



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267

Bay Area: 6398 Dougherty Rd., Suite 35, Dublin, CA 94568 • Phone: (925) 828-6226 • Fax: (925) 828-6309

Central Valley: 9090 Union Park Way, Suite 113, Elk Grove, CA 95624 • Phone: (916) 686-5190 • Fax: (916) 686-5192

ELAP Certificates 1551, 2728, and 2922

27 May 2015

West Bay Sanitary District

Attn: Mark Praturlon

500 Laurel Street

Menlo Park, CA 94025

RE: Reclaimed Study

Work Order: 15E1021

Enclosed are the results of analyses for samples received by the laboratory on 05/11/15 22:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette L. Poplin For Robbie C. Phillips
Project Manager



Alpha Analytical Laboratories Inc.

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CHEMICAL EXAMINATION REPORT

Page 1 of 14

West Bay Sanitary District
500 Laurel Street
Menlo Park, CA 94025
Attn: Mark Praturlon

Report Date: 05/27/15 16:12
Project No: -
Project ID: Reclaimed Study

Order Number

15E1021

Receipt Date/Time

05/11/2015 22:50

Client Code

WESTBAY

Client PO/Reference

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
050815-A Alpine Rd.	15E1021-01	Water	05/08/15 00:00	05/11/15 22:50
050915-A Alpine Rd.	15E1021-02	Water	05/09/15 00:00	05/11/15 22:50
051015-A Alpine Rd.	15E1021-03	Water	05/10/15 00:00	05/11/15 22:50
050815-B Sand Hill Rd.	15E1021-04	Water	05/08/15 00:00	05/11/15 22:50
050915-B Sand Hill Rd.	15E1021-05	Water	05/09/15 00:00	05/11/15 22:50
051015-B	15E1021-06	Water	05/10/15 00:00	05/11/15 22:50



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	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
050815-A Alpine Rd. (15E1021-01)								
			Sample Type: Water		Sampled: 05/08/15 00:00			
Metals by EPA 200 Series Methods								
Boron	EPA 200.7	AE51854	05/18/15 12:42	05/20/15 16:33	1	0.22 mg/L	0.050	
Calcium	"	"	"	"	"	23 "	1.0	
Magnesium	"	"	"	"	"	6.2 "	1.0	
Sodium	"	"	"	"	"	67 "	1.0	
Conventional Chemistry Parameters by APHA/EPA Methods								
Ammonia as NH3	SM4500NH3C	AE51510	05/15/15 08:00	05/15/15 17:00	1	46 mg/L	0.50	
Biochemical Oxygen Demand	SM5210B	AE51326	05/13/15 08:00	05/18/15 09:00	"	360 "	5.0	T-5
Total Dissolved Solids	SM2540C	AE51329	05/13/15 10:00	05/15/15 08:45	"	370 "	10	
Total Suspended Solids	SM2540D	AE51351	05/13/15 11:05	05/15/15 07:45	"	330 "	1.0	
Silica	SM4500-SiO2 C	AE51362	05/13/15 14:00	05/13/15 16:45	"	17 "	1.0	
Total Kjeldahl Nitrogen	SM4500-Norg B	AE52233	05/26/15 07:46	05/26/15 15:12	"	64 "	1.0	
Total Nitrogen	SM4500-N	AE51501	05/15/15 05:34	05/27/15 07:22	"	64 "	1.0	
Phosphorus, total	SM4500-P E	AE51926	05/19/15 08:00	05/19/15 10:39	5	7.3 "	2.0	
Anions by EPA Method 300.0								
Chloride	EPA 300.0	AE51138	05/12/15 16:30	05/12/15 16:30	10	91 mg/L	5.0	
Nitrate as N	"	"	05/12/15 16:46	05/12/15 16:46	1	ND "	0.20	T-2
Nitrite as N	"	"	"	"	"	ND "	0.20	T-2
050915-A Alpine Rd. (15E1021-02)								
			Sample Type: Water		Sampled: 05/09/15 00:00			
Metals by EPA 200 Series Methods								
Boron	EPA 200.7	AE51854	05/18/15 12:42	05/20/15 16:37	1	0.18 mg/L	0.050	
Calcium	"	"	"	"	"	11 "	1.0	
Magnesium	"	"	"	"	"	5.6 "	1.0	
Sodium	"	"	"	"	"	51 "	1.0	



