

Chemtech Consulting Group

Analytical Review Report

Date Printed : 1/4/17
Analyst : AP
Data File : LB84958.csv

Approved By : 
Approved Date :
Worksheet # : 1917

M9056. A - Inorganic Arsenic - IL

Lab Sample ID	Client ID	Raw Amt	Dil	Matrix	A. Date	Prep	Analysis			Line 1
Parameter		PPB	Final Conc		%Rec	LCL	UCL	RPD	Max RPD	Units
										Line 2
Bromide										
STD1	STD1			W	12/19/16					
Bromide		PASS	0.000	0.000						mg/L
STD2	STD2			W	12/19/16					
Bromide		PASS	0.982	0.982						mg/L
STD3	STD3			W	12/19/16					
Bromide		PASS	2.326	2.33						mg/L
STD4	STD4			W	12/19/16					
Bromide		PASS	4.181	4.18						mg/L
STD5	STD5			W	12/19/16					
Bromide		PASS	9.734	9.73						mg/L
STD6	STD6			W	12/19/16					
Bromide		PASS	19.435	19.4						mg/L
STD7	STD7			W	12/19/16					
Bromide		PASS	24.257	24.3						mg/L
STD8	STD8			W	12/19/16					
Bromide		PASS	50.585	50.6						mg/L
ICV1	ICV1			W	12/19/16					
Bromide		PASS	24.524	24.50	98.0	90	110			mg/L
ICB1	ICB1			W	12/19/16					
Bromide		PASS	0.000	0.000			+/-0.0660			mg/L
CCV1	CCV1			W	12/20/16					
Bromide		PASS	24.952	25.00	100.0	90	110			mg/L
CCB1	CCB1			W	12/20/16					
Bromide		PASS	0.000	0.000			+/-0.0660			mg/L
LB84958BLW	LB84958BLW			W	12/20/16					
Bromide		PASS	0.000	0.000			+/-0.0660			mg/L
LB84958BSW	LB84958BSW			W	12/20/16					
Bromide		PASS	24.955	25.00	100.0	90	110			mg/L
H6103-05	LOD-WATER-05-QT1-2017			W	12/20/16					
Bromide		PASS	0.191	0.191						mg/L
H6103-06	LOQ-WATER-06-QT1-2017			W	12/20/16					
Bromide		PASS	1.069	1.07	107.0	50	150			mg/L
CCV2	CCV2			W	12/20/16					
Bromide		PASS	24.979	25.00	100.0	90	110			mg/L
CCB2	CCB2			W	12/20/16					
Bromide		PASS	0.000	0.000			+/-0.0660			mg/L

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Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep	Analysis		Line 1
Parameter			PPB		Final Conc	%Rec	Method	Method		Line 2
Chloride										
STD1	STD1				W	12/19/16				
Chloride		PASS	0.000		0.000				mg/L	
STD2	STD2				W	12/19/16				
Chloride		PASS	0.383		0.383				mg/L	
STD3	STD3				W	12/19/16				
Chloride		PASS	0.770		0.770				mg/L	
STD4	STD4				W	12/19/16				
Chloride		PASS	1.266		1.27				mg/L	
STD5	STD5				W	12/19/16				
Chloride		PASS	2.897		2.90				mg/L	
STD6	STD6				W	12/19/16				
Chloride		PASS	5.700		5.70				mg/L	
STD7	STD7				W	12/19/16				
Chloride		PASS	7.167		7.17				mg/L	
STD8	STD8				W	12/19/16				
Chloride		PASS	15.268		15.3				mg/L	
ICV1	ICV1				W	12/19/16				
Chloride		PASS	7.282		7.28	97.0	90	110	mg/L	
ICB1	ICB1				W	12/19/16				
Chloride		PASS	0.000		0.000			+/-0.0750	mg/L	
CCV1	CCV1				W	12/20/16				
Chloride		PASS	7.372		7.37	98.0	90	110	mg/L	
CCB1	CCB1				W	12/20/16				
Chloride		PASS	0.000		0.000			+/-0.0750	mg/L	
LB84958BLW	LB84958BLW				W	12/20/16				
Chloride		PASS	0.000		0.000			+/-0.0750	mg/L	
LB84958BSW	LB84958BSW				W	12/20/16				
Chloride		PASS	7.388		7.39	99.0	90	110	mg/L	
H6103-05	LOD-WATER-05-QT1-2017			1	W	12/20/16				
Chloride		PASS	0.041		0.041				mg/L	
H6103-06	LOQ-WATER-06-QT1-2017				W	12/20/16				
Chloride		PASS	0.312		0.31	103.0	50	150	mg/L	
CCV2	CCV2				W	12/20/16				
Chloride		PASS	7.401		7.40	99.0	90	110	mg/L	
CCB2	CCB2				W	12/20/16				
Chloride		PASS	0.000		0.000			+/-0.0750	mg/L	

