



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

03 June 2015

West Bay Sanitary District

Attn: Mark Pratulon

500 Laurel Street

Menlo Park, CA 94025

RE: Reclaimed Study

Work Order: 15E1719

Enclosed are the results of analyses for samples received by the laboratory on 05/18/15 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



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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: 06/03/15 07:55
Project No: -
Project ID: Reclaimed Study

Order Number
15E1719

Receipt Date/Time
05/18/2015 22:50

Client Code
WESTBAY

Client PO/Reference

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
051615-A	15E1719-01	Water	05/16/15 00:00	05/18/15 22:50
051615-B	15E1719-02	Water	05/16/15 00:00	05/18/15 22:50
051715-A	15E1719-03	Water	05/17/15 00:00	05/18/15 22:50
051715-B	15E1719-04	Water	05/17/15 00:00	05/18/15 22:50
051815-A	15E1719-05	Water	05/18/15 00:00	05/18/15 22:50
051815-B	15E1719-06	Water	05/18/15 00:00	05/18/15 22:50



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	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
051615-A (15E1719-01)								
			Sample Type: Water		Sampled: 05/16/15 00:00			
Metals by EPA 200 Series Methods								
Boron	EPA 200.7	AE52640	05/26/15 09:43	06/01/15 14:17	1	0.26 mg/L	0.050	
Calcium	"	"	"	"	"	33 "	1.0	
Magnesium	"	"	"	"	"	7.8 "	1.0	
Sodium	"	"	"	"	"	83 "	1.0	
Conventional Chemistry Parameters by APHA/EPA Methods								
Ammonia as NH3	SM4500NH3C	AE52148	05/22/15 08:00	05/22/15 17:00	1	290 mg/L	0.50	
Biochemical Oxygen Demand	SM5210B	AE52026	05/20/15 09:00	05/25/15 14:30	"	970 "	5.0	T-5
Total Dissolved Solids	SM2540C	AE52029	05/20/15 10:00	05/26/15 13:00	"	460 "	10	
Total Suspended Solids	SM2540D	AE52033	05/20/15 14:00	05/22/15 17:00	"	1500 "	1.0	
Silica	SM4500-SiO2 C	AE52143	05/21/15 15:00	05/21/15 17:30	"	21 "	1.0	
Total Kjeldahl Nitrogen	SM4500-Norg B	AE52811	05/29/15 07:57	06/01/15 09:00	"	82 "	1.0	
Total Nitrogen	SM4500-N	AE52835	05/28/15 11:19	06/01/15 16:30	"	82 "	1.0	
Phosphorus, total	SM4500-P E	AE52904	05/29/15 08:30	05/29/15 10:50	5	10 "	2.0	
Anions by EPA Method 300.0								
Chloride	EPA 300.0	AE51945	05/19/15 17:48	05/19/15 17:48	10	81 mg/L	5.0	
Nitrate as N	"	"	05/19/15 18:05	05/19/15 18:05	1	ND "	0.20	T-2
Nitrite as N	"	"	"	"	"	ND "	0.20	T-2
051615-B (15E1719-02)								
			Sample Type: Water		Sampled: 05/16/15 00:00			
Metals by EPA 200 Series Methods								
Boron	EPA 200.7	AE52640	05/26/15 09:43	06/01/15 14:21	1	0.18 mg/L	0.050	
Calcium	"	"	"	"	"	21 "	1.0	
Magnesium	"	"	"	"	"	8.4 "	1.0	
Sodium	"	"	"	"	"	54 "	1.0	