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	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
050915-A Alpine Rd. (15E1021-02)			Sample Type: Water		Sampled: 05/09/15 00:00			
Conventional Chemistry Parameters by APHA/EPA Methods								
Ammonia as NH3	SM4500NH3C	AE51510	05/15/15 08:00	05/15/15 17:00	1	43 mg/L	0.50	
Biochemical Oxygen Demand	SM5210B	AE51326	05/13/15 08:00	05/18/15 09:00	"	360 "	5.0	T-5
Total Dissolved Solids	SM2540C	AE51329	05/13/15 10:00	05/15/15 08:45	"	310 "	10	
Total Suspended Solids	SM2540D	AE51351	05/13/15 11:05	05/15/15 07:45	"	240 "	1.0	
Silica	SM4500-SiO2 C	AE51362	05/13/15 14:00	05/13/15 16:45	"	19 "	1.0	
Total Kjeldahl Nitrogen	SM4500-Norg B	AE52233	05/26/15 07:46	05/26/15 15:12	"	46 "	1.0	
Total Nitrogen	SM4500-N	AE51501	05/15/15 05:34	05/27/15 07:22	"	46 "	1.0	
Phosphorus, total	SM4500-P E	AE51926	05/19/15 08:00	05/19/15 10:39	5	5.9 "	2.0	
Anions by EPA Method 300.0								
Chloride	EPA 300.0	AE51138	05/12/15 17:03	05/12/15 17:03	10	49 mg/L	5.0	
Nitrate as N	"	"	05/12/15 17:19	05/12/15 17:19	1	ND "	0.20	T-2
Nitrite as N	"	"	"	"	"	ND "	0.20	T-2
051015-A Alpine Rd. (15E1021-03)			Sample Type: Water		Sampled: 05/10/15 00:00			
Metals by EPA 200 Series Methods								
Boron	EPA 200.7	AE51854	05/18/15 12:42	05/20/15 16:42	1	0.27 mg/L	0.050	
Calcium	"	"	"	"	"	27 "	1.0	
Magnesium	"	"	"	"	"	7.5 "	1.0	
Sodium	"	"	"	"	"	70 "	1.0	
Conventional Chemistry Parameters by APHA/EPA Methods								
Ammonia as NH3	SM4500NH3C	AE51510	05/15/15 08:00	05/15/15 17:00	1	61 mg/L	0.50	
Biochemical Oxygen Demand	SM5210B	AE51326	05/13/15 08:00	05/18/15 09:00	"	600 "	5.0	T-5
Total Dissolved Solids	SM2540C	AE51329	05/13/15 10:00	05/15/15 08:45	"	410 "	10	
Total Suspended Solids	SM2540D	AE51351	05/13/15 11:05	05/15/15 07:45	"	690 "	1.0	
Silica	SM4500-SiO2 C	AE51362	05/13/15 14:00	05/13/15 16:45	"	19 "	1.0	
Total Kjeldahl Nitrogen	SM4500-Norg B	AE52233	05/26/15 07:46	05/26/15 15:12	"	87 "	1.0	
Total Nitrogen	SM4500-N	AE51501	05/15/15 05:34	05/27/15 07:22	"	87 "	1.0	
Phosphorus, total	SM4500-P E	AE51926	05/19/15 08:00	05/19/15 10:39	5	10 "	2.0	



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West Bay Sanitary District
500 Laurel Street
Menlo Park, CA 94025
Attn: Mark Praturlon

