

**Pace Analytical Services, LLC - Duluth, MN MDL Study**

Method Reference: EPA 1630
Instruments: 12HG2

Matrix: Tissue
Units: ng/g

Parameter	MDL(Final)	MDL(b)	MDL(s)	Spike Conc	PRL	PQL>MDL*2
Methyl Mercury	0.7515	0.2922	0.7515	3.1000	3.1000	YES

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Parameter	Original MDL	Verified MDL	MB %	MDL within 50%	MDL within 200%	MB within 3%
Methyl Mercury	0.7040	0.7515	0.0000	OK	OK	OK



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	Instrument ID		12HG2	12HG2	12HG2	12HG2	12HG2	12HG2	12HG2	12HG2	12HG2	12HG2
	File ID		NA	NA	NA	NA	NA	NA	NA	NA	Q1_2019	Q1_2019
	Date Analyzed		12/14/2018	12/14/2018	12/14/2018	12/19/2018	12/19/2018	12/19/2018	12/20/2018	12/20/2018	2/1/2019	2/1/2019
	Prep Batch		30972	30972	30972	31043	31043	31043	31088	31088	160876	160876
	Date Prepped		12/12/2018	12/12/2018	12/12/2018	12/17/2019	12/17/2018	12/17/2018	12/18/2018	12/18/2018	2/5/2019	2/5/2019
Parameter	PRL	Spike Conc.	MDL #1	MDL #2	MDL #3	MDL #4	MDL #5	MDL #6	MDL #7	MDL #8	MDL #9	MDL #10
Methyl Mercury	3.1000	3.1000	2.5103	3.0806	3.0194	3.0934	3.2061	2.8679	2.6605	2.9201	2.6271	3.1307



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12HG2	12HG2	12HG2	12HG2	12HG2	12HG2	12HG2	12HG2	12HG2	12HG2	12HG2	12HG2
Q2_2019	Q2_2019	Q3_2019	Q3_2019	Q4_2019	Q4_2019	Q1_2020	Q1_2020	Q2_2020	Q2_2020	Q3_2020	Q3_2020
5/13/2019	5/13/2019	8/16/2019	8/16/2019	10/4/2019	10/4/2019	1/29/2020	1/31/2020	6/2/2020	6/2/2020	8/26/2020	8/26/2020
166202	166202	173462	173462	176655	176655	182925	182925	190445	190445	197063	197063
5/15/2019	5/15/2019	8/23/2019	8/23/2019	10/8/2019	10/8/2019	1/29/2020	1/31/2020	5/29/2020	5/29/2020	8/21/2020	8/21/2020
MDL #11	MDL #12	MDL #13	MDL #14	MDL #15	MDL #16	MDL #17	MDL #18	MDL #19	MDL #20	MDL #21	MDL #22
2.7982	2.9097	2.4551	2.2673	2.7494	2.8536	2.4200	2.7700	3.4700	3.0300	2.7158	2.3966



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Instrument ID														
File ID														
Date Analyzed														
Prep Batch														
Date Prepped														
Parameter	PRL	BLK #1	BLK #2	BLK #3	BLK #4	BLK #5	BLK #6	BLK #7	BLK #8	BLK #9	BLK #10	Average Blk Amt	Std Dev.	MDL(b)
Methyl Mercury	3.1											#DIV/0!	#DIV/0!	0.292
0	0											#DIV/0!	#DIV/0!	#DIV/0!
0	0											#DIV/0!	#DIV/0!	#DIV/0!
0	0											#DIV/0!	#DIV/0!	#DIV/0!
0	0											#DIV/0!	#DIV/0!	#DIV/0!
0	0											#DIV/0!	#DIV/0!	#DIV/0!

COMMENTS: The MDLb was calculated outside the MDL template due to the number of data points.

For details, see spreadsheet "MDLb EPA 1630 MeHg TS" located in Duluth QA MDL file 2020 MDLs/20DUL.