

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031225\
 Data File : VN085968.D
 Acq On : 12 Mar 2025 18:30
 Operator : JC\MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0050EC

Quant Time: Mar 13 01:43:32 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	174900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	287582	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	136684	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	105473	46.515	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.020%
35) Dibromofluoromethane	8.159	113	86875	46.166	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.340%
50) Toluene-d8	10.565	98	316814	46.273	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.540%
62) 4-Bromofluorobenzene	12.847	95	116227	51.524	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.040%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	102391	43.040	ug/l	99
3) Chloromethane	2.359	50	94536	39.601	ug/l	98
4) Vinyl Chloride	2.512	62	95565	37.809	ug/l	98
5) Bromomethane	2.954	94	59353	36.724	ug/l	99
6) Chloroethane	3.118	64	59037	35.263	ug/l	95
7) Trichlorofluoromethane	3.495	101	158202	43.230	ug/l	97
8) Diethyl Ether	3.959	74	54723	46.216	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	85843	40.581	ug/l	99
10) Methyl Iodide	4.589	142	120260	46.121	ug/l	97
11) Tert butyl alcohol	5.512	59	59110	211.948	ug/l	99
12) 1,1-Dichloroethene	4.342	96	83650	43.613	ug/l	97
13) Acrolein	4.177	56	90568	218.989	ug/l	99
14) Allyl chloride	5.024	41	113347	45.011	ug/l	94
15) Acrylonitrile	5.718	53	207674	229.058	ug/l	97
16) Acetone	4.424	43	148792	207.380	ug/l	95
17) Carbon Disulfide	4.712	76	249654	43.919	ug/l	97
18) Methyl Acetate	5.024	43	88784	35.977	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	287683	50.475	ug/l	97
20) Methylene Chloride	5.271	84	98020	42.482	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	89538	43.354	ug/l	92
22) Diisopropyl ether	6.671	45	266073	46.760	ug/l	99
23) Vinyl Acetate	6.600	43	1027624	263.760	ug/l	98
24) 1,1-Dichloroethane	6.565	63	169151	43.730	ug/l	100
25) 2-Butanone	7.483	43	234852	222.492	ug/l	98
26) 2,2-Dichloropropane	7.489	77	149859	43.569	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	106596	44.514	ug/l	98
28) Bromochloromethane	7.812	49	69930	43.986	ug/l	97
29) Tetrahydrofuran	7.836	42	161121	236.381	ug/l	98
30) Chloroform	7.965	83	181313	44.854	ug/l	99
31) Cyclohexane	8.253	56	138191	42.669	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	163568	45.493	ug/l	98
36) 1,1-Dichloropropene	8.371	75	123860	46.507	ug/l	99
37) Ethyl Acetate	7.559	43	98260	44.833	ug/l	99
38) Carbon Tetrachloride	8.359	117	148853	47.039	ug/l	96
39) Methylcyclohexane	9.600	83	121853	46.573	ug/l	96
40) Benzene	8.606	78	390496	45.747	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	54381	46.415	ug/l	94
42) 1,2-Dichloroethane	8.665	62	131093	47.149	ug/l	99
43) Isopropyl Acetate	8.683	43	176616	45.872	ug/l	97
44) Trichloroethene	9.347	130	89422	42.667	ug/l	96
45) 1,2-Dichloropropane	9.618	63	93896	45.572	ug/l	99
46) Dibromomethane	9.706	93	66839	45.990	ug/l	100
47) Bromodichloromethane	9.883	83	143438	46.131	ug/l	99
48) Methyl methacrylate	9.677	41	81079	49.812	ug/l	98
49) 1,4-Dioxane	9.694	88	31542	1019.046	ug/l	99
51) 4-Methyl-2-Pentanone	10.441	43	511423	242.025	ug/l	98
52) Toluene	10.630	92	245915	49.147	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	145106	50.468	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	155179	49.219	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	91028	45.756	ug/l	99
56) Ethyl methacrylate	10.871	69	140632	49.256	ug/l	97
57) 1,3-Dichloropropane	11.165	76	158170	47.627	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	286973	255.739	ug/l	99
59) 2-Hexanone	11.194	43	364439	250.699	ug/l	96
60) Dibromochloromethane	11.359	129	114755	49.537	ug/l	97
61) 1,2-Dibromoethane	11.465	107	90911	48.365	ug/l	98
64) Tetrachloroethene	11.100	164	87323	43.869	ug/l	96
65) Chlorobenzene	11.888	112	260973	44.336	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	97123	45.906	ug/l	98
67) Ethyl Benzene	11.959	91	451957	49.017	ug/l	99
68) m/p-Xylenes	12.071	106	356685	101.841	ug/l	97
69) o-Xylene	12.394	106	169948	51.064	ug/l	99
70) Styrene	12.406	104	290415	47.177	ug/l	98
71) Bromoform	12.576	173	77827	49.505	ug/l #	97
73) Isopropylbenzene	12.694	105	418074	44.646	ug/l	100
74) N-amyl acetate	12.488	43	150933	45.707	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	125806	39.042	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	123634m	40.720	ug/l	
77) Bromobenzene	12.976	156	106306	42.020	ug/l	94
78) n-propylbenzene	13.035	91	495524	46.206	ug/l	100
79) 2-Chlorotoluene	13.123	91	315954	44.095	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	366579	48.057	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	50603	48.629	ug/l	94
82) 4-Chlorotoluene	13.218	91	320845	45.168	ug/l	98
83) tert-Butylbenzene	13.435	119	294460	45.905	ug/l	96
84) 1,2,4-Trimethylbenzene	13.476	105	378645	50.172	ug/l	98
85) sec-Butylbenzene	13.612	105	418336	46.159	ug/l	100
86) p-Isopropyltoluene	13.729	119	352127	42.970	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	202836	42.793	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	202795	41.744	ug/l	100
89) n-Butylbenzene	14.053	91	286105	44.463	ug/l	98
90) Hexachloroethane	14.329	117	68346	39.819	ug/l	93
91) 1,2-Dichlorobenzene	14.100	146	198060	43.454	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	25027	42.296	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	95769	44.095	ug/l	98
94) Hexachlorobutadiene	15.500	225	49072	37.177	ug/l	99
95) Naphthalene	15.635	128	278763	46.751	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	93537	42.899	ug/l	99

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

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