Report Date: 05/27/15 16:12
Project No: -
Project ID: Reclaimed Study

Order Number
15E1021

Receipt Date/Time
05/11/2015 22:50

Client Code
WESTBAY

Client PO/Reference

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
051015-A Alpine Rd. (15E1021-03)			Sample Type: Water		Sampled: 05/10/15 00:00			
Anions by EPA Method 300.0								
Chloride	EPA 300.0	AE51138	05/12/15 17:36	05/12/15 17:36	10	83 mg/L	5.0	
Nitrate as N	"	"	05/12/15 18:25	05/12/15 18:25	1	ND "	0.20	T-2
Nitrite as N	"	"	"	"	"	ND "	0.20	T-2
050815-B Sand Hill Rd. (15E1021-04)			Sample Type: Water		Sampled: 05/08/15 00:00			
Metals by EPA 200 Series Methods								
Boron	EPA 200.7	AE51854	05/18/15 12:42	05/20/15 16:46	1	0.16 mg/L	0.050	
Calcium	"	"	"	"	"	15 "	1.0	
Magnesium	"	"	"	"	"	9.7 "	1.0	
Sodium	"	"	"	"	"	41 "	1.0	
Conventional Chemistry Parameters by APHA/EPA Methods								
Ammonia as NH3	SM4500NH3C	AE51510	05/15/15 08:00	05/15/15 17:00	1	60 mg/L	0.50	
Biochemical Oxygen Demand	SM5210B	AE51326	05/13/15 08:00	05/18/15 09:00	"	390 "	5.0	T-5
Total Dissolved Solids	SM2540C	AE51329	05/13/15 10:00	05/15/15 08:45	"	350 "	10	
Total Suspended Solids	SM2540D	AE51351	05/13/15 11:05	05/15/15 07:45	"	340 "	1.0	
Silica	SM4500-SiO2 C	AE51362	05/13/15 14:00	05/13/15 16:45	"	18 "	1.0	
Total Kjeldahl Nitrogen	SM4500-Norg B	AE52233	05/26/15 07:46	05/26/15 15:12	"	83 "	1.0	
Total Nitrogen	SM4500-N	AE51501	05/15/15 05:34	05/27/15 07:22	"	83 "	1.0	
Phosphorus, total	SM4500-P E	AE51926	05/19/15 08:00	05/19/15 10:39	5	7.9 "	2.0	
Anions by EPA Method 300.0								
Chloride	EPA 300.0	AE51138	05/12/15 18:41	05/12/15 18:41	10	42 mg/L	5.0	
Nitrate as N	"	"	05/12/15 18:58	05/12/15 18:58	1	ND "	0.20	T-2
Nitrite as N	"	"	"	"	"	ND "	0.20	T-2
050915-B Sand Hill Rd. (15E1021-05)			Sample Type: Water		Sampled: 05/09/15 00:00			
Metals by EPA 200 Series Methods								
Boron	EPA 200.7	AE51854	05/18/15 12:42	05/20/15 16:51	1	0.18 mg/L	0.050	
Calcium	"	"	"	"	"	23 "	1.0	
Magnesium	"	"	"	"	"	7.1 "	1.0	
Sodium	"	"	"	"	"	78 "	1.0	



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Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
050915-B Sand Hill Rd. (15E1021-05)			Sample Type: Water		Sampled: 05/09/15 00:00			
Conventional Chemistry Parameters by APHA/EPA Methods								
Ammonia as NH3	SM4500NH3C	AE51510	05/15/15 08:00	05/15/15 17:00	1	63 mg/L	0.50	
Biochemical Oxygen Demand	SM5210B	AE51326	05/13/15 08:00	05/18/15 09:00	"	280 "	5.0	T-5
Total Dissolved Solids	SM2540C	AE51329	05/13/15 10:00	05/15/15 08:45	"	460 "	10	
Total Suspended Solids	SM2540D	AE51351	05/13/15 11:05	05/15/15 07:45	"	330 "	1.0	
Silica	SM4500-SiO2 C	AE51362	05/13/15 14:00	05/13/15 16:45	"	17 "	1.0	
Total Kjeldahl Nitrogen	SM4500-Norg B	AE52233	05/26/15 07:46	05/27/15 09:11	"	69 "	1.0	
Total Nitrogen	SM4500-N	AE51501	05/15/15 05:34	05/27/15 15:32	"	69 "	1.0	
Phosphorus, total	SM4500-P E	AE51926	05/19/15 08:00	05/19/15 10:39	5	6.8 "	2.0	
Anions by EPA Method 300.0								
Chloride	EPA 300.0	AE51138	05/12/15 19:14	05/12/15 19:14	10	120 mg/L	5.0	
Nitrate as N	"	"	05/12/15 19:30	05/12/15 19:30	1	ND "	0.20	T-2
Nitrite as N	"	"	"	"	"	ND "	0.20	T-2
051015-B (15E1021-06)			Sample Type: Water		Sampled: 05/10/15 00:00			
Metals by EPA 200 Series Methods								
Boron	EPA 200.7	AE51854	05/18/15 12:42	05/22/15 14:13	1	0.15 mg/L	0.050	
Calcium	"	"	"	"	"	15 "	1.0	
Magnesium	"	"	"	"	"	6.4 "	1.0	
Sodium	"	"	"	"	"	61 "	1.0	
Conventional Chemistry Parameters by APHA/EPA Methods								
Ammonia as NH3	SM4500NH3C	AE51510	05/15/15 08:00	05/15/15 17:00	1	43 mg/L	0.50	
Biochemical Oxygen Demand	SM5210B	AE51326	05/13/15 08:00	05/18/15 09:00	"	410 "	5.0	T-5
Total Dissolved Solids	SM2540C	AE51329	05/13/15 10:00	05/15/15 08:45	"	340 "	10	
Total Suspended Solids	SM2540D	AE51351	05/13/15 11:05	05/15/15 07:45	"	330 "	1.0	
Silica	SM4500-SiO2 C	AE51362	05/13/15 14:00	05/13/15 16:45	"	20 "	1.0	
Total Kjeldahl Nitrogen	SM4500-Norg B	AE52233	05/26/15 07:46	05/27/15 09:11	"	53 "	1.0	
Total Nitrogen	SM4500-N	AE51501	05/15/15 05:34	05/27/15 15:32	"	53 "	1.0	
Phosphorus, total	SM4500-P E	AE51926	05/19/15 08:00	05/19/15 10:39	5	6.2 "	2.0	



