/l	99
37) Ethyl Acetate	7.559	43	153469	47.441	ug/l	97
38) Carbon Tetrachloride	8.359	117	166713	45.436	ug/l	98
39) Methylcyclohexane	9.600	83	128777	42.759	ug/l	95
40) Benzene	8.600	78	487237	50.597	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	84176	50.015	ug/l	93
42) 1,2-Dichloroethane	8.671	62	173783	47.915	ug/l	98
43) Isopropyl Acetate	8.682	43	283370	54.668	ug/l	98
44) Trichloroethene	9.353	130	108446	48.379	ug/l	99
45) 1,2-Dichloropropane	9.618	63	127727	51.927	ug/l	99
46) Dibromomethane	9.706	93	90617	51.056	ug/l	98
47) Bromodichloromethane	9.882	83	192335	53.191	ug/l	99
48) Methyl methacrylate	9.677	41	118589	50.838	ug/l	88
49) 1,4-Dioxane	9.694	88	38996	992.712	ug/l #	90
51) 4-Methyl-2-Pentanone	10.441	43	820575	272.805	ug/l	94
52) Toluene	10.629	92	299637	53.701	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	185134	54.178	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	195311	53.509	ug/l	92
55) 1,1,2-Trichloroethane	11.012	97	126031	57.075	ug/l	99
56) Ethyl methacrylate	10.871	69	195356	52.421	ug/l	91
57) 1,3-Dichloropropane	11.159	76	214036	55.745	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	340283	242.835	ug/l	97
59) 2-Hexanone	11.194	43	595546	281.387	ug/l	93
60) Dibromochloromethane	11.353	129	147609	55.370	ug/l	99
61) 1,2-Dibromoethane	11.465	107	122216	55.603	ug/l	97
64) Tetrachloroethene	11.100	164	90612	44.514	ug/l	97
65) Chlorobenzene	11.888	112	331765	50.720	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	124835	51.999	ug/l	99
67) Ethyl Benzene	11.959	91	554358	52.034	ug/l	98
68) m/p-Xylenes	12.070	106	427818	108.654	ug/l	95
69) o-Xylene	12.394	106	209900	55.782	ug/l	95
70) Styrene	12.406	104	361326	58.021	ug/l	97
71) Bromoform	12.576	173	95924	55.843	ug/l #	100
73) Isopropylbenzene	12.694	105	517055	54.523	ug/l	98
74) N-amyl acetate	12.494	43	226402	53.115	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	185780	55.459	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	145104m	50.808	ug/l	
77) Bromobenzene	12.976	156	130407	52.634	ug/l	96
78) n-propylbenzene	13.035	91	599962	53.441	ug/l	99
79) 2-Chlorotoluene	13.123	91	379285	52.202	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	430214	54.922	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	67570	64.013	ug/l #	75
82) 4-Chlorotoluene	13.217	91	375763	51.941	ug/l	98
83) tert-Butylbenzene	13.435	119	360515	54.805	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	441526	56.554	ug/l	98
85) sec-Butylbenzene	13.612	105	498199	54.645	ug/l	99
86) p-Isopropyltoluene	13.729	119	410532	50.005	ug/l	97
87) 1,3-Dichlorobenzene	13.729	146	238103	52.183	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	235901	49.879	ug/l	98
89) n-Butylbenzene	14.053	91	341993	52.287	ug/l	98
90) Hexachloroethane	14.329	117	83177	47.923	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	238526	52.408	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	33135	54.168	ug/l	88
93) 1,2,4-Trichlorobenzene	15.388	180	110279	52.133	ug/l	99
94) Hexachlorobutadiene	15.494	225	47965	42.710	ug/l	98
95) Naphthalene	15.635	128	384251	60.874	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	109142	50.992	ug/l	98

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

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