Apex Companies, LLC
944 McCourtney Road, Suite H • Grass Valley, CA 95949
P: (530) 272-4200 • F: (530) 272-4211

July 8, 2016

Andrew Altevogt
Assistant Executive Officer
Central Valley Regional Water Quality Control Board
Central Valley Region
11020 Sun Center Drive, Suite 200
Rancho Cordova, CA 95670

Attn: Charlene Herbst
Email: Charlene.herbst@waterboards.ca.gov
Phone: (916) 464-4724

Subject: **Data Submission**
13267 Order dated January 15, 2016, CMC Land Holdings LLC, 4207 West Linwood Avenue, Turlock, Stanislaus County, California

Dear Mr. Altevogt:

On behalf of CMC Land Holdings LLC (CMC), The Source Group Inc., a division of Apex Companies, LLC (SGI/Apex) has prepared this Data Submission to provide results of recently collected data for the dairy facility located at 4207 Linwood Avenue, Turlock, Stanislaus County, California (Site). This Data Submission includes a copy of the certified laboratory analytical reports for the May 11, May 25, and June 8, 2016 sampling events and updated table and figure summarizing the results. This Data Submission has been prepared in response to the January 15, 2016 Central Valley Regional Water Quality Control Board (RWQCB) correspondence entitled *California Water Code Section 13267 Order – Directives for Submitting Documentation Pertaining Wastewater Discharge on 20 November 2015 and Mitigation Measures at CMC Landholdings LLC, 4207 W. Linwood Avenue, Turlock, Stanislaus County.*

Recommendations

A review of analytical data from domestic wells on W. Linwood Ave. as provided on Table 1 indicates that concentrations of Nitrate as N appear to be stable in groundwater. Continued routine sampling of the domestic wells on W. Linwood Ave. on a biweekly basis does not appear to be warranted. SGI requests that the monitoring, sampling, and reporting be completed on a semi-annual basis. Results of the semi-annual monitoring and sampling of the domestic wells on W. Linwood Ave. will be summarized in a report and submitted to the RWQCB within 45 days of receipt of laboratory analytical reports.

Certification:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Sincerely,

The Source Group, Inc.

Greg McIver
Principal Scientist

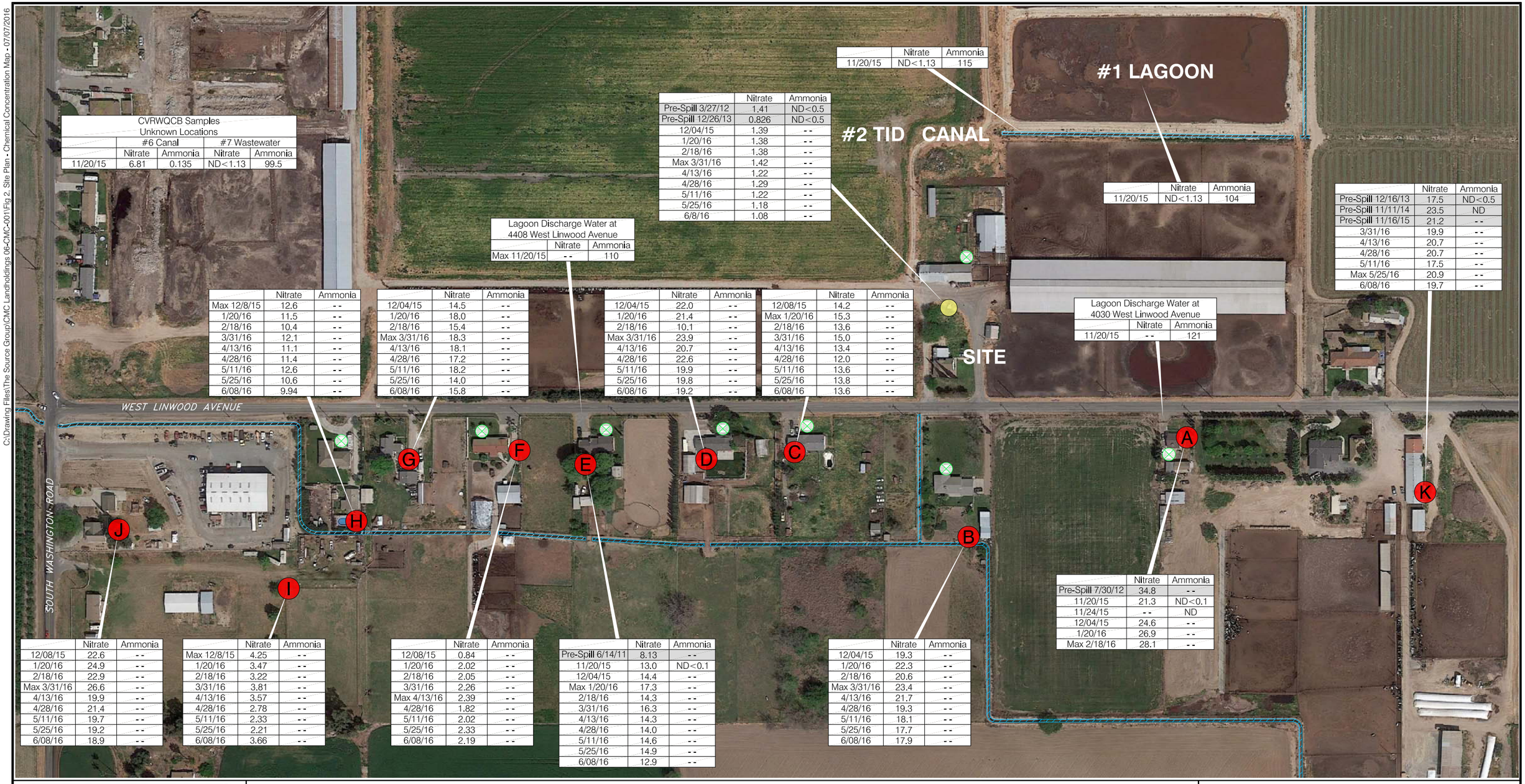
Jing Heisler, PG, CHG
Senior Geologist

Attachments:

Figure 2 – Site Plan and Chemical Concentration
Table 1 – Wastewater Discharge Related Analytical Results
Attachment A – Laboratory Analytical Reports

FIGURE

C:\Drawing Files\The Source Group\CMC Landholdings 06-CMC-001\Fig 2. Site Plan - Chemical Concentration Map - 07/07/2016



CVRWQCB Samples Unknown Locations				
	#6 Canal		#7 Wastewater	
	Nitrate	Ammonia	Nitrate	Ammonia
11/20/15	6.81	0.135	ND<1.13	99.5

	Nitrate	Ammonia
11/20/15	ND<1.13	115

	Nitrate	Ammonia
Pre-Spill 3/27/12	1.41	ND<0.5
Pre-Spill 12/26/13	0.826	ND<0.5
12/04/15	1.39	- -
1/20/16	1.38	- -
2/18/16	1.38	- -
Max 3/31/16	1.42	- -
4/13/16	1.22	- -
4/28/16	1.29	- -
5/11/16	1.22	- -
5/25/16	1.18	- -
6/8/16	1.08	- -

	Nitrate	Ammonia
11/20/15	ND<1.13	104

	Nitrate	Ammonia
Pre-Spill 12/16/13	17.5	ND<0.5
Pre-Spill 11/11/14	23.5	ND
Pre-Spill 11/16/15	21.2	- -
3/31/16	19.9	- -
4/13/16	20.7	- -
4/28/16	20.7	- -
5/11/16	17.5	- -
Max 5/25/16	20.9	- -
6/08/16	19.7	- -

Lagoon Discharge Water at 4408 West Linwood Avenue		
	Nitrate	Ammonia
Max 11/20/15	- -	110

Lagoon Discharge Water at 4030 West Linwood Avenue		
	Nitrate	Ammonia
11/20/15	- -	121

	Nitrate	Ammonia
Max 12/8/15	12.6	- -
1/20/16	11.5	- -
2/18/16	10.4	- -
3/31/16	12.1	- -
4/13/16	11.1	- -
4/28/16	11.4	- -
5/11/16	12.6	- -
5/25/16	10.6	- -
6/08/16	9.94	- -

	Nitrate	Ammonia
12/04/15	14.5	- -
1/20/16	18.0	- -
2/18/16	15.4	- -
Max 3/31/16	18.3	- -
4/13/16	18.1	- -
4/28/16	17.2	- -
5/11/16	18.2	- -
5/25/16	14.0	- -
6/08/16	15.8	- -

	Nitrate	Ammonia
12/04/15	22.0	- -
1/20/16	21.4	- -
2/18/16	10.1	- -
Max 3/31/16	23.9	- -
4/13/16	20.7	- -
4/28/16	22.6	- -
5/11/16	19.9	- -
5/25/16	19.8	- -
6/08/16	19.2	- -

	Nitrate	Ammonia
12/08/15	14.2	- -
Max 1/20/16	15.3	- -
2/18/16	13.6	- -
3/31/16	15.0	- -
4/13/16	13.4	- -
4/28/16	12.0	- -
5/11/16	13.6	- -
5/25/16	13.8	- -
6/08/16	13.6	- -

	Nitrate	Ammonia
Pre-Spill 7/30/12	34.8	- -
11/20/15	21.3	ND<0.1
11/24/15	- -	ND
12/04/15	24.6	- -
1/20/16	26.9	- -
Max 2/18/16	28.1	- -

	Nitrate	Ammonia
12/08/15	22.6	- -
1/20/16	24.9	- -
2/18/16	22.9	- -
Max 3/31/16	26.6	- -
4/13/16	19.9	- -
4/28/16	21.4	- -
5/11/16	19.7	- -
5/25/16	19.2	- -
6/08/16	18.9	- -

	Nitrate	Ammonia
Max 12/8/15	4.25	- -
1/20/16	3.47	- -
2/18/16	3.22	- -
3/31/16	3.81	- -
4/13/16	3.57	- -
4/28/16	2.78	- -
5/11/16	2.33	- -
5/25/16	2.21	- -
6/08/16	3.66	- -

	Nitrate	Ammonia
12/08/15	0.84	- -
1/20/16	2.02	- -
2/18/16	2.05	- -
3/31/16	2.26	- -
Max 4/13/16	2.39	- -
4/28/16	1.82	- -
5/11/16	2.02	- -
5/25/16	2.33	- -
6/08/16	2.19	- -

	Nitrate	Ammonia
Pre-Spill 6/14/11	8.13	- -
11/20/15	13.0	ND<0.1
12/04/15	14.4	- -
Max 1/20/16	17.3	- -
2/18/16	14.3	- -
3/31/16	16.3	- -
4/13/16	14.3	- -
4/28/16	14.0	- -
5/11/16	14.6	- -
5/25/16	14.9	- -
6/08/16	12.9	- -

	Nitrate	Ammonia
12/04/15	19.3	- -
1/20/16	22.3	- -
2/18/16	20.6	- -
Max 3/31/16	23.4	- -
4/13/16	21.7	- -
4/28/16	19.3	- -
5/11/16	18.1	- -
5/25/16	17.7	- -
6/08/16	17.9	- -

SGI environmental
APEX

944 McCOURTNEY ROAD, SUITE H
GRASS VALLEY, CALIFORNIA 95949

0 200 400
APPROXIMATE SCALE IN FEET

LEGEND

- 4207 W. Linwood Avenue, Turlock, California (Site)
- A 4030 W. Linwood Avenue, Turlock, California
- B 4200 W. Linwood Avenue, Turlock, California
- C 4230 W. Linwood Avenue, Turlock, California
- D 4318 W. Linwood Avenue, Turlock, California
- E 4406 and 4408 W. Linwood Avenue, Turlock, California
- F 4500 W. Linwood Avenue, Turlock, California
- G 4530 W. Linwood Avenue, Turlock, California
- H 4600 W. Linwood Avenue, Turlock, California
- I 1600 S. Washington Road, Turlock, California
- J 1624 S. Washington Road, Turlock, California
- K 3928 W. Linwood Avenue, Turlock, California
- Turlock Irrigation District (TID) Canal
- Approximate Septic Tank Location

NOTES:

- Designates pre-spill sample concentrations
- Approximate well locations are identified by the address indicator (A)
- Water and sewer services not available in map area. Private properties are assumed to be on septic system.
- Max = Maximum concentration detected post discharge
- Nitrate = Nitrate as Nitrogen
- Amonia = Ammonia Nitrogen
- - - = Not Sampled
- ND = Not Detected
- Concentrations in milligrams per liter (mg/L)

N

SITE PLAN AND CHEMICAL CONCENTRATION MAP

SOUTH WASHINGTON ROAD AND
WEST LINWOOD AVENUE
TURLOCK, CALIFORNIA

PROJECT NO.:	DATE:	DRAWN BY:	APP. BY:	FIGURE
06-CMC-001	07/07/2016	CM	GM	2

TABLE

Exhibit 23

Table 1
Wastewater Discharge Related Analytical Results
CMC Landholdings, LLC
Turlock, California

Sample Address	Sample Date	Depth to Water (btoc)	Nitrate as N	Ammonia Nitrogen (NH4-N)	Total Dissolved Solids	EC	TKN	Total Nitrogen	E. Coli	Total Coliform	Soluble Salts	Phosphorus	Potassium	Calcium	Magnesium	Sodium	Chloride	Sulfate as SO4	Bicarbonate Alkalinity as CaCO3	Bicarbonate as HCO3	Carbonate Alkalinity as CaCO3	Carbonate as CO3	Hydroxide Alkalinity as CaCO3	Hydroxide as OH	Total Alkalinity as CaCO3
		feet	mg/L			(µmhos/cm)	(mg/L)		(MPN)		ppm	mg/L													
CVRWQCB ExcelChem Data																									
#1 Lagoon	11/20/15	--	ND<1.13	104	--	4551	--	--	--	--	--	5.9	--	--	--	--	--	--	--	--	--	--	--	--	--
#2 TID Canal South @ Lagoon	11/20/15	--	ND<1.13	115	--	4,617	--	--	--	--	--	4.3	--	--	--	--	--	--	--	--	--	--	--	--	--
#3 Harding/praire flower	11/20/15	--	9.45	8.53	--	1,220	--	--	--	--	--	8.3	--	--	--	--	--	--	--	--	--	--	--	--	--
#4 Harding/praire flower	11/20/15	--	1.21	52.8	--	2,502	--	--	--	--	--	6.2	--	--	--	--	--	--	--	--	--	--	--	--	--
#5 Harding/praire flower	11/20/15	--	4.6	35.3	--	1,720	--	--	--	--	--	7	--	--	--	--	--	--	--	--	--	--	--	--	--
#6 Canal	11/20/15	--	6.81	0.135	--	1,708	--	--	--	--	--	ND<0.15	--	--	--	--	--	--	--	--	--	--	--	--	--
#7 Wastewater	11/20/15	--	ND<1.13	99.5	--	4,465	--	--	--	--	--	4.4	--	--	--	--	--	--	--	--	--	--	--	--	--
#8 Wellwater (4406 W. Linwood Ave.) (Data also included with corresponding address below)	11/20/15	--	13	ND<0.1	2,786	1,393	--	--	--	--	--	ND<0.15	--	--	--	--	--	--	--	--	--	--	--	--	--
#9 Wellwater (4030 W. Linwood Ave.) (Data also included with corresponding address below)	11/20/15	--	21.3	ND<0.1	2,246	1,123	--	--	Present	--	--	0.19	--	--	--	--	--	--	--	--	--	--	--	--	--
CVRWQCB Data																									
Lagoon Discharge Water at 4030 West Linwood	11/20/15	--	--	121	5,660	6,640	279	--	--	--	4,250	84.3	923	--	--	--	--	--	--	--	--	--	--	--	--
Lagoon Discharge Water at 4408 West Linwood	11/20/15	--	--	110	4,050	6,080	215	--	--	--	3,890	64.8	733	--	--	--	--	--	--	--	--	--	--	--	--
Domestic Well Monitoring Data																									
Dairy Well 4207 West Linwood Avenue (Site)	3/27/12*	--	1.41	ND<0.5	--	353	--	--	--	--	226	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/26/2013*	--	0.826	ND<0.5	--	200	--	--	--	--	128	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/04/15	43.35	1.39	--	131	--	--	--	Absent	Absent	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/20/16	43.35	1.38	--	192	--	--	--	Absent	Absent	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/18/16	Not Measured	1.38	--	230	--	--	--	Absent	Absent	--	--	--	20	1.3	31.3	36.1	14.7	91	111	ND<20	ND<12	ND<20	ND<6.8	91.0
	3/31/16	Not Measured	1.42	--	190	--	--	--	Absent	Absent	--	--	2.7	19	3.2	30.0	30.9	5.4	--	54.7	--	ND<12	--	ND<6.8	44.8
	04/13/16	Not Measured	1.22	--	200	--	--	--	Absent	Absent	--	--	2.7	19	3.2	30.2	20.9	4.4	--	112.0	--	ND<12	--	ND<6.8	92.0
	04/28/16	Not Measured	1.29	--	213	298.4	--	--	Absent	Present	--	--	2.8	20	3.4	30.2	25.7	4.5	--	109.0	--	ND<12	--	ND<6.8	89.4
	05/11/16	Not Measured	1.22	--	180	298.9	--	--	Absent	Absent	--	--	3.0	20	3.4	30.7	25.3	5.1	--	110.0	--	ND<12	--	ND<6.8	90.0
	05/25/16	Not Measured	1.18	--	185	296.6	--	--	Absent	Absent	--	--	2.9	18	3.1	28.9	26.3	4.3	--	106.0	--	ND<12	--	ND<6.8	87.0
	06/08/16	Not Measured	1.08	--	183	292.9	--	--	Absent	Absent	--	--	2.9	20	3.4	31.0	31.6	13.7	--	108.0	--	ND<12	--	ND<6.8	88.6
4030 West Linwood Avenue (A)	7/30/2012*	--	34.79	--	--	--	--	--	Absent	Present	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/20/15	--	21.3	ND<0.1	2,246	1,123	--	--	Present	--	--	0.19	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/24/15	--	--	ND	--	--	1.5	--	Present	Present	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/04/15	13.71	24.6	--	756	--	--	--	Absent	Present	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/20/16	13.71	26.9	--	892	--	--	--	Absent	Absent	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/18/16	Not Measured	28.1	--	797	--	--	--	Absent	Absent	--	--	--	110	33.6	97	47.8	69.5	388	473	ND<20	ND<12	ND<20	ND<6.8	388
4200 West Linwood Avenue (B)	12/04/15	Not Accessible	19.3	--	2,370	--	--	--	Absent	Absent	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/20/16	Not Accessible	22.3	--	841	--	--	--	Absent	Absent	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/18/16	15.05	20.6	--	855	--	--	--	Absent	Absent	--	--	--	130	36.3	106	109	86.4	366	446	ND<20	ND<12	ND<20	ND<6.8	366
	3/31/16	Not Measured	23.4	--	858	--	--	--	Absent	Absent	--	--	4.3	100	33.5	102	148	104	--	445	--	ND<12	--	ND<6.8	365
	04/13/16	Not Measured	21.7	--	823	--	--	--	Absent	Present	--	--	4.3	110	33.9	105	95	72.6	--	458	--	ND<12	--	ND<6.8	375
	04/28/16	Not Measured	19.3	--	865	1,344	--	--	Absent	Absent	--	--	4.4	110	33.9	111	112	77.0	--	452	--	ND<12	--	ND<6.8	371
	05/11/16	Not Measured	18.1	--	873	1,375	--	--	Absent	Absent	--	--	4.4	110	33.8	112	103	82.6	--	447	--	ND<12	--	ND<6.8	366
	05/25/16	Not Measured	17.7	--	870	1,423	--	--	Absent	Present	--	--	4.7	110	33.5	117	101	74.2	--	471	--	ND<12	--	ND<6.8	386
	06/08/16	Not Measured	17.9	--	887	1,380	--	--	Absent	Present	--	--	4.7	110	37.2	111	99	85.9	--	466	--	ND<12	--	ND<6.8	382
4230 West Linwood Avenue (C)	12/08/15	Not Accessible	14.2	--	825	--	--	--	Absent	Present	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/20/16	Not Accessible	15.3	--	911	--	--	--	Absent	Absent	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/18/16	Not Accessible	13.6	--	913	--	--	--	Absent	Absent	--	--	--	140	45.2	108	125	85.1	421	514	ND<20	ND<12	ND<20	ND<6.8	421
	3/31/16	Not Measured	15.00	--	885	--	--	--	Absent	Absent	--	--	4.4	110	39.1	105	177	114	--	508	--	ND<12	--	ND<6.8	416
	04/13/16	Not Measured	13.4	--	865	--	--	--	Absent	Present	--	--	4.2	120	38.6	106	108	76.2	--	512	--	ND<12	--	ND<6.8	420
	04/28/16	Not Measured	12.0	--	848	1,348	--	--	Absent	Absent	--	--	4.4	110	37.7	108	120	82.5	--	485	--	ND<12	--	ND<6.8	398
	05/11/16	Not Measured	13.60	--	823	1,371	--	--	Absent	Absent	--	--	4.5	110	39.0	105	106	86.7	--	485	--	ND<12	--	ND<6.8	397
	05/25/16	Not Measured	13.80	--	850	1,394	--	--	Absent	Absent	--	--	4.5	100	36.1	104	103	75.4	--	508	--	ND<12	--	ND<6.8	416
	06/08/116	Not Measured	13.60	--	921	1,439	--	--	Absent	Absent	--	--	4.6	120	42.7	111	114	89	--	508	--	ND<12	--	ND<6.8	416
4318 West Linwood Avenue (D)	12/04/15	Not Accessible	22	--	1,300	--	--	--	Absent	Absent	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/20/16	Not Accessible	21.4	--	1,210	--	--	--	Absent	Absent	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/18/16	Not Accessible	10.1	--	1,240	--	--	--	Absent	Absent	--	--	--	190	62.0	149	209	114	582	710	ND<20	ND<12	ND<20	ND<6.8	582
	3/31/16	Not Measured	23.9	--	1,230	--	--	--	Absent	Absent	--	--	4.5	150	52.7	145	280	141	--	651	--	ND<12	--	ND<6.8	534
	04/13/16	Not Measured	20.7	--	1,210	--	--	--	Absent	Absent	--	--	4.5	160	52.9	144	183	97.9	--	683	--	ND<12	--	ND<6.8	560
	04/28/16	Not Measured	22.6	--	1,220	1,895	--	--	Absent	Absent	--	--	4.6	160	51.7	148	201	105.0	--	675	--	ND<12	--	ND<6.8	554
	05/11/16	Not Measured	19.9	--	1,180	1,894	--	--	Absent	Absent	--	--	3.9	26	5.7	23.9	174	110.0	--	655	--	ND<12	--	ND<6.8	537
	05/25/16	Not Measured	19.8	--	1,170	1,909	--	--	Absent	Absent	--	--	4.6	140	48.5	139.0	165	94.7	--	670	--	ND<12	--	ND<6.8	549
	06/08/16	Not Measured	19.2	--	1,190	1,888	--	--	Absent	Absent	--	--	4.6	150	54.0	140.0	171	105.0	--	651	--	ND<12	--	ND<6.8	534

Exhibit 23

Table 1
Wastewater Discharge Related Analytical Results
CMC Landholdings, LLC
Turlock, California

Sample Address	Sample Date	Depth to Water (btoc)	Nitrate as N	Ammonia Nitrogen (NH4-N)	Total Dissolved Solids	EC	TKN	Total Nitrogen	E. Coli	Total Coliform	Soluble Salts	Phosphorus	Potassium	Calcium	Magnesium	Sodium	Chloride	Sulfate as SO4	Bicarbonate Alkalinity as CaCO3	Bicarbonate as HCO3	Carbonate Alkalinity as CaCO3	Carbonate as CO3	Hydroxide Alkalinity as CaCO3	Hydroxide as OH	Total Alkalinity as CaCO3
4406 West Linwood Avenue (E)	6/14/11*	--	8.13	--	--	--	--	--	--	Absent	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/20/15	--	13.0	ND<0.1	2,786	1,393	--	--	--	--	--	ND<0.15	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/04/15	14.35	14.4	--	903	--	--	--	Absent	Absent	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/20/16	14.35	17.3	--	936	--	--	--	Absent	Absent	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/18/16	Not Measured	14.3	--	928	--	--	--	Absent	Absent	--	--	--	130	42.2	112	121	80.1	456	556	ND<20	ND<12	ND<20	ND<6.8	456
	3/31/16	Not Measured	16.3	--	892	--	--	--	Absent	Absent	--	--	4.0	100	37.9	120	175	110	--	506	--	ND<12	--	ND<6.8	415
	04/13/16	Not Measured	14.3	--	885	--	--	--	Absent	Absent	--	--	3.9	110	37.6	120	111	75.6	--	533	--	ND<12	--	ND<6.8	436
	04/28/16	Not Measured	14.0	--	870	1,371	--	--	Absent	Absent	--	--	4.0	110	37.4	117	131	89.2	--	506	--	ND<12	--	ND<6.8	415
	05/11/16	Not Measured	14.6	--	855	1,395	--	--	Absent	Absent	--	--	4.0	110	38.6	115	106	84.0	--	500	--	ND<12	--	ND<6.8	410
	05/25/16	Not Measured	14.9	--	851	1,433	--	--	Absent	Absent	--	--	4.1	100	36.7	117	103	74.5	--	505	--	ND<12	--	ND<6.8	414
	06/08/16	Not Measured	12.9	--	875	1,376	--	--	Absent	Present	--	--	4.1	100	39.0	112	104	83.3	--	496	--	ND<12	--	ND<6.8	406
4500 West Linwood Avenue (F)	12/08/15	Not Accessible	0.84	--	124	--	--	--	Absent	Present	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/20/16	Not Accessible	2.02	--	290	--	--	--	Absent	Absent	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/18/16	55.43	2.05	--	221	--	--	--	Absent	Absent	--	--	--	22	3.0	31.4	22.4	4.9	103	125	ND<20	ND<12	ND<20	ND<6.8	103
	3/31/16	Not Measured	2.26	--	203	--	--	--	Absent	Absent	--	--	2.3	21	4.8	30.4	25.6	5.7	--	125	--	ND<12	--	ND<6.8	102
	04/13/16	Not Measured	2.39	--	283	--	--	--	Absent	Absent	--	--	2.4	22	5.3	31.2	22.1	4.8	--	134	--	ND<12	--	ND<6.8	110
	04/28/16	Not Measured	1.82	--	202	300.1	--	--	Absent	Present	--	--	2.4	21	4.7	29.1	20.0	4.3	--	121	--	ND<12	--	ND<6.8	99.1
	05/11/16	Not Measured	2.02	--	197	317.8	--	--	Absent	Absent	--	--	2.7	22	5.0	30.3	20.5	5.3	--	122	--	ND<12	--	ND<6.8	100
	05/25/16	Not Measured	2.33	--	213	329.2	--	--	Absent	Absent	--	--	2.6	21	5.1	30.4	22.3	5.0	--	125	--	ND<12	--	ND<6.8	102
	06/08/16	Not Measured	2.19	--	200	320.9	--	--	Absent	Absent	--	--	2.6	22	5.3	31.2	26.9	14.9	--	126	--	ND<12	--	ND<6.8	103
4530 West Linwood Avenue (G)	12/04/15	Not Accessible	14.5	--	707	--	--	--	Absent	Absent	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/20/16	Not Accessible	18.0	--	726	--	--	--	Absent	Absent	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/18/16	Not Accessible	15.4	--	742	--	--	--	Absent	Absent	--	--	--	99	31.0	107	73.6	60.2	385	469	ND<20	ND<12	ND<20	ND<6.8	385
	3/31/16	Not Measured	18.3	--	720	--	--	--	Absent	Absent	--	--	3.2	80	28.8	104	77.9	57.6	--	928	--	ND<12	--	ND<6.8	761
	04/13/16	Not Measured	18.1	--	732	--	--	--	Absent	Absent	--	--	3.3	90	30.9	107	64.2	48.1	--	495	--	ND<12	--	ND<6.8	406
	04/28/16	Not Measured	17.2	--	741	1,182	--	--	Absent	Absent	--	--	3.4	90	29.4	111	74.3	52.7	--	463	--	ND<12	--	ND<6.8	379
	05/11/16	Not Measured	18.2	--	799	1,231	--	--	Absent	Present	--	--	3.5	92	31.5	108	66.4	57.9	--	471	--	ND<12	--	ND<6.8	386
	05/25/16	Not Measured	14.0	--	789	1,238	--	--	Absent	Absent	--	--	3.5	92	30.3	112	65.9	52.2	--	466	--	ND<12	--	ND<6.8	382
	06/08/16	Not Measured	15.8	--	745	1,190	--	--	Absent	Present	--	--	3.5	84	30.8	104	65.1	59.0	--	462	--	ND<12	--	ND<6.8	379
4600 West Linwood Avenue (H)	12/08/15	Not Accessible	12.6	--	592	--	--	--	Absent	Absent	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/20/16	Not Accessible	11.5	--	642	--	--	--	Absent	Absent	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/18/16	13.95	10.4	--	645	--	--	--	Absent	Absent	--	--	--	100	30.4	57.3	53.0	40.7	380	464	ND<20	ND<12	ND<20	ND<6.8	380
	3/31/16	Not Measured	12.1	--	642	--	--	--	Absent	Absent	--	--	3.0	80	28.1	74.3	62.6	45.0	--	433	--	ND<12	--	ND<6.8	355
	04/13/16	Not Measured	11.1	--	626	--	--	--	Absent	Absent	--	--	3.0	87	28.8	77.5	52.1	40.3	--	482	--	ND<12	--	ND<6.8	395
	04/28/16	Not Measured	11.4	--	664	1,018	--	--	Absent	Absent	--	--	3.0	92	29.3	77.0	49.7	37.5	--	459	--	ND<12	--	ND<6.8	376
	05/11/16	Not Measured	12.6	--	635	1,046	--	--	Absent	Absent	--	--	3.2	97	32.6	66.0	42.0	38.8	--	454	--	ND<12	--	ND<6.8	372
	05/25/16	Not Measured	10.6	--	607	1,004	--	--	Absent	Absent	--	--	3.1	76	26.7	77.7	47.8	31.6	--	448	--	ND<12	--	ND<6.8	368
	06/08/16	Not Measured	9.94	--	616	982.5	--	--	Absent	Absent	--	--	3.1	76	26.7	76.2	41.2	40.7	--	442	--	ND<12	--	ND<6.8	362
1600 South Washington Road (I)	12/08/15	Not Accessible	4.25	--	302	--	--	--	Absent	Absent	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/20/16	Not Accessible	3.47	--	312	--	--	--	Absent	Absent	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/18/16	Not Accessible	3.22	--	309	--	--	--	Absent	Absent	--	--	--	35	7.6	43.1	37.6	25.8	151	184	ND<20	ND<12	ND<20	ND<6.8	151
	3/31/16	Not Measured	3.81	--	302	--	--	--	Absent	Present	--	--	2.6	32	8.9	41.4	33.1	17.7	--	185	--	ND<12	--	ND<6.8	152
	04/13/16	Not Measured	3.57	--	296	--	--	--	Absent	Absent	--	--	2.7	33	9.0	42.2	27.5	15.3	--	195	--	ND<12	--	ND<6.8	160
	04/28/16	Not Measured	2.78	--	288	422.8	--	--	Absent	Absent	--	--	2.7	31	8.1	39.0	24.4	13.1	--	173	--	ND<12	--	ND<6.8	142
	05/11/16	Not Measured	2.33	--	244	400.4	--	--	Absent	Absent	--	--	2.9	29	7.4	37.5	22.6	13.0	--	159	--	ND<12	--	ND<6.8	131
	05/25/16	Not Measured	2.21	--	261	390.9	--	--	Present	Present	--	--	2.8	27	6.9	35.3	22.8	11.2	--	155	--	ND<12	--	ND<6.8	127
	06/08/16	Not Measured	3.66	--	311	479.3	--	--	Absent	Absent	--	--	2.9	34	9.6	44.4	34.0	24.3	--	192	--	ND<12	--	ND<6.8	158
1624 South Washington Road (J)	12/08/15	16.54	22.6	--	894	--	--	--	Absent	Present	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/20/16	16.54	24.9	--	845	--	--	--	Absent	Absent	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/18/16	Not Measured	22.9	--	183	--	--	--	Absent	Present	--	--	--	140	40.0	84.0	111	51.2	353	431	ND<20	ND<12	ND<20	ND<6.8	353
	3/31/16	Not Measured	26.6	--	769	--	--	--	Absent	Present	--	--	3.0	110	36.3	75.1	152	61.5	--	422	--	ND<12	--	ND<6.8	346
	04/13/16	Not Measured	19.9	--	769	--	--	--	Absent	Present	--	--	3.0	110	36.3	75.1	152	61.5	--	422	--	ND<12	--	ND<6.8	346
	04/28/16	Not Measured	21.4	--	801	1,249	--	--	Absent	Absent	--	--	3.1	120	36.6	82.0	106	46.6	--	431	--	ND<12	--	ND<6.8	354
	05/11/16	Not Measured	19.7	--	768	1,278	--	--	Absent	Absent	--	--	3.2	120	37.3	78.0	94.4	46.9	--	427	--	ND<12	--	ND<6.8	350
	05/25/16	Not Measured	19.2	--	815	1,275	--	--	Absent	Absent	--	--	3.2	120	36.3	78.9	87.8	41.4	--	428	--	ND<12	--	ND<6.8	351
	06/08/16	Not Measured	18.9	--	769	1,245	--	--	Absent	Absent	--	--	3.2	110	36.7	73.7	92.9	50.3	--	422	--	ND<12	--	ND<6.8	346