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051015-B (15E1021-06)	Sample Type: Water				Sampled: 05/10/15 00:00			
Anions by EPA Method 300.0								
Chloride	EPA 300.0	AE51138	05/12/15 19:47	05/12/15 19:47	10	56 mg/L	5.0	
Nitrate as N	"	"	05/12/15 20:03	05/12/15 20:03	1	ND "	0.20	T-2
Nitrite as N	"	"	"	"	"	ND "	0.20	T-2



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Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AE51854 - Metals Digest										
Blank (AE51854-BLK1)				Prepared: 05/18/15 Analyzed: 05/19/15						
Boron	ND	0.050	mg/L							
Calcium	ND	1.0	"							
Magnesium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (AE51854-BS1)				Prepared: 05/18/15 Analyzed: 05/20/15						
Boron	0.447	0.050	mg/L	0.400		112	85-115			
Calcium	8.21	1.0	"	8.00		103	85-115			
Magnesium	8.33	1.0	"	8.00		104	85-115			
Sodium	8.18	1.0	"	8.00		102	85-115			
Duplicate (AE51854-DUP1)				Source: 15E1468-01		Prepared: 05/18/15 Analyzed: 05/20/15				
Boron	0.146	0.050	mg/L		0.136			6.64	20	
Calcium	30.8	1.0	"		29.9			2.94	20	
Magnesium	9.22	1.0	"		7.84			16.1	20	
Sodium	28.9	1.0	"		31.7			9.13	20	
Matrix Spike (AE51854-MS1)				Source: 15E1468-01		Prepared: 05/18/15 Analyzed: 05/20/15				
Boron	0.556	0.050	mg/L	0.400	0.136	105	70-130			
Calcium	38.6	1.0	"	8.00	29.9	109	70-130			
Magnesium	14.2	1.0	"	8.00	7.84	79.9	70-130			
Sodium	36.3	1.0	"	8.00	31.7	58.0	70-130			QM-4X
Matrix Spike (AE51854-MS2)				Source: 15E1012-01		Prepared: 05/18/15 Analyzed: 05/20/15				
Boron	1.43	0.050	mg/L	0.400	1.03	99.5	70-130			
Calcium	27.4	1.0	"	8.00	20.9	81.0	70-130			
Magnesium	13.4	1.0	"	8.00	7.51	74.1	70-130			
Sodium	121	1.0	"	8.00	126	NR	70-130			QM-4X



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Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AE51854 - Metals Digest										
Matrix Spike Dup (AE51854-MSD1)		Source: 15E1468-01		Prepared: 05/18/15 Analyzed: 05/20/15						
Boron	0.539	0.050	mg/L	0.400	0.136	101	70-130	3.08	20	
Calcium	36.5	1.0	"	8.00	29.9	81.9	70-130	5.72	20	
Magnesium	13.6	1.0	"	8.00	7.84	72.4	70-130	4.28	20	
Sodium	34.9	1.0	"	8.00	31.7	40.5	70-130	3.93	20	QM-4X



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500 Laurel Street
Menlo Park, CA 94025
Attn: Mark Praturlon

