

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031425\
 Data File : VN085984.D
 Acq On : 14 Mar 2025 11:07
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/18/2025
 Supervised By : Mahesh Dadoda 03/18/2025

Quant Time: Mar 15 01:25:14 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

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	144458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	239685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	227188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	81593	43.566	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.140%		
35) Dibromofluoromethane	8.165	113	64967	41.423	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	82.840%		
50) Toluene-d8	10.565	98	226956	39.773	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	79.540%#		
62) 4-Bromofluorobenzene	12.847	95	87863	46.734	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	96816	49.272	ug/l	96
3) Chloromethane	2.359	50	84782	42.999	ug/l	98
4) Vinyl Chloride	2.512	62	85320	40.869	ug/l	99
5) Bromomethane	2.942	94	55156	41.319	ug/l	99
6) Chloroethane	3.112	64	48438	35.029	ug/l	96
7) Trichlorofluoromethane	3.495	101	139389	46.116	ug/l	99
8) Diethyl Ether	3.959	74	50283	51.415	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	76725	43.914	ug/l	98
10) Methyl Iodide	4.583	142	109414	50.804	ug/l	95
11) Tert butyl alcohol	5.524	59	69665	302.435	ug/l	99
12) 1,1-Dichloroethene	4.336	96	71605	45.200	ug/l	96
13) Acrolein	4.177	56	82409	241.251	ug/l	96
14) Allyl chloride	5.018	41	90121	43.329	ug/l	97
15) Acrylonitrile	5.712	53	213985	285.755	ug/l	98
16) Acetone	4.424	43	158995	268.299	ug/l	93
17) Carbon Disulfide	4.706	76	210932	44.926	ug/l	97
18) Methyl Acetate	5.018	43	94064	46.149	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	274481	58.307	ug/l	97
20) Methylene Chloride	5.271	84	93776	49.207	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	80223	47.030	ug/l	90
22) Diisopropyl ether	6.665	45	232105	49.386	ug/l	99
23) Vinyl Acetate	6.600	43	871315	270.768	ug/l	97
24) 1,1-Dichloroethane	6.571	63	152887	47.854	ug/l	98
25) 2-Butanone	7.483	43	243341	279.116	ug/l	95
26) 2,2-Dichloropropane	7.488	77	132956	46.800	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	98469	49.786	ug/l	98
28) Bromochloromethane	7.806	49	68111	51.870	ug/l	96
29) Tetrahydrofuran	7.835	42	168467	299.242	ug/l	95
30) Chloroform	7.965	83	166339	49.821	ug/l	97
31) Cyclohexane	8.253	56	109945	41.101	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	145046	48.843	ug/l	98
36) 1,1-Dichloropropene	8.371	75	102389	46.128	ug/l	99
37) Ethyl Acetate	7.559	43	101439	55.532	ug/l	98
38) Carbon Tetrachloride	8.359	117	132525	50.248	ug/l	95
39) Methylcyclohexane	9.600	83	98870	45.340	ug/l	97
40) Benzene	8.606	78	347135	48.794	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	55366	56.699	ug/l	95
42) 1,2-Dichloroethane	8.665	62	128458	55.434	ug/l	97
43) Isopropyl Acetate	8.688	43	171024	53.386	ug/l	98
44) Trichloroethene	9.353	130	79703	45.629	ug/l	99
45) 1,2-Dichloropropane	9.618	63	84658	49.299	ug/l	98
46) Dibromomethane	9.706	93	66707	55.071	ug/l	99
47) Bromodichloromethane	9.888	83	137501	53.058	ug/l	99
48) Methyl methacrylate	9.677	41	77096	56.830	ug/l	93
49) 1,4-Dioxane	9.694	88	34848	1350.838	ug/l #	93
51) 4-Methyl-2-Pentanone	10.441	43	528189	299.910	ug/l	96
52) Toluene	10.629	92	222722	53.407	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	139288	58.126	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	143358	54.556	ug/l	95
55) 1,1,2-Trichloroethane	11.012	97	90292	54.456	ug/l	99
56) Ethyl methacrylate	10.871	69	135990	56.192	ug/l	96
57) 1,3-Dichloropropane	11.159	76	150036	54.206	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	269818	279.514	ug/l	96
59) 2-Hexanone	11.194	43	396619	327.357	ug/l	96
60) Dibromochloromethane	11.359	129	115950	60.055	ug/l	97
61) 1,2-Dibromoethane	11.471	107	90361	57.679	ug/l	99
64) Tetrachloroethene	11.100	164	79102	44.944	ug/l	99
65) Chlorobenzene	11.888	112	247247	47.506	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	94116	50.311	ug/l	98
67) Ethyl Benzene	11.959	91	414158	50.800	ug/l	99
68) m/p-Xylenes	12.070	106	337208	108.890	ug/l	99
69) o-Xylene	12.394	106	159312	54.138	ug/l	100
70) Styrene	12.412	104	284431	51.748	ug/l	98
71) Bromoform	12.576	173	81454	58.599	ug/l #	98
73) Isopropylbenzene	12.694	105	381374	43.904	ug/l	100
74) N-amyl acetate	12.494	43	145232	47.411	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	136713	45.736	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	134001m	47.577	ug/l	
77) Bromobenzene	12.976	156	110022	46.881	ug/l	100
78) n-propylbenzene	13.035	91	464216	46.663	ug/l	99
79) 2-Chlorotoluene	13.123	91	300904	45.270	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	350833	49.580	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	53454	55.375	ug/l	97
82) 4-Chlorotoluene	13.217	91	317990	48.258	ug/l	99
83) tert-Butylbenzene	13.435	119	285337	47.953	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	360571	51.504	ug/l	99
85) sec-Butylbenzene	13.617	105	381910	45.426	ug/l	100
86) p-Isopropyltoluene	13.729	119	327286	43.048	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	202738	46.109	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	199957	44.370	ug/l	99
89) n-Butylbenzene	14.053	91	258809	43.358	ug/l	99
90) Hexachloroethane	14.329	117	66986	42.071	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	197736	46.766	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28339	51.629	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	95853	47.576	ug/l	99
94) Hexachlorobutadiene	15.500	225	48641	39.725	ug/l	97
95) Naphthalene	15.641	128	295885	53.493	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	97135	48.024	ug/l	99

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

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