Exhibit 23

Table 1
Wastewater Discharge Related Analytical Results
CMC Landholdings, LLC
Turlock, California

Sample Address	Sample Date	Depth to Water (btoc)	Nitrate as N	Ammonia Nitrogen (NH4-N)	Total Dissolved Solids	EC	TKN	Total Nitrogen	E. Coli	Total Coliform	Soluble Salts	Phosphorus	Potassium	Calcium	Magnesium	Sodium	Chloride	Sulfate as SO4	Bicarbonate Alkalinity as CaCO3	Bicarbonate as HCO3	Carbonate Alkalinity as CaCO3	Carbonate as CO3	Hydroxide Alkalinity as CaCO3	Hydroxide as OH	Total Alkalinity as CaCO3
3928 West Linwood Avenue (K)	12/16/13	Not Measured	**17.5**	ND<0.5	**358**	**943**	--	--	--	--	**604**	--	--	**32.6**	**25.7**	**77.1**	**20.2**	--	--	--	--	--	--	--	--
	11/11/14	Not Measured	**23.5**	ND	**358**	**880**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/15	Not Measured	**21.2**	--	--	**949**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/31/16	Not Measured	**19.9**	--	**776**	--	--	--	Absent	**Present**	--	--	**3.0**	**120**	**36.3**	**79.3**	**91.7**	**50.8**	--	**517**	--	ND<12	--	ND<6.8	**424**
	04/13/16	Not Measured	**20.7**	--	**559**	--	--	--	Absent	Absent	--	--	**3.4**	**73**	**22.6**	**61.1**	**40.2**	**55.1**	--	**327**	--	ND<12	--	ND<6.8	**268**
	04/28/16	Not Measured	**20.7**	--	**590**	**886.2**	--	--	Absent	Absent	--	--	**3.5**	**78**	**23.7**	**64.2**	**40.1**	**48.1**	--	**320**	--	ND<12	--	ND<6.8	**263**
	05/11/16	Not Measured	**17.5**	--	**579**	**898.6**	--	--	Absent	Absent	--	--	**3.6**	**76**	**24.0**	**62.0**	**40.0**	**51.4**	--	**273**	--	**17.5**	--	ND<6.8	**253**
	05/25/16	Not Measured	**20.9**	--	**582**	**900.0**	--	--	Absent	Absent	--	--	**3.5**	**71**	**22.6**	**61.9**	**43.2**	**48.2**	--	**315**	--	ND<12	--	ND<6.8	**582**
	06/08/16	Not Measured	**19.7**	--	**588**	**884.0**	--	--	Absent	**Present**	--	--	**3.6**	**73**	**24.5**	**60.8**	**44.6**	**55.6**	--	**314**	--	ND<12	--	ND<6.8	**258**
Maximum			28.1		2,370																				
Average			13.5		703																				
Median			14.4		769																				

Notes:
Detections above secondary MCL for TDS (>500 mg/L)
Detections above MCL for Nitrate (>10 mg/L)
Detection shown in **BOLD**
btoc = below top of casing
N = nitrogen
EC = Electrical or Specific Conductivity
TKN = Total Kjeldahl Nitrogen
mg/L = milligrams per liter
µmhos/cm = micromhos per centimeter
MPN = Most Probable Number
ppm = parts per million
* = Pre-Spill Data

Exhibit 23

ATTACHMENT A

LABORATORY ANALYTICAL REPORTS

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # C6E1124

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To:

C.C To:

Client: R&J Avila Inc

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID

Sampled By (Print Name) Rui Avila

(Signature) Rui Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Total Coliform (P/A)	Lab ID #	Preservative
5/11/16	12:10 pm	X			3928 W. Linwood		1L	1	✓	✓		✓	✓	✓	✓	✓	✓	-01	
5/11/16	12:10 pm	X			3928 W. Linwood		100 mL	1			✓						✓		

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
Rui Avila	5/11/16	12:26pm	[signature]	5-11-16	1226
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 NaOH 4 $Na_2S_2O_3$ 5 HNO_3 6 H_2SO_4 7 Other

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers 55 Gallon Drums

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1123 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 1624 S. Washington

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6E1123-01	5/11/2016 09:55	1.0	200.7	Calcium	**120**	mg/L		05/19/16 09:29
		1.0		Magnesium	**37.3**	mg/L		"
		1.0		Potassium	**3.2**	mg/L		"
		1.0		Sodium	**78.0**	mg/L		"
		5.0	300.0	Chloride	**94.4**	mg/L		05/11/16 17:27
		2.00		Nitrate as N	**19.7**	mg/L		"
		0.5		Sulfate as SO4	**46.9**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**768**	mg/L		05/12/16 09:38
		24.4	SM2320B	Bicarbonate as HCO3	**427**	mg/L		05/16/16 08:43
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**350**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		05/11/16 13:05
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1123 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001308 - NO PREP				**Prepared: 05/09/16 Analyzed: 05/16/16**						
Blank (C001308-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001308-BS1)										
Chloride	8.5	1.0	mg/L	10.00		85	80-120			
Nitrate as N	3.42	0.40	"	4.000		86	85-115			
Sulfate as SO4	4.6	0.5	"	5.000		91	80-120			
LCS Dup (C001308-BSD1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120	2	20	
Nitrate as N	3.54	0.40	"	4.000		88	85-115	3	20	
Sulfate as SO4	4.6	0.5	"	5.000		93	80-120	1	20	
Matrix Spike (C001308-MS1)		**Source: C6E0912-01**								
Chloride	43.5	1.0	mg/L	10.00	41.6	19	80-120			QM-07
Nitrate as N	20.4	0.40	"	4.000	19.0	36	85-115			QM-07
Sulfate as SO4	70.0	0.5	"	5.000	70.5	NR	80-120			QM-07
Matrix Spike Dup (C001308-MSD1)		**Source: C6E0912-01**								
Chloride	43.5	1.0	mg/L	10.00	41.6	18	80-120	1	20	QM-07
Nitrate as N	20.3	0.40	"	4.000	19.0	34	85-115	0.2	20	QM-07
Sulfate as SO4	74.1	0.5	"	5.000	70.5	72	80-120	6	20	QM-07
Batch C001358 - NO PREP				**Prepared: 05/12/16 Analyzed: 05/13/16**						
Blank (C001358-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001358-DUP1)		**Source: C6E1114-01**								
Total Dissolved Solids (TDS)	1210	10.0	mg/L		1180			3	10	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1123 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001376 - NO PREP				**Prepared: 05/16/16 Analyzed: 05/17/16**						
Blank (C001376-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001376-BS1)										
Total Alkalinity as CaCO3	38.3	20.0	mg/L	40.00		96	80-120			
LCS Dup (C001376-BSD1)										
Total Alkalinity as CaCO3	37.8	20.0	mg/L	40.00		94	80-120	1	2	
Matrix Spike (C001376-MS1)		**Source: C6E1112-01**								
Total Alkalinity as CaCO3	137	20.0	mg/L	40.00	102	89	80-120			
Matrix Spike Dup (C001376-MSD1)		**Source: C6E1112-01**								
Total Alkalinity as CaCO3	138	20.0	mg/L	40.00	102	91	80-120	0.6	20	
Batch C001430 - NONE				**Prepared & Analyzed: 05/19/16**						
Blank (C001430-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001430-BS1)										
Calcium	10.5	1.0	mg/L	10.00		105	80-120			
Magnesium	10.4	1.0	"	10.00		104	80-120			
Potassium	9.60	1.0	"	10.00		96	80-120			
Sodium	10.5	1.0	"	10.00		105	80-120			
LCS Dup (C001430-BSD1)										
Calcium	10.2	1.0	mg/L	10.00		102	80-120	3	20	
Magnesium	10.2	1.0	"	10.00		102	80-120	2	20	
Potassium	9.30	1.0	"	10.00		93	80-120	3	20	
Sodium	10.2	1.0	"	10.00		102	80-120	3	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6E1123 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001430 - NONE				**Prepared & Analyzed: 05/19/16**						
Matrix Spike (C001430-MS1)		**Source: C6E1122-01**								
Calcium	38.9	1.0	mg/L	10.00	29.0	99	80-120			
Magnesium	17.5	1.0	"	10.00	7.40	101	80-120			
Potassium	13.3	1.0	"	10.00	2.88	104	80-120			
Sodium	46.9	1.0	"	10.00	37.5	94	80-120			
Matrix Spike Dup (C001430-MSD1)		**Source: C6E1122-01**								
Calcium	39.0	1.0	mg/L	10.00	29.0	100	80-120	0.3	20	
Magnesium	17.5	1.0	"	10.00	7.40	101	80-120	0	20	
Potassium	13.4	1.0	"	10.00	2.88	105	80-120	0.7	20	
Sodium	47.8	1.0	"	10.00	37.5	103	80-120	2	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1123 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Microbiology - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001350 - BIO				**Prepared: 05/11/16 Analyzed: 05/12/16**						
Blank (C001350-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001350-DUP1)		**Source: C6E1124-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Absent		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6E1123 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380
Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # C6E1123
Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No
Regulator:
Phone: (209) 669-7919
Fax: (209) 250-1919
Original To: frontdesk@randjavila.com
C.C To:

Client: R & J Avila, Inc.
Address: 8119 Ellington Ave
City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT
☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila
(Signature) R. Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K, As	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
5/11/16	9:55 Am	✓			1624 S. Washington		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
5/11/16	9:55 Am	✓			1624 S. Washington		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	5/11/16	12:18pm	[signature]	5-11-16	1218
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 -NaOH 4 $Na_2S_2O_3$ 5 -HNO_3 6 -H_2SO_4 7 -Other _____

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers _____ 55 Gallon Drums _____ Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1122 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 1600 S. Washington

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6E1122-01	5/11/2016 09:40	1.0	200.7	Calcium	**29**	mg/L		05/19/16 09:29
		1.0		Magnesium	**7.4**	mg/L		"
		1.0		Potassium	**2.9**	mg/L		"
		1.0		Sodium	**37.5**	mg/L		"
		1.0	300.0	Chloride	**22.6**	mg/L		05/11/16 17:27
		0.40		Nitrate as N	**2.33**	mg/L		"
		0.5		Sulfate as SO4	**13.0**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**244**	mg/L		05/12/16 09:38
		24.4	SM2320B	Bicarbonate as HCO3	**159**	mg/L		05/16/16 08:43
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**131**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		05/11/16 13:05
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1122 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001308 - NO PREP				**Prepared: 05/09/16 Analyzed: 05/16/16**						
Blank (C001308-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001308-BS1)										
Chloride	8.5	1.0	mg/L	10.00		85	80-120			
Nitrate as N	3.42	0.40	"	4.000		86	85-115			
Sulfate as SO4	4.6	0.5	"	5.000		91	80-120			
LCS Dup (C001308-BSD1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120	2	20	
Nitrate as N	3.54	0.40	"	4.000		88	85-115	3	20	
Sulfate as SO4	4.6	0.5	"	5.000		93	80-120	1	20	
Matrix Spike (C001308-MS1)		**Source: C6E0912-01**								
Chloride	43.5	1.0	mg/L	10.00	41.6	19	80-120			QM-07
Nitrate as N	20.4	0.40	"	4.000	19.0	36	85-115			QM-07
Sulfate as SO4	70.0	0.5	"	5.000	70.5	NR	80-120			QM-07
Matrix Spike Dup (C001308-MSD1)		**Source: C6E0912-01**								
Chloride	43.5	1.0	mg/L	10.00	41.6	18	80-120	1	20	QM-07
Nitrate as N	20.3	0.40	"	4.000	19.0	34	85-115	0.2	20	QM-07
Sulfate as SO4	74.1	0.5	"	5.000	70.5	72	80-120	6	20	QM-07
Batch C001358 - NO PREP				**Prepared: 05/12/16 Analyzed: 05/13/16**						
Blank (C001358-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001358-DUP1)		**Source: C6E1114-01**								
Total Dissolved Solids (TDS)	1210	10.0	mg/L		1180			3	10	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1122 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001376 - NO PREP				**Prepared: 05/16/16 Analyzed: 05/17/16**						
Blank (C001376-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001376-BS1)										
Total Alkalinity as CaCO3	38.3	20.0	mg/L	40.00		96	80-120			
LCS Dup (C001376-BSD1)										
Total Alkalinity as CaCO3	37.8	20.0	mg/L	40.00		94	80-120	1	2	
Matrix Spike (C001376-MS1)		**Source: C6E1112-01**								
Total Alkalinity as CaCO3	137	20.0	mg/L	40.00	102	89	80-120			
Matrix Spike Dup (C001376-MSD1)		**Source: C6E1112-01**								
Total Alkalinity as CaCO3	138	20.0	mg/L	40.00	102	91	80-120	0.6	20	
Batch C001430 - NONE				**Prepared & Analyzed: 05/19/16**						
Blank (C001430-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001430-BS1)										
Calcium	10.5	1.0	mg/L	10.00		105	80-120			
Magnesium	10.4	1.0	"	10.00		104	80-120			
Potassium	9.60	1.0	"	10.00		96	80-120			
Sodium	10.5	1.0	"	10.00		105	80-120			
LCS Dup (C001430-BSD1)										
Calcium	10.2	1.0	mg/L	10.00		102	80-120	3	20	
Magnesium	10.2	1.0	"	10.00		102	80-120	2	20	
Potassium	9.30	1.0	"	10.00		93	80-120	3	20	
Sodium	10.2	1.0	"	10.00		102	80-120	3	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1122 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001430 - NONE				**Prepared & Analyzed: 05/19/16**						
Matrix Spike (C001430-MS1)		**Source: C6E1122-01**								
Calcium	38.9	1.0	mg/L	10.00	29.0	99	80-120			
Magnesium	17.5	1.0	"	10.00	7.40	101	80-120			
Potassium	13.3	1.0	"	10.00	2.88	104	80-120			
Sodium	46.9	1.0	"	10.00	37.5	94	80-120			
Matrix Spike Dup (C001430-MSD1)		**Source: C6E1122-01**								
Calcium	39.0	1.0	mg/L	10.00	29.0	100	80-120	0.3	20	
Magnesium	17.5	1.0	"	10.00	7.40	101	80-120	0	20	
Potassium	13.4	1.0	"	10.00	2.88	105	80-120	0.7	20	
Sodium	47.8	1.0	"	10.00	37.5	103	80-120	2	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1122 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Microbiology - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001350 - BIO				**Prepared: 05/11/16 Analyzed: 05/12/16**						
Blank (C001350-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001350-DUP1)		**Source: C6E1124-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Absent		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6E1122 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # C6E1122

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature) R. Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
5-11-16	9:40 Am	✓			1600 S. Washington		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
5-11-16	9:40 Am	✓			1600 S. Washington		100ml	1			✓	✓							

Relinquished by (Signature) R. Avila — Date 5/11/16 — Time 12:18 pm — Received by (Signature) [signature] — Date 5-11-16 — Time 1218

Relinquished by (Signature) — Date — Time — Received by (Signature) — Date — Time

Preservative: 1 4°C 2 HCL 3 NaOH 4 $Na_2S_2O_3$ 5 HNO_3 6 H_2SO_4 7 Other

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers _____ 55 Gallon Drums _____ Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1121 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 4600 W Linwood

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6E1121-01	5/11/2016 10:24	1.0	200.7	Calcium	**97**	mg/L		05/19/16 08:44
		1.0		Magnesium	**32.6**	mg/L		"
		1.0		Potassium	**3.2**	mg/L		"
		1.0		Sodium	**66.0**	mg/L		"
		5.0	300.0	Chloride	**42.0**	mg/L		05/11/16 17:27
		0.40		Nitrate as N	**12.6**	mg/L		"
		2.5		Sulfate as SO4	**38.8**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**635**	mg/L		05/12/16 09:38
		24.4	SM2320B	Bicarbonate as HCO3	**454**	mg/L		05/16/16 08:43
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**372**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		05/11/16 13:05
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1121 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001308 - NO PREP				**Prepared: 05/09/16 Analyzed: 05/16/16**						
Blank (C001308-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001308-BS1)										
Chloride	8.5	1.0	mg/L	10.00		85	80-120			
Nitrate as N	3.42	0.40	"	4.000		86	85-115			
Sulfate as SO4	4.6	0.5	"	5.000		91	80-120			
LCS Dup (C001308-BSD1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120	2	20	
Nitrate as N	3.54	0.40	"	4.000		88	85-115	3	20	
Sulfate as SO4	4.6	0.5	"	5.000		93	80-120	1	20	
Matrix Spike (C001308-MS1)		**Source: C6E0912-01**								
Chloride	43.5	1.0	mg/L	10.00	41.6	19	80-120			QM-07
Nitrate as N	20.4	0.40	"	4.000	19.0	36	85-115			QM-07
Sulfate as SO4	70.0	0.5	"	5.000	70.5	NR	80-120			QM-07
Matrix Spike Dup (C001308-MSD1)		**Source: C6E0912-01**								
Chloride	43.5	1.0	mg/L	10.00	41.6	18	80-120	1	20	QM-07
Nitrate as N	20.3	0.40	"	4.000	19.0	34	85-115	0.2	20	QM-07
Sulfate as SO4	74.1	0.5	"	5.000	70.5	72	80-120	6	20	QM-07
Batch C001358 - NO PREP				**Prepared: 05/12/16 Analyzed: 05/13/16**						
Blank (C001358-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001358-DUP1)		**Source: C6E1114-01**								
Total Dissolved Solids (TDS)	1210	10.0	mg/L		1180			3	10	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6E1121 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001376 - NO PREP				**Prepared: 05/16/16 Analyzed: 05/17/16**						
Blank (C001376-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001376-BS1)										
Total Alkalinity as CaCO3	38.3	20.0	mg/L	40.00		96	80-120			
LCS Dup (C001376-BSD1)										
Total Alkalinity as CaCO3	37.8	20.0	mg/L	40.00		94	80-120	1	2	
Matrix Spike (C001376-MS1)		**Source: C6E1112-01**								
Total Alkalinity as CaCO3	137	20.0	mg/L	40.00	102	89	80-120			
Matrix Spike Dup (C001376-MSD1)		**Source: C6E1112-01**								
Total Alkalinity as CaCO3	138	20.0	mg/L	40.00	102	91	80-120	0.6	20	
Batch C001413 - NONE				**Prepared & Analyzed: 05/19/16**						
Blank (C001413-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001413-BS1)										
Calcium	10.5	1.0	mg/L	10.00		105	80-120			
Magnesium	10.4	1.0	"	10.00		104	80-120			
Potassium	9.58	1.0	"	10.00		96	80-120			
Sodium	10.5	1.0	"	10.00		105	80-120			
LCS Dup (C001413-BSD1)										
Calcium	10.2	1.0	mg/L	10.00		102	80-120	3	20	
Magnesium	10.2	1.0	"	10.00		102	80-120	2	20	
Potassium	9.31	1.0	"	10.00		93	80-120	3	20	
Sodium	10.2	1.0	"	10.00		102	80-120	3	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6E1121 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001413 - NONE				**Prepared & Analyzed: 05/19/16**						
Matrix Spike (C001413-MS1)		**Source: C6E1105-01**								
Calcium	51.6	1.0	mg/L	10.00	42.2	94	80-120			
Magnesium	22.0	1.0	"	10.00	12.4	96	80-120			
Potassium	14.9	1.0	"	10.00	4.20	107	80-120			
Sodium	48.5	1.0	"	10.00	38.9	96	80-120			
Matrix Spike Dup (C001413-MSD1)		**Source: C6E1105-01**								
Calcium	52.0	1.0	mg/L	10.00	42.2	98	80-120	0.8	20	
Magnesium	22.1	1.0	"	10.00	12.4	97	80-120	0.5	20	
Potassium	15.0	1.0	"	10.00	4.20	108	80-120	0.7	20	
Sodium	48.9	1.0	"	10.00	38.9	100	80-120	0.8	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6E1121 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Microbiology - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001350 - BIO			**Prepared: 05/11/16 Analyzed: 05/12/16**							
Blank (C001350-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001350-DUP1)		**Source: C6E1124-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Absent		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6E1121 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila **Date Rec'd:** 05/11/16
8119 Ellington Avenue
Hilmar, CA 95324

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # CHE1121

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature) R = Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
5-11-16	10:24 am	✓			4600 W. Linwood		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
5-11-16	10:24 am	✓			4600 W. Linwood		100ml	1			✓	✓					✓		

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R = Avila	5/11/16	12:18 pm	[signature]	5-11-16	1218
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 -NaOH 4 $Na_2S_2O_3$ 5 -HNO_3 6 -H_2SO_4 7 -Other _____

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers _____ 55 Gallon Drums _____

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1120 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 4530 W Linwood

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6E1120-01	5/11/2016 10:40	1.0	200.7	Calcium	**92**	mg/L		05/19/16 08:44
		1.0		Magnesium	**31.5**	mg/L		"
		1.0		Potassium	**3.5**	mg/L		"
		1.0		Sodium	**108**	mg/L		"
		5.0	300.0	Chloride	**66.4**	mg/L		05/11/16 17:27
		0.40		Nitrate as N	**18.2**	mg/L		"
		2.5		Sulfate as SO4	**57.9**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**799**	mg/L		05/12/16 09:38
		24.4	SM2320B	Bicarbonate as HCO3	**471**	mg/L		05/16/16 08:43
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**386**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		05/11/16 13:05
		NA		Total Coliform	Present	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1120 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001308 - NO PREP				**Prepared: 05/09/16 Analyzed: 05/16/16**						
Blank (C001308-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001308-BS1)										
Chloride	8.5	1.0	mg/L	10.00		85	80-120			
Nitrate as N	3.42	0.40	"	4.000		86	85-115			
Sulfate as SO4	4.6	0.5	"	5.000		91	80-120			
LCS Dup (C001308-BSD1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120	2	20	
Nitrate as N	3.54	0.40	"	4.000		88	85-115	3	20	
Sulfate as SO4	4.6	0.5	"	5.000		93	80-120	1	20	
Matrix Spike (C001308-MS1)		**Source: C6E0912-01**								
Chloride	43.5	1.0	mg/L	10.00	41.6	19	80-120			QM-07
Nitrate as N	20.4	0.40	"	4.000	19.0	36	85-115			QM-07
Sulfate as SO4	70.0	0.5	"	5.000	70.5	NR	80-120			QM-07
Matrix Spike Dup (C001308-MSD1)		**Source: C6E0912-01**								
Chloride	43.5	1.0	mg/L	10.00	41.6	18	80-120	1	20	QM-07
Nitrate as N	20.3	0.40	"	4.000	19.0	34	85-115	0.2	20	QM-07
Sulfate as SO4	74.1	0.5	"	5.000	70.5	72	80-120	6	20	QM-07
Batch C001358 - NO PREP				**Prepared: 05/12/16 Analyzed: 05/13/16**						
Blank (C001358-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001358-DUP1)		**Source: C6E1114-01**								
Total Dissolved Solids (TDS)	1210	10.0	mg/L		1180			3	10	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1120 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001376 - NO PREP				**Prepared: 05/16/16 Analyzed: 05/17/16**						
Blank (C001376-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001376-BS1)										
Total Alkalinity as CaCO3	38.3	20.0	mg/L	40.00		96	80-120			
LCS Dup (C001376-BSD1)										
Total Alkalinity as CaCO3	37.8	20.0	mg/L	40.00		94	80-120	1	2	
Matrix Spike (C001376-MS1)		**Source: C6E1112-01**								
Total Alkalinity as CaCO3	137	20.0	mg/L	40.00	102	89	80-120			
Matrix Spike Dup (C001376-MSD1)		**Source: C6E1112-01**								
Total Alkalinity as CaCO3	138	20.0	mg/L	40.00	102	91	80-120	0.6	20	
Batch C001413 - NONE				**Prepared & Analyzed: 05/19/16**						
Blank (C001413-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001413-BS1)										
Calcium	10.5	1.0	mg/L	10.00		105	80-120			
Magnesium	10.4	1.0	"	10.00		104	80-120			
Potassium	9.58	1.0	"	10.00		96	80-120			
Sodium	10.5	1.0	"	10.00		105	80-120			
LCS Dup (C001413-BSD1)										
Calcium	10.2	1.0	mg/L	10.00		102	80-120	3	20	
Magnesium	10.2	1.0	"	10.00		102	80-120	2	20	
Potassium	9.31	1.0	"	10.00		93	80-120	3	20	
Sodium	10.2	1.0	"	10.00		102	80-120	3	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6E1120 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001413 - NONE				**Prepared & Analyzed: 05/19/16**						
Matrix Spike (C001413-MS1)		**Source: C6E1105-01**								
Calcium	51.6	1.0	mg/L	10.00	42.2	94	80-120			
Magnesium	22.0	1.0	"	10.00	12.4	96	80-120			
Potassium	14.9	1.0	"	10.00	4.20	107	80-120			
Sodium	48.5	1.0	"	10.00	38.9	96	80-120			
Matrix Spike Dup (C001413-MSD1)		**Source: C6E1105-01**								
Calcium	52.0	1.0	mg/L	10.00	42.2	98	80-120	0.8	20	
Magnesium	22.1	1.0	"	10.00	12.4	97	80-120	0.5	20	
Potassium	15.0	1.0	"	10.00	4.20	108	80-120	0.7	20	
Sodium	48.9	1.0	"	10.00	38.9	100	80-120	0.8	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1120 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Microbiology - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001350 - BIO			**Prepared: 05/11/16 Analyzed: 05/12/16**							
Blank (C001350-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001350-DUP1)		**Source: C6E1124-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Absent		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1120 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
P	Present
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # C6E1120

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature) R. Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na,K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
5/11/16	10:40 Am	✓			4530 W. Linwood		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
5/11/16	10:40 am	✓			4530 W. Linwood		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	5/11/16	12:18 pm	[illegible]	5-11-16	1218
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 -NaOH 4 $Na_2S_2O_3$ 5 -HNO_3 6 -H_2SO_4 7 -Other _____

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers _____ 55 Gallon Drums _____

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1119 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 4500 W Linwood

