

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040725\
 Data File : VN086232.D
 Acq On : 07 Apr 2025 12:02
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 08 04:24:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040725W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 08 04:20:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	166018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	262514	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	243815	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131713	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	93162	44.361	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.720%
35) Dibromofluoromethane	8.165	113	60540	45.627	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.260%
50) Toluene-d8	10.565	98	277266	50.484	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.960%
62) 4-Bromofluorobenzene	12.847	95	113227	58.334	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	116.660%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	99773	69.226	ug/l	99
3) Chloromethane	2.359	50	95293	58.575	ug/l	96
4) Vinyl Chloride	2.512	62	95149	65.367	ug/l	99
5) Bromomethane	2.959	94	44970	62.219	ug/l	90
6) Chloroethane	3.118	64	55158	64.066	ug/l #	73
7) Trichlorofluoromethane	3.494	101	133873	63.066	ug/l	97
8) Diethyl Ether	3.959	74	46516	71.223	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	76243	68.696	ug/l	98
10) Methyl Iodide	4.589	142	92967	71.056	ug/l	98
11) Tert butyl alcohol	5.512	59	62648	329.503	ug/l #	80
12) 1,1-Dichloroethene	4.341	96	72138	64.288	ug/l	97
13) Acrolein	4.177	56	59398	201.884	ug/l	95
14) Allyl chloride	5.018	41	98291	64.173	ug/l	93
15) Acrylonitrile	5.718	53	173320	301.833	ug/l	95
16) Acetone	4.418	43	108925	226.381	ug/l	91
17) Carbon Disulfide	4.712	76	180243	50.197	ug/l	99
18) Methyl Acetate	5.024	43	83124	56.215	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	265546	70.661	ug/l	96
20) Methylene Chloride	5.277	84	81130	63.740	ug/l #	94
21) trans-1,2-Dichloroethene	5.783	96	76687	61.935	ug/l	97
22) Diisopropyl ether	6.665	45	219284	70.791	ug/l #	94
23) Vinyl Acetate	6.594	43	752321	337.696	ug/l	97
24) 1,1-Dichloroethane	6.559	63	144263	66.620	ug/l	94
25) 2-Butanone	7.477	43	197070	285.387	ug/l	91
26) 2,2-Dichloropropane	7.488	77	143812	66.109	ug/l	98
27) cis-1,2-Dichloroethene	7.482	96	93920	62.879	ug/l	96
28) Bromochloromethane	7.812	49	65126	64.382	ug/l	99
29) Tetrahydrofuran	7.830	42	136992	310.175	ug/l	97
30) Chloroform	7.965	83	155948	63.166	ug/l	97
31) Cyclohexane	8.259	56	123685	62.927	ug/l	91
32) 1,1,1-Trichloroethane	8.165	97	147861	65.593	ug/l	97
36) 1,1-Dichloropropene	8.365	75	106669	73.772	ug/l	97
37) Ethyl Acetate	7.553	43	81065	62.112	ug/l	99
38) Carbon Tetrachloride	8.359	117	130605	69.895	ug/l	97
39) Methylcyclohexane	9.600	83	119094	68.822	ug/l	90
40) Benzene	8.606	78	335876	67.087	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	46895	64.868	ug/l	96
42) 1,2-Dichloroethane	8.665	62	115279	69.416	ug/l	99
43) Isopropyl Acetate	8.682	43	149995	49.537	ug/l	94
44) Trichloroethene	9.347	130	91006	70.843	ug/l	96
45) 1,2-Dichloropropane	9.618	63	79560	70.932	ug/l #	87
46) Dibromomethane	9.706	93	56944	68.492	ug/l	96
47) Bromodichloromethane	9.882	83	123746	70.613	ug/l #	99
48) Methyl methacrylate	9.676	41	68157	71.559	ug/l	98
49) 1,4-Dioxane	9.694	88	31223	1390.881	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	454255	361.151	ug/l	99
52) Toluene	10.623	92	224945	75.097	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	136807	75.419	ug/l	93
54) cis-1,3-Dichloropropene	10.306	75	142601	72.919	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	80749	69.018	ug/l	84
56) Ethyl methacrylate	10.870	69	127577	86.627	ug/l	98
57) 1,3-Dichloropropane	11.159	76	139905	73.326	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	397992	506.221	ug/l	97
59) 2-Hexanone	11.188	43	328871	372.427	ug/l	98
60) Dibromochloromethane	11.353	129	100223	73.005	ug/l	96
61) 1,2-Dibromoethane	11.465	107	82845	76.175	ug/l	98
64) Tetrachloroethene	11.100	164	99155	68.979	ug/l	94
65) Chlorobenzene	11.888	112	240841	67.611	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	89282	70.398	ug/l	96
67) Ethyl Benzene	11.959	91	424065	75.095	ug/l	100
68) m/p-Xylenes	12.070	106	336697	155.956	ug/l	95
69) o-Xylene	12.394	106	165399	77.503	ug/l	97
70) Styrene	12.406	104	274640	84.737	ug/l	96
71) Bromoform	12.576	173	69321	73.927	ug/l	99
73) Isopropylbenzene	12.694	105	415036	68.840	ug/l	97
74) N-amyl acetate	12.488	43	133920	73.212	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	97210	53.501	ug/l	94
76) 1,2,3-Trichloropropane	12.988	75	111515m	57.468	ug/l	
77) Bromobenzene	12.976	156	102053	64.396	ug/l	97
78) n-propylbenzene	13.029	91	486773	72.188	ug/l	98
79) 2-Chlorotoluene	13.123	91	305222	65.106	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	365652	74.127	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.729	75	45415	75.436	ug/l	94
82) 4-Chlorotoluene	13.217	91	318905	70.046	ug/l	98
83) tert-Butylbenzene	13.435	119	317178	75.223	ug/l	96
84) 1,2,4-Trimethylbenzene	13.476	105	373114	76.417	ug/l	99
85) sec-Butylbenzene	13.611	105	434259	78.033	ug/l	100
86) p-Isopropyltoluene	13.723	119	379314	82.166	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	199082	64.915	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	199850	63.709	ug/l	96
89) n-Butylbenzene	14.053	91	324061	83.535	ug/l	96
90) Hexachloroethane	14.329	117	60051	67.087	ug/l	100
91) 1,2-Dichlorobenzene	14.100	146	196170	63.715	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	25425	62.601	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	110073	70.317	ug/l	92
94) Hexachlorobutadiene	15.500	225	57651	67.241	ug/l	96
95) Naphthalene	15.635	128	333067	73.536	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	102520	68.081	ug/l	96

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

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