

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041625\
 Data File : VN086286.D
 Acq On : 16 Apr 2025 09:14
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/17/2025
 Supervised By : Mahesh Dadoda 04/17/2025

Quant Time: Apr 17 03:04:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	235673	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	430893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	383563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	177295	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.577	65	164281	48.071	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.140%
35) Dibromofluoromethane	8.165	113	92402	46.205	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.400%
50) Toluene-d8	10.565	98	525438	49.161	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.320%
62) 4-Bromofluorobenzene	12.847	95	192478	49.374	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.740%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	139730	50.015	ug/l	99
3) Chloromethane	2.359	50	187952	46.291	ug/l	99
4) Vinyl Chloride	2.512	62	186531	48.142	ug/l	99
5) Bromomethane	2.953	94	88918	51.019	ug/l	96
6) Chloroethane	3.118	64	119531	46.095	ug/l	99
7) Trichlorofluoromethane	3.500	101	206871	48.201	ug/l	97
8) Diethyl Ether	3.959	74	88542	47.257	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	126479	48.715	ug/l	99
10) Methyl Iodide	4.583	142	152531	53.436	ug/l	99
11) Tert butyl alcohol	5.512	59	150071	240.673	ug/l	100
12) 1,1-Dichloroethene	4.342	96	130797	47.154	ug/l	94
13) Acrolein	4.177	56	76094	262.459	ug/l	96
14) Allyl chloride	5.018	41	225300	45.690	ug/l	99
15) Acrylonitrile	5.712	53	371338	240.904	ug/l	100
16) Acetone	4.418	43	299320	253.403	ug/l	100
17) Carbon Disulfide	4.712	76	364873	43.931	ug/l	99
18) Methyl Acetate	5.018	43	186352	45.427	ug/l	100
19) Methyl tert-butyl Ether	5.788	73	472153	46.306	ug/l	100
20) Methylene Chloride	5.277	84	147320	46.630	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	135959	46.882	ug/l	100
22) Diisopropyl ether	6.665	45	498190	46.443	ug/l	99
23) Vinyl Acetate	6.600	43	1746712	232.938	ug/l	98
24) 1,1-Dichloroethane	6.571	63	268843	47.500	ug/l	99
25) 2-Butanone	7.477	43	503322	236.612	ug/l	98
26) 2,2-Dichloropropane	7.488	77	243488	48.048	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	166409	46.233	ug/l	100
28) Bromochloromethane	7.812	49	114783	47.831	ug/l	100
29) Tetrahydrofuran	7.835	42	330147	232.094	ug/l	99
30) Chloroform	7.959	83	259399	46.656	ug/l	98
31) Cyclohexane	8.253	56	251642	45.437	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	223386	46.967	ug/l	99
36) 1,1-Dichloropropene	8.371	75	193287	48.390	ug/l	100
37) Ethyl Acetate	7.553	43	193953	46.122	ug/l	98
38) Carbon Tetrachloride	8.359	117	185182	48.682	ug/l	98
39) Methylcyclohexane	9.600	83	230804	48.614	ug/l	99
40) Benzene	8.600	78	613264	47.920	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	114048	46.794	ug/l	100
42) 1,2-Dichloroethane	8.665	62	195800	47.977	ug/l	100
43) Isopropyl Acetate	8.682	43	362008	47.992	ug/l	98
44) Trichloroethene	9.347	130	151444	49.927	ug/l	100
45) 1,2-Dichloropropane	9.618	63	150667	48.096	ug/l	98
46) Dibromomethane	9.706	93	97743	48.970	ug/l	99
47) Bromodichloromethane	9.882	83	209384	48.571	ug/l	100
48) Methyl methacrylate	9.676	41	170133	46.070	ug/l	99
49) 1,4-Dioxane	9.688	88	59527	947.648	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	1033728	240.057	ug/l	99
52) Toluene	10.623	92	385532	48.280	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	238507	49.563	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	254333	48.119	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	137156	47.739	ug/l	96
56) Ethyl methacrylate	10.871	69	254512	48.193	ug/l	99
57) 1,3-Dichloropropane	11.159	76	246324	48.323	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	614176	245.023	ug/l	100
59) 2-Hexanone	11.194	43	771609	241.579	ug/l	100
60) Dibromochloromethane	11.353	129	153985	48.808	ug/l	99
61) 1,2-Dibromoethane	11.465	107	139475	48.111	ug/l	99
64) Tetrachloroethene	11.100	164	145847	49.433	ug/l	98
65) Chlorobenzene	11.888	112	407897	47.653	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	136092	48.194	ug/l	99
67) Ethyl Benzene	11.959	91	742623	48.077	ug/l	99
68) m/p-Xylenes	12.065	106	562291	97.152	ug/l	99
69) o-Xylene	12.394	106	272968	47.691	ug/l	99
70) Styrene	12.406	104	467765	49.048	ug/l	100
71) Bromoform	12.576	173	102569	48.243	ug/l #	99
73) Isopropylbenzene	12.694	105	678138	46.758	ug/l	100
74) N-amyl acetate	12.488	43	317872	44.026	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	182886	43.857	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	188539m	45.063	ug/l	
77) Bromobenzene	12.976	156	152840	47.562	ug/l	99
78) n-propylbenzene	13.029	91	813823	47.620	ug/l	100
79) 2-Chlorotoluene	13.123	91	500975	46.847	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	560090	47.184	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	92189	52.918	ug/l	93
82) 4-Chlorotoluene	13.217	91	506641	47.693	ug/l	99
83) tert-Butylbenzene	13.435	119	467771	45.479	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	573671	47.478	ug/l	100
85) sec-Butylbenzene	13.611	105	679238	47.611	ug/l	100
86) p-Isopropyltoluene	13.729	119	571595	48.608	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	291794	48.303	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	291992	47.989	ug/l	99
89) n-Butylbenzene	14.053	91	513021	49.219	ug/l	99
90) Hexachloroethane	14.329	117	93202	47.120	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	279296	47.687	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	40668	48.367	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	139704	49.814	ug/l	99
94) Hexachlorobutadiene	15.500	225	52193	49.301	ug/l	99
95) Naphthalene	15.635	128	480514	48.334	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	127501	48.020	ug/l	99

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

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