

245.1

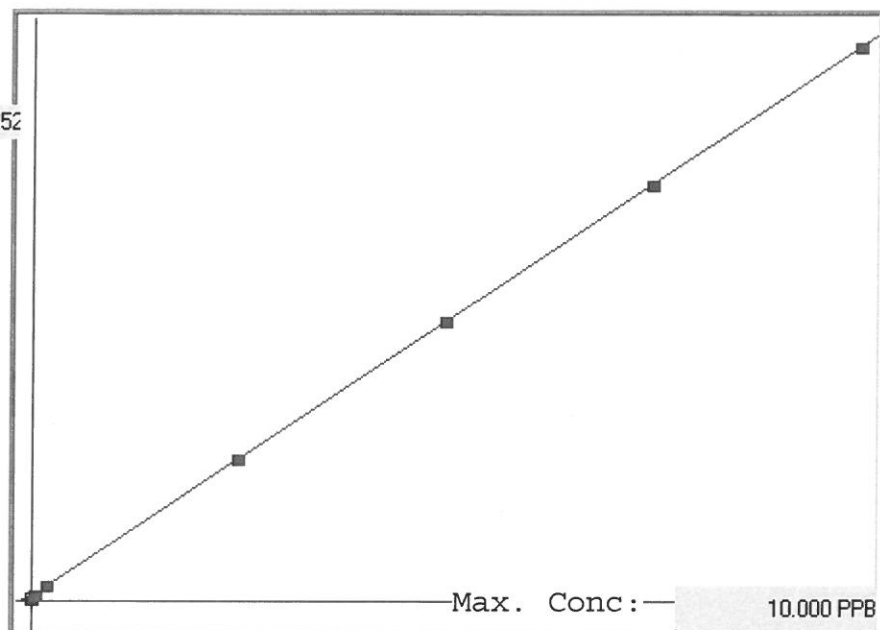
LB 92672

INSTRUMENT ID: CV1

Linear

 μ Abs.:

32252



A= 0.0000e+000

B= 3.1241e-004

C= -7.9925e-002

Rho= 0.9999901

Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0.0	0.000	-0.033	-0.033	150	0.000	150				
0.05	0.050	0.053	0.003	425	0.0 %	425				
0.2	0.200	0.213	0.013	939	0.0 %	939				
2.5	2.500	2.516	0.016	8311	0.0 %	8311				
5.0	5.000	5.015	0.015	16309	0.0 %	16309				
7.5	7.500	7.489	-0.011	24229	0.0 %	24229				
10.0	10.000	9.996	-0.004	32252	0.0 %	32252				

