2018 ANNUAL REPORT

INDUSTRIAL WASTE PRETREATMENT PROGRAM

COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

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SUBMITTED
April 9, 2019

APPENDIX G
PRIORITY POLLUTANT MONITORING AT TREATMENT PLANTS WHICH ACCEPT INDUSTRIAL WASTEWATER

This Appendix contains the results from priority pollutant monitoring at the District's treatment plants which accept industrial wastewater.

Joint Water Pollution Control Plant Influent Monitoring

Joint Water Pollution Control Plant Effluent Monitoring

Joint Water Pollution Control Plant Biosolids Monitoring

Lancaster WRP Influent Monitoring

Lancaster WRP Effluent Monitoring

Lancaster WRP Biosolids Monitoring

Long Beach WRP Influent Monitoring

Long Beach WRP Effluent Monitoring

Los Coyotes WRP Influent Monitoring

Los Coyotes WRP Effluent Monitoring

Palmdale WRP Influent Monitoring

Palmdale WRP Effluent Monitoring

Palmdale WRP Biosolids Monitoring

Pomona WRP Influent Monitoring

Pomona WRP Effluent Monitoring

San Jose Creek WRP, East, Influent Monitoring

San Jose Creek WRP, East, Effluent Monitoring

San Jose Creek WRP, West, Influent Monitoring

San Jose Creek WRP, West, Effluent Monitoring

Saugus WRP Influent Monitoring

Saugus WRP Effluent Monitoring

Valencia WRP Influent Monitoring

Valencia WRP Effluent Monitoring

Valencia WRP Biosolids Monitoring

Whittier Narrows WRP Influent Monitoring

Whittier Narrows WRP Effluent Monitoring

This language applies for data included for the Joint Water Pollution Control Plant (JWPCP) and the Long Beach, Los Coyotes, Pomona, San Jose Creek, Saugus, Valencia, and Whittier Narrows Water Reclamation Plants (WRPs).

1. ORGANIZATION OF THE DATA

Flow and laboratory data sets are presented in separate tables, and statistical summaries follow the data. These data summaries may contain results that were not reported in monthly monitoring reports. Additional data can result from sampling conducted for purposes other than routine monitoring. The additional sampling may have been performed by other agencies (i.e., Regional Board or USEPA) or by the Sanitation Districts for research or as a follow-up to a questionable sample.

2. DETECTION LIMITS

Information in the annual report regarding detection limits is consistent with reporting requirements in the effective permits for the treatment plants. The Method Detection Level (MDL) and Minimum Level (ML)/Reporting Level (RL) for each constituent may have varied throughout the year. These are included directly in the tabular data as a range over the calendar year. Sample results are reported in accordance with the methodology listed below.

1. Sample results greater than or equal to the RL are reported "as measured" by the laboratory (i.e., the measured chemical concentration of the sample).

2. Sample results less than the RL, but greater than or equal to the laboratory's MDL, are reported as "Detected, but Not Quantified", or DNQ. The estimated chemical concentration of the sample is shown as "DNQ, Est. Conc.=___".

3. Sample results less than the laboratory's MDL are reported as "Not Detected", or ND.

3. DATA CALCULATIONS

Calculations of Sums

A few parameters, such as DDT and PCBs, are reported as sums. In those cases, the total detected DDT and total detected PCBs are shown. Results that are below the RL are not included in the sum. Consequently, if none of the isomers/congeners was detected, the total is reported as "ND".

Calculations of Averages

The following conventions are used in the annual report for data when more than one result is available and an average is determined:

- Monthly Averages

  If the data are all detected, an arithmetic average is calculated. When one or more sample results contain one or more reported determinations of DNQ or ND, a median is used in place of the arithmetic mean in accordance with the following procedure:

1. The sample results are ranked from low to high, with reported ND determinations lowest, DNQ determinations next, and finally quantified values (if any). The order of the individual ND or DNQ determinations is unimportant.

2. The median value of the sample results is determined. If the data set has an odd number of data points, then the median is the middle value. If the data set has an even number of data points, then the median is the average of the two values around the middle unless one or both of the points are ND or DNQ, in which case the median value is the lowest of the two data points where DNQ is lower than a quantified value and ND is lower than DNQ.

- Annual Averages

  If the monthly data are all detected, an arithmetic average is calculated. If both detected and ND and/or DNQ data are available, each ND and DNQ value is averaged as a zero with the detected values. If an average of zero is calculated it will be reported as an average of ND.

4. PERMIT LIMITS

A single plant may have several permits and several sets of limits, which, at a maximum, consist of the following:

- **NPDES Permit Limits** for discharge to navigable waterways.

- **Waste Discharge Requirements** for disposal to sites other than those covered by NPDES requirements (e.g., Lancaster and Palmdale WRPs).

- **Reuse Permit Limits** for nonpotable use in irrigation, impoundments, etc.

- **Recharge Limits** for groundwater replenishment in the Montebello Forebay.

Reuse permit limits are not shown in the effluent table. The permits limits may be expressed in terms of an instantaneous maximum, daily average, 7-day average, weekly average, 30-day average, monthly average, and/or 12-month average.

5. PERFORMANCE GOALS

The JWPCP NPDES permit includes effluent quality performance goals for 69 constituents. Selected effluent quality performance goals were assigned for constituents that are regularly detected, and were numerically set using effluent performance data for the period of November 2002 to August 2005 to determine the 95th percentile of the normal distribution. Other constituents that were not detected were assigned performance goals five times (for carcinogens and marine aquatic life toxicants) or ten times (for noncarcinogens) the minimum reporting limits in the 2004 annual report. In other cases, the maximum detected effluent concentration from November 2002 to August 2005 was prescribed as the performance goal.