Report Date: 05/27/15 16:12
Project No: -
Project ID: Reclaimed Study

Order Number
15E1021

Receipt Date/Time
05/11/2015 22:50

Client Code
WESTBAY

Client PO/Reference

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AE51326 - General Preparation										
Blank (AE51326-BLK1)				Prepared: 05/13/15 Analyzed: 05/18/15						
Biochemical Oxygen Demand	ND	5.0	mg/L							
Blank (AE51326-BLK2)				Prepared: 05/13/15 Analyzed: 05/18/15						
Biochemical Oxygen Demand	ND	5.0	mg/L							
LCS (AE51326-BS1)				Prepared: 05/13/15 Analyzed: 05/18/15						
Biochemical Oxygen Demand	196	5.0	mg/L	200		98.0	84-115			
Duplicate (AE51326-DUP1)				Source: 15E1081-01		Prepared: 05/13/15 Analyzed: 05/18/15				
Biochemical Oxygen Demand	399	5.0	mg/L		410			2.72	30	
Batch AE51329 - General Preparation										
Blank (AE51329-BLK1)				Prepared: 05/13/15 Analyzed: 05/15/15						
Total Dissolved Solids	ND	10	mg/L							
Duplicate (AE51329-DUP1)				Source: 15E1016-01		Prepared: 05/13/15 Analyzed: 05/15/15				
Total Dissolved Solids	400	10	mg/L		384			4.08	15	
Batch AE51351 - General Preparation										
Blank (AE51351-BLK1)				Prepared: 05/13/15 Analyzed: 05/15/15						
Total Suspended Solids	ND	1.0	mg/L							
Duplicate (AE51351-DUP1)				Source: 15E1021-04		Prepared: 05/13/15 Analyzed: 05/15/15				
Total Suspended Solids	406	1.0	mg/L		344			16.5	30	



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Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AE51351 - General Preparation										
Duplicate (AE51351-DUP2)		Source: 15E1043-03		Prepared: 05/13/15 Analyzed: 05/15/15						
Total Suspended Solids	476	1.0	mg/L		438			8.32	30	
Batch AE51362 - General Preparation										
Blank (AE51362-BLK1)		Prepared & Analyzed: 05/13/15								
Silica	ND	1.0	mg/L							
LCS (AE51362-BS1)		Prepared & Analyzed: 05/13/15								
Silica	10.3	1.0	mg/L	10.0		103	80-120			
LCS Dup (AE51362-BSD1)		Prepared & Analyzed: 05/13/15								
Silica	10.4	1.0	mg/L	10.0		104	80-120	1.59	15	
Duplicate (AE51362-DUP1)		Source: 15E1021-02		Prepared & Analyzed: 05/13/15						
Silica	19.6	1.0	mg/L		19.4			1.27	20	
Matrix Spike (AE51362-MS1)		Source: 15E1021-02		Prepared & Analyzed: 05/13/15						
Silica	23.3	1.0	mg/L	5.00	19.4	77.7	85-115			QM-05
Matrix Spike Dup (AE51362-MSD1)		Source: 15E1021-02		Prepared & Analyzed: 05/13/15						
Silica	23.4	1.0	mg/L	5.00	19.4	80.1	85-115	0.531	15	QM-05
Batch AE51510 - General Preparation										
Blank (AE51510-BLK1)		Prepared & Analyzed: 05/15/15								
Ammonia as NH3	ND	0.50	mg/L							



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Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AE51510 - General Preparation										
LCS (AE51510-BS1)				Prepared & Analyzed: 05/15/15						
Ammonia as NH3	5.85	0.50	mg/L	6.10		96.0	90-110			
LCS Dup (AE51510-BSD1)				Prepared & Analyzed: 05/15/15						
Ammonia as NH3	5.96	0.50	mg/L	6.10		97.7	90-110	1.81	10	
Matrix Spike (AE51510-MS1)				Source: 15E1174-03		Prepared & Analyzed: 05/15/15				
Ammonia as NH3	11.7	0.50	mg/L	12.2	ND	96.0	85-115			
Matrix Spike Dup (AE51510-MSD1)				Source: 15E1174-03		Prepared & Analyzed: 05/15/15				
Ammonia as NH3	11.5	0.50	mg/L	12.2	ND	94.2	85-115	1.84	20	
Batch AE51926 - General Prep										
Blank (AE51926-BLK1)				Prepared & Analyzed: 05/19/15						
Phosphorus, total	ND	0.040	mg/L							
LCS (AE51926-BS1)				Prepared & Analyzed: 05/19/15						
Phosphorus, total	0.199	0.040	mg/L	0.200		99.7	85-115			
Duplicate (AE51926-DUP1)				Source: 15E0822-01		Prepared & Analyzed: 05/19/15				
Phosphorus, total	12.8	2.0	mg/L		12.8			0.00	20	
Matrix Spike (AE51926-MS1)				Source: 15E0822-01		Prepared & Analyzed: 05/19/15				
Phosphorus, total	16.0	2.0	mg/L	2.00	12.8	157	70-130			QM-4X
Matrix Spike Dup (AE51926-MSD1)				Source: 15E0822-01		Prepared & Analyzed: 05/19/15				
Phosphorus, total	15.9	2.0	mg/L	2.00	12.8	153	70-130	0.417	20	QM-4X