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Parameter			PPB		Final Conc	%Rec	Method	Method				Line 2
Fluoride												
STD1	STD1				W	12/19/16						
Fluoride		PASS	0.000		0.000						mg/L	
STD2	STD2				W	12/19/16						
Fluoride		PASS	0.308		0.308						mg/L	
STD3	STD3				W	12/19/16						
Fluoride		PASS	0.491		0.491						mg/L	
STD4	STD4				W	12/19/16						
Fluoride		PASS	0.847		0.847						mg/L	
STD5	STD5				W	12/19/16						
Fluoride		PASS	1.940		1.94						mg/L	
STD6	STD6				W	12/19/16						
Fluoride		PASS	3.885		3.88						mg/L	
STD7	STD7				W	12/19/16						
Fluoride		PASS	4.615		4.62						mg/L	
STD8	STD8				W	12/19/16						
Fluoride		PASS	10.215		10.2						mg/L	
ICV1	ICV1				W	12/19/16						
Fluoride		PASS	4.649		4.65	93.0	90	110			mg/L	
ICB1	ICB1				W	12/19/16						
Fluoride		PASS	0.000		0.000			+/-0.0430			mg/L	
CCV1	CCV1				W	12/20/16						
Fluoride		PASS	4.858		4.86	97.0	90	110			mg/L	
CCB1	CCB1				W	12/20/16						
Fluoride		PASS	0.000		0.000			+/-0.0430			mg/L	
LB84958BLW	LB84958BLW				W	12/20/16						
Fluoride		PASS	0.000		0.000			+/-0.0430			mg/L	
LB84958BSW	LB84958BSW				W	12/20/16						
Fluoride		PASS	4.779		4.78	96.0	90	110			mg/L	
H6103-05	LOD-WATER-05-QT1-2017			1	W	12/20/16						
Fluoride		PASS	0.093		0.093						mg/L	
H6103-06	LOQ-WATER-06-QT1-2017				W	12/20/16						
Fluoride		PASS	0.241		0.24	120.0	50	150			mg/L	
CCV2	CCV2				W	12/20/16						
Fluoride		PASS	4.947		4.95	99.0	90	110			mg/L	
CCB2	CCB2				W	12/20/16						
Fluoride		PASS	0.000		0.000			+/-0.0430			mg/L	