The performance goals are intended to reflect extreme (i.e., 95th percentile) historical values in plant effluent quality, which resulted from normal variability in the plant operation, the influent water quality, etc. The performance goals are not intended to determine compliance. Instead, the objective of the performance goals is to monitor plant performance by comparing effluent water quality data to the performance goal. For example, a single exceedance of a performance goal may be the result of normal

variability in the data, since such an exceedance can be expected occasionally (i.e., 5 percent of the time) for performance goals set at the 95th percentile. However, if an exceedance of the same goal persists, it may indicate a substantial change in plant performance, influent quality, or other causes not explained by normal and expected variability. In such cases, the JWPCP permit requirements state that the discharger must investigate the reason for the continuing exceedance of the performance goal.

JWPCP Influent Monitoring

JWPCP
2018 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethylene	ug/L	ND						ND		
1,1,1-Trichloroethane	ug/L	ND						ND		
1,1,2-Trichloroethane	ug/L	ND						ND		
1,1,2,2-Tetrachloroethane	ug/L	ND						ND		
1,2-Dichlorobenzene	ug/L	ND			ND			ND		
1,2-Dichloroethane	ug/L	ND						ND		
1,2-Diphenylhydrazine	ug/L	ND						ND		
1,2,3,4,6,7,8-HeptaCDD	pg/L	ND (1)(2)			DNQ Est. Conc. 14 (1)			DNQ Est. Conc. 16 (1)		
1,2,3,4,6,7,8-HeptaCDF	pg/L	ND (1)(2)			DNQ Est. Conc. 5.7 (1)(2)			DNQ Est. Conc. 38 (2)		
1,2,3,4,7,8-HexaCDD	pg/L	ND			ND (1)(2)			ND (1)		
1,2,3,4,7,8-HexaCDF	pg/L	ND			ND			DNQ Est. Conc. 6.3 (2)		
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND			ND			ND		
1,2,3,6,7,8-HexaCDD	pg/L	ND			DNQ Est. Conc. 0.73 (2)			ND		
1,2,3,6,7,8-HexaCDF	pg/L	ND (1)(2)			ND			ND (1)		
1,2,3,7,8-PentaCDD	pg/L	ND			ND			ND		
1,2,3,7,8-PentaCDF	pg/L	ND			ND			DNQ Est. Conc. 4.7 (2)		
1,2,3,7,8,9-HexaCDD	pg/L	ND			ND			ND		
1,2,3,7,8,9-HexaCDF	pg/L	ND			ND (1)			ND (1)		
1,3-Dichlorobenzene	ug/L	ND			ND			ND		
1,3-Dichloropropene	ug/L	ND						ND		
1,4-Dichlorobenzene	ug/L	ND						ND		
2-Chloroethylvinyl ether	ug/L	ND						ND		
2-Chlorophenol	ug/L	ND			ND			ND		
2-methyl-4,6-dinitrophenol	ug/L	ND						ND		
2-Nitrophenol	ug/L	ND						ND		
2,3,4,6,7,8-HexaCDF	pg/L	ND			ND			ND		
2,3,4,7,8-PentaCDF	pg/L	ND			ND			ND		
2,3,7,8-TCDD	pg/L	ND			ND			ND		
2,3,7,8-TetraCDF	pg/L	ND			DNQ Est. Conc. 2.7 (2)			DNQ Est. Conc. 2.8		
2,4-Dichlorophenol	ug/L	ND			ND			ND		
2,4-Dimethylphenol	ug/L	ND						DNQ Est. Conc. 34.5		
2,4-Dinitrophenol	ug/L	ND						ND		
2,4-Dinitrotoluene	ug/L	ND						ND		
2,4,6-Trichlorophenol	ug/L	DNQ Est. Conc. 25.4			DNQ Est. Conc. 23.5			DNQ Est. Conc. 13.2		
2,4'-DDD	ug/L	DNQ Est. Conc. 0.04			ND			ND		
2,4'-DDE	ug/L	ND			ND			ND		
2,4'-DDT	ug/L	ND			ND			ND		
3,3'-Dichlorobenzidine	ug/L	ND						ND		
4-Chloro-3-methylphenol	ug/L	ND			ND			ND		
4-Nitrophenol	ug/L	ND						ND		
4,4'-DDD	ug/L	ND			ND			ND		
4,4'-DDE	ug/L	ND			ND			ND		
4,4'-DDT	ug/L	ND			ND			ND		
Acenaphthylene	ug/L	ND			ND			ND		
Acrolein	ug/L	ND						ND		
Acrylonitrile	ug/L	ND						ND		
Aldrin	ug/L	ND						ND		
Ammonia Nitrogen	mg/L	45.2	49.5	49.8	47.5	48.3	46.3	44.1	45.2	47.4
Anthracene	ug/L	ND			ND			ND		
Antimony	ug/L	3.25			3.02			3.10		
Aroclor 1016	ug/L	ND			ND			ND		
Aroclor 1221	ug/L	ND			ND			ND		
Aroclor 1232	ug/L	ND			ND			ND		
Aroclor 1242	ug/L	ND			ND			ND		
Aroclor 1248	ug/L	ND			ND			ND		
Aroclor 1254	ug/L	ND			ND			ND		
Aroclor 1260	ug/L	ND			ND			ND		
Arsenic	ug/L	4.81			5.04			4.98		
Benzene	ug/L	21.7						31.5		
Benzidine	ug/L	ND						ND		
Benzo(a)anthracene (1,2-benzanthracene)	ug/L	ND			ND			ND		
Benzo(a)pyrene	ug/L	ND			ND			ND		
Benzo(b)fluoranthene (3,4-benzofluoranthene)	ug/L	ND			ND			ND		
Benzo(g,h,i)perylene (1,12-benzoperylene)	ug/L	ND			ND			ND		
Benzo(k)fluoranthene	ug/L	ND			ND			ND		