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Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AE52233 - General Prep										
LCS (AE52233-BS1)				Prepared: 05/22/15 Analyzed: 05/26/15						
Total Kjeldahl Nitrogen	3.04	1.0	mg/L	2.98		102	80-120			
LCS Dup (AE52233-BS1)				Prepared: 05/22/15 Analyzed: 05/26/15						
Total Kjeldahl Nitrogen	3.04	1.0	mg/L	2.98		102	80-120	0.00	20	
Matrix Spike (AE52233-MS1)				Source: 15E1229-01		Prepared: 05/22/15 Analyzed: 05/26/15				
Total Kjeldahl Nitrogen	3.96	1.0	mg/L	2.98	1.14	94.8	75-125			
Matrix Spike Dup (AE52233-MS1)				Source: 15E1229-01		Prepared: 05/22/15 Analyzed: 05/26/15				
Total Kjeldahl Nitrogen	3.96	1.0	mg/L	2.98	1.14	94.8	75-125	0.00	20	



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Anions by EPA Method 300.0 - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AE51138 - General Preparation										
Blank (AE51138-BLK1)				Prepared & Analyzed: 05/12/15						
Nitrite as N	ND	0.20	mg/L							
Chloride	ND	0.50	"							
Nitrate as N	ND	0.20	"							
LCS (AE51138-BS1)				Prepared & Analyzed: 05/12/15						
Nitrate as N	5.51	0.20	mg/L	5.56		99.1	90-110			
Chloride	11.0	0.50	"	11.1		99.4	90-110			
Nitrite as N	5.43	0.20	"	5.56		97.8	90-110			
Duplicate (AE51138-DUP1)				Source: 15E0975-01		Prepared & Analyzed: 05/12/15				
Nitrate as N	ND	0.20	mg/L		ND				20	
Chloride	5.71	0.50	"		5.71			0.0175	20	
Nitrite as N	ND	0.20	"		ND				20	
Matrix Spike (AE51138-MS1)				Source: 15E0975-01		Prepared & Analyzed: 05/12/15				
Nitrate as N	5.61	0.20	mg/L	5.56	ND	101	80-120			
Chloride	17.2	0.50	"	11.1	5.71	103	80-120			
Nitrite as N	5.34	0.20	"	5.56	ND	96.1	80-120			
Matrix Spike (AE51138-MS2)				Source: 15E1028-01		Prepared & Analyzed: 05/13/15				
Nitrate as N	5.24	1.0	mg/L	5.56	ND	93.6	80-120			
Chloride	18.8	2.5	"	11.1	7.94	97.3	80-120			
Nitrite as N	5.24	1.0	"	5.56	ND	94.3	80-120			
Matrix Spike Dup (AE51138-MSD1)				Source: 15E0975-01		Prepared & Analyzed: 05/12/15				
Nitrate as N	5.62	0.20	mg/L	5.56	ND	101	80-120	0.139	20	
Chloride	17.2	0.50	"	11.1	5.71	103	80-120	0.129	20	
Nitrite as N	5.43	0.20	"	5.56	ND	97.7	80-120	1.69	20	



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Notes and Definitions

- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- T-2 Sample analyzed outside of recommended holding time per client.
- T-5 Sample prepared outside of recommended holding time per client.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- PQL Practical Quantitation Limit

- Silica – \$25
- Sodium – \$15
- Calcium – \$15
- Magnesium – \$15
- Total Dissolved Solids (TDS) – \$25
- Boron – \$15
- Chloride – \$25
- Total Nitrogen (TN) – \$100
- Ammonia – \$30
- Total Kjeldhal Nitrogen (TKN) – included with total nitrogen cost
- Total Phosphorous – \$30
- BOD – \$35
- TSS – \$25