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051615-B (15E1719-02)			Sample Type: Water		Sampled: 05/16/15 00:00			
Conventional Chemistry Parameters by APHA/EPA Methods								
Ammonia as NH3	SM4500NH3C	AE52148	05/22/15 08:00	05/22/15 17:00	1	150 mg/L	0.50	
Biochemical Oxygen Demand	SM5210B	AE52026	05/20/15 09:00	05/25/15 14:30	"	370 "	5.0	T-5
Total Dissolved Solids	SM2540C	AE52029	05/20/15 10:00	05/26/15 13:00	"	370 "	10	
Total Suspended Solids	SM2540D	AE52033	05/20/15 14:00	05/22/15 17:00	"	280 "	1.0	
Silica	SM4500-SiO2 C	AE52143	05/21/15 15:00	05/21/15 17:30	"	18 "	1.0	
Total Kjeldahl Nitrogen	SM4500-Norg B	AE52811	05/29/15 07:57	06/01/15 09:00	"	60 "	1.0	
Total Nitrogen	SM4500-N	AE52835	05/28/15 11:19	06/01/15 16:30	"	60 "	1.0	
Phosphorus, total	SM4500-P E	AE52904	05/29/15 08:30	05/29/15 10:50	2	6.3 "	0.80	
Anions by EPA Method 300.0								
Chloride	EPA 300.0	AE51945	05/19/15 18:21	05/19/15 18:21	10	61 mg/L	5.0	
Nitrate as N	"	"	05/19/15 18:37	05/19/15 18:37	1	ND "	0.20	T-2
Nitrite as N	"	"	"	"	"	ND "	0.20	T-2
051715-A (15E1719-03)			Sample Type: Water		Sampled: 05/17/15 00:00			
Metals by EPA 200 Series Methods								
Boron	EPA 200.7	AE52640	05/26/15 09:43	06/01/15 14:25	1	0.29 mg/L	0.050	
Calcium	"	"	"	"	"	30 "	1.0	
Magnesium	"	"	"	"	"	7.9 "	1.0	
Sodium	"	"	"	"	"	80 "	1.0	
Conventional Chemistry Parameters by APHA/EPA Methods								
Ammonia as NH3	SM4500NH3C	AE52148	05/22/15 08:00	05/22/15 17:00	1	160 mg/L	0.50	
Biochemical Oxygen Demand	SM5210B	AE52026	05/20/15 09:00	05/25/15 14:30	"	440 "	5.0	T-5
Total Dissolved Solids	SM2540C	AE52029	05/20/15 10:00	05/26/15 13:00	"	440 "	10	
Total Suspended Solids	SM2540D	AE52033	05/20/15 14:00	05/22/15 17:00	"	410 "	1.0	
Silica	SM4500-SiO2 C	AE52143	05/21/15 15:00	05/21/15 17:30	"	19 "	1.0	
Total Kjeldahl Nitrogen	SM4500-Norg B	AE52811	05/29/15 07:57	06/01/15 09:00	"	69 "	1.0	
Total Nitrogen	SM4500-N	AE52835	05/28/15 11:19	06/01/15 16:30	"	69 "	1.0	
Phosphorus, total	SM4500-P E	AE52904	05/29/15 08:30	05/29/15 10:50	5	7.6 "	2.0	



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Menlo Park, CA 94025
Attn: Mark Praturlon

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15E1719

Receipt Date/Time
05/18/2015 22:50

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	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
051715-A (15E1719-03)			Sample Type: Water		Sampled: 05/17/15 00:00			
Anions by EPA Method 300.0								
Chloride	EPA 300.0	AE51945	05/19/15 18:54	05/19/15 18:54	10	80 mg/L	5.0	
Nitrate as N	"	"	05/19/15 19:10	05/19/15 19:10	1	ND "	0.20	T-2
Nitrite as N	"	"	"	"	"	ND "	0.20	T-2
051715-B (15E1719-04)			Sample Type: Water		Sampled: 05/17/15 00:00			
Metals by EPA 200 Series Methods								
Boron	EPA 200.7	AE52640	05/26/15 09:43	06/01/15 14:30	1	0.31 mg/L	0.050	
Calcium	"	"	"	"	"	20 "	1.0	
Magnesium	"	"	"	"	"	16 "	1.0	
Sodium	"	"	"	"	"	110 "	1.0	
Conventional Chemistry Parameters by APHA/EPA Methods								
Ammonia as NH3	SM4500NH3C	AE52148	05/22/15 08:00	05/22/15 17:00	1	58 mg/L	0.50	
Biochemical Oxygen Demand	SM5210B	AE52026	05/20/15 09:00	05/25/15 14:30	"	460 "	5.0	T-5
Total Dissolved Solids	SM2540C	AE52029	05/20/15 10:00	05/26/15 13:00	"	540 "	10	
Total Suspended Solids	SM2540D	AE52033	05/20/15 14:00	05/22/15 17:00	"	380 "	1.0	
Silica	SM4500-SiO2 C	AE52143	05/21/15 15:00	05/21/15 17:30	"	22 "	1.0	
Total Kjeldahl Nitrogen	SM4500-Norg B	AE52811	05/29/15 07:57	06/01/15 09:00	"	81 "	1.0	
Total Nitrogen	SM4500-N	AE52835	05/28/15 11:19	06/01/15 16:30	"	81 "	1.0	
Phosphorus, total	SM4500-P E	AE52904	05/29/15 08:30	05/29/15 10:50	5	8.4 "	2.0	
Anions by EPA Method 300.0								
Chloride	EPA 300.0	AE51945	05/19/15 19:27	05/19/15 19:27	10	57 mg/L	5.0	
Nitrate as N	"	"	05/19/15 19:43	05/19/15 19:43	1	ND "	0.20	T-2
Nitrite as N	"	"	"	"	"	ND "	0.20	T-2
051815-A (15E1719-05)			Sample Type: Water		Sampled: 05/18/15 00:00			
Metals by EPA 200 Series Methods								
Boron	EPA 200.7	AE52640	05/26/15 09:43	06/01/15 14:34	1	0.23 mg/L	0.050	
Calcium	"	"	"	"	"	30 "	1.0	
Magnesium	"	"	"	"	"	8.3 "	1.0	
Sodium	"	"	"	"	"	75 "	1.0	