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6E1119-01	5/11/2016 10:50	1.0	200.7	Calcium	**22**	mg/L		05/19/16 08:44
		1.0		Magnesium	**5.0**	mg/L		"
		1.0		Potassium	**2.7**	mg/L		"
		1.0		Sodium	**30.3**	mg/L		"
		1.0	300.0	Chloride	**20.5**	mg/L		05/11/16 17:27
		0.40		Nitrate as N	**2.02**	mg/L		"
		0.5		Sulfate as SO4	**5.3**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**197**	mg/L		05/12/16 09:38
		24.4	SM2320B	Bicarbonate as HCO3	**122**	mg/L		05/16/16 08:43
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**100**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		05/11/16 13:05
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1119 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001308 - NO PREP				**Prepared: 05/09/16 Analyzed: 05/16/16**						
Blank (C001308-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001308-BS1)										
Chloride	8.5	1.0	mg/L	10.00		85	80-120			
Nitrate as N	3.42	0.40	"	4.000		86	85-115			
Sulfate as SO4	4.6	0.5	"	5.000		91	80-120			
LCS Dup (C001308-BSD1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120	2	20	
Nitrate as N	3.54	0.40	"	4.000		88	85-115	3	20	
Sulfate as SO4	4.6	0.5	"	5.000		93	80-120	1	20	
Matrix Spike (C001308-MS1)		**Source: C6E0912-01**								
Chloride	43.5	1.0	mg/L	10.00	41.6	19	80-120			QM-07
Nitrate as N	20.4	0.40	"	4.000	19.0	36	85-115			QM-07
Sulfate as SO4	70.0	0.5	"	5.000	70.5	NR	80-120			QM-07
Matrix Spike Dup (C001308-MSD1)		**Source: C6E0912-01**								
Chloride	43.5	1.0	mg/L	10.00	41.6	18	80-120	1	20	QM-07
Nitrate as N	20.3	0.40	"	4.000	19.0	34	85-115	0.2	20	QM-07
Sulfate as SO4	74.1	0.5	"	5.000	70.5	72	80-120	6	20	QM-07
Batch C001358 - NO PREP				**Prepared: 05/12/16 Analyzed: 05/13/16**						
Blank (C001358-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001358-DUP1)		**Source: C6E1114-01**								
Total Dissolved Solids (TDS)	1210	10.0	mg/L		1180			3	10	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1119 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001376 - NO PREP				**Prepared: 05/16/16 Analyzed: 05/17/16**						
Blank (C001376-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001376-BS1)										
Total Alkalinity as CaCO3	38.3	20.0	mg/L	40.00		96	80-120			
LCS Dup (C001376-BSD1)										
Total Alkalinity as CaCO3	37.8	20.0	mg/L	40.00		94	80-120	1	2	
Matrix Spike (C001376-MS1)		**Source: C6E1112-01**								
Total Alkalinity as CaCO3	137	20.0	mg/L	40.00	102	89	80-120			
Matrix Spike Dup (C001376-MSD1)		**Source: C6E1112-01**								
Total Alkalinity as CaCO3	138	20.0	mg/L	40.00	102	91	80-120	0.6	20	
Batch C001413 - NONE				**Prepared & Analyzed: 05/19/16**						
Blank (C001413-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001413-BS1)										
Calcium	10.5	1.0	mg/L	10.00		105	80-120			
Magnesium	10.4	1.0	"	10.00		104	80-120			
Potassium	9.58	1.0	"	10.00		96	80-120			
Sodium	10.5	1.0	"	10.00		105	80-120			
LCS Dup (C001413-BSD1)										
Calcium	10.2	1.0	mg/L	10.00		102	80-120	3	20	
Magnesium	10.2	1.0	"	10.00		102	80-120	2	20	
Potassium	9.31	1.0	"	10.00		93	80-120	3	20	
Sodium	10.2	1.0	"	10.00		102	80-120	3	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6E1119 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001413 - NONE				**Prepared & Analyzed: 05/19/16**						
Matrix Spike (C001413-MS1)		**Source: C6E1105-01**								
Calcium	51.6	1.0	mg/L	10.00	42.2	94	80-120			
Magnesium	22.0	1.0	"	10.00	12.4	96	80-120			
Potassium	14.9	1.0	"	10.00	4.20	107	80-120			
Sodium	48.5	1.0	"	10.00	38.9	96	80-120			
Matrix Spike Dup (C001413-MSD1)		**Source: C6E1105-01**								
Calcium	52.0	1.0	mg/L	10.00	42.2	98	80-120	0.8	20	
Magnesium	22.1	1.0	"	10.00	12.4	97	80-120	0.5	20	
Potassium	15.0	1.0	"	10.00	4.20	108	80-120	0.7	20	
Sodium	48.9	1.0	"	10.00	38.9	100	80-120	0.8	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6E1119 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Microbiology - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001350 - BIO			**Prepared: 05/11/16 Analyzed: 05/12/16**							
Blank (C001350-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001350-DUP1)		**Source: C6E1124-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Absent		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6E1119 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # C6E1119

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature) R = Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na,K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
5/11/16	10:50 am	✓			4500 W. Linwood		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
5/11/16	10:50 am	✓			4500 W. Linwood		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R = Avila	5/11/16	12:18 pm	[illegible]	5-11-16	1218
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 NaOH 4 $Na_2S_2O_3$ 5 HNO_3 6 H_2SO_4 7 Other _____

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers _____ 55 Gallon Drums _____

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1118 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 4406 Linwood House

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6E1118-01	5/11/2016 11:01	1.0	200.7	Calcium	**110**	mg/L		05/19/16 08:44
		1.0		Magnesium	**38.6**	mg/L		"
		1.0		Potassium	**4.0**	mg/L		"
		1.0		Sodium	**115**	mg/L		"
		5.0	300.0	Chloride	**106**	mg/L		05/11/16 17:27
		0.40		Nitrate as N	**14.6**	mg/L		"
		2.5		Sulfate as SO4	**84.0**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**855**	mg/L		05/12/16 09:38
		24.4	SM2320B	Bicarbonate as HCO3	**500**	mg/L		05/16/16 08:43
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**410**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		05/11/16 13:05
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1118 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001308 - NO PREP				**Prepared: 05/09/16 Analyzed: 05/16/16**						
Blank (C001308-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001308-BS1)										
Chloride	8.5	1.0	mg/L	10.00		85	80-120			
Nitrate as N	3.42	0.40	"	4.000		86	85-115			
Sulfate as SO4	4.6	0.5	"	5.000		91	80-120			
LCS Dup (C001308-BSD1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120	2	20	
Nitrate as N	3.54	0.40	"	4.000		88	85-115	3	20	
Sulfate as SO4	4.6	0.5	"	5.000		93	80-120	1	20	
Matrix Spike (C001308-MS1)		**Source: C6E0912-01**								
Chloride	43.5	1.0	mg/L	10.00	41.6	19	80-120			QM-07
Nitrate as N	20.4	0.40	"	4.000	19.0	36	85-115			QM-07
Sulfate as SO4	70.0	0.5	"	5.000	70.5	NR	80-120			QM-07
Matrix Spike Dup (C001308-MSD1)		**Source: C6E0912-01**								
Chloride	43.5	1.0	mg/L	10.00	41.6	18	80-120	1	20	QM-07
Nitrate as N	20.3	0.40	"	4.000	19.0	34	85-115	0.2	20	QM-07
Sulfate as SO4	74.1	0.5	"	5.000	70.5	72	80-120	6	20	QM-07
Batch C001358 - NO PREP				**Prepared: 05/12/16 Analyzed: 05/13/16**						
Blank (C001358-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001358-DUP1)		**Source: C6E1114-01**								
Total Dissolved Solids (TDS)	1210	10.0	mg/L		1180			3	10	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1118 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001376 - NO PREP				**Prepared: 05/16/16 Analyzed: 05/17/16**						
Blank (C001376-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001376-BS1)										
Total Alkalinity as CaCO3	38.3	20.0	mg/L	40.00		96	80-120			
LCS Dup (C001376-BSD1)										
Total Alkalinity as CaCO3	37.8	20.0	mg/L	40.00		94	80-120	1	2	
Matrix Spike (C001376-MS1)		**Source: C6E1112-01**								
Total Alkalinity as CaCO3	137	20.0	mg/L	40.00	102	89	80-120			
Matrix Spike Dup (C001376-MSD1)		**Source: C6E1112-01**								
Total Alkalinity as CaCO3	138	20.0	mg/L	40.00	102	91	80-120	0.6	20	
Batch C001413 - NONE				**Prepared & Analyzed: 05/19/16**						
Blank (C001413-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001413-BS1)										
Calcium	10.5	1.0	mg/L	10.00		105	80-120			
Magnesium	10.4	1.0	"	10.00		104	80-120			
Potassium	9.58	1.0	"	10.00		96	80-120			
Sodium	10.5	1.0	"	10.00		105	80-120			
LCS Dup (C001413-BSD1)										
Calcium	10.2	1.0	mg/L	10.00		102	80-120	3	20	
Magnesium	10.2	1.0	"	10.00		102	80-120	2	20	
Potassium	9.31	1.0	"	10.00		93	80-120	3	20	
Sodium	10.2	1.0	"	10.00		102	80-120	3	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6E1118 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001413 - NONE				**Prepared & Analyzed: 05/19/16**						
Matrix Spike (C001413-MS1)		**Source: C6E1105-01**								
Calcium	51.6	1.0	mg/L	10.00	42.2	94	80-120			
Magnesium	22.0	1.0	"	10.00	12.4	96	80-120			
Potassium	14.9	1.0	"	10.00	4.20	107	80-120			
Sodium	48.5	1.0	"	10.00	38.9	96	80-120			
Matrix Spike Dup (C001413-MSD1)		**Source: C6E1105-01**								
Calcium	52.0	1.0	mg/L	10.00	42.2	98	80-120	0.8	20	
Magnesium	22.1	1.0	"	10.00	12.4	97	80-120	0.5	20	
Potassium	15.0	1.0	"	10.00	4.20	108	80-120	0.7	20	
Sodium	48.9	1.0	"	10.00	38.9	100	80-120	0.8	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1118 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Microbiology - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001350 - BIO				**Prepared: 05/11/16 Analyzed: 05/12/16**						
Blank (C001350-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001350-DUP1)		**Source: C6E1124-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Absent		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6E1118 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # C6E1118

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature)

Date	Time	Sample type: Grab	Sample type: Comp	Matrix	Sample ID	Container: Type	Container: Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
5/11/16	11:01 Am	✓			4406 Linwood House		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
5/11/16	11:01 Am	✓			4406 Linwood House		100ml	1			✓	✓					✓		

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	5/11/16	12:18 pm		5-11-16	1218
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 NaOH 4 $Na_2S_2O_3$ 5 HNO_3 6 H_2SO_4 7 Other _____

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers _____ 55 Gallon Drums _____

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1117 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 4207 Linwood

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6E1117-01	5/11/2016 11:22	1.0	200.7	Calcium	**20**	mg/L		05/19/16 08:44
		1.0		Magnesium	**3.4**	mg/L		"
		1.0		Potassium	**3.0**	mg/L		"
		1.0		Sodium	**30.7**	mg/L		"
		1.0	300.0	Chloride	**25.3**	mg/L		05/11/16 17:27
		0.40		Nitrate as N	**1.22**	mg/L		"
		0.5		Sulfate as SO4	**5.1**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**180**	mg/L		05/12/16 09:38
		24.4	SM2320B	Bicarbonate as HCO3	**110**	mg/L		05/16/16 08:43
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**90.0**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		05/11/16 13:05
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1117 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001308 - NO PREP				**Prepared: 05/09/16 Analyzed: 05/16/16**						
Blank (C001308-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001308-BS1)										
Chloride	8.5	1.0	mg/L	10.00		85	80-120			
Nitrate as N	3.42	0.40	"	4.000		86	85-115			
Sulfate as SO4	4.6	0.5	"	5.000		91	80-120			
LCS Dup (C001308-BSD1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120	2	20	
Nitrate as N	3.54	0.40	"	4.000		88	85-115	3	20	
Sulfate as SO4	4.6	0.5	"	5.000		93	80-120	1	20	
Matrix Spike (C001308-MS1)		**Source: C6E0912-01**								
Chloride	43.5	1.0	mg/L	10.00	41.6	19	80-120			QM-07
Nitrate as N	20.4	0.40	"	4.000	19.0	36	85-115			QM-07
Sulfate as SO4	70.0	0.5	"	5.000	70.5	NR	80-120			QM-07
Matrix Spike Dup (C001308-MSD1)		**Source: C6E0912-01**								
Chloride	43.5	1.0	mg/L	10.00	41.6	18	80-120	1	20	QM-07
Nitrate as N	20.3	0.40	"	4.000	19.0	34	85-115	0.2	20	QM-07
Sulfate as SO4	74.1	0.5	"	5.000	70.5	72	80-120	6	20	QM-07
Batch C001358 - NO PREP				**Prepared: 05/12/16 Analyzed: 05/13/16**						
Blank (C001358-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001358-DUP1)		**Source: C6E1114-01**								
Total Dissolved Solids (TDS)	1210	10.0	mg/L		1180			3	10	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1117 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001376 - NO PREP				**Prepared: 05/16/16 Analyzed: 05/17/16**						
Blank (C001376-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001376-BS1)										
Total Alkalinity as CaCO3	38.3	20.0	mg/L	40.00		96	80-120			
LCS Dup (C001376-BSD1)										
Total Alkalinity as CaCO3	37.8	20.0	mg/L	40.00		94	80-120	1	2	
Matrix Spike (C001376-MS1)		**Source: C6E1112-01**								
Total Alkalinity as CaCO3	137	20.0	mg/L	40.00	102	89	80-120			
Matrix Spike Dup (C001376-MSD1)		**Source: C6E1112-01**								
Total Alkalinity as CaCO3	138	20.0	mg/L	40.00	102	91	80-120	0.6	20	
Batch C001413 - NONE				**Prepared & Analyzed: 05/19/16**						
Blank (C001413-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001413-BS1)										
Calcium	10.5	1.0	mg/L	10.00		105	80-120			
Magnesium	10.4	1.0	"	10.00		104	80-120			
Potassium	9.58	1.0	"	10.00		96	80-120			
Sodium	10.5	1.0	"	10.00		105	80-120			
LCS Dup (C001413-BSD1)										
Calcium	10.2	1.0	mg/L	10.00		102	80-120	3	20	
Magnesium	10.2	1.0	"	10.00		102	80-120	2	20	
Potassium	9.31	1.0	"	10.00		93	80-120	3	20	
Sodium	10.2	1.0	"	10.00		102	80-120	3	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1117 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001413 - NONE				**Prepared & Analyzed: 05/19/16**						
Matrix Spike (C001413-MS1)		**Source: C6E1105-01**								
Calcium	51.6	1.0	mg/L	10.00	42.2	94	80-120			
Magnesium	22.0	1.0	"	10.00	12.4	96	80-120			
Potassium	14.9	1.0	"	10.00	4.20	107	80-120			
Sodium	48.5	1.0	"	10.00	38.9	96	80-120			
Matrix Spike Dup (C001413-MSD1)		**Source: C6E1105-01**								
Calcium	52.0	1.0	mg/L	10.00	42.2	98	80-120	0.8	20	
Magnesium	22.1	1.0	"	10.00	12.4	97	80-120	0.5	20	
Potassium	15.0	1.0	"	10.00	4.20	108	80-120	0.7	20	
Sodium	48.9	1.0	"	10.00	38.9	100	80-120	0.8	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1117 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Microbiology - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001350 - BIO				**Prepared: 05/11/16 Analyzed: 05/12/16**						
Blank (C001350-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001350-DUP1)		**Source: C6E1124-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Absent		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6E1117 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila **Date Rec'd:** 05/11/16
8119 Ellington Avenue
Hilmar, CA 95324

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # C6E1117

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature) R. Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
5-11-16	11:22 am	✓			4207 Linwood		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
5-11-16	11:22 Am	✓			4207 Linwood		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	5/11/16	12:18 pm	[signature]	5-11-16	1218
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 -NaOH 4 $Na_2S_2O_3$ 5 -HNO_3 6 -H_2SO_4 7 -Other

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers 55 Gallon Drums

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1116 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 4230 W Linwood

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6E1116-01	5/11/2016 11:35	1.0	200.7	Calcium	**110**	mg/L		05/19/16 08:44
		1.0		Magnesium	**39.0**	mg/L		"
		1.0		Potassium	**4.5**	mg/L		"
		1.0		Sodium	**105**	mg/L		"
		5.0	300.0	Chloride	**106**	mg/L		05/11/16 17:27
		0.40		Nitrate as N	**13.6**	mg/L		"
		2.5		Sulfate as SO4	**86.7**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**823**	mg/L		05/12/16 09:38
		24.4	SM2320B	Bicarbonate as HCO3	**485**	mg/L		05/16/16 08:43
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**397**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		05/11/16 13:05
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1116 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001308 - NO PREP				**Prepared: 05/09/16 Analyzed: 05/16/16**						
Blank (C001308-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001308-BS1)										
Chloride	8.5	1.0	mg/L	10.00		85	80-120			
Nitrate as N	3.42	0.40	"	4.000		86	85-115			
Sulfate as SO4	4.6	0.5	"	5.000		91	80-120			
LCS Dup (C001308-BSD1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120	2	20	
Nitrate as N	3.54	0.40	"	4.000		88	85-115	3	20	
Sulfate as SO4	4.6	0.5	"	5.000		93	80-120	1	20	
Matrix Spike (C001308-MS1)		**Source: C6E0912-01**								
Chloride	43.5	1.0	mg/L	10.00	41.6	19	80-120			QM-07
Nitrate as N	20.4	0.40	"	4.000	19.0	36	85-115			QM-07
Sulfate as SO4	70.0	0.5	"	5.000	70.5	NR	80-120			QM-07
Matrix Spike Dup (C001308-MSD1)		**Source: C6E0912-01**								
Chloride	43.5	1.0	mg/L	10.00	41.6	18	80-120	1	20	QM-07
Nitrate as N	20.3	0.40	"	4.000	19.0	34	85-115	0.2	20	QM-07
Sulfate as SO4	74.1	0.5	"	5.000	70.5	72	80-120	6	20	QM-07
Batch C001358 - NO PREP				**Prepared: 05/12/16 Analyzed: 05/13/16**						
Blank (C001358-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001358-DUP1)		**Source: C6E1114-01**								
Total Dissolved Solids (TDS)	1210	10.0	mg/L		1180			3	10	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1116 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001376 - NO PREP				**Prepared: 05/16/16 Analyzed: 05/17/16**						
Blank (C001376-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001376-BS1)										
Total Alkalinity as CaCO3	38.3	20.0	mg/L	40.00		96	80-120			
LCS Dup (C001376-BSD1)										
Total Alkalinity as CaCO3	37.8	20.0	mg/L	40.00		94	80-120	1	2	
Matrix Spike (C001376-MS1)		**Source: C6E1112-01**								
Total Alkalinity as CaCO3	137	20.0	mg/L	40.00	102	89	80-120			
Matrix Spike Dup (C001376-MSD1)		**Source: C6E1112-01**								
Total Alkalinity as CaCO3	138	20.0	mg/L	40.00	102	91	80-120	0.6	20	
Batch C001413 - NONE				**Prepared & Analyzed: 05/19/16**						
Blank (C001413-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001413-BS1)										
Calcium	10.5	1.0	mg/L	10.00		105	80-120			
Magnesium	10.4	1.0	"	10.00		104	80-120			
Potassium	9.58	1.0	"	10.00		96	80-120			
Sodium	10.5	1.0	"	10.00		105	80-120			
LCS Dup (C001413-BSD1)										
Calcium	10.2	1.0	mg/L	10.00		102	80-120	3	20	
Magnesium	10.2	1.0	"	10.00		102	80-120	2	20	
Potassium	9.31	1.0	"	10.00		93	80-120	3	20	
Sodium	10.2	1.0	"	10.00		102	80-120	3	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6E1116 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila **Date Rec'd:** 05/11/16
8119 Ellington Avenue
Hilmar, CA 95324

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001413 - NONE				**Prepared & Analyzed: 05/19/16**						
Matrix Spike (C001413-MS1)		**Source: C6E1105-01**								
Calcium	51.6	1.0	mg/L	10.00	42.2	94	80-120			
Magnesium	22.0	1.0	"	10.00	12.4	96	80-120			
Potassium	14.9	1.0	"	10.00	4.20	107	80-120			
Sodium	48.5	1.0	"	10.00	38.9	96	80-120			
Matrix Spike Dup (C001413-MSD1)		**Source: C6E1105-01**								
Calcium	52.0	1.0	mg/L	10.00	42.2	98	80-120	0.8	20	
Magnesium	22.1	1.0	"	10.00	12.4	97	80-120	0.5	20	
Potassium	15.0	1.0	"	10.00	4.20	108	80-120	0.7	20	
Sodium	48.9	1.0	"	10.00	38.9	100	80-120	0.8	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6E1116 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Microbiology - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001350 - BIO				**Prepared: 05/11/16 Analyzed: 05/12/16**						
Blank (C001350-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001350-DUP1)		**Source: C6E1124-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Absent		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6E1116 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila **Date Rec'd:** 05/11/16
8119 Ellington Avenue
Hilmar, CA 95324

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # CGF1116

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature) R. Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
5/11/16	11:35 Am	✓			4230 W. Linwood		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
5/11/16	11:35 Am	✓			4230 W. Linwood		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	5/11/16	12:18 pm	[illegible]	5-11-16	1218
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 -NaOH 4 $Na_2S_2O_3$ 5 -HNO_3 6 -H_2SO_4 7 -Other

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers 55 Gallon Drums

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1115 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 4200 W Linwood

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6E1115-01	5/11/2016 11:50	1.0	200.7	Calcium	**110**	mg/L		05/19/16 08:44
		1.0		Magnesium	**33.8**	mg/L		"
		1.0		Potassium	**4.4**	mg/L		"
		1.0		Sodium	**112**	mg/L		"
		5.0	300.0	Chloride	**103**	mg/L		05/11/16 17:27
		2.00		Nitrate as N	**18.1**	mg/L		"
		2.5		Sulfate as SO4	**82.6**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**873**	mg/L		05/12/16 09:38
		24.4	SM2320B	Bicarbonate as HCO3	**447**	mg/L		05/16/16 08:43
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**366**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		05/11/16 13:05
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1115 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001308 - NO PREP				**Prepared: 05/09/16 Analyzed: 05/16/16**						
Blank (C001308-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001308-BS1)										
Chloride	8.5	1.0	mg/L	10.00		85	80-120			
Nitrate as N	3.42	0.40	"	4.000		86	85-115			
Sulfate as SO4	4.6	0.5	"	5.000		91	80-120			
LCS Dup (C001308-BSD1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120	2	20	
Nitrate as N	3.54	0.40	"	4.000		88	85-115	3	20	
Sulfate as SO4	4.6	0.5	"	5.000		93	80-120	1	20	
Matrix Spike (C001308-MS1)		**Source: C6E0912-01**								
Chloride	43.5	1.0	mg/L	10.00	41.6	19	80-120			QM-07
Nitrate as N	20.4	0.40	"	4.000	19.0	36	85-115			QM-07
Sulfate as SO4	70.0	0.5	"	5.000	70.5	NR	80-120			QM-07
Matrix Spike Dup (C001308-MSD1)		**Source: C6E0912-01**								
Chloride	43.5	1.0	mg/L	10.00	41.6	18	80-120	1	20	QM-07
Nitrate as N	20.3	0.40	"	4.000	19.0	34	85-115	0.2	20	QM-07
Sulfate as SO4	74.1	0.5	"	5.000	70.5	72	80-120	6	20	QM-07
Batch C001358 - NO PREP				**Prepared: 05/12/16 Analyzed: 05/13/16**						
Blank (C001358-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001358-DUP1)		**Source: C6E1114-01**								
Total Dissolved Solids (TDS)	1210	10.0	mg/L		1180			3	10	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1115 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001376 - NO PREP				**Prepared: 05/16/16 Analyzed: 05/17/16**						
Blank (C001376-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001376-BS1)										
Total Alkalinity as CaCO3	38.3	20.0	mg/L	40.00		96	80-120			
LCS Dup (C001376-BSD1)										
Total Alkalinity as CaCO3	37.8	20.0	mg/L	40.00		94	80-120	1	2	
Matrix Spike (C001376-MS1)		**Source: C6E1112-01**								
Total Alkalinity as CaCO3	137	20.0	mg/L	40.00	102	89	80-120			
Matrix Spike Dup (C001376-MSD1)		**Source: C6E1112-01**								
Total Alkalinity as CaCO3	138	20.0	mg/L	40.00	102	91	80-120	0.6	20	
Batch C001413 - NONE				**Prepared & Analyzed: 05/19/16**						
Blank (C001413-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001413-BS1)										
Calcium	10.5	1.0	mg/L	10.00		105	80-120			
Magnesium	10.4	1.0	"	10.00		104	80-120			
Potassium	9.58	1.0	"	10.00		96	80-120			
Sodium	10.5	1.0	"	10.00		105	80-120			
LCS Dup (C001413-BSD1)										
Calcium	10.2	1.0	mg/L	10.00		102	80-120	3	20	
Magnesium	10.2	1.0	"	10.00		102	80-120	2	20	
Potassium	9.31	1.0	"	10.00		93	80-120	3	20	
Sodium	10.2	1.0	"	10.00		102	80-120	3	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1115 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001413 - NONE				**Prepared & Analyzed: 05/19/16**						
Matrix Spike (C001413-MS1)		**Source: C6E1105-01**								
Calcium	51.6	1.0	mg/L	10.00	42.2	94	80-120			
Magnesium	22.0	1.0	"	10.00	12.4	96	80-120			
Potassium	14.9	1.0	"	10.00	4.20	107	80-120			
Sodium	48.5	1.0	"	10.00	38.9	96	80-120			
Matrix Spike Dup (C001413-MSD1)		**Source: C6E1105-01**								
Calcium	52.0	1.0	mg/L	10.00	42.2	98	80-120	0.8	20	
Magnesium	22.1	1.0	"	10.00	12.4	97	80-120	0.5	20	
Potassium	15.0	1.0	"	10.00	4.20	108	80-120	0.7	20	
Sodium	48.9	1.0	"	10.00	38.9	100	80-120	0.8	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1115 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Microbiology - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001350 - BIO				**Prepared: 05/11/16 Analyzed: 05/12/16**						
Blank (C001350-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001350-DUP1)		**Source: C6E1124-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Absent		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6E1115 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # C6E1115

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature) R. Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
5/11/16	11:50 am	✓			4200 W. Linwood		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
5/11/16	11:50 am	✓			4200 W. Linwood		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	5/11/16	12:18 pm	[illegible]	5-11-16	1218
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 -NaOH 4 $Na_2S_2O_3$ 5 -HNO_3 6 -H_2SO_4 7 -Other _____

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers _____ 55 Gallon Drums _____

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1114 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 4318 W Linwood

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6E1114-01	5/11/2016 12:00	1.0	200.7	Calcium	**26**	mg/L		05/19/16 08:44
		1.0		Magnesium	**5.7**	mg/L		"
		1.0		Potassium	**3.9**	mg/L		"
		1.0		Sodium	**23.9**	mg/L		"
		5.0	300.0	Chloride	**174**	mg/L		05/11/16 17:27
		2.00		Nitrate as N	**19.9**	mg/L		"
		2.5		Sulfate as SO4	**110**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**1180**	mg/L		05/12/16 09:38
		24.4	SM2320B	Bicarbonate as HCO3	**655**	mg/L		05/16/16 08:43
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**537**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		05/11/16 13:05
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1114 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001308 - NO PREP				**Prepared: 05/09/16 Analyzed: 05/16/16**						
Blank (C001308-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001308-BS1)										
Chloride	8.5	1.0	mg/L	10.00		85	80-120			
Nitrate as N	3.42	0.40	"	4.000		86	85-115			
Sulfate as SO4	4.6	0.5	"	5.000		91	80-120			
LCS Dup (C001308-BSD1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120	2	20	
Nitrate as N	3.54	0.40	"	4.000		88	85-115	3	20	
Sulfate as SO4	4.6	0.5	"	5.000		93	80-120	1	20	
Matrix Spike (C001308-MS1)	**Source: C6E0912-01**									
Chloride	43.5	1.0	mg/L	10.00	41.6	19	80-120			QM-07
Nitrate as N	20.4	0.40	"	4.000	19.0	36	85-115			QM-07
Sulfate as SO4	70.0	0.5	"	5.000	70.5	NR	80-120			QM-07
Matrix Spike Dup (C001308-MSD1)	**Source: C6E0912-01**									
Chloride	43.5	1.0	mg/L	10.00	41.6	18	80-120	1	20	QM-07
Nitrate as N	20.3	0.40	"	4.000	19.0	34	85-115	0.2	20	QM-07
Sulfate as SO4	74.1	0.5	"	5.000	70.5	72	80-120	6	20	QM-07
Batch C001358 - NO PREP				**Prepared: 05/12/16 Analyzed: 05/13/16**						
Blank (C001358-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001358-DUP1)	**Source: C6E1114-01**									
Total Dissolved Solids (TDS)	1210	10.0	mg/L		1180			3	10	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1114 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001376 - NO PREP				**Prepared: 05/16/16 Analyzed: 05/17/16**						
Blank (C001376-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001376-BS1)										
Total Alkalinity as CaCO3	38.3	20.0	mg/L	40.00		96	80-120			
LCS Dup (C001376-BSD1)										
Total Alkalinity as CaCO3	37.8	20.0	mg/L	40.00		94	80-120	1	2	
Matrix Spike (C001376-MS1)		**Source: C6E1112-01**								
Total Alkalinity as CaCO3	137	20.0	mg/L	40.00	102	89	80-120			
Matrix Spike Dup (C001376-MSD1)		**Source: C6E1112-01**								
Total Alkalinity as CaCO3	138	20.0	mg/L	40.00	102	91	80-120	0.6	20	
Batch C001413 - NONE				**Prepared & Analyzed: 05/19/16**						
Blank (C001413-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001413-BS1)										
Calcium	10.5	1.0	mg/L	10.00		105	80-120			
Magnesium	10.4	1.0	"	10.00		104	80-120			
Potassium	9.58	1.0	"	10.00		96	80-120			
Sodium	10.5	1.0	"	10.00		105	80-120			
LCS Dup (C001413-BSD1)										
Calcium	10.2	1.0	mg/L	10.00		102	80-120	3	20	
Magnesium	10.2	1.0	"	10.00		102	80-120	2	20	
Potassium	9.31	1.0	"	10.00		93	80-120	3	20	
Sodium	10.2	1.0	"	10.00		102	80-120	3	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1114 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001413 - NONE				**Prepared & Analyzed: 05/19/16**						
Matrix Spike (C001413-MS1)		**Source: C6E1105-01**								
Calcium	51.6	1.0	mg/L	10.00	42.2	94	80-120			
Magnesium	22.0	1.0	"	10.00	12.4	96	80-120			
Potassium	14.9	1.0	"	10.00	4.20	107	80-120			
Sodium	48.5	1.0	"	10.00	38.9	96	80-120			
Matrix Spike Dup (C001413-MSD1)		**Source: C6E1105-01**								
Calcium	52.0	1.0	mg/L	10.00	42.2	98	80-120	0.8	20	
Magnesium	22.1	1.0	"	10.00	12.4	97	80-120	0.5	20	
Potassium	15.0	1.0	"	10.00	4.20	108	80-120	0.7	20	
Sodium	48.9	1.0	"	10.00	38.9	100	80-120	0.8	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E1114 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Microbiology - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001348 - BIO				**Prepared: 05/11/16 Analyzed: 05/12/16**						
Blank (C001348-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001348-DUP1)		**Source: C6E1109-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Absent		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6E1114 **Project: Linwood Discharge** **Date:** 05/24/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/11/16

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # 16E1114

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature) R. Avila

Date	Time	Sample type: Grab	Sample type: Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
5/11/16	12:00pm	✓			4318 W. Linwood		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
5/11/16	12:00pm	✓			4318 W. Linwood		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	5/11/16	12:18pm	[illegible]	5-11-16	1218
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 NaOH 4 $Na_2S_2O_3$ 5 HNO_3 6 H_2SO_4 7 Other _____

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers _____ 55 Gallon Drums _____

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2516 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 3928 W Linwood