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
1,1-Dichloroethylene	ug/L				ND	ND	ND	EPA 624	2	0.13	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.07	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.10	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624	1	0.10	0.50
1,2-Dichlorobenzene	ug/L	ND			ND	ND	ND	EPA 624	2	0.12 - 0.18	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.09	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625	1	0.20	10.0 - 20.0
1,2,3,4,6,7,8-HeptaCDD	pg/L	DNQ Est. Conc. 13 (1)			ND (1)(2)	ND	DNQ Est. Conc. 16 (1)	EPA 1613B		0.44 - 1.1	51 - 61
1,2,3,4,6,7,8-HeptaCDF	pg/L	ND (1)(2)			ND (1)(2)	ND	DNQ Est. Conc. 38 (2)	EPA 1613B		1.1 - 4.7	51 - 61
1,2,3,4,7,8-HexaCDD	pg/L	ND (1)			ND (1)(2)	ND	ND (1)(2)	EPA 1613B		0.29 - 1.2	51 - 61
1,2,3,4,7,8-HexaCDF	pg/L	ND (1)(2)			ND (1)(2)	ND	DNQ Est. Conc. 6.3 (2)	EPA 1613B		0.43 - 1.0	51 - 61
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND (1)			ND (1)	ND	ND (1)	EPA 1613B		1.4 - 7.1	51 - 61
1,2,3,6,7,8-HexaCDD	pg/L	ND (1)			ND (1)	ND	DNQ Est. Conc. 0.73 (2)	EPA 1613B		0.29 - 1.2	51 - 61
1,2,3,6,7,8-HexaCDF	pg/L	ND			ND (1)(2)	ND	ND (1)(2)	EPA 1613B		0.38 - 0.91	51 - 61
1,2,3,7,8-PentaCDD	pg/L	ND			ND	ND	ND	EPA 1613B		1.3 - 4.8	51 - 61
1,2,3,7,8-PentaCDF	pg/L	ND			ND	ND	DNQ Est. Conc. 4.7 (2)	EPA 1613B		0.34 - 1.2	51 - 61
1,2,3,7,8,9-HexaCDD	pg/L	ND (1)			ND (1)	ND	ND (1)	EPA 1613B		0.26 - 1.1	51 - 61
1,2,3,7,8,9-HexaCDF	pg/L	ND (1)			ND (1)	ND	ND (1)	EPA 1613B		0.27 - 0.86	51 - 61
1,3-Dichlorobenzene	ug/L	ND			ND	ND	ND	EPA 624	2	0.09 - 0.21	0.50
1,3-Dichloropropene	ug/L				ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.07	0.50
2-Chloroethylvinyl ether	ug/L				ND	ND	ND	EPA 624	1	0.16	0.50
2-Chlorophenol	ug/L	ND			ND	ND	ND	EPA 625	5	0.18	50.0 - 100
2-methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	0.92	50.0 - 100
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	0.10	100 - 200
2,3,4,6,7,8-HexaCDF	pg/L	ND (1)			ND (1)	ND	ND (1)	EPA 1613B		0.28 - 0.81	51 - 61
2,3,4,7,8-PentaCDF	pg/L	ND			ND	ND	ND	EPA 1613B		0.39 - 1.4	51 - 61
2,3,7,8-TCDD	pg/L	ND			ND	ND	ND	EPA 1613B		0.47 - 0.87	10 - 12
2,3,7,8-TetraCDF	pg/L	ND (1)(2)			ND (1)(2)	ND	DNQ Est. Conc. 2.8	EPA 1613B		0.31 - 1.2	10 - 12
2,4-Dichlorophenol	ug/L	ND			ND	ND	ND	EPA 625	5	0.63	50.0 - 100
2,4-Dimethylphenol	ug/L				ND	ND	DNQ Est. Conc. 34.5	EPA 625	2	0.88	20.0 - 40.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	2.8	50.0 - 100
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.27	50.0 - 100
2,4,6-Trichlorophenol	ug/L	DNQ Est. Conc. 18.8			DNQ Est. Conc. 13.2	ND	DNQ Est. Conc. 25.4	EPA 625	10	0.21	100 - 200
2,4'-DDD	ug/L	ND			ND	ND	DNQ Est. Conc. 0.04	EPA 608		0.0008 - 0.001	0.10 - 0.20
2,4'-DDE	ug/L	ND			ND	ND	ND	EPA 608		0.001 - 0.002	0.15 - 0.30
2,4'-DDT	ug/L	ND			ND	ND	ND	EPA 608		0.002 - 0.003	0.10 - 0.20
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625	5	0.81	50.0 - 100
4-Chloro-3-methylphenol	ug/L	ND			ND	ND	ND	EPA 625	1	0.44	10.0 - 20.0
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	1.3	100 - 200
4,4'-DDD	ug/L	ND			ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.10 - 0.20
4,4'-DDE	ug/L	ND			ND	ND	ND	EPA 608	0.05	0.001	0.05 - 0.10
4,4'-DDT	ug/L	ND			ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.10 - 0.20
Acenaphthylene	ug/L	ND			ND	ND	ND	EPA 625	10	0.19	100 - 200
Acrolein	ug/L				ND	ND	ND	EPA 624		1.6	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624		0.92	2.0
Aldrin	ug/L				ND	ND	ND	EPA 608	0.005	0.0009 - 0.002	0.05 - 0.10
Ammonia Nitrogen	mg/L	44.1	46.4	48.0	44.1	46.8	49.8	SM 4500 NH3 C		0.100	4.00
Anthracene	ug/L	ND			ND	ND	ND	EPA 625	10	0.19	100 - 200
Antimony	ug/L	3.60			3.02	3.24	3.60	EPA 200.8	0.5	0.32	0.50
Aroclor 1016	ug/L	ND			ND	ND	ND	EPA 608	0.5	0.02 - 0.03	2.5 - 5.0
Aroclor 1221	ug/L	ND			ND	ND	ND	EPA 608	0.5	0.2	4.0 - 8.0
Aroclor 1232	ug/L	ND			ND	ND	ND	EPA 608	0.5	0.09 - 0.1	2.5 - 5.0
Aroclor 1242	ug/L	ND			ND	ND	ND	EPA 608	0.5	0.02 - 0.04	4.5 - 9.0
Aroclor 1248	ug/L	ND			ND	ND	ND	EPA 608	0.5	0.02 - 0.03	0.4 - 0.8
Aroclor 1254	ug/L	ND			ND	ND	ND	EPA 608	0.5	0.01 - 0.02	2.0 - 4.0
Aroclor 1260	ug/L	ND			ND	ND	ND	EPA 608	0.5	0.01 - 0.02	0.5 - 1.0
Arsenic	ug/L	4.54			4.54	4.84	5.04	EPA 200.8	2	0.14	1.00
Benzene	ug/L				21.7	26.6	31.5	EPA 624	2	0.10	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625	5	1.8	50.0 - 100
Benzo(a)anthracene (1,2-benzanthracene)	ug/L	ND			ND	ND	ND	EPA 625	5	0.14	50.0 - 100
Benzo(a)pyrene	ug/L	ND			ND	ND	ND	EPA 610	10	0.01	0.50
Benzo(b)fluoranthene (3,4-benzofluoranthene)	ug/L	ND			ND	ND	ND	EPA 610	10	0	0.50
Benzo(g,h,i)perylene (1,12-benzoperylene)	ug/L	ND			ND	ND	ND	EPA 625	5	0.12	50.0 - 100
Benzo(k)fluoranthene	ug/L	ND			ND	ND	ND	EPA 610	10	0	0.50