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	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
051815-A (15E1719-05)			Sample Type: Water		Sampled: 05/18/15 00:00			
Conventional Chemistry Parameters by APHA/EPA Methods								
Ammonia as NH3	SM4500NH3C	AE52148	05/22/15 08:00	05/22/15 17:00	1	58 mg/L	0.50	T-5
Biochemical Oxygen Demand	SM5210B	AE52026	05/20/15 09:00	05/25/15 14:30	"	1500 "	5.0	
Total Dissolved Solids	SM2540C	AE52029	05/20/15 10:00	05/26/15 13:00	"	450 "	10	
Total Suspended Solids	SM2540D	AE52033	05/20/15 14:00	05/22/15 17:00	"	3300 "	1.0	
Silica	SM4500-SiO2 C	AE52143	05/21/15 15:00	05/21/15 17:30	"	17 "	1.0	
Total Kjeldahl Nitrogen	SM4500-Norg B	AE52811	05/29/15 07:57	06/01/15 10:43	"	85 "	1.0	
Total Nitrogen	SM4500-N	AE52835	05/28/15 11:19	06/01/15 16:30	"	86 "	1.0	
Phosphorus, total	SM4500-P E	AE52904	05/29/15 08:30	05/29/15 10:50	5	12 "	2.0	
Anions by EPA Method 300.0								
Chloride	EPA 300.0	AE51945	05/19/15 20:32	05/19/15 20:32	10	67 mg/L	5.0	
Nitrate as N	"	"	05/19/15 20:48	05/19/15 20:48	1	ND "	0.20	
Nitrite as N	"	"	"	"	"	ND "	0.20	
051815-B (15E1719-06)			Sample Type: Water		Sampled: 05/18/15 00:00			
Metals by EPA 200 Series Methods								
Boron	EPA 200.7	AE52640	05/26/15 09:43	06/01/15 14:38	1	0.25 mg/L	0.050	
Calcium	"	"	"	"	"	17 "	1.0	
Magnesium	"	"	"	"	"	12 "	1.0	
Sodium	"	"	"	"	"	53 "	1.0	
Conventional Chemistry Parameters by APHA/EPA Methods								
Ammonia as NH3	SM4500NH3C	AE52148	05/22/15 08:00	05/22/15 17:00	1	54 mg/L	0.50	T-5
Biochemical Oxygen Demand	SM5210B	AE52026	05/20/15 09:00	05/25/15 14:30	"	280 "	5.0	
Total Dissolved Solids	SM2540C	AE52029	05/20/15 10:00	05/26/15 13:00	"	360 "	10	
Total Suspended Solids	SM2540D	AE52033	05/20/15 14:00	05/22/15 17:00	"	250 "	1.0	
Silica	SM4500-SiO2 C	AE52143	05/21/15 15:00	05/21/15 17:30	"	18 "	1.0	
Total Kjeldahl Nitrogen	SM4500-Norg B	AE52811	05/29/15 07:57	06/01/15 10:43	"	44 "	1.0	
Total Nitrogen	SM4500-N	AE52835	05/28/15 11:19	06/01/15 16:30	"	44 "	1.0	
Phosphorus, total	SM4500-P E	AE52904	05/29/15 08:30	05/29/15 10:50	2	5.3 "	0.80	