LB92672 INSTRUMENT ID : CV1

Method: 245.1

Operator: Admin

Date of Analysis: 17 Jan 2018 16:14:00

Sample ID	Extended ID	μ Abs.	Conc.	Std Conc	Method	Units	Date	Type	Type
0.0 - 1	80	150	-	0.0000	245.1	PPB	17 Jan 2018 16:18:55	S	Std
0.05 - 1	50.05	425	-	0.0500	245.1	PPB	17 Jan 2018 16:21:03	S	Std
0.2 - 1	50.2	939	-	0.2000	245.1	PPB	17 Jan 2018 16:23:11	S	Std
2.5 - 1	52.5	8311	-	2.5000	245.1	PPB	17 Jan 2018 16:25:19	S	Std
5.0 - 1	55	16309	-	5.0000	245.1	PPB	17 Jan 2018 16:27:27	S	Std
7.5 - 1	57.5	24229	-	7.5000	245.1	PPB	17 Jan 2018 16:29:34	S	Std
10.0 - 1	510	32252	-	10.0000	245.1	PPB	17 Jan 2018 16:31:42	S	Std
ICV52 - 1	ICV52	12603	3.8573	-245.1		PPB	17 Jan 2018 16:34:25	U	SMPL
ICB52 - 1	ICB52	46	-0.0656	-245.1		PPB	17 Jan 2018 16:36:31	U	SMPL
CCV82 - 1	CCV82	16715	5.1420	-245.1		PPB	17 Jan 2018 16:41:37	U	SMPL
CCB82 - 1	CCB82	161	-0.0296	-245.1		PPB	17 Jan 2018 16:43:44	U	SMPL
CRA - 1	CRA	908	0.2037	-245.1		PPB	17 Jan 2018 16:45:52	U	SMPL
HighStd - 1	HighStd	31810	9.8577	-245.1		PPB	17 Jan 2018 16:47:58	U	SMPL
ChkStd - 1	ChkStd	22574	6.9723	-245.1		PPB	17 Jan 2018 16:50:05	U	SMPL
PB105698BL - 1	PBW	217	-0.0121	-245.1		PPB	17 Jan 2018 16:54:42	U	SMPL
PB105698BS - 1	LCSW	12058	3.6871	-245.1		PPB	17 Jan 2018 16:56:48	U	SMPL
J1089-01 - 1	MDL-WATER-1	453	0.0616	-245.1		PPB	17 Jan 2018 17:01:25	U	SMPL
J1089-02 - 1	MDL-WATER-2	413	0.0491	-245.1		PPB	17 Jan 2018 17:03:32	U	SMPL
J1089-03 - 1	MDL-WATER-3	443	0.0585	-245.1		PPB	17 Jan 2018 17:05:40	U	SMPL
J1089-04 - 1	MDL-WATER-4	407	0.0472	-245.1		PPB	17 Jan 2018 17:07:49	U	SMPL
J1089-05 - 1	MDL-WATER-5	414	0.0494	-245.1		PPB	17 Jan 2018 17:09:55	U	SMPL
CCV83 - 1	CCV83	16550	5.0904	-245.1		PPB	17 Jan 2018 17:12:02	U	SMPL
CCB83 - 1	CCB83	125	-0.0409	-245.1		PPB	17 Jan 2018 17:14:08	U	SMPL
J1089-06 - 1	MDL-WATER-6	434	0.0557	-245.1		PPB	17 Jan 2018 17:16:16	U	SMPL
J1089-07 - 1	MDL-WATER-7	420	0.0513	-245.1		PPB	17 Jan 2018 17:18:23	U	SMPL
CCV84 - 1	CCV84	16653	5.1226	-245.1		PPB	17 Jan 2018 17:20:29	U	SMPL
CCB84 - 1	CCB84	94	-0.0506	-245.1		PPB	17 Jan 2018 17:22:36	U	SMPL

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CHEMTECH

Method Detection Limit (MDL) Determination

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Parameter(s):
 Analysis Method:
 Prep Method:

HG 245.1
 245.1
 245.1

Matrix:
 Instrument:
 Analyst:

WATER
 CV1
 MOHAN

Replicates	5	6	7	8
t value	3.747	3.365	3.143	2.998

Analytes	Units: ug/L								Blank Result ug/L	Spike Amount ug/L	t value	Raw MDL ug/L	Calculated MDL ug/L
	Replicate Number												
	1	2	3	4	5	6	7	8					
Hg	0.06160	0.04910	0.05850	0.04720	0.04940	0.05570	0.05130		0.05000	3.14300	0.0170	0.0170	
Replicate ID:	MDL 1	MDL 2	MDL 3	MDL 4	MDL 5	MDL 6	MDL 7	MDL 8					
Determination Date:	1/17/2018	1/17/2018	1/17/2018	1/17/2018	1/17/2018	1/17/2018	1/17/2018	1/17/2018					
Preparation Date:	1/17/2018	1/17/2018	1/17/2018	1/17/2018	1/17/2018	1/17/2018	1/17/2018	1/17/2018					

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Analytes	Average Measured Value ug/L	Average Recovery (%R)	Standard Deviation ug/L	Spike Level Check (low) (<MDL)	Spike Level Check (high) (>10 X MDL)	Spike Level Check (high) (>5 X MDL)	Raw MDL ug/L	Calculated MDL ug/L
Hg	0.05326	106.51429	0.00541	Acceptable	Acceptable	Acceptable	0.0170	0.0170