Parameter	Units	January	February	March	April	May	June	July	August	September
Beryllium	ug/L	ND			ND			ND		
Bis(2-chloro-ethoxy)methane	ug/L	ND						ND		
Bis(2-chloro-isopropyl)ether	ug/L	ND						ND		
Bis(2-chloroethyl)ether	ug/L	ND						ND		
Bis(2-ethylhexyl)phthalate	ug/L	DNQ Est. Conc. 6.5			DNQ Est. Conc. 9.0			ND		
BOD	mg/L	465	470	470	470	491	445	408	441	360
Bromoform	ug/L	DNQ Est. Conc. 0.33			0.51			ND		
Bromomethane	ug/L	ND			DNQ Est. Conc. 0.20			ND		
Cadmium	ug/L	1.8			1.2			1.0		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane-alpha	ug/L	DNQ Est. Conc. 0.04						ND		
Chlordane-gamma	ug/L	ND						ND		
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	DNQ Est. Conc. 0.49			0.58			ND		
Chloroform	ug/L	25.9			35.6			31.7		
Chloromethane	ug/L	0.56			1.9			2.0		
Chromium (III)	ug/L	13.9			30.4			16.6		
Chromium (VI)	ug/L	DNQ Est. Conc. 0.01			ND			DNQ Est. Conc. 0.01		
Chrysene	ug/L	ND			ND			ND		
cis-Nonachlor	ug/L	ND						ND		
Copper	ug/L	102	121	88.8	101	80.1	120	107	111	108
Cyanide, Total	ug/L	DNQ Est. Conc. 3.67			8.45			5.15		
Di-n-butyl phthalate	ug/L	ND			ND			ND		
Dibenzo(a,h)anthracene	ug/L	ND			ND			ND		
Dichlorobromomethane	ug/L	1.8			1.2			0.91		
Dichloromethane	ug/L	3.8			4.2			4.2		
Dieldrin	ug/L	ND						ND		
Diethylphthalate	ug/L	DNQ Est. Conc. 5.5						DNQ Est. Conc. 6.3		
Dimethylphthalate	ug/L	ND						ND		
Endosulfan sulfate	ug/L	ND						ND		
Endosulfan-alpha	ug/L	ND						ND		
Endosulfan-beta	ug/L	ND						ND		
Endrin	ug/L	ND						ND		
Ethylbenzene	ug/L	10.1						6.5		
Fluoranthene	ug/L	ND						ND		
Fluorene	ug/L	ND			ND			ND		
Gross Alpha Radioactivity	pCi/L	3.04			8.12			10.1		
Gross Beta Radioactivity	pCi/L	21.4			14.4			21.8		
Heptachlor epoxide	ug/L	ND						ND		
Heptachlor	ug/L	ND						ND		
Hexachlorobenzene	ug/L	ND						ND		
Hexachlorobutadiene	ug/L	ND						ND		
Hexachlorocyclopentadiene	ug/L	ND						ND		
Hexachloroethane	ug/L	ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L	ND			ND			ND		
Isophorone	ug/L	ND			ND			ND		
Lead	ug/L	4.55			5.38			5.75		
Mercury	ug/L	0.21			0.17			0.19		
Methyl-tert-butyl-ether	ug/L	5.8			14.2			1.9		
n-Nitrosodi-n-propylamine	ug/L	ND / ND						ND / ND		
n-Nitrosodimethylamine (NDMA)	ug/L	DNQ Est. Conc. 0.091 / ND			ND (EPA 625 only)			0.16 / ND		
n-Nitrosodiphenylamine	ug/L	ND						ND		
Nickel	ug/L	19.0			16.2			15.3		
Nitrobenzene	ug/L	ND			ND			ND		
OctaCDD	pg/L	170 (1)			180 (1)			190 (1)		
OctaCDF	pg/L	ND (1)			DNQ Est. Conc. 15			DNQ Est. Conc. 47 (1)		
Oil and grease	mg/L	56.4	65.8	67.8	57.1	54.3	62.0	59.6	62.3	64.0
Organic nitrogen	mg/L	27.9			26.7			22.4		
Oxychlordane	ug/L	ND						ND		
Pentachlorophenol	ug/L	ND			ND			ND		
Phenanthrene	ug/L	ND			ND			ND		
Phenol	ug/L	228						257		
pH	SU	7.1	7.2	7.1	7.1	7.1	7.1	7.1	7.0	7.1
Pyrene	ug/L	ND			ND			ND		
Radium 226 + 228	pCi/L							0.692		