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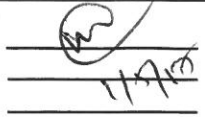
Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep	Analysis		Line 1
Parameter			PPB		Final Conc	%Rec	Method	Method		Line 2
Nitrate										
STD1	STD1				W	12/19/16				
Nitrate		PASS	0.000		0.000					mg/L
STD2	STD2				W	12/19/16				
Nitrate		PASS	0.331		0.331					mg/L
STD3	STD3				W	12/19/16				
Nitrate		PASS	0.616		0.616					mg/L
STD4	STD4				W	12/19/16				
Nitrate		PASS	0.971		0.971					mg/L
STD5	STD5				W	12/19/16				
Nitrate		PASS	2.142		2.14					mg/L
STD6	STD6				W	12/19/16				
Nitrate		PASS	4.251		4.25					mg/L
STD7	STD7				W	12/19/16				
Nitrate		PASS	5.347		5.35					mg/L
STD8	STD8				W	12/19/16				
Nitrate		PASS	11.541		11.5					mg/L
ICV1	ICV1				W	12/19/16				
Nitrate		PASS	6.051		6.05	97.0	90	110		mg/L
ICB1	ICB1				W	12/19/16				
Nitrate		PASS	0.000		0.000			+/-0.0270		mg/L
CCV1	CCV1				W	12/20/16				
Nitrate		PASS	5.493		5.49	97.0	90	110		mg/L
CCB1	CCB1				W	12/20/16				
Nitrate		PASS	0.000		0.000			+/-0.0270		mg/L
LB84958BLW	LB84958BLW				W	12/20/16				
Nitrate		PASS	0.000		0.000			+/-0.0270		mg/L
LB84958BSW	LB84958BSW				W	12/20/16				
Nitrate		PASS	6.146		6.15	98.0	90	110		mg/L
H6103-05	LOD-WATER-05-QT1-2017			1	W	12/20/16				
Nitrate		PASS	0.052		0.052					mg/L
H6103-06	LOQ-WATER-06-QT1-2017				W	12/20/16				
Nitrate		PASS	0.268		0.27	108.0	50	150		mg/L
CCV2	CCV2				W	12/20/16				
Nitrate		PASS	5.583		5.58	99.0	90	110		mg/L
CCB2	CCB2				W	12/20/16				
Nitrate		PASS	0.000		0.000			+/-0.0270		mg/L

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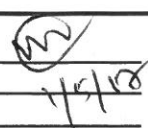


Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep	Analysis		Line 1
Parameter			PPB		Final Conc	%Rec	Method	Method		Line 2
Nitrite										
STD1	STD1				W	12/19/16				
Nitrite		PASS	0.000		0.000					mg/L
STD2	STD2				W	12/19/16				
Nitrite		PASS	0.386		0.386					mg/L
STD3	STD3				W	12/19/16				
Nitrite		PASS	0.762		0.762					mg/L
STD4	STD4				W	12/19/16				
Nitrite		PASS	1.274		1.27					mg/L
STD5	STD5				W	12/19/16				
Nitrite		PASS	2.901		2.90					mg/L
STD6	STD6				W	12/19/16				
Nitrite		PASS	5.805		5.80					mg/L
STD7	STD7				W	12/19/16				
Nitrite		PASS	7.329		7.33					mg/L
STD8	STD8				W	12/19/16				
Nitrite		PASS	15.455		15.5					mg/L
ICV1	ICV1				W	12/19/16				
Nitrite		PASS	7.352		7.35	98.0	90	110		mg/L
ICB1	ICB1				W	12/19/16				
Nitrite		PASS	0.000		0.000			+/-0.0220		mg/L
CCV1	CCV1				W	12/20/16				
Nitrite		PASS	7.558		7.56	99.0	90	110		mg/L
CCB1	CCB1				W	12/20/16				
Nitrite		PASS	0.000		0.000			+/-0.0220		mg/L
LB84958BLW	LB84958BLW				W	12/20/16				
Nitrite		PASS	0.000		0.000			+/-0.0220		mg/L
LB84958BSW	LB84958BSW				W	12/20/16				
Nitrite		PASS	7.422		7.42	99.0	90	110		mg/L
H6103-05	LOD-WATER-05-QT1-2017			1	W	12/20/16				
Nitrite		PASS	0.082		0.082					mg/L
H6103-06	LOQ-WATER-06-QT1-2017				W	12/20/16				
Nitrite		PASS	0.355		0.36	120.0	50	150		mg/L
CCV2	CCV2				W	12/20/16				
Nitrite		PASS	7.601		7.60	100.0	90	110		mg/L
CCB2	CCB2				W	12/20/16				
Nitrite		PASS	0.000		0.000			+/-0.0220		mg/L