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6E2516-01	5/25/2016 11:52	1.0	200.7	Calcium	**71**	mg/L		05/31/16 08:24
		1.0		Magnesium	**22.6**	mg/L		"
		1.0		Potassium	**3.5**	mg/L		"
		1.0		Sodium	**61.9**	mg/L		"
		1.0	300.0	Chloride	**43.2**	mg/L		05/25/16 15:30
		4.00		Nitrate as N	**20.9**	mg/L		"
		5.0		Sulfate as SO4	**48.2**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**582**	mg/L		05/26/16 09:41
		24.4	SM2320B	Bicarbonate as HCO3	**315**	mg/L		05/26/16 07:48
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**258**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		05/25/16 13:25
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2516 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001486 - NO PREP				**Prepared: 05/25/16 Analyzed: 05/26/16**						
Blank (C001486-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001486-BS1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120			
Nitrate as N	3.39	0.40	"	4.000		85	85-115			
Sulfate as SO4	4.8	0.5	"	5.000		95	80-120			
LCS Dup (C001486-BSD1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120	0.3	20	
Nitrate as N	3.39	0.40	"	4.000		85	85-115	0.03	20	
Sulfate as SO4	4.9	0.5	"	5.000		97	80-120	2	20	
Matrix Spike (C001486-MS1)		**Source: C6E2516-01**								
Chloride	45.1	1.0	mg/L	10.00	43.2	19	80-120			QM-07
Nitrate as N	21.8	0.40	"	4.000	20.9	22	85-115			QM-07
Sulfate as SO4	51.3	0.5	"	5.000	48.2	64	80-120			QM-07
Matrix Spike Dup (C001486-MSD1)		**Source: C6E2516-01**								
Chloride	45.0	1.0	mg/L	10.00	43.2	18	80-120	6	20	QM-07
Nitrate as N	22.1	0.40	"	4.000	20.9	29	85-115	1	20	QM-07
Sulfate as SO4	51.2	0.5	"	5.000	48.2	60	80-120	0.3	20	QM-07
Batch C001492 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
Blank (C001492-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001492-BS1)										
Total Alkalinity as CaCO3	40.7	20.0	mg/L	40.00		102	80-120			

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2516 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001492 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
LCS Dup (C001492-BSD1)										
Total Alkalinity as CaCO3	40.7	20.0	mg/L	40.00		102	80-120	0	10	
Matrix Spike (C001492-MS1)		**Source: C6E2516-01**								
Total Alkalinity as CaCO3	299	20.0	mg/L	40.00	258	102	80-120			
Matrix Spike Dup (C001492-MSD1)		**Source: C6E2516-01**								
Total Alkalinity as CaCO3	298	20.0	mg/L	40.00	258	99	80-120	0.3	20	
Batch C001498 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
Blank (C001498-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001498-DUP1)		**Source: C6E2512-01**								
Total Dissolved Solids (TDS)	1170	10.0	mg/L		1170			0	10	
Batch C001504 - NONE				**Prepared & Analyzed: 05/31/16**						
Blank (C001504-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001504-BS1)										
Calcium	10.4	1.0	mg/L	10.00		104	80-120			
Magnesium	10.4	1.0	"	10.00		104	80-120			
Potassium	9.94	1.0	"	10.00		99	80-120			
Sodium	10.7	1.0	"	10.00		107	80-120			
LCS Dup (C001504-BSD1)										
Calcium	10.3	1.0	mg/L	10.00		103	80-120	1	20	
Magnesium	10.3	1.0	"	10.00		103	80-120	1	20	
Potassium	9.78	1.0	"	10.00		98	80-120	2	20	
Sodium	10.5	1.0	"	10.00		105	80-120	2	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2516 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001504 - NONE				**Prepared & Analyzed: 05/31/16**						
Matrix Spike (C001504-MS1)		**Source: C6E2506-01**								
Calcium	36.6	1.0	mg/L	10.00	27.1	95	80-120			
Magnesium	16.6	1.0	"	10.00	6.90	97	80-120			
Potassium	13.4	1.0	"	10.00	2.80	106	80-120			
Sodium	44.7	1.0	"	10.00	35.3	94	80-120			
Matrix Spike Dup (C001504-MSD1)		**Source: C6E2506-01**								
Calcium	36.7	1.0	mg/L	10.00	27.1	96	80-120	0.3	20	
Magnesium	16.6	1.0	"	10.00	6.90	97	80-120	0	20	
Potassium	13.5	1.0	"	10.00	2.80	107	80-120	0.7	20	
Sodium	44.7	1.0	"	10.00	35.3	94	80-120	0	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2516 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Microbiology - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001488 - BIO				**Prepared: 05/25/16 Analyzed: 05/26/16**						
Blank (C001488-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001488-DUP1)	**Source: C6E2512-01**									
E. Coli	Absent		NA		0.0				0	
Total Coliform	Absent		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2516 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # C6E2516

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature) R. Avila

Date	Time	Sample type: Grab	Sample type: Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
5/25/16	11:52 am	✓			3928 W. Linwood		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
5/25/16	11:52 am	✓			3928 W. Linwood		100ml	1			✓	✓					✓		

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	5/25/16	12:05 pm	[signature]	5-25-16	1205
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 NaOH 4 $Na_2S_2O_3$ 5 HNO_3 6 H_2SO_4 7 Other _____

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers _____ 55 Gallon Drums _____ Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By: _____

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2515 **Project:** Linwood Discharge **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 4200 W Linwood

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6E2515-01	5/25/2016 11:39	1.0	200.7	Calcium	**110**	mg/L		05/31/16 08:24
		1.0		Magnesium	**33.5**	mg/L		"
		1.0		Potassium	**4.7**	mg/L		"
		1.0		Sodium	**117**	mg/L		"
		10.0	300.0	Chloride	**101**	mg/L		05/25/16 15:30
		4.00		Nitrate as N	**17.7**	mg/L		"
		5.0		Sulfate as SO4	**74.2**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**870**	mg/L		05/26/16 09:41
		24.4	SM2320B	Bicarbonate as HCO3	**471**	mg/L		05/26/16 07:48
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**386**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		05/25/16 13:25
		NA		Total Coliform	Present	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2515 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001486 - NO PREP				**Prepared: 05/25/16 Analyzed: 05/26/16**						
Blank (C001486-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001486-BS1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120			
Nitrate as N	3.39	0.40	"	4.000		85	85-115			
Sulfate as SO4	4.8	0.5	"	5.000		95	80-120			
LCS Dup (C001486-BSD1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120	0.3	20	
Nitrate as N	3.39	0.40	"	4.000		85	85-115	0.03	20	
Sulfate as SO4	4.9	0.5	"	5.000		97	80-120	2	20	
Matrix Spike (C001486-MS1)		**Source: C6E2516-01**								
Chloride	45.1	1.0	mg/L	10.00	43.2	19	80-120			QM-07
Nitrate as N	21.8	0.40	"	4.000	20.9	22	85-115			QM-07
Sulfate as SO4	51.3	0.5	"	5.000	48.2	64	80-120			QM-07
Matrix Spike Dup (C001486-MSD1)		**Source: C6E2516-01**								
Chloride	45.0	1.0	mg/L	10.00	43.2	18	80-120	6	20	QM-07
Nitrate as N	22.1	0.40	"	4.000	20.9	29	85-115	1	20	QM-07
Sulfate as SO4	51.2	0.5	"	5.000	48.2	60	80-120	0.3	20	QM-07
Batch C001492 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
Blank (C001492-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001492-BS1)										
Total Alkalinity as CaCO3	40.7	20.0	mg/L	40.00		102	80-120			

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2515 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001492 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
LCS Dup (C001492-BSD1)										
Total Alkalinity as CaCO3	40.7	20.0	mg/L	40.00		102	80-120	0	10	
Matrix Spike (C001492-MS1)		**Source: C6E2516-01**								
Total Alkalinity as CaCO3	299	20.0	mg/L	40.00	258	102	80-120			
Matrix Spike Dup (C001492-MSD1)		**Source: C6E2516-01**								
Total Alkalinity as CaCO3	298	20.0	mg/L	40.00	258	99	80-120	0.3	20	
Batch C001498 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
Blank (C001498-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001498-DUP1)		**Source: C6E2512-01**								
Total Dissolved Solids (TDS)	1170	10.0	mg/L		1170			0	10	
Batch C001504 - NONE				**Prepared & Analyzed: 05/31/16**						
Blank (C001504-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001504-BS1)										
Calcium	10.4	1.0	mg/L	10.00		104	80-120			
Magnesium	10.4	1.0	"	10.00		104	80-120			
Potassium	9.94	1.0	"	10.00		99	80-120			
Sodium	10.7	1.0	"	10.00		107	80-120			
LCS Dup (C001504-BSD1)										
Calcium	10.3	1.0	mg/L	10.00		103	80-120	1	20	
Magnesium	10.3	1.0	"	10.00		103	80-120	1	20	
Potassium	9.78	1.0	"	10.00		98	80-120	2	20	
Sodium	10.5	1.0	"	10.00		105	80-120	2	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2515 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001504 - NONE				**Prepared & Analyzed: 05/31/16**						
Matrix Spike (C001504-MS1)		**Source: C6E2506-01**								
Calcium	36.6	1.0	mg/L	10.00	27.1	95	80-120			
Magnesium	16.6	1.0	"	10.00	6.90	97	80-120			
Potassium	13.4	1.0	"	10.00	2.80	106	80-120			
Sodium	44.7	1.0	"	10.00	35.3	94	80-120			
Matrix Spike Dup (C001504-MSD1)		**Source: C6E2506-01**								
Calcium	36.7	1.0	mg/L	10.00	27.1	96	80-120	0.3	20	
Magnesium	16.6	1.0	"	10.00	6.90	97	80-120	0	20	
Potassium	13.5	1.0	"	10.00	2.80	107	80-120	0.7	20	
Sodium	44.7	1.0	"	10.00	35.3	94	80-120	0	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2515 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Microbiology - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001488 - BIO				**Prepared: 05/25/16 Analyzed: 05/26/16**						
Blank (C001488-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001488-DUP1)		**Source: C6E2512-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Absent		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6E2515 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
P	Present
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380
Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # C6E2515
Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No
Regulator:
Phone: (209) 669-7919
Fax: (209) 250-1919
Original To: frontdesk@randjavila.com
C.C To:

Client: R & J Avila, Inc.
Address: 8119 Ellington Ave
City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT
☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila
(Signature) R. Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
5/25/16	11:39 Am	✓			4200 W. Linwood		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
5/25/16	11:39 Am	✓			4200 W. Linwood		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	5/25/16	12:05pm	[illegible]	5-25-16	1205
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 NaOH 4 $Na_2S_2O_3$ 5 HNO_3 6 H_2SO_4 7 Other

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers 55 Gallon Drums Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2514 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 4207 Linwood

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6E2514-01	5/25/2016 11:26	1.0	200.7	Calcium	**18**	mg/L		05/31/16 08:24
		1.0		Magnesium	**3.1**	mg/L		"
		1.0		Potassium	**2.9**	mg/L		"
		1.0		Sodium	**28.9**	mg/L		"
		1.0	300.0	Chloride	**26.3**	mg/L		05/25/16 15:30
		0.40		Nitrate as N	**1.18**	mg/L		"
		0.5		Sulfate as SO4	**4.3**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**185**	mg/L		05/26/16 09:41
		24.4	SM2320B	Bicarbonate as HCO3	**106**	mg/L		05/26/16 07:48
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**87.0**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		05/25/16 13:25
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2514 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001486 - NO PREP				**Prepared: 05/25/16 Analyzed: 05/26/16**						
Blank (C001486-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001486-BS1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120			
Nitrate as N	3.39	0.40	"	4.000		85	85-115			
Sulfate as SO4	4.8	0.5	"	5.000		95	80-120			
LCS Dup (C001486-BSD1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120	0.3	20	
Nitrate as N	3.39	0.40	"	4.000		85	85-115	0.03	20	
Sulfate as SO4	4.9	0.5	"	5.000		97	80-120	2	20	
Matrix Spike (C001486-MS1)		**Source: C6E2516-01**								
Chloride	45.1	1.0	mg/L	10.00	43.2	19	80-120			QM-07
Nitrate as N	21.8	0.40	"	4.000	20.9	22	85-115			QM-07
Sulfate as SO4	51.3	0.5	"	5.000	48.2	64	80-120			QM-07
Matrix Spike Dup (C001486-MSD1)		**Source: C6E2516-01**								
Chloride	45.0	1.0	mg/L	10.00	43.2	18	80-120	6	20	QM-07
Nitrate as N	22.1	0.40	"	4.000	20.9	29	85-115	1	20	QM-07
Sulfate as SO4	51.2	0.5	"	5.000	48.2	60	80-120	0.3	20	QM-07
Batch C001492 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
Blank (C001492-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001492-BS1)										
Total Alkalinity as CaCO3	40.7	20.0	mg/L	40.00		102	80-120			

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2514 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001492 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
LCS Dup (C001492-BSD1)										
Total Alkalinity as CaCO3	40.7	20.0	mg/L	40.00		102	80-120	0	10	
Matrix Spike (C001492-MS1)		**Source: C6E2516-01**								
Total Alkalinity as CaCO3	299	20.0	mg/L	40.00	258	102	80-120			
Matrix Spike Dup (C001492-MSD1)		**Source: C6E2516-01**								
Total Alkalinity as CaCO3	298	20.0	mg/L	40.00	258	99	80-120	0.3	20	
Batch C001498 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
Blank (C001498-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001498-DUP1)		**Source: C6E2512-01**								
Total Dissolved Solids (TDS)	1170	10.0	mg/L		1170			0	10	
Batch C001504 - NONE				**Prepared & Analyzed: 05/31/16**						
Blank (C001504-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001504-BS1)										
Calcium	10.4	1.0	mg/L	10.00		104	80-120			
Magnesium	10.4	1.0	"	10.00		104	80-120			
Potassium	9.94	1.0	"	10.00		99	80-120			
Sodium	10.7	1.0	"	10.00		107	80-120			
LCS Dup (C001504-BSD1)										
Calcium	10.3	1.0	mg/L	10.00		103	80-120	1	20	
Magnesium	10.3	1.0	"	10.00		103	80-120	1	20	
Potassium	9.78	1.0	"	10.00		98	80-120	2	20	
Sodium	10.5	1.0	"	10.00		105	80-120	2	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6E2514 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001504 - NONE				**Prepared & Analyzed: 05/31/16**						
Matrix Spike (C001504-MS1)		**Source: C6E2506-01**								
Calcium	36.6	1.0	mg/L	10.00	27.1	95	80-120			
Magnesium	16.6	1.0	"	10.00	6.90	97	80-120			
Potassium	13.4	1.0	"	10.00	2.80	106	80-120			
Sodium	44.7	1.0	"	10.00	35.3	94	80-120			
Matrix Spike Dup (C001504-MSD1)		**Source: C6E2506-01**								
Calcium	36.7	1.0	mg/L	10.00	27.1	96	80-120	0.3	20	
Magnesium	16.6	1.0	"	10.00	6.90	97	80-120	0	20	
Potassium	13.5	1.0	"	10.00	2.80	107	80-120	0.7	20	
Sodium	44.7	1.0	"	10.00	35.3	94	80-120	0	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2514 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Microbiology - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001488 - BIO			**Prepared: 05/25/16 Analyzed: 05/26/16**							
Blank (C001488-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001488-DUP1)		**Source: C6E2512-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Absent		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2514 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # C6E2514

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature) R. Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
5/25/16	11:26 Am	✓			4207 Linwood		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
5/25/16	11:26 Am	✓			4207 Linwood		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	5/25/16	12:05 Pm	[signature]	5-25-16	1205
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 NaOH 4 $Na_2S_2O_3$ 5 HNO_3 6 H_2SO_4 7 Other

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers _____ 55 Gallon Drums _____ Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2513 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 4230 W Linwood

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6E2513-01	5/25/2016 11:16	1.0	200.7	Calcium	**100**	mg/L		05/31/16 08:24
		1.0		Magnesium	**36.1**	mg/L		"
		1.0		Potassium	**4.5**	mg/L		"
		1.0		Sodium	**104**	mg/L		"
		10.0	300.0	Chloride	**103**	mg/L		05/25/16 17:06
		0.40		Nitrate as N	**13.8**	mg/L		"
		5.0		Sulfate as SO4	**75.4**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**850**	mg/L		05/26/16 09:41
		24.4	SM2320B	Bicarbonate as HCO3	**508**	mg/L		05/26/16 07:48
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**416**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		05/25/16 13:25
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2513 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001463 - NO PREP				**Prepared: 05/24/16 Analyzed: 05/26/16**						
Blank (C001463-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001463-BS1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120			
Nitrate as N	3.52	0.40	"	4.000		88	85-115			
Sulfate as SO4	5.2	0.5	"	5.000		103	80-120			
LCS Dup (C001463-BSD1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120	0.01	20	
Nitrate as N	3.41	0.40	"	4.000		85	85-115	3	20	
Sulfate as SO4	4.9	0.5	"	5.000		98	80-120	5	20	
Matrix Spike (C001463-MS1)		**Source: C6E2303-01**								
Chloride	523	1.0	mg/L	10.00	581	NR	80-120			QM-02
Nitrate as N	3.77	0.40	"	4.000	ND	94	85-115			
Sulfate as SO4	1750	0.5	"	5.000	2030	NR	80-120			QM-02
Matrix Spike Dup (C001463-MSD1)		**Source: C6E2303-01**								
Chloride	522	1.0	mg/L	10.00	581	NR	80-120	NR	20	QM-02
Nitrate as N	3.77	0.40	"	4.000	ND	94	85-115	0.03	20	
Sulfate as SO4	1750	0.5	"	5.000	2030	NR	80-120	0.2	20	QM-02
Batch C001492 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
Blank (C001492-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001492-BS1)										
Total Alkalinity as CaCO3	40.7	20.0	mg/L	40.00		102	80-120			

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2513 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001492 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
LCS Dup (C001492-BSD1)										
Total Alkalinity as CaCO3	40.7	20.0	mg/L	40.00		102	80-120	0	10	
Matrix Spike (C001492-MS1)		**Source: C6E2516-01**								
Total Alkalinity as CaCO3	299	20.0	mg/L	40.00	258	102	80-120			
Matrix Spike Dup (C001492-MSD1)		**Source: C6E2516-01**								
Total Alkalinity as CaCO3	298	20.0	mg/L	40.00	258	99	80-120	0.3	20	
Batch C001498 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
Blank (C001498-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001498-DUP1)		**Source: C6E2512-01**								
Total Dissolved Solids (TDS)	1170	10.0	mg/L		1170			0	10	
Batch C001504 - NONE				**Prepared & Analyzed: 05/31/16**						
Blank (C001504-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001504-BS1)										
Calcium	10.4	1.0	mg/L	10.00		104	80-120			
Magnesium	10.4	1.0	"	10.00		104	80-120			
Potassium	9.94	1.0	"	10.00		99	80-120			
Sodium	10.7	1.0	"	10.00		107	80-120			
LCS Dup (C001504-BSD1)										
Calcium	10.3	1.0	mg/L	10.00		103	80-120	1	20	
Magnesium	10.3	1.0	"	10.00		103	80-120	1	20	
Potassium	9.78	1.0	"	10.00		98	80-120	2	20	
Sodium	10.5	1.0	"	10.00		105	80-120	2	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2513 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001504 - NONE				**Prepared & Analyzed: 05/31/16**						
Matrix Spike (C001504-MS1)		**Source: C6E2506-01**								
Calcium	36.6	1.0	mg/L	10.00	27.1	95	80-120			
Magnesium	16.6	1.0	"	10.00	6.90	97	80-120			
Potassium	13.4	1.0	"	10.00	2.80	106	80-120			
Sodium	44.7	1.0	"	10.00	35.3	94	80-120			
Matrix Spike Dup (C001504-MSD1)		**Source: C6E2506-01**								
Calcium	36.7	1.0	mg/L	10.00	27.1	96	80-120	0.3	20	
Magnesium	16.6	1.0	"	10.00	6.90	97	80-120	0	20	
Potassium	13.5	1.0	"	10.00	2.80	107	80-120	0.7	20	
Sodium	44.7	1.0	"	10.00	35.3	94	80-120	0	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2513 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Microbiology - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001488 - BIO				**Prepared: 05/25/16 Analyzed: 05/26/16**						
Blank (C001488-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001488-DUP1)		**Source: C6E2512-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Absent		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2513 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Notes and Definitions

QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # CLE2513
Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No
Regulator:
Phone: (209) 669-7919
Fax: (209) 250-1919
Original To: frontdesk@randjavila.com
C.C To:

Client: R & J Avila, Inc.
Address: 8119 Ellington Ave
City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT
☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila
(Signature)

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
5/25/16	11:16 Am	✓			4230 W. Linwood		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
5/25/16	11:16 Am	✓			4230 W. Linwood		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	5/25/16	12:05 pm	[illegible]	5-25-16	1205
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 -NaOH 4 $Na_2S_2O_3$ 5 -HNO_3 6 -H_2SO_4 7 -Other _____

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers _____ 55 Gallon Drums _____

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2512 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 4318 W Linwood

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6E2512-01	5/25/2016 11:05	1.0	200.7	Calcium	**140**	mg/L		05/31/16 08:24
		1.0		Magnesium	**48.5**	mg/L		"
		1.0		Potassium	**4.6**	mg/L		"
		1.0		Sodium	**139**	mg/L		"
		10.0	300.0	Chloride	**165**	mg/L		05/25/16 17:06
		4.00		Nitrate as N	**19.8**	mg/L		"
		5.0		Sulfate as SO4	**94.7**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**1170**	mg/L		05/26/16 09:41
		24.4	SM2320B	Bicarbonate as HCO3	**670**	mg/L		05/26/16 07:48
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**549**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		05/25/16 13:25
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2512 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001463 - NO PREP				**Prepared: 05/24/16 Analyzed: 05/26/16**						
Blank (C001463-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001463-BS1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120			
Nitrate as N	3.52	0.40	"	4.000		88	85-115			
Sulfate as SO4	5.2	0.5	"	5.000		103	80-120			
LCS Dup (C001463-BSD1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120	0.01	20	
Nitrate as N	3.41	0.40	"	4.000		85	85-115	3	20	
Sulfate as SO4	4.9	0.5	"	5.000		98	80-120	5	20	
Matrix Spike (C001463-MS1)		**Source: C6E2303-01**								
Chloride	523	1.0	mg/L	10.00	581	NR	80-120			QM-02
Nitrate as N	3.77	0.40	"	4.000	ND	94	85-115			
Sulfate as SO4	1750	0.5	"	5.000	2030	NR	80-120			QM-02
Matrix Spike Dup (C001463-MSD1)		**Source: C6E2303-01**								
Chloride	522	1.0	mg/L	10.00	581	NR	80-120	NR	20	QM-02
Nitrate as N	3.77	0.40	"	4.000	ND	94	85-115	0.03	20	
Sulfate as SO4	1750	0.5	"	5.000	2030	NR	80-120	0.2	20	QM-02
Batch C001492 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
Blank (C001492-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001492-BS1)										
Total Alkalinity as CaCO3	40.7	20.0	mg/L	40.00		102	80-120			

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2512 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001492 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
LCS Dup (C001492-BSD1)										
Total Alkalinity as CaCO3	40.7	20.0	mg/L	40.00		102	80-120	0	10	
Matrix Spike (C001492-MS1)		**Source: C6E2516-01**								
Total Alkalinity as CaCO3	299	20.0	mg/L	40.00	258	102	80-120			
Matrix Spike Dup (C001492-MSD1)		**Source: C6E2516-01**								
Total Alkalinity as CaCO3	298	20.0	mg/L	40.00	258	99	80-120	0.3	20	
Batch C001498 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
Blank (C001498-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001498-DUP1)		**Source: C6E2512-01**								
Total Dissolved Solids (TDS)	1170	10.0	mg/L		1170			0	10	
Batch C001504 - NONE				**Prepared & Analyzed: 05/31/16**						
Blank (C001504-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001504-BS1)										
Calcium	10.4	1.0	mg/L	10.00		104	80-120			
Magnesium	10.4	1.0	"	10.00		104	80-120			
Potassium	9.94	1.0	"	10.00		99	80-120			
Sodium	10.7	1.0	"	10.00		107	80-120			
LCS Dup (C001504-BSD1)										
Calcium	10.3	1.0	mg/L	10.00		103	80-120	1	20	
Magnesium	10.3	1.0	"	10.00		103	80-120	1	20	
Potassium	9.78	1.0	"	10.00		98	80-120	2	20	
Sodium	10.5	1.0	"	10.00		105	80-120	2	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2512 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001504 - NONE				**Prepared & Analyzed: 05/31/16**						
Matrix Spike (C001504-MS1)		**Source: C6E2506-01**								
Calcium	36.6	1.0	mg/L	10.00	27.1	95	80-120			
Magnesium	16.6	1.0	"	10.00	6.90	97	80-120			
Potassium	13.4	1.0	"	10.00	2.80	106	80-120			
Sodium	44.7	1.0	"	10.00	35.3	94	80-120			
Matrix Spike Dup (C001504-MSD1)		**Source: C6E2506-01**								
Calcium	36.7	1.0	mg/L	10.00	27.1	96	80-120	0.3	20	
Magnesium	16.6	1.0	"	10.00	6.90	97	80-120	0	20	
Potassium	13.5	1.0	"	10.00	2.80	107	80-120	0.7	20	
Sodium	44.7	1.0	"	10.00	35.3	94	80-120	0	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2512 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Microbiology - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001488 - BIO				**Prepared: 05/25/16 Analyzed: 05/26/16**						
Blank (C001488-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001488-DUP1)		**Source: C6E2512-01**								
E. Coli	Absent		NA		Absent				0	
Total Coliform	Absent		"		Absent				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6E2512 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Notes and Definitions

QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # C6E2512

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature) R. Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
5/25/16	11:05 am	✓			4318 W. Linwood		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
5/25/16	11:05 am	✓			4318 W. Linwood		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	5/25/16	12:05 pm	[illegible]	5-25-16	1205
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 NaOH 4 $Na_2S_2O_3$ 5 HNO_3 6 H_2SO_4 7 Other _____

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers _____ 55 Gallon Drums _____

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2511 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 4406 Linwood House

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6E2511-01	5/25/2016 10:50	1.0	200.7	Calcium	**100**	mg/L		05/31/16 08:24
		1.0		Magnesium	**36.7**	mg/L		"
		1.0		Potassium	**4.1**	mg/L		"
		1.0		Sodium	**117**	mg/L		"
		10.0	300.0	Chloride	**103**	mg/L		05/25/16 17:06
		0.40		Nitrate as N	**14.9**	mg/L		"
		5.0		Sulfate as SO4	**74.5**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**851**	mg/L		05/26/16 09:41
		24.4	SM2320B	Bicarbonate as HCO3	**505**	mg/L		05/26/16 07:48
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**414**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		05/25/16 13:25
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2511 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001463 - NO PREP				**Prepared: 05/24/16 Analyzed: 05/26/16**						
Blank (C001463-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001463-BS1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120			
Nitrate as N	3.52	0.40	"	4.000		88	85-115			
Sulfate as SO4	5.2	0.5	"	5.000		103	80-120			
LCS Dup (C001463-BSD1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120	0.01	20	
Nitrate as N	3.41	0.40	"	4.000		85	85-115	3	20	
Sulfate as SO4	4.9	0.5	"	5.000		98	80-120	5	20	
Matrix Spike (C001463-MS1)		**Source: C6E2303-01**								
Chloride	523	1.0	mg/L	10.00	581	NR	80-120			QM-02
Nitrate as N	3.77	0.40	"	4.000	ND	94	85-115			
Sulfate as SO4	1750	0.5	"	5.000	2030	NR	80-120			QM-02
Matrix Spike Dup (C001463-MSD1)		**Source: C6E2303-01**								
Chloride	522	1.0	mg/L	10.00	581	NR	80-120	NR	20	QM-02
Nitrate as N	3.77	0.40	"	4.000	ND	94	85-115	0.03	20	
Sulfate as SO4	1750	0.5	"	5.000	2030	NR	80-120	0.2	20	QM-02
Batch C001492 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
Blank (C001492-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001492-BS1)										
Total Alkalinity as CaCO3	40.7	20.0	mg/L	40.00		102	80-120			

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2511 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001492 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
LCS Dup (C001492-BSD1)										
Total Alkalinity as CaCO3	40.7	20.0	mg/L	40.00		102	80-120	0	10	
Matrix Spike (C001492-MS1)		**Source: C6E2516-01**								
Total Alkalinity as CaCO3	299	20.0	mg/L	40.00	258	102	80-120			
Matrix Spike Dup (C001492-MSD1)		**Source: C6E2516-01**								
Total Alkalinity as CaCO3	298	20.0	mg/L	40.00	258	99	80-120	0.3	20	
Batch C001498 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
Blank (C001498-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001498-DUP1)		**Source: C6E2512-01**								
Total Dissolved Solids (TDS)	1170	10.0	mg/L		1170			0	10	
Batch C001504 - NONE				**Prepared & Analyzed: 05/31/16**						
Blank (C001504-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001504-BS1)										
Calcium	10.4	1.0	mg/L	10.00		104	80-120			
Magnesium	10.4	1.0	"	10.00		104	80-120			
Potassium	9.94	1.0	"	10.00		99	80-120			
Sodium	10.7	1.0	"	10.00		107	80-120			
LCS Dup (C001504-BSD1)										
Calcium	10.3	1.0	mg/L	10.00		103	80-120	1	20	
Magnesium	10.3	1.0	"	10.00		103	80-120	1	20	
Potassium	9.78	1.0	"	10.00		98	80-120	2	20	
Sodium	10.5	1.0	"	10.00		105	80-120	2	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2511 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001504 - NONE				**Prepared & Analyzed: 05/31/16**						
Matrix Spike (C001504-MS1)		**Source: C6E2506-01**								
Calcium	36.6	1.0	mg/L	10.00	27.1	95	80-120			
Magnesium	16.6	1.0	"	10.00	6.90	97	80-120			
Potassium	13.4	1.0	"	10.00	2.80	106	80-120			
Sodium	44.7	1.0	"	10.00	35.3	94	80-120			
Matrix Spike Dup (C001504-MSD1)		**Source: C6E2506-01**								
Calcium	36.7	1.0	mg/L	10.00	27.1	96	80-120	0.3	20	
Magnesium	16.6	1.0	"	10.00	6.90	97	80-120	0	20	
Potassium	13.5	1.0	"	10.00	2.80	107	80-120	0.7	20	
Sodium	44.7	1.0	"	10.00	35.3	94	80-120	0	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2511 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Microbiology - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001488 - BIO			**Prepared: 05/25/16 Analyzed: 05/26/16**							
Blank (C001488-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001488-DUP1)		**Source: C6E2512-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Absent		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2511 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Notes and Definitions

QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # C6E2511

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature) R. Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
5-25-16	10:50 AM	✓			4406 Linwood House		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
5-25-16	10:50 AM	✓			4406 Linwood House		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	5/25/16	12:05 PM	[illegible]	5-25-16	1205
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 NaOH 4 $Na_2S_2O_3$ 5 HNO_3 6 H_2SO_4 7 Other

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers 55 Gallon Drums

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2510 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 4500 W Linwood

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6E2510-01	5/25/2016 10:40	1.0	200.7	Calcium	**21**	mg/L		05/31/16 08:24
		1.0		Magnesium	**5.1**	mg/L		"
		1.0		Potassium	**2.6**	mg/L		"
		1.0		Sodium	**30.4**	mg/L		"
		1.0	300.0	Chloride	**22.3**	mg/L		05/25/16 17:06
		0.40		Nitrate as N	**2.33**	mg/L		"
		0.5		Sulfate as SO4	**5.0**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**213**	mg/L		05/26/16 09:41
		24.4	SM2320B	Bicarbonate as HCO3	**125**	mg/L		05/26/16 07:48
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**102**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		05/25/16 13:25
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2510 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001463 - NO PREP			**Prepared: 05/24/16 Analyzed: 05/26/16**							
Blank (C001463-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001463-BS1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120			
Nitrate as N	3.52	0.40	"	4.000		88	85-115			
Sulfate as SO4	5.2	0.5	"	5.000		103	80-120			
LCS Dup (C001463-BSD1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120	0.01	20	
Nitrate as N	3.41	0.40	"	4.000		85	85-115	3	20	
Sulfate as SO4	4.9	0.5	"	5.000		98	80-120	5	20	
Matrix Spike (C001463-MS1)		**Source: C6E2303-01**								
Chloride	523	1.0	mg/L	10.00	581	NR	80-120			QM-02
Nitrate as N	3.77	0.40	"	4.000	ND	94	85-115			
Sulfate as SO4	1750	0.5	"	5.000	2030	NR	80-120			QM-02
Matrix Spike Dup (C001463-MSD1)		**Source: C6E2303-01**								
Chloride	522	1.0	mg/L	10.00	581	NR	80-120	NR	20	QM-02
Nitrate as N	3.77	0.40	"	4.000	ND	94	85-115	0.03	20	
Sulfate as SO4	1750	0.5	"	5.000	2030	NR	80-120	0.2	20	QM-02
Batch C001492 - NO PREP			**Prepared: 05/26/16 Analyzed: 05/31/16**							
Blank (C001492-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001492-BS1)										
Total Alkalinity as CaCO3	40.7	20.0	mg/L	40.00		102	80-120			

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2510 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001492 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
LCS Dup (C001492-BSD1)										
Total Alkalinity as CaCO3	40.7	20.0	mg/L	40.00		102	80-120	0	10	
Matrix Spike (C001492-MS1)		**Source: C6E2516-01**								
Total Alkalinity as CaCO3	299	20.0	mg/L	40.00	258	102	80-120			
Matrix Spike Dup (C001492-MSD1)		**Source: C6E2516-01**								
Total Alkalinity as CaCO3	298	20.0	mg/L	40.00	258	99	80-120	0.3	20	
Batch C001498 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
Blank (C001498-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001498-DUP1)		**Source: C6E2512-01**								
Total Dissolved Solids (TDS)	1170	10.0	mg/L		1170			0	10	
Batch C001504 - NONE				**Prepared & Analyzed: 05/31/16**						
Blank (C001504-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001504-BS1)										
Calcium	10.4	1.0	mg/L	10.00		104	80-120			
Magnesium	10.4	1.0	"	10.00		104	80-120			
Potassium	9.94	1.0	"	10.00		99	80-120			
Sodium	10.7	1.0	"	10.00		107	80-120			
LCS Dup (C001504-BSD1)										
Calcium	10.3	1.0	mg/L	10.00		103	80-120	1	20	
Magnesium	10.3	1.0	"	10.00		103	80-120	1	20	
Potassium	9.78	1.0	"	10.00		98	80-120	2	20	
Sodium	10.5	1.0	"	10.00		105	80-120	2	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2510 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001504 - NONE				**Prepared & Analyzed: 05/31/16**						
Matrix Spike (C001504-MS1)		**Source: C6E2506-01**								
Calcium	36.6	1.0	mg/L	10.00	27.1	95	80-120			
Magnesium	16.6	1.0	"	10.00	6.90	97	80-120			
Potassium	13.4	1.0	"	10.00	2.80	106	80-120			
Sodium	44.7	1.0	"	10.00	35.3	94	80-120			
Matrix Spike Dup (C001504-MSD1)		**Source: C6E2506-01**								
Calcium	36.7	1.0	mg/L	10.00	27.1	96	80-120	0.3	20	
Magnesium	16.6	1.0	"	10.00	6.90	97	80-120	0	20	
Potassium	13.5	1.0	"	10.00	2.80	107	80-120	0.7	20	
Sodium	44.7	1.0	"	10.00	35.3	94	80-120	0	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2510 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Microbiology - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001488 - BIO			**Prepared: 05/25/16 Analyzed: 05/26/16**							
Blank (C001488-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001488-DUP1)		**Source: C6E2512-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Absent		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2510 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Notes and Definitions

QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380
Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # (1)6E'2S 10
Regulatory ☐Yes ☐No CC: ☐Yes ☐No
Regulator:
Phone: (209) 669-7919
Fax: (209) 250-1919
Original To: frontdesk@randjavila.com
C.C To:

Client: R & J Avila, Inc.
Address: 8119 Ellington Ave
City Hilmar Zip 95324

CHAIN OF CUSTODY

☐EDF ☐EDT
☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila
(Signature) R. Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na,K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
5/25/16	10:40 Am	✓			4500 W. Linwood		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
5/25/16	10:40 Am	✓			4500 W. Linwood		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	5/25/16	12:05 Pm	[illegible]	5-25-16	1205
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 -NaOH 4 $Na_2S_2O_3$ 5 -HNO_3 6 -H_2SO_4 7 -Other

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers _____ 55 Gallon Drums _____ Pump Truck ☐ Time Mileage

Turnaround Time ☐Standard ☐Silver Rush ☐Gold Rush ☐Platinum Rush ☐Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2509 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 4530 W Linwood

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6E2509-01	5/25/2016 10:18	1.0	200.7	Calcium	**92**	mg/L		05/31/16 08:24
		1.0		Magnesium	**30.3**	mg/L		"
		1.0		Potassium	**3.5**	mg/L		"
		1.0		Sodium	**112**	mg/L		"
		10.0	300.0	Chloride	**65.9**	mg/L		05/25/16 17:06
		4.00		Nitrate as N	**14.0**	mg/L		"
		5.0		Sulfate as SO4	**52.2**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**789**	mg/L		05/26/16 09:41
		24.4	SM2320B	Bicarbonate as HCO3	**466**	mg/L		05/26/16 07:48
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**382**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		05/25/16 13:25
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2509 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001463 - NO PREP			**Prepared: 05/24/16 Analyzed: 05/26/16**							
Blank (C001463-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001463-BS1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120			
Nitrate as N	3.52	0.40	"	4.000		88	85-115			
Sulfate as SO4	5.2	0.5	"	5.000		103	80-120			
LCS Dup (C001463-BSD1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120	0.01	20	
Nitrate as N	3.41	0.40	"	4.000		85	85-115	3	20	
Sulfate as SO4	4.9	0.5	"	5.000		98	80-120	5	20	
Matrix Spike (C001463-MS1)		**Source: C6E2303-01**								
Chloride	523	1.0	mg/L	10.00	581	NR	80-120			QM-02
Nitrate as N	3.77	0.40	"	4.000	ND	94	85-115			
Sulfate as SO4	1750	0.5	"	5.000	2030	NR	80-120			QM-02
Matrix Spike Dup (C001463-MSD1)		**Source: C6E2303-01**								
Chloride	522	1.0	mg/L	10.00	581	NR	80-120	NR	20	QM-02
Nitrate as N	3.77	0.40	"	4.000	ND	94	85-115	0.03	20	
Sulfate as SO4	1750	0.5	"	5.000	2030	NR	80-120	0.2	20	QM-02
Batch C001492 - NO PREP			**Prepared: 05/26/16 Analyzed: 05/31/16**							
Blank (C001492-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001492-BS1)										
Total Alkalinity as CaCO3	40.7	20.0	mg/L	40.00		102	80-120			

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2509 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001492 - NO PREP			**Prepared: 05/26/16 Analyzed: 05/31/16**							
LCS Dup (C001492-BSD1)										
Total Alkalinity as CaCO3	40.7	20.0	mg/L	40.00		102	80-120	0	10	
Matrix Spike (C001492-MS1)		**Source: C6E2516-01**								
Total Alkalinity as CaCO3	299	20.0	mg/L	40.00	258	102	80-120			
Matrix Spike Dup (C001492-MSD1)		**Source: C6E2516-01**								
Total Alkalinity as CaCO3	298	20.0	mg/L	40.00	258	99	80-120	0.3	20	
Batch C001498 - NO PREP			**Prepared: 05/26/16 Analyzed: 05/31/16**							
Blank (C001498-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001498-DUP1)		**Source: C6E2512-01**								
Total Dissolved Solids (TDS)	1170	10.0	mg/L		1170			0	10	
Batch C001504 - NONE			**Prepared & Analyzed: 05/31/16**							
Blank (C001504-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001504-BS1)										
Calcium	10.4	1.0	mg/L	10.00		104	80-120			
Magnesium	10.4	1.0	"	10.00		104	80-120			
Potassium	9.94	1.0	"	10.00		99	80-120			
Sodium	10.7	1.0	"	10.00		107	80-120			
LCS Dup (C001504-BSD1)										
Calcium	10.3	1.0	mg/L	10.00		103	80-120	1	20	
Magnesium	10.3	1.0	"	10.00		103	80-120	1	20	
Potassium	9.78	1.0	"	10.00		98	80-120	2	20	
Sodium	10.5	1.0	"	10.00		105	80-120	2	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2509 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001504 - NONE				**Prepared & Analyzed: 05/31/16**						
Matrix Spike (C001504-MS1)		**Source: C6E2506-01**								
Calcium	36.6	1.0	mg/L	10.00	27.1	95	80-120			
Magnesium	16.6	1.0	"	10.00	6.90	97	80-120			
Potassium	13.4	1.0	"	10.00	2.80	106	80-120			
Sodium	44.7	1.0	"	10.00	35.3	94	80-120			
Matrix Spike Dup (C001504-MSD1)		**Source: C6E2506-01**								
Calcium	36.7	1.0	mg/L	10.00	27.1	96	80-120	0.3	20	
Magnesium	16.6	1.0	"	10.00	6.90	97	80-120	0	20	
Potassium	13.5	1.0	"	10.00	2.80	107	80-120	0.7	20	
Sodium	44.7	1.0	"	10.00	35.3	94	80-120	0	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2509 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Microbiology - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001487 - BIO			**Prepared: 05/25/16 Analyzed: 05/26/16**							
Blank (C001487-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001487-DUP1)		**Source: C6E2504-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Absent		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6E2509 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Notes and Definitions

QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # 1642504

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature) R. Avila

Date	Time	Sample type: Grab	Sample type: Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na,K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
5/25/16	10:18 Am	✓			4530 W. Linwood		1L	1	✓	✓			✓	✓	✓	✓	✓	01	
5/25/16	10:18 Am	✓			4530 W. Linwood		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	5/25/16	12:05 pm	[illegible]	5-25-16	1205
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 NaOH 4 $Na_2S_2O_3$ 5 HNO_3 6 H_2SO_4 7 Other

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers 55 Gallon Drums

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2508 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 4600 W Linwood

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6E2508-01	5/25/2016 10:05	1.0	200.7	Calcium	**76**	mg/L		05/31/16 08:24
		1.0		Magnesium	**26.7**	mg/L		"
		1.0		Potassium	**3.1**	mg/L		"
		1.0		Sodium	**77.7**	mg/L		"
		1.0	300.0	Chloride	**47.8**	mg/L		05/25/16 17:06
		0.40		Nitrate as N	**10.6**	mg/L		"
		5.0		Sulfate as SO4	**31.6**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**607**	mg/L		05/26/16 09:41
		24.4	SM2320B	Bicarbonate as HCO3	**448**	mg/L		05/26/16 07:48
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**368**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		05/25/16 13:25
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2508 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001463 - NO PREP			**Prepared: 05/24/16 Analyzed: 05/26/16**							
Blank (C001463-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001463-BS1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120			
Nitrate as N	3.52	0.40	"	4.000		88	85-115			
Sulfate as SO4	5.2	0.5	"	5.000		103	80-120			
LCS Dup (C001463-BSD1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120	0.01	20	
Nitrate as N	3.41	0.40	"	4.000		85	85-115	3	20	
Sulfate as SO4	4.9	0.5	"	5.000		98	80-120	5	20	
Matrix Spike (C001463-MS1)		**Source: C6E2303-01**								
Chloride	523	1.0	mg/L	10.00	581	NR	80-120			QM-02
Nitrate as N	3.77	0.40	"	4.000	ND	94	85-115			
Sulfate as SO4	1750	0.5	"	5.000	2030	NR	80-120			QM-02
Matrix Spike Dup (C001463-MSD1)		**Source: C6E2303-01**								
Chloride	522	1.0	mg/L	10.00	581	NR	80-120	NR	20	QM-02
Nitrate as N	3.77	0.40	"	4.000	ND	94	85-115	0.03	20	
Sulfate as SO4	1750	0.5	"	5.000	2030	NR	80-120	0.2	20	QM-02
Batch C001492 - NO PREP			**Prepared: 05/26/16 Analyzed: 05/31/16**							
Blank (C001492-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001492-BS1)										
Total Alkalinity as CaCO3	40.7	20.0	mg/L	40.00		102	80-120			

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2508 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001492 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
LCS Dup (C001492-BSD1)										
Total Alkalinity as CaCO3	40.7	20.0	mg/L	40.00		102	80-120	0	10	
Matrix Spike (C001492-MS1)		**Source: C6E2516-01**								
Total Alkalinity as CaCO3	299	20.0	mg/L	40.00	258	102	80-120			
Matrix Spike Dup (C001492-MSD1)		**Source: C6E2516-01**								
Total Alkalinity as CaCO3	298	20.0	mg/L	40.00	258	99	80-120	0.3	20	
Batch C001498 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
Blank (C001498-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001498-DUP1)		**Source: C6E2512-01**								
Total Dissolved Solids (TDS)	1170	10.0	mg/L		1170			0	10	
Batch C001504 - NONE				**Prepared & Analyzed: 05/31/16**						
Blank (C001504-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001504-BS1)										
Calcium	10.4	1.0	mg/L	10.00		104	80-120			
Magnesium	10.4	1.0	"	10.00		104	80-120			
Potassium	9.94	1.0	"	10.00		99	80-120			
Sodium	10.7	1.0	"	10.00		107	80-120			
LCS Dup (C001504-BSD1)										
Calcium	10.3	1.0	mg/L	10.00		103	80-120	1	20	
Magnesium	10.3	1.0	"	10.00		103	80-120	1	20	
Potassium	9.78	1.0	"	10.00		98	80-120	2	20	
Sodium	10.5	1.0	"	10.00		105	80-120	2	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2508 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001504 - NONE				**Prepared & Analyzed: 05/31/16**						
Matrix Spike (C001504-MS1)		**Source: C6E2506-01**								
Calcium	36.6	1.0	mg/L	10.00	27.1	95	80-120			
Magnesium	16.6	1.0	"	10.00	6.90	97	80-120			
Potassium	13.4	1.0	"	10.00	2.80	106	80-120			
Sodium	44.7	1.0	"	10.00	35.3	94	80-120			
Matrix Spike Dup (C001504-MSD1)		**Source: C6E2506-01**								
Calcium	36.7	1.0	mg/L	10.00	27.1	96	80-120	0.3	20	
Magnesium	16.6	1.0	"	10.00	6.90	97	80-120	0	20	
Potassium	13.5	1.0	"	10.00	2.80	107	80-120	0.7	20	
Sodium	44.7	1.0	"	10.00	35.3	94	80-120	0	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2508 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Microbiology - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001487 - BIO			**Prepared: 05/25/16 Analyzed: 05/26/16**							
Blank (C001487-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001487-DUP1)		**Source: C6E2504-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Absent		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2508 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Notes and Definitions

QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # CWL25L78

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature) R. Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
5/25/16	10:05 Am	✓			4600 W. Linwood		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
5/25/16	10:05 Am	✓			4600 W. Linwood		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	5/25/16	12:05 Pm	[illegible]	5-25-16	1205
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 NaOH 4 $Na_2S_2O_3$ 5 HNO_3 6 H_2SO_4 7 Other _____

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers _____ 55 Gallon Drums _____

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2507 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 1624 S. Washington

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6E2507-01	5/25/2016 09:52	1.0	200.7	Calcium	**120**	mg/L		05/31/16 08:24
		1.0		Magnesium	**36.3**	mg/L		"
		1.0		Potassium	**3.2**	mg/L		"
		1.0		Sodium	**78.9**	mg/L		"
		10.0	300.0	Chloride	**87.8**	mg/L		05/25/16 17:06
		4.00		Nitrate as N	**19.2**	mg/L		"
		5.0		Sulfate as SO4	**41.4**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**815**	mg/L		05/26/16 09:41
		24.4	SM2320B	Bicarbonate as HCO3	**428**	mg/L		05/26/16 07:48
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**351**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		05/25/16 13:25
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2507 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001463 - NO PREP				**Prepared: 05/24/16 Analyzed: 05/26/16**						
Blank (C001463-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001463-BS1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120			
Nitrate as N	3.52	0.40	"	4.000		88	85-115			
Sulfate as SO4	5.2	0.5	"	5.000		103	80-120			
LCS Dup (C001463-BSD1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120	0.01	20	
Nitrate as N	3.41	0.40	"	4.000		85	85-115	3	20	
Sulfate as SO4	4.9	0.5	"	5.000		98	80-120	5	20	
Matrix Spike (C001463-MS1)		**Source: C6E2303-01**								
Chloride	523	1.0	mg/L	10.00	581	NR	80-120			QM-02
Nitrate as N	3.77	0.40	"	4.000	ND	94	85-115			
Sulfate as SO4	1750	0.5	"	5.000	2030	NR	80-120			QM-02
Matrix Spike Dup (C001463-MSD1)		**Source: C6E2303-01**								
Chloride	522	1.0	mg/L	10.00	581	NR	80-120	NR	20	QM-02
Nitrate as N	3.77	0.40	"	4.000	ND	94	85-115	0.03	20	
Sulfate as SO4	1750	0.5	"	5.000	2030	NR	80-120	0.2	20	QM-02
Batch C001492 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
Blank (C001492-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001492-BS1)										
Total Alkalinity as CaCO3	40.7	20.0	mg/L	40.00		102	80-120			

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2507 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001492 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
LCS Dup (C001492-BSD1)										
Total Alkalinity as CaCO3	40.7	20.0	mg/L	40.00		102	80-120	0	10	
Matrix Spike (C001492-MS1)		**Source: C6E2516-01**								
Total Alkalinity as CaCO3	299	20.0	mg/L	40.00	258	102	80-120			
Matrix Spike Dup (C001492-MSD1)		**Source: C6E2516-01**								
Total Alkalinity as CaCO3	298	20.0	mg/L	40.00	258	99	80-120	0.3	20	
Batch C001498 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
Blank (C001498-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001498-DUP1)		**Source: C6E2512-01**								
Total Dissolved Solids (TDS)	1170	10.0	mg/L		1170			0	10	
Batch C001504 - NONE				**Prepared & Analyzed: 05/31/16**						
Blank (C001504-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001504-BS1)										
Calcium	10.4	1.0	mg/L	10.00		104	80-120			
Magnesium	10.4	1.0	"	10.00		104	80-120			
Potassium	9.94	1.0	"	10.00		99	80-120			
Sodium	10.7	1.0	"	10.00		107	80-120			
LCS Dup (C001504-BSD1)										
Calcium	10.3	1.0	mg/L	10.00		103	80-120	1	20	
Magnesium	10.3	1.0	"	10.00		103	80-120	1	20	
Potassium	9.78	1.0	"	10.00		98	80-120	2	20	
Sodium	10.5	1.0	"	10.00		105	80-120	2	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2507 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001504 - NONE				**Prepared & Analyzed: 05/31/16**						
Matrix Spike (C001504-MS1)		**Source: C6E2506-01**								
Calcium	36.6	1.0	mg/L	10.00	27.1	95	80-120			
Magnesium	16.6	1.0	"	10.00	6.90	97	80-120			
Potassium	13.4	1.0	"	10.00	2.80	106	80-120			
Sodium	44.7	1.0	"	10.00	35.3	94	80-120			
Matrix Spike Dup (C001504-MSD1)		**Source: C6E2506-01**								
Calcium	36.7	1.0	mg/L	10.00	27.1	96	80-120	0.3	20	
Magnesium	16.6	1.0	"	10.00	6.90	97	80-120	0	20	
Potassium	13.5	1.0	"	10.00	2.80	107	80-120	0.7	20	
Sodium	44.7	1.0	"	10.00	35.3	94	80-120	0	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2507 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Microbiology - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001487 - BIO				**Prepared: 05/25/16 Analyzed: 05/26/16**						
Blank (C001487-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001487-DUP1)		**Source: C6E2504-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Absent		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2507 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Notes and Definitions

QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # 16E2507

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature) R. Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
5/25/16	9:52 am	✓			1624 S. Washington		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
5/25/16	9:52 am	✓			1624 S. Washington		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	5/25/16	12:05 pm	[illegible]	5-25-16	1205
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 NaOH 4 $Na_2S_2O_3$ 5 HNO_3 6 H_2SO_4 7 Other

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers 55 Gallon Drums

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2506 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 1600 S. Washington

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6E2506-01	5/25/2016 09:41	1.0	200.7	Calcium	**27**	mg/L		05/31/16 08:24
		1.0		Magnesium	**6.9**	mg/L		"
		1.0		Potassium	**2.8**	mg/L		"
		1.0		Sodium	**35.3**	mg/L		"
		1.0	300.0	Chloride	**22.8**	mg/L		05/25/16 17:06
		0.40		Nitrate as N	**2.21**	mg/L		"
		0.5		Sulfate as SO4	**11.2**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**261**	mg/L		05/26/16 09:41
		24.4	SM2320B	Bicarbonate as HCO3	**155**	mg/L		05/26/16 07:48
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**127**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Present	NA		05/25/16 13:25
		NA		Total Coliform	Present	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2506 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001463 - NO PREP				**Prepared: 05/24/16 Analyzed: 05/26/16**						
Blank (C001463-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001463-BS1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120			
Nitrate as N	3.52	0.40	"	4.000		88	85-115			
Sulfate as SO4	5.2	0.5	"	5.000		103	80-120			
LCS Dup (C001463-BSD1)										
Chloride	8.3	1.0	mg/L	10.00		83	80-120	0.01	20	
Nitrate as N	3.41	0.40	"	4.000		85	85-115	3	20	
Sulfate as SO4	4.9	0.5	"	5.000		98	80-120	5	20	
Matrix Spike (C001463-MS1)		**Source: C6E2303-01**								
Chloride	523	1.0	mg/L	10.00	581	NR	80-120			QM-02
Nitrate as N	3.77	0.40	"	4.000	ND	94	85-115			
Sulfate as SO4	1750	0.5	"	5.000	2030	NR	80-120			QM-02
Matrix Spike Dup (C001463-MSD1)		**Source: C6E2303-01**								
Chloride	522	1.0	mg/L	10.00	581	NR	80-120	NR	20	QM-02
Nitrate as N	3.77	0.40	"	4.000	ND	94	85-115	0.03	20	
Sulfate as SO4	1750	0.5	"	5.000	2030	NR	80-120	0.2	20	QM-02
Batch C001492 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
Blank (C001492-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001492-BS1)										
Total Alkalinity as CaCO3	40.7	20.0	mg/L	40.00		102	80-120			

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2506 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001492 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
LCS Dup (C001492-BSD1)										
Total Alkalinity as CaCO3	40.7	20.0	mg/L	40.00		102	80-120	0	10	
Matrix Spike (C001492-MS1)		**Source: C6E2516-01**								
Total Alkalinity as CaCO3	299	20.0	mg/L	40.00	258	102	80-120			
Matrix Spike Dup (C001492-MSD1)		**Source: C6E2516-01**								
Total Alkalinity as CaCO3	298	20.0	mg/L	40.00	258	99	80-120	0.3	20	
Batch C001498 - NO PREP				**Prepared: 05/26/16 Analyzed: 05/31/16**						
Blank (C001498-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001498-DUP1)		**Source: C6E2512-01**								
Total Dissolved Solids (TDS)	1170	10.0	mg/L		1170			0	10	
Batch C001504 - NONE				**Prepared & Analyzed: 05/31/16**						
Blank (C001504-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001504-BS1)										
Calcium	10.4	1.0	mg/L	10.00		104	80-120			
Magnesium	10.4	1.0	"	10.00		104	80-120			
Potassium	9.94	1.0	"	10.00		99	80-120			
Sodium	10.7	1.0	"	10.00		107	80-120			
LCS Dup (C001504-BSD1)										
Calcium	10.3	1.0	mg/L	10.00		103	80-120	1	20	
Magnesium	10.3	1.0	"	10.00		103	80-120	1	20	
Potassium	9.78	1.0	"	10.00		98	80-120	2	20	
Sodium	10.5	1.0	"	10.00		105	80-120	2	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2506 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001504 - NONE				**Prepared & Analyzed: 05/31/16**						
Matrix Spike (C001504-MS1)		**Source: C6E2506-01**								
Calcium	36.6	1.0	mg/L	10.00	27.1	95	80-120			
Magnesium	16.6	1.0	"	10.00	6.90	97	80-120			
Potassium	13.4	1.0	"	10.00	2.80	106	80-120			
Sodium	44.7	1.0	"	10.00	35.3	94	80-120			
Matrix Spike Dup (C001504-MSD1)		**Source: C6E2506-01**								
Calcium	36.7	1.0	mg/L	10.00	27.1	96	80-120	0.3	20	
Magnesium	16.6	1.0	"	10.00	6.90	97	80-120	0	20	
Potassium	13.5	1.0	"	10.00	2.80	107	80-120	0.7	20	
Sodium	44.7	1.0	"	10.00	35.3	94	80-120	0	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6E2506 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Microbiology - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001487 - BIO				**Prepared: 05/25/16 Analyzed: 05/26/16**						
Blank (C001487-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001487-DUP1)		**Source: C6E2504-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Absent		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6E2506 **Project: Linwood Discharge** **Date:** 05/31/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 05/25/16

Notes and Definitions

QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
P	Present
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # 0452506

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature) R. Avila

Date	Time	Sample type: Grab	Sample type: Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
5/25/16	9:41 Am	✓			1600 S. Washington		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
5/25/16	9:41 Am	✓			1600 S. Washington		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	5/25/16	12:05pm	[signature]	5-25-16	1205
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 NaOH 4 $Na_2S_2O_3$ 5 HNO_3 6 H_2SO_4 7 Other _____

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers _____ 55 Gallon Drums _____

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0843 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 1624 S. Washington

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6F0843-01	6/08/2016 09:55	1.0	200.7	Calcium	**110**	mg/L		06/14/16 10:22
		1.0		Magnesium	**36.7**	mg/L		"
		1.0		Potassium	**3.2**	mg/L		"
		1.0		Sodium	**73.7**	mg/L		"
		5.0	300.0	Chloride	**92.9**	mg/L		06/08/16 17:33
		2.00		Nitrate as N	**18.9**	mg/L		"
		2.5		Sulfate as SO4	**50.3**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**769**	mg/L		06/08/16 15:36
		24.4	SM2320B	Bicarbonate as HCO3	**422**	mg/L		06/13/16 08:26
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**346**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		06/08/16 14:20
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0843 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001587 - NO PREP				**Prepared: 06/08/16 Analyzed: 06/13/16**						
Blank (C001587-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001587-BS1)										
Chloride	8.4	1.0	mg/L	10.00		84	80-120			
Nitrate as N	3.45	0.40	"	4.000		86	85-115			
Sulfate as SO4	4.9	0.5	"	5.000		98	80-120			
LCS Dup (C001587-BSD1)										
Chloride	8.4	1.0	mg/L	10.00		84	80-120	0.2	20	
Nitrate as N	3.49	0.40	"	4.000		87	85-115	1	20	
Sulfate as SO4	5.0	0.5	"	5.000		100	80-120	2	20	
Matrix Spike (C001587-MS1)		**Source: C6F0720-07**								
Chloride	111	1.0	mg/L	10.00	143	NR	80-120			QM-02
Nitrate as N	5.15	0.40	"	4.000	2.00	79	85-115			QM-07
Sulfate as SO4	185	0.5	"	5.000	257	NR	80-120			QM-02
Matrix Spike Dup (C001587-MSD1)		**Source: C6F0720-07**								
Chloride	111	1.0	mg/L	10.00	143	NR	80-120	NR	20	QM-02
Nitrate as N	5.17	0.40	"	4.000	2.00	79	85-115	0.4	20	QM-07
Sulfate as SO4	184	0.5	"	5.000	257	NR	80-120	0.3	20	QM-02
Batch C001592 - NO PREP				**Prepared & Analyzed: 06/08/16**						
Blank (C001592-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001592-DUP1)		**Source: C6F0609-01**								
Total Dissolved Solids (TDS)	1800	10.0	mg/L		1800			0	10	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0843 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001635 - NO PREP				**Prepared: 06/13/16 Analyzed: 06/14/16**						
Blank (C001635-BLK1)										
Bicarbonate Alkalinity as CaCO3	ND	20.0	mg/L							
Carbonate Alkalinity as CaCO3	ND	20.0	"							
Hydroxide Alkalinity as CaCO3	ND	20.0	"							
Total Alkalinity as CaCO3	ND	20.0	"							
LCS (C001635-BS1)										
Total Alkalinity as CaCO3	39.6	20.0	mg/L	39.22		101	80-120			
LCS Dup (C001635-BSD1)										
Total Alkalinity as CaCO3	39.8	20.0	mg/L	39.22		101	80-120	0.5	2	
Matrix Spike (C001635-MS1)		**Source: C6F0836-01**								
Total Alkalinity as CaCO3	127	20.0	mg/L	39.22	88.6	98	80-120			
Matrix Spike Dup (C001635-MSD1)		**Source: C6F0836-01**								
Total Alkalinity as CaCO3	56.4	20.0	mg/L	39.22	88.6	NR	80-120	77	20	QM-07
Batch C001657 - NONE				**Prepared: 06/14/16 Analyzed: 06/15/16**						
Blank (C001657-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001657-BS1)										
Calcium	10.4	1.0	mg/L	10.00		104	80-120			
Magnesium	10.3	1.0	"	10.00		103	80-120			
Potassium	9.70	1.0	"	10.00		97	80-120			
Sodium	10.4	1.0	"	10.00		104	80-120			
LCS Dup (C001657-BSD1)										
Calcium	10.2	1.0	mg/L	10.00		102	80-120	2	20	
Magnesium	10.1	1.0	"	10.00		101	80-120	2	20	
Potassium	9.59	1.0	"	10.00		96	80-120	1	20	
Sodium	10.2	1.0	"	10.00		102	80-120	2	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0843 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001657 - NONE				**Prepared: 06/14/16 Analyzed: 06/15/16**						
Matrix Spike (C001657-MS1)		**Source: C6F0842-01**								
Calcium	83.9	1.0	mg/L	10.00	75.5	84	80-120			
Magnesium	36.3	1.0	"	10.00	26.7	96	80-120			
Potassium	15.1	1.0	"	10.00	3.10	120	80-120			
Sodium	84.8	1.0	"	10.00	76.2	86	80-120			
Matrix Spike Dup (C001657-MSD1)		**Source: C6F0842-01**								
Calcium	84.0	1.0	mg/L	10.00	75.5	85	80-120	0.1	20	
Magnesium	36.3	1.0	"	10.00	26.7	96	80-120	0	20	
Potassium	15.0	1.0	"	10.00	3.10	119	80-120	0.7	20	
Sodium	85.3	1.0	"	10.00	76.2	91	80-120	0.6	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0843 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Microbiology - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001610 - BIO				**Prepared: 06/08/16 Analyzed: 06/09/16**						
Blank (C001610-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001610-DUP1)		**Source: C6F0841-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Present		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0843 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
P	Present
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380
Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # C6F0843
Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No
Regulator:
Phone: (209) 669-7919
Fax: (209) 250-1919
Original To: frontdesk@randjavila.com
C.C To:

Client: R & J Avila, Inc.
Address: 8119 Ellington Ave
City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT
☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila
(Signature) R = Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
6-8-16	9:55 Am	✓			1624 S. Washington		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
6-8-16	9:55 Am	✓			1624 S. Washington		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R = Avila	6-8-16	12:17 pm	Hacey Rahul	6/8/16	12:17
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 -NaOH 4 $Na_2S_2O_3$ 5 -HNO_3 6 -H_2SO_4 7 -Other

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers 55 Gallon Drums

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0842 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 4600 W Linwood

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6F0842-01	6/08/2016 10:18	1.0	200.7	Calcium	**76**	mg/L		06/14/16 10:22
		1.0		Magnesium	**26.7**	mg/L		"
		1.0		Potassium	**3.1**	mg/L		"
		1.0		Sodium	**76.2**	mg/L		"
		5.0	300.0	Chloride	**41.2**	mg/L		06/08/16 17:33
		0.40		Nitrate as N	**9.94**	mg/L		"
		2.5		Sulfate as SO4	**40.7**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**616**	mg/L		06/08/16 15:36
		24.4	SM2320B	Bicarbonate as HCO3	**442**	mg/L		06/13/16 08:26
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**362**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		06/08/16 14:20
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0842 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001587 - NO PREP				**Prepared: 06/08/16 Analyzed: 06/13/16**						
Blank (C001587-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001587-BS1)										
Chloride	8.4	1.0	mg/L	10.00		84	80-120			
Nitrate as N	3.45	0.40	"	4.000		86	85-115			
Sulfate as SO4	4.9	0.5	"	5.000		98	80-120			
LCS Dup (C001587-BSD1)										
Chloride	8.4	1.0	mg/L	10.00		84	80-120	0.2	20	
Nitrate as N	3.49	0.40	"	4.000		87	85-115	1	20	
Sulfate as SO4	5.0	0.5	"	5.000		100	80-120	2	20	
Matrix Spike (C001587-MS1)		**Source: C6F0720-07**								
Chloride	111	1.0	mg/L	10.00	143	NR	80-120			QM-02
Nitrate as N	5.15	0.40	"	4.000	2.00	79	85-115			QM-07
Sulfate as SO4	185	0.5	"	5.000	257	NR	80-120			QM-02
Matrix Spike Dup (C001587-MSD1)		**Source: C6F0720-07**								
Chloride	111	1.0	mg/L	10.00	143	NR	80-120	NR	20	QM-02
Nitrate as N	5.17	0.40	"	4.000	2.00	79	85-115	0.4	20	QM-07
Sulfate as SO4	184	0.5	"	5.000	257	NR	80-120	0.3	20	QM-02
Batch C001592 - NO PREP				**Prepared & Analyzed: 06/08/16**						
Blank (C001592-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001592-DUP1)		**Source: C6F0609-01**								
Total Dissolved Solids (TDS)	1800	10.0	mg/L		1800			0	10	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0842 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001635 - NO PREP				**Prepared: 06/13/16 Analyzed: 06/14/16**						
Blank (C001635-BLK1)										
Bicarbonate Alkalinity as CaCO3	ND	20.0	mg/L							
Carbonate Alkalinity as CaCO3	ND	20.0	"							
Hydroxide Alkalinity as CaCO3	ND	20.0	"							
Total Alkalinity as CaCO3	ND	20.0	"							
LCS (C001635-BS1)										
Total Alkalinity as CaCO3	39.6	20.0	mg/L	39.22		101	80-120			
LCS Dup (C001635-BSD1)										
Total Alkalinity as CaCO3	39.8	20.0	mg/L	39.22		101	80-120	0.5	2	
Matrix Spike (C001635-MS1)		**Source: C6F0836-01**								
Total Alkalinity as CaCO3	127	20.0	mg/L	39.22	88.6	98	80-120			
Matrix Spike Dup (C001635-MSD1)		**Source: C6F0836-01**								
Total Alkalinity as CaCO3	56.4	20.0	mg/L	39.22	88.6	NR	80-120	77	20	QM-07
Batch C001657 - NONE				**Prepared: 06/14/16 Analyzed: 06/15/16**						
Blank (C001657-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001657-BS1)										
Calcium	10.4	1.0	mg/L	10.00		104	80-120			
Magnesium	10.3	1.0	"	10.00		103	80-120			
Potassium	9.70	1.0	"	10.00		97	80-120			
Sodium	10.4	1.0	"	10.00		104	80-120			
LCS Dup (C001657-BSD1)										
Calcium	10.2	1.0	mg/L	10.00		102	80-120	2	20	
Magnesium	10.1	1.0	"	10.00		101	80-120	2	20	
Potassium	9.59	1.0	"	10.00		96	80-120	1	20	
Sodium	10.2	1.0	"	10.00		102	80-120	2	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0842 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001657 - NONE				**Prepared: 06/14/16 Analyzed: 06/15/16**						
Matrix Spike (C001657-MS1)		**Source: C6F0842-01**								
Calcium	83.9	1.0	mg/L	10.00	75.5	84	80-120			
Magnesium	36.3	1.0	"	10.00	26.7	96	80-120			
Potassium	15.1	1.0	"	10.00	3.10	120	80-120			
Sodium	84.8	1.0	"	10.00	76.2	86	80-120			
Matrix Spike Dup (C001657-MSD1)		**Source: C6F0842-01**								
Calcium	84.0	1.0	mg/L	10.00	75.5	85	80-120	0.1	20	
Magnesium	36.3	1.0	"	10.00	26.7	96	80-120	0	20	
Potassium	15.0	1.0	"	10.00	3.10	119	80-120	0.7	20	
Sodium	85.3	1.0	"	10.00	76.2	91	80-120	0.6	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0842 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Microbiology - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001610 - BIO				**Prepared: 06/08/16 Analyzed: 06/09/16**						
Blank (C001610-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001610-DUP1)		**Source: C6F0841-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Present		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0842 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
P	Present
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # C6F0842

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature) R. Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
6/8/16	10:18 am	✓			4600 W. Linwood		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
6/8/16	10:18 am	✓			4600 W. Linwood		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	6-8-16	12:17 pm	Ashley Rahill	6/8/16	12:17
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 NaOH 4 $Na_2S_2O_3$ 5 HNO_3 6 H_2SO_4 7 Other

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers 55 Gallon Drums

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0844 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 1600 S. Washington

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6F0844-01	6/08/2016 09:37	1.0	200.7	Calcium	**34**	mg/L		06/14/16 10:22
		1.0		Magnesium	**9.6**	mg/L		"
		1.0		Potassium	**2.9**	mg/L		"
		1.0		Sodium	**44.4**	mg/L		"
		1.0	300.0	Chloride	**34.0**	mg/L		06/08/16 17:33
		0.40		Nitrate as N	**3.66**	mg/L		"
		2.5		Sulfate as SO4	**24.3**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**311**	mg/L		06/08/16 15:36
		24.4	SM2320B	Bicarbonate as HCO3	**192**	mg/L		06/13/16 08:26
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**158**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		06/08/16 14:20
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0844 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001587 - NO PREP				**Prepared: 06/08/16 Analyzed: 06/13/16**						
Blank (C001587-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001587-BS1)										
Chloride	8.4	1.0	mg/L	10.00		84	80-120			
Nitrate as N	3.45	0.40	"	4.000		86	85-115			
Sulfate as SO4	4.9	0.5	"	5.000		98	80-120			
LCS Dup (C001587-BSD1)										
Chloride	8.4	1.0	mg/L	10.00		84	80-120	0.2	20	
Nitrate as N	3.49	0.40	"	4.000		87	85-115	1	20	
Sulfate as SO4	5.0	0.5	"	5.000		100	80-120	2	20	
Matrix Spike (C001587-MS1)		**Source: C6F0720-07**								
Chloride	111	1.0	mg/L	10.00	143	NR	80-120			QM-02
Nitrate as N	5.15	0.40	"	4.000	2.00	79	85-115			QM-07
Sulfate as SO4	185	0.5	"	5.000	257	NR	80-120			QM-02
Matrix Spike Dup (C001587-MSD1)		**Source: C6F0720-07**								
Chloride	111	1.0	mg/L	10.00	143	NR	80-120	NR	20	QM-02
Nitrate as N	5.17	0.40	"	4.000	2.00	79	85-115	0.4	20	QM-07
Sulfate as SO4	184	0.5	"	5.000	257	NR	80-120	0.3	20	QM-02
Batch C001592 - NO PREP				**Prepared & Analyzed: 06/08/16**						
Blank (C001592-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001592-DUP1)		**Source: C6F0609-01**								
Total Dissolved Solids (TDS)	1800	10.0	mg/L		1800			0	10	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0844 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001635 - NO PREP			**Prepared: 06/13/16 Analyzed: 06/14/16**							
Blank (C001635-BLK1)										
Bicarbonate Alkalinity as CaCO3	ND	20.0	mg/L							
Carbonate Alkalinity as CaCO3	ND	20.0	"							
Hydroxide Alkalinity as CaCO3	ND	20.0	"							
Total Alkalinity as CaCO3	ND	20.0	"							
LCS (C001635-BS1)										
Total Alkalinity as CaCO3	39.6	20.0	mg/L	39.22		101	80-120			
LCS Dup (C001635-BSD1)										
Total Alkalinity as CaCO3	39.8	20.0	mg/L	39.22		101	80-120	0.5	2	
Matrix Spike (C001635-MS1)		**Source: C6F0836-01**								
Total Alkalinity as CaCO3	127	20.0	mg/L	39.22	88.6	98	80-120			
Matrix Spike Dup (C001635-MSD1)		**Source: C6F0836-01**								
Total Alkalinity as CaCO3	56.4	20.0	mg/L	39.22	88.6	NR	80-120	77	20	QM-07
Batch C001657 - NONE			**Prepared: 06/14/16 Analyzed: 06/15/16**							
Blank (C001657-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001657-BS1)										
Calcium	10.4	1.0	mg/L	10.00		104	80-120			
Magnesium	10.3	1.0	"	10.00		103	80-120			
Potassium	9.70	1.0	"	10.00		97	80-120			
Sodium	10.4	1.0	"	10.00		104	80-120			
LCS Dup (C001657-BSD1)										
Calcium	10.2	1.0	mg/L	10.00		102	80-120	2	20	
Magnesium	10.1	1.0	"	10.00		101	80-120	2	20	
Potassium	9.59	1.0	"	10.00		96	80-120	1	20	
Sodium	10.2	1.0	"	10.00		102	80-120	2	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0844 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001657 - NONE				**Prepared: 06/14/16 Analyzed: 06/15/16**						
Matrix Spike (C001657-MS1)		**Source: C6F0842-01**								
Calcium	83.9	1.0	mg/L	10.00	75.5	84	80-120			
Magnesium	36.3	1.0	"	10.00	26.7	96	80-120			
Potassium	15.1	1.0	"	10.00	3.10	120	80-120			
Sodium	84.8	1.0	"	10.00	76.2	86	80-120			
Matrix Spike Dup (C001657-MSD1)		**Source: C6F0842-01**								
Calcium	84.0	1.0	mg/L	10.00	75.5	85	80-120	0.1	20	
Magnesium	36.3	1.0	"	10.00	26.7	96	80-120	0	20	
Potassium	15.0	1.0	"	10.00	3.10	119	80-120	0.7	20	
Sodium	85.3	1.0	"	10.00	76.2	91	80-120	0.6	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0844 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Microbiology - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001610 - BIO				**Prepared: 06/08/16 Analyzed: 06/09/16**						
Blank (C001610-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001610-DUP1)		**Source: C6F0841-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Present		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6F0844 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
P	Present
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # C6F0844

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature) R. Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
6-8-16	9:37 Am	✓			1600 S. Washington		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
6-8-16	9:37 Am	✓			1600 S. Washington		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	6-8-16	12:17 Pm	Tracy Rabue	6/8/16	12:17
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 NaOH 4 $Na_2S_2O_3$ 5 HNO_3 6 H_2SO_4 7 Other

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers 55 Gallon Drums

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0841 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 4530 W Linwood

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6F0841-01	6/08/2016 10:30	1.0	200.7	Calcium	**84**	mg/L		06/14/16 08:32
		1.0		Magnesium	**30.8**	mg/L		"
		1.0		Potassium	**3.5**	mg/L		"
		1.0		Sodium	**104**	mg/L		"
		5.0	300.0	Chloride	**65.1**	mg/L		06/08/16 17:33
		0.40		Nitrate as N	**15.8**	mg/L		"
		2.5		Sulfate as SO4	**59.0**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**745**	mg/L		06/08/16 15:36
		24.4	SM2320B	Bicarbonate as HCO3	**462**	mg/L		06/13/16 08:26
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**379**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		06/08/16 14:20
		NA		Total Coliform	Present	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0841 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001587 - NO PREP				**Prepared: 06/08/16 Analyzed: 06/13/16**						
Blank (C001587-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001587-BS1)										
Chloride	8.4	1.0	mg/L	10.00		84	80-120			
Nitrate as N	3.45	0.40	"	4.000		86	85-115			
Sulfate as SO4	4.9	0.5	"	5.000		98	80-120			
LCS Dup (C001587-BSD1)										
Chloride	8.4	1.0	mg/L	10.00		84	80-120	0.2	20	
Nitrate as N	3.49	0.40	"	4.000		87	85-115	1	20	
Sulfate as SO4	5.0	0.5	"	5.000		100	80-120	2	20	
Matrix Spike (C001587-MS1)		**Source: C6F0720-07**								
Chloride	111	1.0	mg/L	10.00	143	NR	80-120			QM-02
Nitrate as N	5.15	0.40	"	4.000	2.00	79	85-115			QM-07
Sulfate as SO4	185	0.5	"	5.000	257	NR	80-120			QM-02
Matrix Spike Dup (C001587-MSD1)		**Source: C6F0720-07**								
Chloride	111	1.0	mg/L	10.00	143	NR	80-120	NR	20	QM-02
Nitrate as N	5.17	0.40	"	4.000	2.00	79	85-115	0.4	20	QM-07
Sulfate as SO4	184	0.5	"	5.000	257	NR	80-120	0.3	20	QM-02
Batch C001592 - NO PREP				**Prepared & Analyzed: 06/08/16**						
Blank (C001592-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001592-DUP1)		**Source: C6F0609-01**								
Total Dissolved Solids (TDS)	1800	10.0	mg/L		1800			0	10	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0841 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001635 - NO PREP				**Prepared: 06/13/16 Analyzed: 06/14/16**						
Blank (C001635-BLK1)										
Bicarbonate Alkalinity as CaCO3	ND	20.0	mg/L							
Carbonate Alkalinity as CaCO3	ND	20.0	"							
Hydroxide Alkalinity as CaCO3	ND	20.0	"							
Total Alkalinity as CaCO3	ND	20.0	"							
LCS (C001635-BS1)										
Total Alkalinity as CaCO3	39.6	20.0	mg/L	39.22		101	80-120			
LCS Dup (C001635-BSD1)										
Total Alkalinity as CaCO3	39.8	20.0	mg/L	39.22		101	80-120	0.5	2	
Matrix Spike (C001635-MS1)		**Source: C6F0836-01**								
Total Alkalinity as CaCO3	127	20.0	mg/L	39.22	88.6	98	80-120			
Matrix Spike Dup (C001635-MSD1)		**Source: C6F0836-01**								
Total Alkalinity as CaCO3	56.4	20.0	mg/L	39.22	88.6	NR	80-120	77	20	QM-07
Batch C001644 - NONE				**Prepared & Analyzed: 06/14/16**						
Blank (C001644-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001644-BS1)										
Calcium	10.4	1.0	mg/L	10.00		104	80-120			
Magnesium	10.3	1.0	"	10.00		103	80-120			
Potassium	9.70	1.0	"	10.00		97	80-120			
Sodium	10.4	1.0	"	10.00		104	80-120			
LCS Dup (C001644-BSD1)										
Calcium	10.2	1.0	mg/L	10.00		102	80-120	2	20	
Magnesium	10.1	1.0	"	10.00		101	80-120	2	20	
Potassium	9.60	1.0	"	10.00		96	80-120	1	20	
Sodium	10.2	1.0	"	10.00		102	80-120	2	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0841 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001644 - NONE				**Prepared & Analyzed: 06/14/16**						
Matrix Spike (C001644-MS1)		**Source: C6F0834-01**								
Calcium	82.8	1.0	mg/L	10.00	73.2	96	80-120			
Magnesium	34.4	1.0	"	10.00	24.5	99	80-120			
Potassium	15.3	1.0	"	10.00	3.60	117	80-120			
Sodium	70.2	1.0	"	10.00	60.8	94	80-120			
Matrix Spike Dup (C001644-MSD1)		**Source: C6F0834-01**								
Calcium	82.1	1.0	mg/L	10.00	73.2	89	80-120	0.8	20	
Magnesium	34.2	1.0	"	10.00	24.5	97	80-120	0.6	20	
Potassium	15.3	1.0	"	10.00	3.60	117	80-120	0	20	
Sodium	69.4	1.0	"	10.00	60.8	86	80-120	1	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0841 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Microbiology - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001610 - BIO				**Prepared: 06/08/16 Analyzed: 06/09/16**						
Blank (C001610-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001610-DUP1)		**Source: C6F0841-01**								
E. Coli	Absent		NA		Absent				0	
Total Coliform	Present		"		Present				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0841 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
P	Present
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # C6F0841

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature) R. Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na,K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
8-6-16	10:30 Am	✓			4530 W. Linwood		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
8-6-16	10:30 Am	✓			4530 W. Linwood		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	6-8-16	12:17 Am	Rachel Rahue	6/8/16	12:17
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 -NaOH 4 $Na_2S_2O_3$ 5 -HNO_3 6 -H_2SO_4 7 -Other

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers 55 Gallon Drums

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0840 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 4500 W Linwood

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6F0840-01	6/08/2016 10:40	1.0	200.7	Calcium	**22**	mg/L		06/14/16 08:32
		1.0		Magnesium	**5.3**	mg/L		"
		1.0		Potassium	**2.6**	mg/L		"
		1.0		Sodium	**31.2**	mg/L		"
		1.0	300.0	Chloride	**26.9**	mg/L		06/08/16 17:33
		0.40		Nitrate as N	**2.19**	mg/L		"
		0.5		Sulfate as SO4	**14.9**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**200**	mg/L		06/08/16 15:36
		24.4	SM2320B	Bicarbonate as HCO3	**126**	mg/L		06/13/16 08:26
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**103**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		06/08/16 14:20
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0840 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001587 - NO PREP				**Prepared: 06/08/16 Analyzed: 06/13/16**						
Blank (C001587-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001587-BS1)										
Chloride	8.4	1.0	mg/L	10.00		84	80-120			
Nitrate as N	3.45	0.40	"	4.000		86	85-115			
Sulfate as SO4	4.9	0.5	"	5.000		98	80-120			
LCS Dup (C001587-BSD1)										
Chloride	8.4	1.0	mg/L	10.00		84	80-120	0.2	20	
Nitrate as N	3.49	0.40	"	4.000		87	85-115	1	20	
Sulfate as SO4	5.0	0.5	"	5.000		100	80-120	2	20	
Matrix Spike (C001587-MS1)		**Source: C6F0720-07**								
Chloride	111	1.0	mg/L	10.00	143	NR	80-120			QM-02
Nitrate as N	5.15	0.40	"	4.000	2.00	79	85-115			QM-07
Sulfate as SO4	185	0.5	"	5.000	257	NR	80-120			QM-02
Matrix Spike Dup (C001587-MSD1)		**Source: C6F0720-07**								
Chloride	111	1.0	mg/L	10.00	143	NR	80-120	NR	20	QM-02
Nitrate as N	5.17	0.40	"	4.000	2.00	79	85-115	0.4	20	QM-07
Sulfate as SO4	184	0.5	"	5.000	257	NR	80-120	0.3	20	QM-02
Batch C001592 - NO PREP				**Prepared & Analyzed: 06/08/16**						
Blank (C001592-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001592-DUP1)		**Source: C6F0609-01**								
Total Dissolved Solids (TDS)	1800	10.0	mg/L		1800			0	10	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0840 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001635 - NO PREP				**Prepared: 06/13/16 Analyzed: 06/14/16**						
Blank (C001635-BLK1)										
Bicarbonate Alkalinity as CaCO3	ND	20.0	mg/L							
Carbonate Alkalinity as CaCO3	ND	20.0	"							
Hydroxide Alkalinity as CaCO3	ND	20.0	"							
Total Alkalinity as CaCO3	ND	20.0	"							
LCS (C001635-BS1)										
Total Alkalinity as CaCO3	39.6	20.0	mg/L	39.22		101	80-120			
LCS Dup (C001635-BSD1)										
Total Alkalinity as CaCO3	39.8	20.0	mg/L	39.22		101	80-120	0.5	2	
Matrix Spike (C001635-MS1)		**Source: C6F0836-01**								
Total Alkalinity as CaCO3	127	20.0	mg/L	39.22	88.6	98	80-120			
Matrix Spike Dup (C001635-MSD1)		**Source: C6F0836-01**								
Total Alkalinity as CaCO3	56.4	20.0	mg/L	39.22	88.6	NR	80-120	77	20	QM-07
Batch C001644 - NONE				**Prepared & Analyzed: 06/14/16**						
Blank (C001644-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001644-BS1)										
Calcium	10.4	1.0	mg/L	10.00		104	80-120			
Magnesium	10.3	1.0	"	10.00		103	80-120			
Potassium	9.70	1.0	"	10.00		97	80-120			
Sodium	10.4	1.0	"	10.00		104	80-120			
LCS Dup (C001644-BSD1)										
Calcium	10.2	1.0	mg/L	10.00		102	80-120	2	20	
Magnesium	10.1	1.0	"	10.00		101	80-120	2	20	
Potassium	9.60	1.0	"	10.00		96	80-120	1	20	
Sodium	10.2	1.0	"	10.00		102	80-120	2	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0840 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001644 - NONE				**Prepared & Analyzed: 06/14/16**						
Matrix Spike (C001644-MS1)		**Source: C6F0834-01**								
Calcium	82.8	1.0	mg/L	10.00	73.2	96	80-120			
Magnesium	34.4	1.0	"	10.00	24.5	99	80-120			
Potassium	15.3	1.0	"	10.00	3.60	117	80-120			
Sodium	70.2	1.0	"	10.00	60.8	94	80-120			
Matrix Spike Dup (C001644-MSD1)		**Source: C6F0834-01**								
Calcium	82.1	1.0	mg/L	10.00	73.2	89	80-120	0.8	20	
Magnesium	34.2	1.0	"	10.00	24.5	97	80-120	0.6	20	
Potassium	15.3	1.0	"	10.00	3.60	117	80-120	0	20	
Sodium	69.4	1.0	"	10.00	60.8	86	80-120	1	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0840 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Microbiology - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001610 - BIO				**Prepared: 06/08/16 Analyzed: 06/09/16**						
Blank (C001610-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001610-DUP1)		**Source: C6F0841-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Present		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0840 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
P	Present
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380
Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # C6F0840
Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No
Regulator:
Phone: (209) 669-7919
Fax: (209) 250-1919
Original To: frontdesk@randjavila.com
C.C To:

Client: R & J Avila, Inc.
Address: 8119 Ellington Ave
City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT
☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila
(Signature) R. Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na,K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
6/8/16	10:40am	✓			4500 W. Linwood		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
6/8/16	10:40am	✓			4500 W. Linwood		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	6-8-16	12:17pm	Rachel LaRue	6/8/16	12:17

Preservative: 1 4°C 2 HCL 3 -NaOH 4 $Na_2S_2O_3$ 5 -HNO_3 6 -H_2SO_4 7 -Other _____

DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers _____ 55 Gallon Drums _____ Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0839 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 4406 Linwood House

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6F0839-01	6/08/2016 10:50	1.0	200.7	Calcium	**100**	mg/L		06/14/16 08:32
		1.0		Magnesium	**39.0**	mg/L		"
		1.0		Potassium	**4.1**	mg/L		"
		1.0		Sodium	**112**	mg/L		"
		5.0	300.0	Chloride	**104**	mg/L		06/08/16 17:33
		0.40		Nitrate as N	**12.9**	mg/L		"
		2.5		Sulfate as SO4	**83.3**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**875**	mg/L		06/08/16 15:36
		24.4	SM2320B	Bicarbonate as HCO3	**496**	mg/L		06/13/16 08:26
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**406**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		06/08/16 14:20
		NA		Total Coliform	Present	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0839 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001587 - NO PREP				**Prepared: 06/08/16 Analyzed: 06/13/16**						
Blank (C001587-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001587-BS1)										
Chloride	8.4	1.0	mg/L	10.00		84	80-120			
Nitrate as N	3.45	0.40	"	4.000		86	85-115			
Sulfate as SO4	4.9	0.5	"	5.000		98	80-120			
LCS Dup (C001587-BSD1)										
Chloride	8.4	1.0	mg/L	10.00		84	80-120	0.2	20	
Nitrate as N	3.49	0.40	"	4.000		87	85-115	1	20	
Sulfate as SO4	5.0	0.5	"	5.000		100	80-120	2	20	
Matrix Spike (C001587-MS1)		**Source: C6F0720-07**								
Chloride	111	1.0	mg/L	10.00	143	NR	80-120			QM-02
Nitrate as N	5.15	0.40	"	4.000	2.00	79	85-115			QM-07
Sulfate as SO4	185	0.5	"	5.000	257	NR	80-120			QM-02
Matrix Spike Dup (C001587-MSD1)		**Source: C6F0720-07**								
Chloride	111	1.0	mg/L	10.00	143	NR	80-120	NR	20	QM-02
Nitrate as N	5.17	0.40	"	4.000	2.00	79	85-115	0.4	20	QM-07
Sulfate as SO4	184	0.5	"	5.000	257	NR	80-120	0.3	20	QM-02
Batch C001592 - NO PREP				**Prepared & Analyzed: 06/08/16**						
Blank (C001592-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001592-DUP1)		**Source: C6F0609-01**								
Total Dissolved Solids (TDS)	1800	10.0	mg/L		1800			0	10	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0839 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001635 - NO PREP				**Prepared: 06/13/16 Analyzed: 06/14/16**						
Blank (C001635-BLK1)										
Bicarbonate Alkalinity as CaCO3	ND	20.0	mg/L							
Carbonate Alkalinity as CaCO3	ND	20.0	"							
Hydroxide Alkalinity as CaCO3	ND	20.0	"							
Total Alkalinity as CaCO3	ND	20.0	"							
LCS (C001635-BS1)										
Total Alkalinity as CaCO3	39.6	20.0	mg/L	39.22		101	80-120			
LCS Dup (C001635-BSD1)										
Total Alkalinity as CaCO3	39.8	20.0	mg/L	39.22		101	80-120	0.5	2	
Matrix Spike (C001635-MS1)		**Source: C6F0836-01**								
Total Alkalinity as CaCO3	127	20.0	mg/L	39.22	88.6	98	80-120			
Matrix Spike Dup (C001635-MSD1)		**Source: C6F0836-01**								
Total Alkalinity as CaCO3	56.4	20.0	mg/L	39.22	88.6	NR	80-120	77	20	QM-07
Batch C001644 - NONE				**Prepared & Analyzed: 06/14/16**						
Blank (C001644-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001644-BS1)										
Calcium	10.4	1.0	mg/L	10.00		104	80-120			
Magnesium	10.3	1.0	"	10.00		103	80-120			
Potassium	9.70	1.0	"	10.00		97	80-120			
Sodium	10.4	1.0	"	10.00		104	80-120			
LCS Dup (C001644-BSD1)										
Calcium	10.2	1.0	mg/L	10.00		102	80-120	2	20	
Magnesium	10.1	1.0	"	10.00		101	80-120	2	20	
Potassium	9.60	1.0	"	10.00		96	80-120	1	20	
Sodium	10.2	1.0	"	10.00		102	80-120	2	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0839 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001644 - NONE				**Prepared & Analyzed: 06/14/16**						
Matrix Spike (C001644-MS1)		**Source: C6F0834-01**								
Calcium	82.8	1.0	mg/L	10.00	73.2	96	80-120			
Magnesium	34.4	1.0	"	10.00	24.5	99	80-120			
Potassium	15.3	1.0	"	10.00	3.60	117	80-120			
Sodium	70.2	1.0	"	10.00	60.8	94	80-120			
Matrix Spike Dup (C001644-MSD1)		**Source: C6F0834-01**								
Calcium	82.1	1.0	mg/L	10.00	73.2	89	80-120	0.8	20	
Magnesium	34.2	1.0	"	10.00	24.5	97	80-120	0.6	20	
Potassium	15.3	1.0	"	10.00	3.60	117	80-120	0	20	
Sodium	69.4	1.0	"	10.00	60.8	86	80-120	1	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6F0839 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Microbiology - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001610 - BIO				**Prepared: 06/08/16 Analyzed: 06/09/16**						
Blank (C001610-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001610-DUP1)		**Source: C6F0841-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Present		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6F0839 **Project: Linwood Discharge** **Date:** 06/20/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
P	Present
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # CWFC839