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Beryllium	ug/L	ND			ND	ND	ND	EPA 200.8	0.5	0.030	0.25
Bis(2-chloro-ethoxy)methane	ug/L				ND	ND	ND	EPA 625	5	0.11	50.0 - 100
Bis(2-chloro-isopropyl)ether	ug/L				ND	ND	ND	EPA 625	2	0.20	20.0 - 40.0
Bis(2-chloroethyl)ether	ug/L				ND	ND	ND	EPA 625	1	0.20	10.0 - 20.0
Bis(2-ethylhexyl)phthalate	ug/L	ND			ND	ND	DNQ Est. Conc. 9.0	EPA 625	5	0.16	20.0 - 40.0
BOD	mg/L	359	390	465	359	436	491	SM 5210B		0.6	150
Bromoform	ug/L	ND			ND	0.13	0.51	EPA 624	2	0.13 - 0.17	0.50
Bromomethane	ug/L	ND			ND	ND	DNQ Est. Conc. 0.20	EPA 624	2	0.20 - 0.34	0.50
Cadmium	ug/L	1.2			1.0	1.3	1.8	EPA 200.8	0.25	0.031	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.11	0.50
Chlordane-alpha	ug/L				ND	ND	DNQ Est. Conc. 0.04	EPA 608		0.001 - 0.002	0.10 - 0.20
Chlordane-gamma	ug/L				ND	ND	ND	EPA 608		0.002 - 0.003	0.10 - 0.20
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.08	0.50
Chlorodibromomethane	ug/L	ND			ND	0.14	0.58	EPA 624	2	0.08 - 0.22	0.50
Chloroform	ug/L	13.3			13.3	26.6	35.6	EPA 624	2	0.09 - 0.14	0.50
Chloromethane	ug/L	ND			ND	1.1	2.0	EPA 624	2	0.06 - 0.15	0.50
Chromium (III)	ug/L	19.5			13.9	20.1	30.4	Chromium III Calculation			
Chromium (VI)	ug/L	DNQ Est. Conc. 0.02			ND	ND	DNQ Est. Conc. 0.02	EPA 218.6 (Dissolved)		0.01 - 0.02	0.05
Chrysene	ug/L	ND			ND	ND	ND	EPA 610	10	0	0.50
cis-Nonachlor	ug/L				ND	ND	ND	EPA 608		0.0007 - 0.002	0.05 - 0.10
Copper	ug/L	97.5	85.1	116	80.1	103	121	EPA 200.8	0.5	0.05 - 0.11	0.50 - 1.00
Cyanide, Total	ug/L	8.07			DNQ Est. Conc. 3.67	5.42	8.45	SM 4500 CN E	5	0.7	5.00
Di-n-butyl phthalate	ug/L	ND			ND	ND	ND	EPA 625	10	0.12	100 - 200
Dibenzo(a,h)anthracene	ug/L	ND			ND	ND	ND	EPA 610	10	0	0.50
Dichlorobromomethane	ug/L	ND			ND	0.98	1.8	EPA 624	2	0.09 - 0.14	0.50
Dichloromethane	ug/L	1.2			1.2	3.4	4.2	EPA 624	2	0.19 - 0.20	0.50
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.10 - 0.20
Diethylphthalate	ug/L				DNQ Est. Conc. 5.5	ND	DNQ Est. Conc. 6.3	EPA 625	2	0.26	20.0 - 40.0
Dimethylphthalate	ug/L				ND	ND	ND	EPA 625	2	0.28	20.0 - 40.0
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608	0.05	0.002 - 0.009	0.10 - 0.20
Endosulfan-alpha	ug/L				ND	ND	ND	EPA 608	0.02	0.001	1.0 - 2.0
Endosulfan-beta	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.05 - 0.10
Endrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.10 - 0.20
Ethylbenzene	ug/L				6.5	8.3	10.1	EPA 624	2	0.12	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625	1	0.24	10.0 - 20.0
Fluorene	ug/L	ND			ND	ND	ND	EPA 625	10	0.35	100 - 200
Gross Alpha Radioactivity	pCi/L	ND			ND	5.32	10.1	EPA 900.0		2.67 - 10.5	2.67 - 10.5
Gross Beta Radioactivity	pCi/L	23.7			14.4	20.3	23.7	EPA 900.0		1.84 - 6.51	1.84 - 4.00
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.10 - 0.20
Heptachlor	ug/L				ND	ND	ND	EPA 608	0.01	0.0008 - 0.0009	0.15 - 0.30
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625	1	0.17	10.0 - 20.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625	1	0.33	10.0 - 20.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625	5	0.53	50.0 - 100
Hexachloroethane	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0 - 20.0
Indeno (1,2,3-cd) pyrene	ug/L	ND			ND	ND	ND	EPA 610	10	0	0.50
Isophorone	ug/L	ND			ND	ND	ND	EPA 625	1	0.11	10.0 - 20.0
Lead	ug/L	4.28			4.28	4.99	5.75	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L	0.16			0.16	0.18	0.21	EPA 245.1	0.5	0.004 - 0.017	0.04 - 0.050
Methyl-tert-butyl-ether	ug/L	8.0			1.9	7.5	14.2	EPA 624		0.08 - 0.21	0.50
n-Nitrosodi-n-propylamine	ug/L				ND / ND	ND / ND	ND / ND	EPA 1625 (Modified) / EPA 625	5	0.0003 - 0.50	0.040 - 100
n-Nitrosodimethylamine (NDMA)	ug/L	ND (EPA 625 only)			DNQ Est. Conc. 0.091 / ND	0.080 / ND	0.16 / ND	EPA 1625 (Modified) / EPA 625	5	0.0005 - 0.34	0.040 - 100
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625	1	0.28	10.0 - 20.0
Nickel	ug/L	17.3			15.3	17.0	19.0	EPA 200.8	1	0.12	1.00
Nitrobenzene	ug/L	ND			ND	ND	ND	EPA 625	1	0.17	10.0 - 20.0
OctaCDD	pg/L	230 (1)			170 (1)	192	230 (1)	EPA 1613B		0.52 - 1.9	100 - 120
OctaCDF	pg/L	DNQ Est. Conc. 45 (1)			ND (1)	ND	DNQ Est. Conc. 47 (1)	EPA 1613B		0.35 - 1.8	100 - 120
Oil and grease	mg/L	62.9	77.8	63.6	54.3	62.8	77.8	EPA 1664A			4.0
Organic nitrogen	mg/L	22.7			22.4	24.9	27.9	SM 4500 NH3 C			1.0 - 8.00
Oxychlordane	ug/L				ND	ND	ND	EPA 608		0.001	0.20 - 0.40
Pentachlorophenol	ug/L	ND			ND	ND	ND	EPA 625	5	0.62	10.0 - 20.0
Phenanthrene	ug/L	ND			ND	ND	ND	EPA 625	5	0.31	50.0 - 100
Phenol	ug/L				228	242	257	EPA 625	1	0.12	10.0 - 20.0
pH	SU	7.1	7.1	7.1	7.0	7.1	7.2	SM 4500 H+ B		1.00	1.00 - 4.00
Pyrene	ug/L	ND			ND	ND	ND	EPA 625	10	0.28	100 - 200
Radium 226 + 228	pCi/L	ND			ND	0.346	0.692	Drinking H2O Radium Sum Method			