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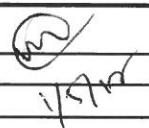
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Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep	Analysis		Line 1
Parameter			PPB		Final Conc	%Rec	Method	Method		Line 2
Ortho Phosphate										
STD1	STD1				W	12/19/16				
Ortho Phosphate		PASS	0.000		0.000					mg/L
STD2	STD2				W	12/19/16				
Ortho Phosphate		PASS	0.285		0.285					mg/L
STD3	STD3				W	12/19/16				
Ortho Phosphate		PASS	1.157		1.16					mg/L
STD4	STD4				W	12/19/16				
Ortho Phosphate		PASS	2.057		2.06					mg/L
STD5	STD5				W	12/19/16				
Ortho Phosphate		PASS	4.821		4.82					mg/L
STD6	STD6				W	12/19/16				
Ortho Phosphate		PASS	9.910		9.91					mg/L
STD7	STD7				W	12/19/16				
Ortho Phosphate		PASS	11.261		11.3					mg/L
STD8	STD8				W	12/19/16				
Ortho Phosphate		PASS	24.488		24.5					mg/L
ICV1	ICV1				W	12/19/16				
Ortho Phosphate		PASS	11.501		11.50	92.0	90	110		mg/L
ICB1	ICB1				W	12/19/16				
Ortho Phosphate		PASS	0.000		0.000			+/-0.0100		mg/L
CCV1	CCV1				W	12/20/16				
Ortho Phosphate		PASS	12.146		12.10	100.0	90	110		mg/L
CCB1	CCB1				W	12/20/16				
Ortho Phosphate		PASS	0.000		0.000			+/-0.0100		mg/L
LB84958BLW	LB84958BLW				W	12/20/16				
Ortho Phosphate		PASS	0.000		0.000			+/-0.0100		mg/L
LB84958BSW	LB84958BSW				W	12/20/16				
Ortho Phosphate		PASS	12.498		12.50	100.0	90	110		mg/L
H6103-05	LOD-WATER-05-QT1-2017			1	W	12/20/16				
Ortho Phosphate		PASS	-0.118		-0.118					mg/L
H6103-06	LOQ-WATER-06-QT1-2017				W	12/20/16				
Ortho Phosphate		PASS	0.331		0.33	66.0	50	150		mg/L
CCV2	CCV2				W	12/20/16				
Ortho Phosphate		PASS	12.553		12.60	104.0	90	110		mg/L
CCB2	CCB2				W	12/20/16				
Ortho Phosphate		PASS	0.000		0.000			+/-0.0100		mg/L

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Parameter			PPB		Final Conc	%Rec	Method	Method		Line 2
Sulfate										
STD1	STD1				W	12/19/16				
Sulfate		PASS	0.000		0.000					mg/L
STD2	STD2				W	12/19/16				
Sulfate		PASS	2.472		2.47					mg/L
STD3	STD3				W	12/19/16				
Sulfate		PASS	4.201		4.20					mg/L
STD4	STD4				W	12/19/16				
Sulfate		PASS	6.489		6.49					mg/L
STD5	STD5				W	12/19/16				
Sulfate		PASS	14.075		14.1					mg/L
STD6	STD6				W	12/19/16				
Sulfate		PASS	27.937		27.9					mg/L
STD7	STD7				W	12/19/16				
Sulfate		PASS	35.311		35.3					mg/L
STD8	STD8				W	12/19/16				
Sulfate		PASS	76.765		76.8					mg/L
ICV1	ICV1				W	12/19/16				
Sulfate		PASS	36.264		36.30	97.0	90	110		mg/L
ICB1	ICB1				W	12/19/16				
Sulfate		PASS	0.000		0.000			+/-0.1320		mg/L
CCV1	CCV1				W	12/20/16				
Sulfate		PASS	36.011		36.00	96.0	90	110		mg/L
CCB1	CCB1				W	12/20/16				
Sulfate		PASS	0.000		0.000			+/-0.1320		mg/L
LB84958BLW	LB84958BLW				W	12/20/16				
Sulfate		PASS	0.000		0.000			+/-0.1320		mg/L
LB84958BSW	LB84958BSW				W	12/20/16				
Sulfate		PASS	36.867		36.90	98.0	90	110		mg/L
H6103-05	LOD-WATER-05-QT1-2017			1	W	12/20/16				
Sulfate		PASS	0.484		0.484					mg/L
H6103-06	LOQ-WATER-06-QT1-2017				W	12/20/16				
Sulfate		PASS	1.777		1.78	119.0	50	150		mg/L
CCV2	CCV2				W	12/20/16				
Sulfate		PASS	36.439		36.40	97.0	90	110		mg/L
CCB2	CCB2				W	12/20/16				
Sulfate		PASS	0.000		0.000			+/-0.1320		mg/L