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051815-B (15E1719-06)	Sample Type: Water			Sampled: 05/18/15 00:00				
Anions by EPA Method 300.0								
Chloride	EPA 300.0	AE51945	05/19/15 21:05	05/19/15 21:05	10	46 mg/L	5.0	
Nitrate as N	"	"	05/19/15 21:21	05/19/15 21:21	1	ND "	0.20	
Nitrite as N	"	"	"	"	"	ND "	0.20	



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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 AE52640 - Metals Digest										
Blank (AE52640-BLK1)				Prepared: 05/26/15 Analyzed: 05/27/15						
Boron	ND	0.050	mg/L							
Calcium	ND	1.0	"							
Magnesium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (AE52640-BS1)				Prepared: 05/26/15 Analyzed: 05/27/15						
Boron	0.393	0.050	mg/L	0.400		98.4	85-115			
Calcium	7.18	1.0	"	8.00		89.8	85-115			
Magnesium	7.31	1.0	"	8.00		91.4	85-115			
Sodium	7.50	1.0	"	8.00		93.7	85-115			
Duplicate (AE52640-DUP1)				Source: 15E1726-02		Prepared: 05/26/15 Analyzed: 05/27/15				
Boron	0.102	0.050	mg/L		0.0913			10.8	20	
Calcium	30.6	1.0	"		31.0			1.39	20	
Magnesium	12.4	1.0	"		13.2			5.94	20	
Sodium	522	1.0	"		546			4.47	20	
Matrix Spike (AE52640-MS1)				Source: 15E1726-02		Prepared: 05/26/15 Analyzed: 05/27/15				
Boron	0.464	0.050	mg/L	0.400	0.0913	93.3	70-130			
Calcium	38.0	1.0	"	8.00	31.0	86.6	70-130			
Magnesium	19.5	1.0	"	8.00	13.2	79.0	70-130			
Sodium	543	1.0	"	8.00	546	NR	70-130			QM-4X
Matrix Spike (AE52640-MS2)				Source: 15E1740-01		Prepared: 05/26/15 Analyzed: 05/27/15				
Boron	0.645	0.050	mg/L	0.400	0.353	73.1	70-130			
Calcium	122	1.0	"	8.00	115	79.6	70-130			
Magnesium	88.0	1.0	"	8.00	86.4	19.9	70-130			QM-4X
Sodium	227	1.0	"	8.00	214	159	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 AE52640 - Metals Digest										
Matrix Spike Dup (AE52640-MSD1)		Source: 15E1726-02		Prepared: 05/26/15 Analyzed: 05/27/15						
Boron	0.390	0.050	mg/L	0.400	0.0913	74.6	70-130	17.5	20	
Calcium	33.2	1.0	"	8.00	31.0	27.2	70-130	13.3	20	QM-01
Magnesium	17.0	1.0	"	8.00	13.2	47.4	70-130	13.9	20	QM-01
Sodium	489	1.0	"	8.00	546	NR	70-130	10.6	20	QM-4X



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CHEMICAL EXAMINATION REPORT

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

Report Date: 06/03/15 07:55
Project No: -
Project ID: Reclaimed Study

Order Number
15E1719

Receipt Date/Time
05/18/2015 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 AE52026 - General Preparation										
Blank (AE52026-BLK1)				Prepared: 05/20/15 Analyzed: 05/25/15						
Biochemical Oxygen Demand	ND	5.0	mg/L							
LCS (AE52026-BS1)				Prepared: 05/21/15 Analyzed: 05/26/15						
Biochemical Oxygen Demand	210	5.0	mg/L	200		105	84-115			
Duplicate (AE52026-DUP1)				Source: 15E1719-01		Prepared: 05/20/15 Analyzed: 05/25/15				
Biochemical Oxygen Demand	720	5.0	mg/L		970			29.6	30	
Batch AE52029 - General Preparation										
Blank (AE52029-BLK1)				Prepared: 05/20/15 Analyzed: 05/26/15						
Total Dissolved Solids	ND	10	mg/L							
Duplicate (AE52029-DUP1)				Source: 15E1705-01		Prepared: 05/20/15 Analyzed: 05/26/15				
Total Dissolved Solids	532	10	mg/L		592			10.7	15	
Duplicate (AE52029-DUP2)				Source: 15E1709-05		Prepared: 05/20/15 Analyzed: 05/26/15				
Total Dissolved Solids	1010	10	mg/L		1120			9.77	15	
Batch AE52033 - General Preparation										
Blank (AE52033-BLK1)				Prepared: 05/20/15 Analyzed: 05/22/15						
Total Suspended Solids	ND	1.0	mg/L							
Duplicate (AE52033-DUP1)				Source: 15E1719-02		Prepared: 05/20/15 Analyzed: 05/22/15				
Total Suspended Solids	264	1.0	mg/L		276			4.44	30	