Parameter	Units	January	February	March	April	May	June	July	August	September
Radium 226	pCi/L							0.692		
Radium 228	pCi/L							ND		
Selenium	ug/L	10.7			11.1			10.3		
Silver	ug/L	1.12			1.07			1.07		
TCDD equivalents	pg/L	0.17			0.18			0.19		
Tetrachloroethylene	ug/L	DNQ Est. Conc. 0.18			1.7			ND		
Thallium	ug/L	DNQ Est. Conc. 0.020			DNQ Est. Conc. 0.020			DNQ Est. Conc. 0.020		
Toluene	ug/L	31.0			51.0			42.1		
Total Chlordanes	ug/L	ND						ND		
Total Chromium	ug/L	13.9			30.4			16.6		
Total DDT	ug/L	ND			ND			ND		
Total Dichlorobenzene	ug/L	ND			ND			ND		
Total Endosulfan	ug/L	ND						ND		
Total Halomethanes	ug/L	0.56			2.6			2.2		
Total HCH	ug/L	ND						ND		
Total Organic Carbon	mg/L	89.6	93.8	96.4	89.0	85.7	95.0	88.8	89.6	91.0
Total PAHs	ug/L	ND			ND			ND		
Total PCBs as Aroclors	ug/L	ND			ND			ND		
Total Phenolic Compounds (Chlorinated)	ug/L	ND			ND			ND		
Total Phenolic Compounds (non-chlorinated)	ug/L	228						257		
Total Phosphorus	mg/L	9.00			7.33			9.35		
Total Suspended Solids	mg/L	511	555	558	553	542	546	508	527	501
Toxaphene	ug/L	ND						ND		
trans-Nonachlor	ug/L	ND						ND		
Tributyltin (TBT)	ng/L	ND			ND			ND		
Trichloroethylene	ug/L	ND						ND		
Uranium	pCi/L							ND		
Vinyl Chloride	ug/L	ND						ND		
Zinc	ug/L	280			269			297		

JWPCP
2018 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Radium 226	pCi/L	ND			ND	0.346	0.692	EPA 903.0		0.503 - 0.885	1.00
Radium 228	pCi/L	ND			ND	ND	ND	EPA 904.0		1.94 - 3.56	1.00 - 3.56
Selenium	ug/L	10.3			10.3	10.6	11.1	EPA 200.8	2	0.04	1.00
Silver	ug/L	1.61			1.07	1.22	1.61	EPA 200.8	0.25	0.02	0.20
TCDD equivalents	pg/L	0.23			0.17	0.19	0.23	EPA 1613B			
Tetrachloroethylene	ug/L	ND			ND	0.42	1.7	EPA 624	2	0.16 - 0.25	0.50
Thallium	ug/L	DNQ Est. Conc. 0.019			DNQ Est. Conc. 0.019	ND	DNQ Est. Conc. 0.020	EPA 200.8	1	0.015	0.25
Toluene	ug/L	66.5			31.0	47.7	66.5	EPA 624	2	0.06 - 0.08	0.50
Total Chlordanes	ug/L				ND	ND	ND	EPA 608			
Total Chromium	ug/L	19.5			13.9	20.1	30.4	EPA 200.8	0.5	0.11	0.50
Total DDT	ug/L	ND			ND	ND	ND	EPA 608			
Total Dichlorobenzene	ug/L	ND			ND	ND	ND	EPA 624			
Total Endosulfan	ug/L				ND	ND	ND	EPA 608			
Total Halomethanes	ug/L	ND			ND	1.3	2.6	EPA 624			
Total HCH	ug/L				ND	ND	ND	EPA 608			
Total Organic Carbon	mg/L	91.2	69.1	80.6	69.1	88.3	96.4	SM 5310C		0.05 - 0.08	25.0 - 50.0
Total PAHs	ug/L	ND			ND	ND	ND	EPA 625			
Total PCBs as Aroclors	ug/L	ND			ND	ND	ND	EPA 608			
Total Phenolic Compounds (Chlorinated)	ug/L	ND			ND	ND	ND	EPA 625			
Total Phenolic Compounds (non-chlorinated)	ug/L				228	242	257	EPA 625			
Total Phosphorus	mg/L	8.73			7.33	8.60	9.35	SM4500P-E		0.00300 - 0.00800	2.50
Total Suspended Solids	mg/L	517	537	553	501	534	558	SM 2540D		2.5	2.5
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.05 - 0.08	1.5 - 3.0
trans-Nonachlor	ug/L				ND	ND	ND	EPA 608		0.001	0.05 - 0.10
Tributyltin (TBT)	ng/L	ND			ND	ND	ND	Tributyltin by GC/FPD		1.3 - 1.5	2.9 - 3.3
Trichloroethylene	ug/L				ND	ND	ND	EPA 624	2	0.13	0.50
Uranium	pCi/L				ND	ND	ND	EPA 908.0		0.596	1.00
Vinyl Chloride	ug/L				ND	ND	ND	EPA 624	2	0.37	0.50
Zinc	ug/L	247			247	273	297	EPA 200.8	1	0.60	10.0 - 20.0