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature) R. Avila

Date	Time	Sample type: Grab	Sample type: Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
6-8-16	10:50 am	✓			4406 Linwood House		1L	1	✓	✓			✓	✓	✓	✓	✓	7-01	
6-8-16	10:50 am	✓			4406 Linwood House		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	6-8-16	12:17pm	Ashley Rahne	6/8/16	12:17
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 -NaOH 4 $Na_2S_2O_3$ 5 -HNO_3 6 -H_2SO_4 7 -Other _____

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers _____ 55 Gallon Drums _____

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0838 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 4318 W Linwood

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6F0838-01	6/08/2016 11:02	1.0	200.7	Calcium	**150**	mg/L		06/14/16 08:32
		1.0		Magnesium	**54.0**	mg/L		"
		1.0		Potassium	**4.6**	mg/L		"
		1.0		Sodium	**140**	mg/L		"
		5.0	300.0	Chloride	**171**	mg/L		06/08/16 17:33
		2.00		Nitrate as N	**19.2**	mg/L		"
		2.5		Sulfate as SO4	**105**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**1190**	mg/L		06/08/16 15:36
		24.4	SM2320B	Bicarbonate as HCO3	**651**	mg/L		06/13/16 08:26
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**534**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		06/08/16 14:20
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0838 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001587 - NO PREP			**Prepared: 06/08/16 Analyzed: 06/13/16**							
Blank (C001587-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001587-BS1)										
Chloride	8.4	1.0	mg/L	10.00		84	80-120			
Nitrate as N	3.45	0.40	"	4.000		86	85-115			
Sulfate as SO4	4.9	0.5	"	5.000		98	80-120			
LCS Dup (C001587-BSD1)										
Chloride	8.4	1.0	mg/L	10.00		84	80-120	0.2	20	
Nitrate as N	3.49	0.40	"	4.000		87	85-115	1	20	
Sulfate as SO4	5.0	0.5	"	5.000		100	80-120	2	20	
Matrix Spike (C001587-MS1)		**Source: C6F0720-07**								
Chloride	111	1.0	mg/L	10.00	143	NR	80-120			QM-02
Nitrate as N	5.15	0.40	"	4.000	2.00	79	85-115			QM-07
Sulfate as SO4	185	0.5	"	5.000	257	NR	80-120			QM-02
Matrix Spike Dup (C001587-MSD1)		**Source: C6F0720-07**								
Chloride	111	1.0	mg/L	10.00	143	NR	80-120	NR	20	QM-02
Nitrate as N	5.17	0.40	"	4.000	2.00	79	85-115	0.4	20	QM-07
Sulfate as SO4	184	0.5	"	5.000	257	NR	80-120	0.3	20	QM-02
Batch C001592 - NO PREP			**Prepared & Analyzed: 06/08/16**							
Blank (C001592-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001592-DUP1)		**Source: C6F0609-01**								
Total Dissolved Solids (TDS)	1800	10.0	mg/L		1800			0	10	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6F0838 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila **Date Rec'd:** 06/08/16
8119 Ellington Avenue
Hilmar, CA 95324

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001635 - NO PREP				**Prepared: 06/13/16 Analyzed: 06/14/16**						
Blank (C001635-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001635-BS1)										
Total Alkalinity as CaCO3	39.6	20.0	mg/L	39.22		101	80-120			
LCS Dup (C001635-BSD1)										
Total Alkalinity as CaCO3	39.8	20.0	mg/L	39.22		101	80-120	0.5	2	
Matrix Spike (C001635-MS1)		**Source: C6F0836-01**								
Total Alkalinity as CaCO3	127	20.0	mg/L	39.22	88.6	98	80-120			
Matrix Spike Dup (C001635-MSD1)		**Source: C6F0836-01**								
Total Alkalinity as CaCO3	56.4	20.0	mg/L	39.22	88.6	NR	80-120	77	20	QM-07
Batch C001644 - NONE				**Prepared & Analyzed: 06/14/16**						
Blank (C001644-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001644-BS1)										
Calcium	10.4	1.0	mg/L	10.00		104	80-120			
Magnesium	10.3	1.0	"	10.00		103	80-120			
Potassium	9.70	1.0	"	10.00		97	80-120			
Sodium	10.4	1.0	"	10.00		104	80-120			
LCS Dup (C001644-BSD1)										
Calcium	10.2	1.0	mg/L	10.00		102	80-120	2	20	
Magnesium	10.1	1.0	"	10.00		101	80-120	2	20	
Potassium	9.60	1.0	"	10.00		96	80-120	1	20	
Sodium	10.2	1.0	"	10.00		102	80-120	2	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0838 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001644 - NONE				**Prepared & Analyzed: 06/14/16**						
Matrix Spike (C001644-MS1)		**Source: C6F0834-01**								
Calcium	82.8	1.0	mg/L	10.00	73.2	96	80-120			
Magnesium	34.4	1.0	"	10.00	24.5	99	80-120			
Potassium	15.3	1.0	"	10.00	3.60	117	80-120			
Sodium	70.2	1.0	"	10.00	60.8	94	80-120			
Matrix Spike Dup (C001644-MSD1)		**Source: C6F0834-01**								
Calcium	82.1	1.0	mg/L	10.00	73.2	89	80-120	0.8	20	
Magnesium	34.2	1.0	"	10.00	24.5	97	80-120	0.6	20	
Potassium	15.3	1.0	"	10.00	3.60	117	80-120	0	20	
Sodium	69.4	1.0	"	10.00	60.8	86	80-120	1	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6F0838 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Microbiology - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001610 - BIO				**Prepared: 06/08/16 Analyzed: 06/09/16**						
Blank (C001610-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001610-DUP1)		**Source: C6F0841-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Present		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6F0838 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
P	Present
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # C6F0838

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature) R. Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
6-8-16	11:02 Am	✓			4318 W. Linwood		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
6-8-16	11:02 Am	✓			4318 W. Linwood		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	6-8-16	12:17 Pm	Tracy Rahul	6/8/16	12:17
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 -NaOH 4 $Na_2S_2O_3$ 5 -HNO_3 6 -H_2SO_4 7 -Other _____

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers _____ 55 Gallon Drums _____

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0837 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 4230 W Linwood

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6F0837-01	6/08/2016 11:16	1.0	200.7	Calcium	**120**	mg/L		06/14/16 08:32
		1.0		Magnesium	**42.7**	mg/L		"
		1.0		Potassium	**4.6**	mg/L		"
		1.0		Sodium	**111**	mg/L		"
		5.0	300.0	Chloride	**114**	mg/L		06/08/16 17:33
		0.40		Nitrate as N	**13.6**	mg/L		"
		2.5		Sulfate as SO4	**89.0**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**921**	mg/L		06/08/16 15:36
		24.4	SM2320B	Bicarbonate as HCO3	**508**	mg/L		06/13/16 08:26
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**416**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		06/08/16 14:20
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0837 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001587 - NO PREP				**Prepared: 06/08/16 Analyzed: 06/13/16**						
Blank (C001587-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001587-BS1)										
Chloride	8.4	1.0	mg/L	10.00		84	80-120			
Nitrate as N	3.45	0.40	"	4.000		86	85-115			
Sulfate as SO4	4.9	0.5	"	5.000		98	80-120			
LCS Dup (C001587-BSD1)										
Chloride	8.4	1.0	mg/L	10.00		84	80-120	0.2	20	
Nitrate as N	3.49	0.40	"	4.000		87	85-115	1	20	
Sulfate as SO4	5.0	0.5	"	5.000		100	80-120	2	20	
Matrix Spike (C001587-MS1)		**Source: C6F0720-07**								
Chloride	111	1.0	mg/L	10.00	143	NR	80-120			QM-02
Nitrate as N	5.15	0.40	"	4.000	2.00	79	85-115			QM-07
Sulfate as SO4	185	0.5	"	5.000	257	NR	80-120			QM-02
Matrix Spike Dup (C001587-MSD1)		**Source: C6F0720-07**								
Chloride	111	1.0	mg/L	10.00	143	NR	80-120	NR	20	QM-02
Nitrate as N	5.17	0.40	"	4.000	2.00	79	85-115	0.4	20	QM-07
Sulfate as SO4	184	0.5	"	5.000	257	NR	80-120	0.3	20	QM-02
Batch C001592 - NO PREP				**Prepared & Analyzed: 06/08/16**						
Blank (C001592-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001592-DUP1)		**Source: C6F0609-01**								
Total Dissolved Solids (TDS)	1800	10.0	mg/L		1800			0	10	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212

email: info@geoanalyticallab.com

Report # C6F0837 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001635 - NO PREP				**Prepared: 06/13/16 Analyzed: 06/14/16**						
Blank (C001635-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001635-BS1)										
Total Alkalinity as CaCO3	39.6	20.0	mg/L	39.22		101	80-120			
LCS Dup (C001635-BSD1)										
Total Alkalinity as CaCO3	39.8	20.0	mg/L	39.22		101	80-120	0.5	2	
Matrix Spike (C001635-MS1)		**Source: C6F0836-01**								
Total Alkalinity as CaCO3	127	20.0	mg/L	39.22	88.6	98	80-120			
Matrix Spike Dup (C001635-MSD1)		**Source: C6F0836-01**								
Total Alkalinity as CaCO3	56.4	20.0	mg/L	39.22	88.6	NR	80-120	77	20	QM-07
Batch C001644 - NONE				**Prepared & Analyzed: 06/14/16**						
Blank (C001644-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001644-BS1)										
Calcium	10.4	1.0	mg/L	10.00		104	80-120			
Magnesium	10.3	1.0	"	10.00		103	80-120			
Potassium	9.70	1.0	"	10.00		97	80-120			
Sodium	10.4	1.0	"	10.00		104	80-120			
LCS Dup (C001644-BSD1)										
Calcium	10.2	1.0	mg/L	10.00		102	80-120	2	20	
Magnesium	10.1	1.0	"	10.00		101	80-120	2	20	
Potassium	9.60	1.0	"	10.00		96	80-120	1	20	
Sodium	10.2	1.0	"	10.00		102	80-120	2	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0837 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001644 - NONE				**Prepared & Analyzed: 06/14/16**						
Matrix Spike (C001644-MS1)		**Source: C6F0834-01**								
Calcium	82.8	1.0	mg/L	10.00	73.2	96	80-120			
Magnesium	34.4	1.0	"	10.00	24.5	99	80-120			
Potassium	15.3	1.0	"	10.00	3.60	117	80-120			
Sodium	70.2	1.0	"	10.00	60.8	94	80-120			
Matrix Spike Dup (C001644-MSD1)		**Source: C6F0834-01**								
Calcium	82.1	1.0	mg/L	10.00	73.2	89	80-120	0.8	20	
Magnesium	34.2	1.0	"	10.00	24.5	97	80-120	0.6	20	
Potassium	15.3	1.0	"	10.00	3.60	117	80-120	0	20	
Sodium	69.4	1.0	"	10.00	60.8	86	80-120	1	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0837 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Microbiology - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001610 - BIO				**Prepared: 06/08/16 Analyzed: 06/09/16**						
Blank (C001610-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001610-DUP1)		**Source: C6F0841-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Present		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0837 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
P	Present
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # C6F0837

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature) R. Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
6-8-16	11:16 Am	✓			4230 W. Linwood		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
6-8-16	11:16 Am	✓			4230 W. Linwood		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	6-8-16	12:17 Pm	Kelly Rahne	6/8/16	12:17
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 NaOH 4 $Na_2S_2O_3$ 5 HNO_3 6 H_2SO_4 7 Other

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers 55 Gallon Drums

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0836 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 4207 Linwood

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6F0836-01	6/08/2016 11:34	1.0	200.7	Calcium	**20**	mg/L		06/14/16 08:32
		1.0		Magnesium	**3.4**	mg/L		"
		1.0		Potassium	**2.9**	mg/L		"
		1.0		Sodium	**31.0**	mg/L		"
		1.0	300.0	Chloride	**31.6**	mg/L		06/08/16 17:33
		0.40		Nitrate as N	**1.08**	mg/L		"
		0.5		Sulfate as SO4	**13.7**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**183**	mg/L		06/08/16 15:36
		24.4	SM2320B	Bicarbonate as HCO3	**108**	mg/L		06/13/16 08:26
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**88.6**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		06/08/16 14:20
		NA		Total Coliform	Absent	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0836 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001587 - NO PREP				**Prepared: 06/08/16 Analyzed: 06/13/16**						
Blank (C001587-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001587-BS1)										
Chloride	8.4	1.0	mg/L	10.00		84	80-120			
Nitrate as N	3.45	0.40	"	4.000		86	85-115			
Sulfate as SO4	4.9	0.5	"	5.000		98	80-120			
LCS Dup (C001587-BSD1)										
Chloride	8.4	1.0	mg/L	10.00		84	80-120	0.2	20	
Nitrate as N	3.49	0.40	"	4.000		87	85-115	1	20	
Sulfate as SO4	5.0	0.5	"	5.000		100	80-120	2	20	
Matrix Spike (C001587-MS1)		**Source: C6F0720-07**								
Chloride	111	1.0	mg/L	10.00	143	NR	80-120			QM-02
Nitrate as N	5.15	0.40	"	4.000	2.00	79	85-115			QM-07
Sulfate as SO4	185	0.5	"	5.000	257	NR	80-120			QM-02
Matrix Spike Dup (C001587-MSD1)		**Source: C6F0720-07**								
Chloride	111	1.0	mg/L	10.00	143	NR	80-120	NR	20	QM-02
Nitrate as N	5.17	0.40	"	4.000	2.00	79	85-115	0.4	20	QM-07
Sulfate as SO4	184	0.5	"	5.000	257	NR	80-120	0.3	20	QM-02
Batch C001592 - NO PREP				**Prepared & Analyzed: 06/08/16**						
Blank (C001592-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001592-DUP1)		**Source: C6F0609-01**								
Total Dissolved Solids (TDS)	1800	10.0	mg/L		1800			0	10	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0836 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001635 - NO PREP				**Prepared: 06/13/16 Analyzed: 06/14/16**						
Blank (C001635-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001635-BS1)										
Total Alkalinity as CaCO3	39.6	20.0	mg/L	39.22		101	80-120			
LCS Dup (C001635-BSD1)										
Total Alkalinity as CaCO3	39.8	20.0	mg/L	39.22		101	80-120	0.5	2	
Matrix Spike (C001635-MS1)		**Source: C6F0836-01**								
Total Alkalinity as CaCO3	127	20.0	mg/L	39.22	88.6	98	80-120			
Matrix Spike Dup (C001635-MSD1)		**Source: C6F0836-01**								
Total Alkalinity as CaCO3	56.4	20.0	mg/L	39.22	88.6	NR	80-120	77	20	QM-07
Batch C001644 - NONE				**Prepared & Analyzed: 06/14/16**						
Blank (C001644-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001644-BS1)										
Calcium	10.4	1.0	mg/L	10.00		104	80-120			
Magnesium	10.3	1.0	"	10.00		103	80-120			
Potassium	9.70	1.0	"	10.00		97	80-120			
Sodium	10.4	1.0	"	10.00		104	80-120			
LCS Dup (C001644-BSD1)										
Calcium	10.2	1.0	mg/L	10.00		102	80-120	2	20	
Magnesium	10.1	1.0	"	10.00		101	80-120	2	20	
Potassium	9.60	1.0	"	10.00		96	80-120	1	20	
Sodium	10.2	1.0	"	10.00		102	80-120	2	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0836 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001644 - NONE				**Prepared & Analyzed: 06/14/16**						
Matrix Spike (C001644-MS1)		**Source: C6F0834-01**								
Calcium	82.8	1.0	mg/L	10.00	73.2	96	80-120			
Magnesium	34.4	1.0	"	10.00	24.5	99	80-120			
Potassium	15.3	1.0	"	10.00	3.60	117	80-120			
Sodium	70.2	1.0	"	10.00	60.8	94	80-120			
Matrix Spike Dup (C001644-MSD1)		**Source: C6F0834-01**								
Calcium	82.1	1.0	mg/L	10.00	73.2	89	80-120	0.8	20	
Magnesium	34.2	1.0	"	10.00	24.5	97	80-120	0.6	20	
Potassium	15.3	1.0	"	10.00	3.60	117	80-120	0	20	
Sodium	69.4	1.0	"	10.00	60.8	86	80-120	1	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0836 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Microbiology - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001610 - BIO				**Prepared: 06/08/16 Analyzed: 06/09/16**						
Blank (C001610-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001610-DUP1)		**Source: C6F0841-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Present		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0836 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
P	Present
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # C6F0836

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature) R. Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
6-8-16	11:34 am	✓			4207 Linwood		1L	1	✓	✓			✓	✓	✓	✓	✓	7-01	
6-8-16	11:34 am	✓			4207 Linwood		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	6-8-16	12:17 pm	[illegible]	6/8/16	12:17
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 -NaOH 4 $Na_2S_2O_3$ 5 -HNO_3 6 -H_2SO_4 7 -Other _____

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers _____ 55 Gallon Drums _____

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0835 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 4200 W Linwood

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6F0835-01	6/08/2016 11:49	1.0	200.7	Calcium	**110**	mg/L		06/14/16 08:32
		1.0		Magnesium	**37.2**	mg/L		"
		1.0		Potassium	**4.7**	mg/L		"
		1.0		Sodium	**111**	mg/L		"
		5.0	300.0	Chloride	**98.9**	mg/L		06/08/16 17:33
		0.40		Nitrate as N	**17.9**	mg/L		"
		2.5		Sulfate as SO4	**85.9**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**887**	mg/L		06/08/16 15:36
		24.4	SM2320B	Bicarbonate as HCO3	**466**	mg/L		06/13/16 08:26
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**382**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		06/08/16 14:20
		NA		Total Coliform	Present	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0835 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001587 - NO PREP				**Prepared: 06/08/16 Analyzed: 06/13/16**						
Blank (C001587-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001587-BS1)										
Chloride	8.4	1.0	mg/L	10.00		84	80-120			
Nitrate as N	3.45	0.40	"	4.000		86	85-115			
Sulfate as SO4	4.9	0.5	"	5.000		98	80-120			
LCS Dup (C001587-BSD1)										
Chloride	8.4	1.0	mg/L	10.00		84	80-120	0.2	20	
Nitrate as N	3.49	0.40	"	4.000		87	85-115	1	20	
Sulfate as SO4	5.0	0.5	"	5.000		100	80-120	2	20	
Matrix Spike (C001587-MS1)		**Source: C6F0720-07**								
Chloride	111	1.0	mg/L	10.00	143	NR	80-120			QM-02
Nitrate as N	5.15	0.40	"	4.000	2.00	79	85-115			QM-07
Sulfate as SO4	185	0.5	"	5.000	257	NR	80-120			QM-02
Matrix Spike Dup (C001587-MSD1)		**Source: C6F0720-07**								
Chloride	111	1.0	mg/L	10.00	143	NR	80-120	NR	20	QM-02
Nitrate as N	5.17	0.40	"	4.000	2.00	79	85-115	0.4	20	QM-07
Sulfate as SO4	184	0.5	"	5.000	257	NR	80-120	0.3	20	QM-02
Batch C001592 - NO PREP				**Prepared & Analyzed: 06/08/16**						
Blank (C001592-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001592-DUP1)		**Source: C6F0609-01**								
Total Dissolved Solids (TDS)	1800	10.0	mg/L		1800			0	10	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0835 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001635 - NO PREP				**Prepared: 06/13/16 Analyzed: 06/14/16**						
Blank (C001635-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001635-BS1)										
Total Alkalinity as CaCO3	39.6	20.0	mg/L	39.22		101	80-120			
LCS Dup (C001635-BSD1)										
Total Alkalinity as CaCO3	39.8	20.0	mg/L	39.22		101	80-120	0.5	2	
Matrix Spike (C001635-MS1)		**Source: C6F0836-01**								
Total Alkalinity as CaCO3	127	20.0	mg/L	39.22	88.6	98	80-120			
Matrix Spike Dup (C001635-MSD1)		**Source: C6F0836-01**								
Total Alkalinity as CaCO3	56.4	20.0	mg/L	39.22	88.6	NR	80-120	77	20	QM-07
Batch C001644 - NONE				**Prepared & Analyzed: 06/14/16**						
Blank (C001644-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001644-BS1)										
Calcium	10.4	1.0	mg/L	10.00		104	80-120			
Magnesium	10.3	1.0	"	10.00		103	80-120			
Potassium	9.70	1.0	"	10.00		97	80-120			
Sodium	10.4	1.0	"	10.00		104	80-120			
LCS Dup (C001644-BSD1)										
Calcium	10.2	1.0	mg/L	10.00		102	80-120	2	20	
Magnesium	10.1	1.0	"	10.00		101	80-120	2	20	
Potassium	9.60	1.0	"	10.00		96	80-120	1	20	
Sodium	10.2	1.0	"	10.00		102	80-120	2	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0835 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001644 - NONE				**Prepared & Analyzed: 06/14/16**						
Matrix Spike (C001644-MS1)		**Source: C6F0834-01**								
Calcium	82.8	1.0	mg/L	10.00	73.2	96	80-120			
Magnesium	34.4	1.0	"	10.00	24.5	99	80-120			
Potassium	15.3	1.0	"	10.00	3.60	117	80-120			
Sodium	70.2	1.0	"	10.00	60.8	94	80-120			
Matrix Spike Dup (C001644-MSD1)		**Source: C6F0834-01**								
Calcium	82.1	1.0	mg/L	10.00	73.2	89	80-120	0.8	20	
Magnesium	34.2	1.0	"	10.00	24.5	97	80-120	0.6	20	
Potassium	15.3	1.0	"	10.00	3.60	117	80-120	0	20	
Sodium	69.4	1.0	"	10.00	60.8	86	80-120	1	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0835 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Microbiology - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001610 - BIO				**Prepared: 06/08/16 Analyzed: 06/09/16**						
Blank (C001610-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001610-DUP1)		**Source: C6F0841-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Present		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0835 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
P	Present
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380

Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # C6F0835

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Phone: (209) 669-7919

Fax: (209) 250-1919

Original To: frontdesk@randjavila.com

C.C To:

Client: R & J Avila, Inc.

Address: 8119 Ellington Ave

City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT

☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila

(Signature) R. Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
6-8-16	11:49 am	✓			4200 W. Linwood		1L	1	✓	✓			✓	✓	✓	✓	✓	7-01	
6-8-16	11:49 am	✓			4200 W. Linwood		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	6-8-16	12:17 pm	Kelly Kahue	6/8/16	12:17
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 -NaOH 4 $Na_2S_2O_3$ 5 -HNO_3 6 -H_2SO_4 7 -Other _____

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers _____ 55 Gallon Drums _____

Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By: _____

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0834 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

CERTIFICATE OF ANALYSIS

Sampler: Rui Avila

Sample ID: 3928 W Linwood

Lab ID	Sample Date / Time	RL	Method	Analyte	Result	Units	Notes	Started
C6F0834-01	6/08/2016 12:02	1.0	200.7	Calcium	**73**	mg/L		06/14/16 08:32
		1.0		Magnesium	**24.5**	mg/L		"
		1.0		Potassium	**3.6**	mg/L		"
		1.0		Sodium	**60.8**	mg/L		"
		1.0	300.0	Chloride	**44.6**	mg/L		06/08/16 17:33
		0.40		Nitrate as N	**19.7**	mg/L		"
		2.5		Sulfate as SO4	**55.6**	mg/L		"
		10.0	SM 2540 C	Total Dissolved Solids (TDS)	**588**	mg/L		06/08/16 15:36
		24.4	SM2320B	Bicarbonate as HCO3	**314**	mg/L		06/13/16 08:26
		12.0		Carbonate as CO3	ND	mg/L		"
		6.8		Hydroxide as OH	ND	mg/L		"
		20.0		Total Alkalinity as CaCO3	**258**	mg/L		"
		NA	SM9223 (Colitag)	E. Coli	Absent	NA		06/08/16 14:20
		NA		Total Coliform	Present	NA		"

Kanti Gandhi
Chemist

Donna Keller
Laboratory Director

Certification # 2585

Exhibit 23

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0834 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001587 - NO PREP				**Prepared: 06/08/16 Analyzed: 06/13/16**						
Blank (C001587-BLK1)										
Chloride	ND	1.0	mg/L							
Nitrate as N	ND	0.40	"							
Sulfate as SO4	ND	0.5	"							
LCS (C001587-BS1)										
Chloride	8.4	1.0	mg/L	10.00		84	80-120			
Nitrate as N	3.45	0.40	"	4.000		86	85-115			
Sulfate as SO4	4.9	0.5	"	5.000		98	80-120			
LCS Dup (C001587-BSD1)										
Chloride	8.4	1.0	mg/L	10.00		84	80-120	0.2	20	
Nitrate as N	3.49	0.40	"	4.000		87	85-115	1	20	
Sulfate as SO4	5.0	0.5	"	5.000		100	80-120	2	20	
Matrix Spike (C001587-MS1)		**Source: C6F0720-07**								
Chloride	111	1.0	mg/L	10.00	143	NR	80-120			QM-02
Nitrate as N	5.15	0.40	"	4.000	2.00	79	85-115			QM-07
Sulfate as SO4	185	0.5	"	5.000	257	NR	80-120			QM-02
Matrix Spike Dup (C001587-MSD1)		**Source: C6F0720-07**								
Chloride	111	1.0	mg/L	10.00	143	NR	80-120	NR	20	QM-02
Nitrate as N	5.17	0.40	"	4.000	2.00	79	85-115	0.4	20	QM-07
Sulfate as SO4	184	0.5	"	5.000	257	NR	80-120	0.3	20	QM-02
Batch C001592 - NO PREP				**Prepared & Analyzed: 06/08/16**						
Blank (C001592-BLK1)										
Total Dissolved Solids (TDS)	ND	10.0	mg/L							
Duplicate (C001592-DUP1)		**Source: C6F0609-01**								
Total Dissolved Solids (TDS)	1800	10.0	mg/L		1800			0	10	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0834 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001635 - NO PREP				**Prepared: 06/13/16 Analyzed: 06/14/16**						
Blank (C001635-BLK1)										
Total Alkalinity as CaCO3	ND	20.0	mg/L							
LCS (C001635-BS1)										
Total Alkalinity as CaCO3	39.6	20.0	mg/L	39.22		101	80-120			
LCS Dup (C001635-BSD1)										
Total Alkalinity as CaCO3	39.8	20.0	mg/L	39.22		101	80-120	0.5	2	
Matrix Spike (C001635-MS1)		**Source: C6F0836-01**								
Total Alkalinity as CaCO3	127	20.0	mg/L	39.22	88.6	98	80-120			
Matrix Spike Dup (C001635-MSD1)		**Source: C6F0836-01**								
Total Alkalinity as CaCO3	56.4	20.0	mg/L	39.22	88.6	NR	80-120	77	20	QM-07
Batch C001644 - NONE				**Prepared & Analyzed: 06/14/16**						
Blank (C001644-BLK1)										
Calcium	ND	1.0	mg/L							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							
LCS (C001644-BS1)										
Calcium	10.4	1.0	mg/L	10.00		104	80-120			
Magnesium	10.3	1.0	"	10.00		103	80-120			
Potassium	9.70	1.0	"	10.00		97	80-120			
Sodium	10.4	1.0	"	10.00		104	80-120			
LCS Dup (C001644-BSD1)										
Calcium	10.2	1.0	mg/L	10.00		102	80-120	2	20	
Magnesium	10.1	1.0	"	10.00		101	80-120	2	20	
Potassium	9.60	1.0	"	10.00		96	80-120	1	20	
Sodium	10.2	1.0	"	10.00		102	80-120	2	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0834 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Inorganic Chemistry - Quality Control

GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001644 - NONE				**Prepared & Analyzed: 06/14/16**						
Matrix Spike (C001644-MS1)		**Source: C6F0834-01**								
Calcium	82.8	1.0	mg/L	10.00	73.2	96	80-120			
Magnesium	34.4	1.0	"	10.00	24.5	99	80-120			
Potassium	15.3	1.0	"	10.00	3.60	117	80-120			
Sodium	70.2	1.0	"	10.00	60.8	94	80-120			
Matrix Spike Dup (C001644-MSD1)		**Source: C6F0834-01**								
Calcium	82.1	1.0	mg/L	10.00	73.2	89	80-120	0.8	20	
Magnesium	34.2	1.0	"	10.00	24.5	97	80-120	0.6	20	
Potassium	15.3	1.0	"	10.00	3.60	117	80-120	0	20	
Sodium	69.4	1.0	"	10.00	60.8	86	80-120	1	20	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0834 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Microbiology - Quality Control
GeoAnalytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch C001610 - BIO				**Prepared: 06/08/16 Analyzed: 06/09/16**						
Blank (C001610-BLK1)										
E. Coli	Absent		NA							
Total Coliform	Absent		"							
Duplicate (C001610-DUP1)		**Source: C6F0841-01**								
E. Coli	Absent		NA		0.0				0	
Total Coliform	Present		"		0.0				0	

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr. Turlock, CA 95380 Phone (209) 669-0100 Fax (209) 593-2212
email: info@geoanalyticallab.com

Report # C6F0834 **Project: Linwood Discharge** **Date:** 06/21/16

R & J Avila
8119 Ellington Avenue
Hilmar, CA 95324

Date Rec'd: 06/08/16

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
P	Present
A	Absent
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
RL	Reporting Limit
NA	Not Applicable

GeoAnalytical Laboratories, Inc.