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Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AE52033 - General Preparation										
Duplicate (AE52033-DUP2)		Source: 15E1719-06		Prepared: 05/20/15 Analyzed: 05/22/15						
Total Suspended Solids	238	1.0	mg/L		254			6.50	30	
Batch AE52143 - General Preparation										
Blank (AE52143-BLK1)		Prepared & Analyzed: 05/21/15								
Silica	ND	1.0	mg/L							
LCS (AE52143-BS1)		Prepared & Analyzed: 05/21/15								
Silica	10.6	1.0	mg/L	10.0		106	80-120			
LCS Dup (AE52143-BSD1)		Prepared & Analyzed: 05/21/15								
Silica	10.5	1.0	mg/L	10.0		105	80-120	0.396	15	
Duplicate (AE52143-DUP1)		Source: 15E1806-01		Prepared & Analyzed: 05/21/15						
Silica	56.9	5.0	mg/L		57.3			0.733	20	
Matrix Spike (AE52143-MS1)		Source: 15E1806-01		Prepared & Analyzed: 05/21/15						
Silica	79.2	25	mg/L	25.0	57.3	87.8	85-115			
Matrix Spike Dup (AE52143-MSD1)		Source: 15E1806-01		Prepared & Analyzed: 05/21/15						
Silica	80.0	25	mg/L	25.0	57.3	90.9	85-115	0.965	15	
Batch AE52148 - General Preparation										
Blank (AE52148-BLK1)		Prepared & Analyzed: 05/22/15								
Ammonia as NH3	ND	0.50	mg/L							



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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 AE52148 - General Preparation										
LCS (AE52148-BS1)				Prepared & Analyzed: 05/22/15						
Ammonia as NH3	5.96	0.50	mg/L	6.10		97.7	90-110			
LCS Dup (AE52148-BS1)				Prepared & Analyzed: 05/22/15						
Ammonia as NH3	6.17	0.50	mg/L	6.10		101	90-110	3.49	10	
Batch AE52811 - General Prep										
LCS (AE52811-BS1)				Prepared & Analyzed: 05/28/15						
Total Kjeldahl Nitrogen	3.04	1.0	mg/L	2.98		102	80-120			
LCS Dup (AE52811-BS1)				Prepared & Analyzed: 05/28/15						
Total Kjeldahl Nitrogen	3.04	1.0	mg/L	2.98		102	80-120	0.00	20	
Matrix Spike (AE52811-MS1)				Source: 15E1503-02		Prepared & Analyzed: 05/28/15				
Total Kjeldahl Nitrogen	43.4	1.0	mg/L	22.6	19.6	105	75-125			
Matrix Spike Dup (AE52811-MS1)				Source: 15E1503-02		Prepared & Analyzed: 05/28/15				
Total Kjeldahl Nitrogen	44.1	1.0	mg/L	22.6	19.6	108	75-125	1.60	20	
Batch AE52904 - General Prep										
Blank (AE52904-BLK1)				Prepared & Analyzed: 05/29/15						
Phosphorus, total	ND	0.040	mg/L							
LCS (AE52904-BS1)				Prepared & Analyzed: 05/29/15						
Phosphorus, total	0.198	0.040	mg/L	0.200		98.8	85-115			



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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 AE52904 - General Prep										
Duplicate (AE52904-DUP1)		Source: 15E1418-02		Prepared & Analyzed: 05/29/15						
Phosphorus, total	0.120	0.040	mg/L		0.120			0.00	20	
Matrix Spike (AE52904-MS1)		Source: 15E1418-02		Prepared & Analyzed: 05/29/15						
Phosphorus, total	0.301	0.040	mg/L	0.200	0.120	90.5	70-130			
Matrix Spike (AE52904-MS2)		Source: 15E1347-01		Prepared & Analyzed: 05/29/15						
Phosphorus, total	11.9	2.0	mg/L	2.00	8.95	146	70-130			QM-4X
Matrix Spike Dup (AE52904-MSD1)		Source: 15E1418-02		Prepared & Analyzed: 05/29/15						
Phosphorus, total	0.300	0.040	mg/L	0.200	0.120	89.8	70-130	0.442	20	