(1) Blank contamination observed.
(2) Possible interference observed. The measured ion ratio did not meet qualitative criteria for analysis and results are considered to be an estimated maximum possible concentration.

JWPCP Effluent Monitoring

JWPCP
2018 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethylene	ug/L	ND						ND			
1,1,1-Trichloroethane	ug/L	ND						ND			
1,1,2-Trichloroethane	ug/L	ND						ND			
1,1,2,2-Tetrachloroethane	ug/L	ND						ND			
1,2-Dichlorobenzene	ug/L	ND						ND			
1,2-Dichloroethane	ug/L	ND						ND			
1,2-Diphenylhydrazine	ug/L	ND						ND			
1,2,3,4,6,7,8-HeptaCDD	pg/L	ND (1)						ND			
1,2,3,4,6,7,8-HeptaCDF	pg/L	ND						DNQ Est. Conc. 10 (2)			
1,2,3,4,7,8-HexaCDD	pg/L	ND (1)						ND			
1,2,3,4,7,8-HexaCDF	pg/L	ND						DNQ Est. Conc. 6.5			
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND						ND			
1,2,3,6,7,8-HexaCDD	pg/L	ND						ND			
1,2,3,6,7,8-HexaCDF	pg/L	ND						ND (1)			
1,2,3,7,8-PentaCDD	pg/L	ND						ND			
1,2,3,7,8-PentaCDF	pg/L	ND						DNQ Est. Conc. 3.1 (2)			
1,2,3,7,8,9-HexaCDD	pg/L	ND						ND			
1,2,3,7,8,9-HexaCDF	pg/L	ND						ND (1)			
1,3-Dichlorobenzene	ug/L	ND						ND			
1,3-Dichloropropene	ug/L	ND						ND			
1,4-Dichlorobenzene	ug/L	DNQ Est. Conc. 0.10						ND			
2-Chlorophenol	ug/L	ND						ND			
2-methyl-4,6-dinitrophenol	ug/L	ND						ND			
2-Nitrophenol	ug/L	ND						ND			
2,3,4,6,7,8-HexaCDF	pg/L	ND						ND			
2,3,4,7,8-PentaCDF	pg/L	ND						ND			
2,3,7,8-TCDD	pg/L	ND						ND			
2,3,7,8-TetraCDF	pg/L	ND						ND			
2,4-Dichlorophenol	ug/L	ND						ND			
2,4-Dimethylphenol	ug/L	ND						ND			
2,4-Dinitrophenol	ug/L	ND						ND			
2,4-Dinitrotoluene	ug/L	ND						ND			
2,4,6-Trichlorophenol	ug/L	ND						DNQ Est. Conc. 1.6			
2,4'-DDD	ug/L	ND			ND			ND			ND
2,4'-DDE	ug/L	ND			ND			ND			ND
2,4'-DDT	ug/L	ND			ND			ND			ND
3,3'-Dichlorobenzidine	ug/L	ND						ND			
4-Chloro-3-methylphenol	ug/L	ND						ND			
4-Nitrophenol	ug/L	ND						ND			
4,4'-DDD	ug/L	ND			ND			ND			ND
4,4'-DDE	ug/L	ND			ND			ND			ND
4,4'-DDT	ug/L	ND			ND			ND			ND
Acenaphthylene	ug/L	ND						ND			
Acrolein	ug/L	ND						ND			
Acrylonitrile	ug/L	ND						ND			
Aldrin	ug/L	ND						ND			
Ammonia Nitrogen	mg/L	45.0	45.3	44.5	46.1	46.1	46.2	42.4	44.2	44.6	42.7
Anthracene	ug/L	ND						ND			
Antimony	ug/L	1.81			2.14			1.98			2.08
Aroclor 1016	ug/L	ND			ND			ND			ND
Aroclor 1221	ug/L	ND			ND			ND			ND
Aroclor 1232	ug/L	ND			ND			ND			ND
Aroclor 1242	ug/L	ND			ND			ND			ND
Aroclor 1248	ug/L	ND			ND			ND			ND
Aroclor 1254	ug/L	ND			ND			ND			ND
Aroclor 1260	ug/L	ND			ND			ND			ND
Arsenic	ug/L	2.06			1.85			2.54			2.09
Benzene	ug/L	ND						ND			
Benzidine	ug/L	ND			ND			ND			ND
Benzo(a)anthracene (1,2-benzanthracene)	ug/L	ND						ND			
Benzo(a)pyrene	ug/L	ND						ND			
Benzo(b)fluoranthene (3,4-benzofluoranthene)	ug/L	ND						DNQ Est. Conc. 0.021			
Benzo(g,h,i)perylene (1,12-benzoperylene)	ug/L	ND						ND			
Benzo(k)fluoranthene	ug/L	ND						ND			
Beryllium	ug/L	ND			ND			ND			ND
Bis(2-chloro-ethoxy)methane	ug/L	ND						ND			
Bis(2-chloro-isopropyl)ether	ug/L	ND						ND			
Bis(2-chloroethyl)ether	ug/L	ND						ND			
Bis(2-ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 0.94						DNQ Est. Conc. 2.1			
BOD	mg/L	4.0	4.3	4.6	4.1	3.8	4.4	4.1	3.7	3.5	3.6