2300 Maryann Dr
Turlock, CA 95380
Phone: (209) 669 0100
Fax: (209) 593 2212

Lab Report # C6FG834
Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No
Regulator:
Phone: (209) 669-7919
Fax: (209) 250-1919
Original To: frontdesk@randjavila.com
C.C To:

Client: R & J Avila, Inc.
Address: 8119 Ellington Ave
City Hilmar Zip 95324

CHAIN OF CUSTODY

☐ EDF ☐ EDT
☐ FIELD LOGS

Project ID Linwood Discharge

Sampled By (Print Name) Rui Avila
(Signature) R. Avila

Date	Time	Sample type Grab	Sample type Comp	Matrix	Sample ID	Container Type	Container Size	No. Of Containers	Nitrate as N	TDS	E. Coli (P/A)	Total Coliform (P/A)	Ca, Mg, Na, K	Bicarbonate	Carbonate	Sulfate	Chloride	Lab Use Only: Lab ID #	Lab Use Only: Preservative
6-8-16	12:02 pm	✓			3928 W. Linwood		1L	1	✓	✓			✓	✓	✓	✓	✓	-01	
6-8-16	12:02 pm	✓			3928 W. Linwood		100ml	1			✓	✓							

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
R. Avila	6-8-16	12:17 pm	[illegible]	6/8/16	12:17
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 -NaOH 4 $Na_2S_2O_3$ 5 -HNO_3 6 -H_2SO_4 7 -Other

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers _____ 55 Gallon Drums _____ Pump Truck ☐ Time Mileage

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By:

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 1600 WASHINGTON	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	6-8-16	Weather : SUNNY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		Water level measurement technique		
Static Depth to Water-ft [A]		(Circle)	Electrical Sounder Serial # _____	
Total Depth of Casing-ft [B]		Purge Method:	Grundfos Sub.	Pneumatic
Water Column Height-ft [B-A]		(Circle)	Electric Pump	Hand Bail
Casing Diameter-in (circle)			Other _____	
Casing Capacity-gal/ft (circle) [C]			Dedicated System: Yes No	
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)		
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____		

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F (°C)	TurbidityNTU DO mg/L (ORP) mv	Remarks (Color, Odor, Turbidity, etc.)
9:29 AM			7.56	486.1	19.7	222	
9:32 AM			7.74	480.4	19.6	183	
9:35 AM			7.91	479.3	19.6	162	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter	
Purge Pump time off		Sample Collection Method (check): _____	Direct from discharge hose
Total Gallons Purged		_____	Teflon Bailer
Purge Rate (gpm)			Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)	

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
9:37 AM				

Observations/Notes:

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 1624 WASHINGTON	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	6-8-16	Weather: SUNNY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		Water level measurement technique		
Static Depth to Water-ft [A]		(Circle)	Electrical Sounder Serial # _____	
Total Depth of Casing-ft [B]		Purge Method:	Grundfos Sub.	Pneumatic
Water Column Height-ft [B-A]		(Circle)	Electric Pump	Hand Bail
Casing Diameter-in (circle)			Other _____	
Casing Capacity-gal/ft (circle) [C]			Dedicated System: Yes No	
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)		
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____		

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F (°C)	TurbidityNTU DO mg/L ORP mv	Remarks (Color, Odor, Turbidity, etc.)
9:47 Am			7.80	1245	19.3	198	
9:51 Am			7.75	1243	19.4	197	
9:54 Am			7.74	1245	19.4	194	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter	
Purge Pump time off		Sample Collection Method (check): _____	Direct from discharge hose
Total Gallons Purged		_____	Teflon Bailer
Purge Rate (gpm)			Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)	

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
9:55 Am				

Observations/Notes:	

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 4600 LINWOOD	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	6-8-16	Weather : SUNNY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		Water level measurement technique		
Static Depth to Water-ft [A]		(Circle)	Electrical Sounder Serial # _____	
Total Depth of Casing-ft [B]		Purge Method:	Grundfos Sub.	Pneumatic
Water Column Height-ft [B-A]		(Circle)	Electric Pump	Hand Bail
Casing Diameter-in (circle)			Other _____	
Casing Capacity-gal/ft (circle) [C]			Dedicated System: Yes No	
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)		
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____		

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F °C	TurbidityNTU DO mg/L ORP mv	Remarks (Color, Odor, Turbidity, etc.)
10:10 Am			8.03	983.5	20.0	207	
10:14 Am			7.95	985.4	19.9	204	
10:16 Am			7.86	982.5	19.9	203	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter	
Purge Pump time off		Sample Collection Method (check):	_____ Direct from discharge hose
Total Gallons Purged			_____ Teflon Bailer
Purge Rate (gpm)			Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)	

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
10:18 Am				

Observations/Notes:

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 4530 Linwood	Date:	Field Personnel: R & J AVILA, INC.
Day: Wednesday	6-8-16	Weather: Sunny

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		Water level measurement technique
Static Depth to Water-ft [A]		(Circle) Electrical Sounder Serial # _____
Total Depth of Casing-ft [B]		Purge Method: Grundfos Sub. Pneumatic
Water Column Height-ft [B-A]		(Circle) Electric Pump Hand Bail
Casing Diameter-in (circle)		Other _____
Casing Capacity-gal/ft (circle) [C]		Dedicated System: Yes No
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F °C	TurbidityNTU DO mg/L ORP mv	Remarks (Color, Odor, Turbidity, etc.)
10:23 am			7.87	1186	20.7	207	
10:26 am			7.85	1180	20.4	202	
10:29 am			7.84	1190	20.3	199	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
10:30 am				

Observations/Notes:

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 4500 LINWOOD	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	6-8-16	Weather : SUNNY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		Water level measurement technique		
Static Depth to Water-ft [A]		(Circle)	Electrical Sounder Serial # _____	
Total Depth of Casing-ft [B]		Purge Method:	Grundfos Sub.	Pneumatic
Water Column Height-ft [B-A]		(Circle)	Electric Pump	Hand Bail
Casing Diameter-in (circle)			Other _____	
Casing Capacity-gal/ft (circle) [C]			Dedicated System: Yes No	
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)		
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____		

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F °C	TurbidityNTU DO mg/L ORP mv	Remarks (Color, Odor, Turbidity, etc.)
10:34 am			8.77	319.4	20.0	175	
10:37 am			8.62	320.7	20.8	134	
10:39 am			8.58	320.9	21.5	111	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter	
Purge Pump time off		Sample Collection Method (check): _____	Direct from discharge hose
Total Gallons Purged		_____	Teflon Bailer
Purge Rate (gpm)			Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)	

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
10:40 am				

Observations/Notes:	

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 4406 LINWOOD	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	6-8-16	Weather : SUNNY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		Water level measurement technique		
Static Depth to Water-ft [A]		(Circle)	Electrical Sounder Serial # _____	
Total Depth of Casing-ft [B]		Purge Method:	Grundfos Sub.	Pneumatic
Water Column Height-ft [B-A]		(Circle)	Electric Pump	Hand Bail
Casing Diameter-in (circle)			Other _____	
Casing Capacity-gal/ft (circle) [C]			Dedicated System: Yes No	
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)		
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____		

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F (°C)	TurbidityNTU DO mg/L (ORP) mv	Remarks (Color, Odor, Turbidity, etc.)
10:42 Am			8.05	1380	20.0	204	
10:46 Am			7.83	1376	19.7	200	
10:48 Am			7.71	1376	19.7	195	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter	
Purge Pump time off		Sample Collection Method (check):	_____ Direct from discharge hose
Total Gallons Purged			_____ Teflon Bailer
Purge Rate (gpm)			Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)	

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
10:50 Am				

Observations/Notes:

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 4318 LINWOOD	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	6-8-16	Weather : SUNNY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		Water level measurement technique
Static Depth to Water-ft [A]		(Circle) Electrical Sounder Serial # _____
Total Depth of Casing-ft [B]		Purge Method: Grundfos Sub. Pneumatic
Water Column Height-ft [B-A]		(Circle) Electric Pump Hand Bail
Casing Diameter-in (circle)		Other _____
Casing Capacity-gal/ft (circle) [C]		Dedicated System: Yes No
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F °C	TurbidityNTU DO mg/L ORP mv	Remarks (Color, Odor, Turbidity, etc.)
10:55 am			7.88	1890	21.2	196	
10:58 am			7.80	1886	20.7	187	
11:00 am			7.67	1888	20.5	181	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
11:02 am				

Observations/Notes:	

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 4230 Linwood	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	6-8-16	Weather : Sunny

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		Water level measurement technique		
Static Depth to Water-ft [A]		(Circle)	Electrical Sounder Serial # _____	
Total Depth of Casing-ft [B]		Purge Method:	Grundfos Sub.	Pneumatic
Water Column Height-ft [B-A]		(Circle)	Electric Pump	Hand Bail
Casing Diameter-in (circle)			Other _____	
Casing Capacity-gal/ft (circle) [C]			Dedicated System: Yes No	
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)		
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____		

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F (°C)	TurbidityNTU DO mg/L ORP mv	Remarks (Color, Odor, Turbidity, etc.)
11:09 Am			7.93	1449	20.8	175	
11:12 Am			7.87	1439	20.1	163	
11:15 Am			7.77	1439	20.1	158	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter	
Purge Pump time off		Sample Collection Method (check):	_____ Direct from discharge hose
Total Gallons Purged			_____ Teflon Bailer
Purge Rate (gpm)			Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)	

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
11:16 Am				

Observations/Notes:	

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 4207 LINWOOD	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	6-8-16	Weather: SUNNY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		
Static Depth to Water-ft [A]		Water level measurement technique (Circle) Electrical Sounder Serial # _____
Total Depth of Casing-ft [B]		Purge Method: (Circle) Grundfos Sub. Pneumatic Electric Pump Hand Bail
Water Column Height-ft [B-A]		
Casing Diameter-in (circle)		Other _____
Casing Capacity-gal/ft (circle) [C]		Dedicated System: Yes No
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F (°C)	TurbidityNTU DO mg/L (ORP) mv	Remarks (Color, Odor, Turbidity, etc.)
11:27 AM			8.04	293.6	21.8	1.35	
11:30 AM			8.79	292.1	21.5	1.35	
11:33 AM			8.78	292.9	21.3	1.32	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
11:34 AM				

Observations/Notes:

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 4200 LINWOOD	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	6-8-16	Weather : SUNNY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		Water level measurement technique
Static Depth to Water-ft [A]		(Circle) Electrical Sounder Serial # _____
Total Depth of Casing-ft [B]		Purge Method: Grundfos Sub. Pneumatic
Water Column Height-ft [B-A]		(Circle) Electric Pump Hand Bail
Casing Diameter-in (circle)		Other _____
Casing Capacity-gal/ft (circle) [C]		Dedicated System: Yes No
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F (°C)	TurbidityNTU DO mg/L (ORP) mv	Remarks (Color, Odor, Turbidity, etc.)
11:41 am			8.14	1390	19.1	207	
11:45 am			7.91	1400	19.0	203	
11:47 am			7.87	1380	19.0	201	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
11:49 am				

Observations/Notes:	

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 3928 LINWOOD	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	6-8-16	Weather: SUNNY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		Water level measurement technique
Static Depth to Water-ft [A]		(Circle) Electrical Sounder Serial # _____
Total Depth of Casing-ft [B]		Purge Method: Grundfos Sub. Pneumatic
Water Column Height-ft [B-A]		(Circle) Electric Pump Hand Bail
Casing Diameter-in (circle)		Other _____
Casing Capacity-gal/ft (circle) [C]		Dedicated System: Yes No
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F (°C)	TurbidityNTU DO mg/L (ORP) mv	Remarks (Color, Odor, Turbidity, etc.)
11:55 AM			8.31	880.8	20.6	191	
11:58 AM			8.16	882.4	20.0	190	
12:00 PM			8.09	884.0	20.4	188	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
12:02 PM				

Observations/Notes:	

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 4318 Linwood	Date:	Field Personnel: R & J AVILA, INC.
Day: Wednesday	5-11-16	Weather: Sunny, Breezy

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		
Static Depth to Water-ft [A]		Water level measurement technique (Circle) Electrical Sounder Serial # _____
Total Depth of Casing-ft [B]		Purge Method: (Circle) Grundfos Sub. Pneumatic Electric Pump Hand Bail Other _____ Dedicated System: Yes No
Water Column Height-ft [B-A]		
Casing Diameter-in (circle)		
Casing Capacity-gal/ft (circle) [C]		
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F °C	TurbidityNTU DO mg/L ORP mv	Remarks (Color, Odor, Turbidity, etc.)
11:51 am			6.72	1880	21.2	516	
11:54 am			6.68	1891	20.6	503	
11:57 am			6.66	1894	20.4	498	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
12:00 pm				

Observations/Notes:

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 4260 LINWOOD	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	5-11-16	Weather: SUNNY, BREEZY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		
Static Depth to Water-ft [A]		Water level measurement technique (Circle) Electrical Sounder Serial # _____
Total Depth of Casing-ft [B]		Purge Method: (Circle) Grundfos Sub. Pneumatic Electric Pump Hand Bail Other _____ Dedicated System: Yes No
Water Column Height-ft [B-A]		
Casing Diameter-in (circle)		
Casing Capacity-gal/ft (circle) [C]		
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F (°C)	TurbidityNTU DO mg/L ORP mv	Remarks (Color, Odor, Turbidity, etc.)
11:38 Am			6.80	1379	19.0	845	
11:41 Am			6.77	1372	19.0	855	
11:45 Am			6.75	1375	18.9	855	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
11:50 Am				

Observations/Notes:

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 4230 LINWOOD	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	5-11-16	Weather: SUNNY, BREEZY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		Water level measurement technique
Static Depth to Water-ft [A]		(Circle) Electrical Sounder Serial # _____
Total Depth of Casing-ft [B]		Purge Method: Grundfos Sub. Pneumatic
Water Column Height-ft [B-A]		(Circle) Electric Pump Hand Bail
Casing Diameter-in (circle)		Other _____
Casing Capacity-gal/ft (circle) [C]		Dedicated System: Yes No
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F (°C)	TurbidityNTU DO mg/L (ORP) mv	Remarks (Color, Odor, Turbidity, etc.)
11:26 AM			7.08	1359	19.9	170	
11:29 AM			7.00	1368	20.3	172	
11:32 AM			6.97	1371	20.2	173	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
11:35 AM				

Observations/Notes:	

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 4207 Linwood	Date:	Field Personnel: R & J AVILA, INC.
Day: Wednesday	5-11-16	Weather: Sunny, Breezy

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes:		

Well Data		
Static Depth to Water-ft [A]		Water level measurement technique (Circle) Electrical Sounder Serial # _____
Total Depth of Casing-ft [B]		Purge Method: (Circle) Grundfos Sub. Pneumatic Electric Pump Hand Bail Other _____ Dedicated System: Yes No
Water Column Height-ft [B-A]		
Casing Diameter-in (circle)		
Casing Capacity-gal/ft (circle) [C]		
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F (°C)	TurbidityNTU DO mg/L ORP mv	Remarks (Color, Odor, Turbidity, etc.)
11:13 am			7.81	284.6	21.9	148	
11:16 am			7.76	299.9	21.6	148	
11:20 am			7.72	298.9	21.5	147	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
11:22 am				

Observations/Notes:

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 4406 Linwood	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	5-11-16	Weather: SUNNY, BREEZY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		
Static Depth to Water-ft [A]		Water level measurement technique (Circle) Electrical Sounder Serial # _____
Total Depth of Casing-ft [B]		Purge Method: Grundfos Sub. Pneumatic
Water Column Height-ft [B-A]		(Circle) Electric Pump Hand Bail
Casing Diameter-in (circle)		Other _____
Casing Capacity-gal/ft (circle) [C]		Dedicated System: Yes No
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F (°C)	TurbidityNTU DO mg/L (ORP) mv	Remarks (Color, Odor, Turbidity, etc.)
10:52 Am			6.65	1401	19.9	159	
10:55 Am			6.61	1396	19.5	164	
10:59 Am			6.60	1395	19.4	165	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
11:01 Am				

Observations/Notes:

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 4500 LINWOOD	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	5/11/16	Weather: SUNNY, BREEZY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		
Static Depth to Water-ft [A]		Water level measurement technique (Circle) Electrical Sounder Serial # _____
Total Depth of Casing-ft [B]		Purge Method: (Circle) Grundfos Sub. Pneumatic Electric Pump Hand Bail Other _____ Dedicated System: Yes No
Water Column Height-ft [B-A]		
Casing Diameter-in (circle)		
Casing Capacity-gal/ft (circle) [C]		
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F °C	TurbidityNTU DO mg/L ORP mv	Remarks (Color, Odor, Turbidity, etc.)
10:42 am			7.26	326.2	20.9	129	
10:45 am			7.25	318.6	21.5	112	
10:48 am			7.24	317.8	21.7	103	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
10:50 am				

Observations/Notes:

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name:	Date:	Field Personnel: R & J AVILA, INC.
Day:	5/11/16	Weather : SUNNY, BREEZY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		Water level measurement technique
Static Depth to Water-ft [A]		(Circle) Electrical Sounder Serial # _____
Total Depth of Casing-ft [B]		Purge Method: Grundfos Sub. Pneumatic
Water Column Height-ft [B-A]		(Circle) Electric Pump Hand Bail
Casing Diameter-in (circle)		Other _____
Casing Capacity-gal/ft (circle) [C]		Dedicated System: Yes No
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F (°C)	TurbidityNTU DO mg/L (ORP) mv	Remarks (Color, Odor, Turbidity, etc.)
10:30 am			6.64	1230	19.4	169	
10:34 am			6.62	1230	19.3	171	
10:37 Am			6.60	1231	19.3	172	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
10:40 am				

Observations/Notes:

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 4600 LINWOOD	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	5-11-16	Weather: SUNNY, BREEZY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		
Static Depth to Water-ft [A]		Water level measurement technique (Circle) Electrical Sounder Serial # _____
Total Depth of Casing-ft [B]		Purge Method: (Circle) Grundfos Sub. Pneumatic Electric Pump Hand Bail Other _____ Dedicated System: Yes No
Water Column Height-ft [B-A]		
Casing Diameter-in (circle)		
Casing Capacity-gal/ft (circle) [C]		
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F (°C)	TurbidityNTU DO mg/L (ORP) mv	Remarks (Color, Odor, Turbidity, etc.)
10:15 am			6.64	1048	22.0	178	
10:18 am			6.54	1042	21.9	186	
10:21 am			6.51	1046	21.9	189	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
10:24 am				

Observations/Notes:

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 1600 WASHINGTON	Date:	Field Personnel: R & J AVILA, INC.
Day:	5-11-16	Weather: SUNNY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		
Static Depth to Water-ft [A]		Water level measurement technique (Circle) Electrical Sounder Serial # _____
Total Depth of Casing-ft [B]		Purge Method: (Circle) Grundfos Sub. Pneumatic Electric Pump Hand Bail Other _____ Dedicated System: Yes No
Water Column Height-ft [B-A]		
Casing Diameter-in (circle)		
Casing Capacity-gal/ft (circle) [C]		
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F (°C)	TurbidityNTU DO mg/L ORP mv	Remarks (Color, Odor, Turbidity, etc.)
9:30 am			6.71	398.6	20.1	154	
9:34 am			6.66	399.8	20.3	129	
9:38 am			6.63	400.4	20.2	117	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
9:40 am				

Observations/Notes:

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 1624 WASHINGTON	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	5/11/16	Weather: SUNNY, BREEZY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes:		

Well Data		
Static Depth to Water-ft [A]		Water level measurement technique (Circle) Electrical Sounder Serial # _____
Total Depth of Casing-ft [B]		Purge Method: (Circle) Grundfos Sub. Pneumatic Electric Pump Hand Bail Other _____ Dedicated System: Yes No
Water Column Height-ft [B-A]		
Casing Diameter-in (circle)		
Casing Capacity-gal/ft (circle) [C]		
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F (°C)	TurbidityNTU DO mg/L ORP mv	Remarks (Color, Odor, Turbidity, etc.)
9:40 Am			5.98	1279	19.3	285	
9:43 Am			6.01	1279	19.4	272	
9:46 Am			6.02	1278	19.4	262	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
9:55 Am				

Observations/Notes:

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 3928 LINWOOD	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	5-11-16	Weather: SUNNY, BREEZY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		
Static Depth to Water-ft [A]		Water level measurement technique (Circle) Electrical Sounder Serial # _____
Total Depth of Casing-ft [B]		Purge Method: (Circle) Grundfos Sub. Pneumatic Electric Pump Hand Bail Other _____ Dedicated System: Yes No
Water Column Height-ft [B-A]		
Casing Diameter-in (circle)		
Casing Capacity-gal/ft (circle) [C]		
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F °C	TurbidityNTU DO mg/L ORP mv	Remarks (Color, Odor, Turbidity, etc.)
12:02pm			7.06	887.5	21.0	360	
12:05pm			7.00	896.9	20.0	371	
12:08pm			6.97	898.6	19.9	373	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
12:10pm				

Observations/Notes:

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: N600 WASHINGTON	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	5-25-16	Weather: SUNNY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		Water level measurement technique
Static Depth to Water-ft [A]		(Circle) Electrical Sounder Serial # _____
Total Depth of Casing-ft [B]		Purge Method: Grundfos Sub. Pneumatic
Water Column Height-ft [B-A]		(Circle) Electric Pump Hand Bail
Casing Diameter-in (circle)		Other _____
Casing Capacity-gal/ft (circle) [C]		Dedicated System: Yes No
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F (°C)	TurbidityNTU DO mg/L ORP mv	Remarks (Color, Odor, Turbidity, etc.)
9:32 Am			6.05	769.4	19.4	261	
9:36 Am			6.15	398.1	19.4	212	
9:39 Am			6.19	390.9	19.4	166	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
9:41 Am				

Observations/Notes:	

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 1624 WASHINGTON	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	5-25-16	Weather: SUNNY, BREEZY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		
Static Depth to Water-ft [A]		Water level measurement technique (Circle) Electrical Sounder Serial # _____
Total Depth of Casing-ft [B]		Purge Method: Grundfos Sub. Pneumatic
Water Column Height-ft [B-A]		(Circle) Electric Pump Hand Bail
Casing Diameter-in (circle)		Other _____
Casing Capacity-gal/ft (circle) [C]		Dedicated System: Yes No
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F (°C)	TurbidityNTU DO mg/L (ORP) mv	Remarks (Color, Odor, Turbidity, etc.)
9:45AM			5.96	1279	19.2	249	
9:47 AM			5.98	1275	19.3	242	
9:50AM			6.01	1275	19.2	240	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
9:52 AM				

Observations/Notes:

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 4600 Linwood	Date:	Field Personnel: R & J AVILA, INC.
Day: Wednesday	5-25-16	Weather: Sunny, Breezy

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		Water level measurement technique		
Static Depth to Water-ft [A]		(Circle)	Electrical Sounder Serial # _____	
Total Depth of Casing-ft [B]		Purge Method:	Grundfos Sub.	Pneumatic
Water Column Height-ft [B-A]		(Circle)	Electric Pump	Hand Bail
Casing Diameter-in (circle)			Other _____	
Casing Capacity-gal/ft (circle) [C]			Dedicated System: Yes No	
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)		
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____		

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F °C	TurbidityNTU DO mg/L ORP mv	Remarks (Color, Odor, Turbidity, etc.)
10:00 Am			6.66	1004	19.9	218	
10:02 Am			6.63	1003	19.9	222	
10:04 Am			6.59	1004	19.9	223	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter	
Purge Pump time off		Sample Collection Method (check):	_____ Direct from discharge hose
Total Gallons Purged			_____ Teflon Bailer
Purge Rate (gpm)			Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)	

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
10:05 Am				

Observations/Notes:	

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 4530 LINWOOD	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	5/25/16	Weather: SUNNY, BREEZY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		Water level measurement technique		
Static Depth to Water-ft [A]		(Circle)	Electrical Sounder Serial # _____	
Total Depth of Casing-ft [B]		Purge Method:	Grundfos Sub.	Pneumatic
Water Column Height-ft [B-A]		(Circle)	Electric Pump	Hand Bail
Casing Diameter-in (circle)			Other _____	
Casing Capacity-gal/ft (circle) [C]			Dedicated System: Yes No	
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)		
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____		

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F (°C)	TurbidityNTU DO mg/L (ORP) mv	Remarks (Color, Odor, Turbidity, etc.)
10:12 AM			6.54	1238	19.2	217	
10:14 AM			6.51	1238	19.1	219	
10:16 AM			6.50	1238	19.1	218	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter	
Purge Pump time off		Sample Collection Method (check):	_____ Direct from discharge hose
Total Gallons Purged			_____ Teflon Bailer
Purge Rate (gpm)			Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)	

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
10:18 AM				

Observations/Notes:	

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 4500 LINWOOD	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	5-25-16	Weather: SUNNY, BREEZY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____

Well Physical Condition/Notes: _____

Well Data		Water level measurement technique
Static Depth to Water-ft [A]		(Circle) Electrical Sounder Serial # _____
Total Depth of Casing-ft [B]		Purge Method: Grundfos Sub. Pneumatic
Water Column Height-ft [B-A]		(Circle) Electric Pump Hand Bail
Casing Diameter-in (circle)		Other _____
Casing Capacity-gal/ft (circle) [C]		Dedicated System: Yes No
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F (°C)	TurbidityNTU DO mg/L ORP mv	Remarks (Color, Odor, Turbidity, etc.)
10:32 Am			7.24	335.8	21.0	183	
10:36 Am			7.23	329.8	21.4	160	
10:38 Am			7.20	329.2	21.4	143	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
10:40 Am				

Observations/Notes:

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 4406 Linwood	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	5-25-16	Weather: SUNNY, BREEZY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		Water level measurement technique
Static Depth to Water-ft [A]		(Circle) Electrical Sounder Serial # _____
Total Depth of Casing-ft [B]		Purge Method: Grundfos Sub. Pneumatic
Water Column Height-ft [B-A]		(Circle) Electric Pump Hand Bail
Casing Diameter-in (circle)		Other _____
Casing Capacity-gal/ft (circle) [C]		Dedicated System: Yes No
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F (°C)	TurbidityNTU DO mg/L ORP mv	Remarks (Color, Odor, Turbidity, etc.)
10:44 Am			6.91	1416	18.2	195	
10:46 Am			6.81	1418	18.3	199	
10:48 Am			6.77	1433	18.3	199	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
10:50 Am				

Observations/Notes:	

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 4318 Linwood	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	5-25-16	Weather: SUNNY, BREEZY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		Water level measurement technique
Static Depth to Water-ft [A]		(Circle) Electrical Sounder Serial # _____
Total Depth of Casing-ft [B]		Purge Method: Grundfos Sub. Pneumatic
Water Column Height-ft [B-A]		(Circle) Electric Pump Hand Bail
Casing Diameter-in (circle)		Other _____
Casing Capacity-gal/ft (circle) [C]		Dedicated System: Yes No
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F (°C)	TurbidityNTU DO mg/L ORP mv	Remarks (Color, Odor, Turbidity, etc.)
10:57 Am			6.75	1905	19.9	199	
11:01 Am			6.70	1906	19.6	200	
11:03 Am			6.67	1909	19.5	201	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
11:05 Am				

Observations/Notes:	

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 4230 LINWOOD	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	5-25-16	Weather: SUNNY, BREEZY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		Water level measurement technique
Static Depth to Water-ft [A]		(Circle) Electrical Sounder Serial # _____
Total Depth of Casing-ft [B]		Purge Method: Grundfos Sub. Pneumatic
Water Column Height-ft [B-A]		(Circle) Electric Pump Hand Bail
Casing Diameter-in (circle)		Other _____
Casing Capacity-gal/ft (circle) [C]		Dedicated System: Yes No
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F °C	TurbidityNTU DO mg/L ORP mv	Remarks (Color, Odor, Turbidity, etc.)
11:10 Am			7.20	1366	20.7	189	
11:12 Am			7.15	1386	20.2	191	
11:14 Am			7.10	1394	20.1	190	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
11:16 Am				

Observations/Notes:	

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 4207 LINWOOD	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	5-25-16	Weather: SUNNY, BREEZY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		Water level measurement technique
Static Depth to Water-ft [A]		(Circle) Electrical Sounder Serial # _____
Total Depth of Casing-ft [B]		Purge Method: Grundfos Sub. Pneumatic
Water Column Height-ft [B-A]		(Circle) Electric Pump Hand Bail
Casing Diameter-in (circle)		Other _____
Casing Capacity-gal/ft (circle) [C]		Dedicated System: Yes No
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F (°C)	TurbidityNTU DO mg/L ORP mv	Remarks (Color, Odor, Turbidity, etc.)
11:19 Am			7.66	296.0	21.7	172	
11:22 Am			7.63	296.5	21.4	173	
11:24 Am			7.61	296.6	21.4	171	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
11:26 Am				

Observations/Notes:

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 3928 LINWOOD	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	5-25-16	Weather: SUNNY, BREEZY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		Water level measurement technique		
Static Depth to Water-ft [A]		(Circle)	Electrical Sounder Serial # _____	
Total Depth of Casing-ft [B]		Purge Method:	Grundfos Sub.	Pneumatic
Water Column Height-ft [B-A]		(Circle)	Electric Pump	Hand Bail
Casing Diameter-in (circle)			Other _____	
Casing Capacity-gal/ft (circle) [C]			Dedicated System: Yes No	
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)		
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____		

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F (°C)	TurbidityNTU DO mg/L (ORP) mv	Remarks (Color, Odor, Turbidity, etc.)
11:43 AM			7.25	901.0	20.6	192	
11:47 AM			7.21	905.1	19.5	194	
11:50 AM			7.17	900.0	20.0	193	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
11:52 AM				

Observations/Notes:	

Exhibit 23

DOMESTIC WELL SAMPLING LOG

Project Site/Name: 4200 LINWOOD	Date:	Field Personnel: R & J AVILA, INC.
Day: WEDNESDAY	5-25-16	Weather: SUNNY, BREEZY

Well Vault Type		Floating Product (Free Phase): ___ Yes _____ No
Lock Number/Type		Floating Product (Free Phase) Thickness: _____ (ft.)
Drums Filled/Used		Floating Product (Free Phase) Description: _____
Well Physical Condition/Notes: _____		

Well Data		Water level measurement technique
Static Depth to Water-ft [A]		(Circle) Electrical Sounder Serial # _____
Total Depth of Casing-ft [B]		Purge Method: Grundfos Sub. Pneumatic
Water Column Height-ft [B-A]		(Circle) Electric Pump Hand Bail
Casing Diameter-in (circle)		Other _____
Casing Capacity-gal/ft (circle) [C]		Dedicated System: Yes No
Gallons per case volume (B-A)*C		pH Calibration: 4.0___ 7.0___ 10.0____ (Time:_____am)
Three case volume min. [(B-A)*C]3		EC Calibration: value for standard_____ units_____

Time	Gallons Purged	Casing Volumes	pH	EC	Temp °F (°C)	TurbidityNTU DO mg/L ORP mv	Remarks (Color, Odor, Turbidity, etc.)
11:34 Am			7.02	1422	18.9	205	
11:36 Am			6.98	1436	18.7	206	
11:38 Am			6.96	1423	18.7	206	
							Final DTW (ft) _____

Purge Pump time on		Discharge Measurement Method: (Circle) Bucket Tank Barrel Flowmeter
Purge Pump time off		Sample Collection Method (check): _____ Direct from discharge hose
Total Gallons Purged		_____ Teflon Bailer
Purge Rate (gpm)		Disposable Bailer
Sample Rate (ml/min)		Ice Chest Coolant (check) ___Crushed Ice ____Blue Ice Ice Chest Temp _____(°F)

Sample Time	Analyses to Perform	Volume Collected	Container Style/Type/Qty	Other
11:39 Am				

Observations/Notes:	

Exhibit 23