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CHEMICAL EXAMINATION REPORT

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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 AE51945 - General Preparation										
Blank (AE51945-BLK1)				Prepared & Analyzed: 05/19/15						
Nitrite as N	ND	0.20	mg/L							
Chloride	ND	0.50	"							
Nitrate as N	ND	0.20	"							
LCS (AE51945-BS1)				Prepared & Analyzed: 05/19/15						
Nitrite as N	5.59	0.20	mg/L	5.56		101	90-110			
Nitrate as N	5.39	0.20	"	5.56		97.0	90-110			
Chloride	10.9	0.50	"	11.1		98.2	90-110			
Duplicate (AE51945-DUP1)				Source: 15E1661-01		Prepared & Analyzed: 05/19/15				
Chloride	7.58	0.50	mg/L		7.58			0.0792	20	
Nitrate as N	1.36	0.20	"		1.36			0.150	20	
Nitrite as N	ND	0.20	"		ND				20	
Matrix Spike (AE51945-MS1)				Source: 15E1661-01		Prepared & Analyzed: 05/19/15				
Nitrate as N	7.06	0.20	mg/L	5.56	1.36	103	80-120			
Chloride	18.6	0.50	"	11.1	7.58	99.6	80-120			
Nitrite as N	1.93	0.20	"	5.56	ND	34.7	80-120			QM-05
Matrix Spike (AE51945-MS2)				Source: 15E1669-01		Prepared & Analyzed: 05/19/15				
Chloride	13.5	0.50	mg/L	11.1	2.53	98.4	80-120			
Nitrate as N	5.42	0.20	"	5.56	ND	96.4	80-120			
Nitrite as N	5.57	0.20	"	5.56	ND	100	80-120			
Matrix Spike Dup (AE51945-MSD1)				Source: 15E1661-01		Prepared & Analyzed: 05/19/15				
Chloride	18.7	0.50	mg/L	11.1	7.58	99.7	80-120	0.0476	20	
Nitrite as N	3.45	0.20	"	5.56	ND	62.1	80-120	56.6	20	QM-05
Nitrate as N	7.06	0.20	"	5.56	1.36	103	80-120	0.0213	20	



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Notes and Definitions

- QM-01 The spike recovery for this QC sample is outside of established control limits possibly due to a sample matrix interference.
- 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

work order

Chain of Custody Record

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9090 Union Park Wy., #113, Elk Grove, CA 95624
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WATERS, SEDIMENTS, SOLIDS

Lab No. 15E1719 Page of

Company/Name: West Bay Sanitary District		Project ID: Reclaimed Water Study		Signature below authorizes work under terms stated on reverse side.										Sample Notes		TAT			
Mailing Address:		Project No:												24 hr <input type="radio"/>		48 hr <input type="radio"/>			
Project Contact & Email (Hardcopy or PDF to): Mark Praturion mpraturion@westbaysanitary.org		PO#												Lab Approval Required		1 wk <input type="radio"/>		2 wk (standard) <input type="radio"/>	
Phone/Fax:		Site Contact:												Lab Approval Required For Rush					
Field Sampler - Print Name & Signature	Sample Identification	Date	Time	Sampling			Container			Preservative			Matrix			Analysis Request	Sample Notes	TAT	
				40ml Vial	Poly	Glass	Sieve	Other	HCL	HNO3	H2SO4	Other	None	Water	Soil				Other
	051615-A	5/16	24hr																
	051615-B	5/16	24hr																
	051715-A	5/17	24hr																
	051715-B	5/17	24hr																
	051815-A	5/18	24hr																
	051815-B	5/18	24hr																
Relinquished by:				Received by:				Date: 5/18/15				Time: 1330				CDPH Write On EDT Report? Yes <input type="radio"/> No <input type="radio"/>			
Relinquished by:				Received by:				Date: 5/18/15				Time: 2010				State System Number			
Relinquished by:				Received by:				Date: 5/18/15				Time: 2130				CA Geotracker EDT Report Yes <input type="radio"/> No <input type="radio"/>			
Relinquished by:				Received by:				Date: 5/18/15				Time: 2130				Sampling Company Log Code			
Relinquished by:				Received by:				Date: 5/18/15				Time: 2130				Global ID: EDT to (Email Address)			
Relinquished by:				Received by:				Date: 5/18/15				Time: 2130				Travel and Site Time: Mileage: Misc. Supplies:			

- 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