JWPCP
2018 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Performance Goal	Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average	Monthly Average				
1,1-Dichloroethylene	ug/L			ND	ND	ND			1.1	EPA 624	2	0.13 - 0.32	0.50
1,1,1-Trichloroethane	ug/L			ND	ND	ND			1.8	EPA 624	2	0.07 - 0.21	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND			0.45	EPA 624	2	0.09 - 0.10	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND			0.4	EPA 624	1	0.10 - 0.11	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND				EPA 624	2	0.07 - 0.12	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND			0.6	EPA 624	2	0.09 - 0.11	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			0.65	EPA 625	1	0.20	2.0 - 4.0
1,2,3,4,6,7,8-HeptaCDD	pg/L			ND (1)	ND	ND (1)				EPA 1613B		0.32 - 0.54	52 - 59
1,2,3,4,6,7,8-HeptaCDF	pg/L			ND	ND	DNQ Est. Conc. 10 (2)				EPA 1613B		0.56 - 1.4	52 - 59
1,2,3,4,7,8-HexaCDD	pg/L			ND (1)	ND	ND (1)				EPA 1613B		0.48 - 0.79	52 - 59
1,2,3,4,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 6.5				EPA 1613B		0.52 - 0.61	52 - 59
1,2,3,4,7,8,9-HeptaCDF	pg/L			ND	ND	ND				EPA 1613B		0.78 - 2.0	52 - 59
1,2,3,6,7,8-HexaCDD	pg/L			ND	ND	ND				EPA 1613B		0.44 - 0.77	52 - 59
1,2,3,6,7,8-HexaCDF	pg/L			ND (1)	ND	ND (1)				EPA 1613B		0.45 - 0.55	52 - 59
1,2,3,7,8-PentaCDD	pg/L			ND	ND	ND				EPA 1613B		0.76 - 1.3	52 - 59
1,2,3,7,8-PentaCDF	pg/L			ND	ND	DNQ Est. Conc. 3.1 (2)				EPA 1613B		0.49 - 0.99	52 - 59
1,2,3,7,8,9-HexaCDD	pg/L			ND	ND	ND				EPA 1613B		0.39 - 0.69	52 - 59
1,2,3,7,8,9-HexaCDF	pg/L			ND (1)	ND	ND (1)				EPA 1613B		0.25 - 0.52	52 - 59
1,3-Dichlorobenzene	ug/L			ND	ND	ND				EPA 624	2	0.08 - 0.09	0.50
1,3-Dichloropropene	ug/L			ND	ND	ND			0.65	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L			ND	ND	DNQ Est. Conc. 0.10			1.0	EPA 624	2	0.07 - 0.16	0.50
2-Chlorophenol	ug/L			ND	ND	ND				EPA 625	5	0.18	10.0 - 20.0
2-methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			13	EPA 625	5	0.92	10.0 - 20.0
2-Nitrophenol	ug/L			ND	ND	ND				EPA 625	10	0.10	20.0 - 40.0
2,3,4,6,7,8-HexaCDF	pg/L			ND	ND	ND				EPA 1613B		0.30 - 0.50	52 - 59
2,3,4,7,8-PentaCDF	pg/L			ND	ND	ND				EPA 1613B		0.56 - 1.1	52 - 59
2,3,7,8-TCDD	pg/L			ND	ND	ND				EPA 1613B		0.48 - 0.54	10 - 12
2,3,7,8-TetraCDF	pg/L			ND	ND	ND				EPA 1613B		0.43 - 0.45	10 - 12
2,4-Dichlorophenol	ug/L			ND	ND	ND				EPA 625	5	0.63	10.0 - 20.0
2,4-Dimethylphenol	ug/L			ND	ND	ND				EPA 625	2	0.88	4.0 - 8.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			17	EPA 625	5	2.8	10.0 - 20.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			1.0	EPA 625	5	0.27	10.0 - 20.0
2,4,6-Trichlorophenol	ug/L			ND	ND	DNQ Est. Conc. 1.6			0.6	EPA 625	10	0.21	20.0 - 40.0
2,4'-DDD	ug/L			ND	ND	ND				EPA 608		0.0008 - 0.001	0.01
2,4'-DDE	ug/L			ND	ND	ND				EPA 608		0.001 - 0.002	0.01
2,4'-DDT	ug/L			ND	ND	ND				EPA 608		0.002 - 0.003	0.01
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND		1.4		EPA 625	5	0.81	10.0 - 20.0
4-Chloro-3-methylphenol	ug/L			ND	ND	ND				EPA 625	1	0.44	2.0 - 4.0
4-Nitrophenol	ug/L			ND	ND	ND				EPA 625	10	1.3	20.0 - 40.0
4,4'-DDD	ug/L			ND	ND	ND				EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L			ND	ND	ND				EPA 608	0.05	0.001	0.01
4,4'-DDT	ug/L			ND	ND	ND				EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthylene	ug/L			ND	ND	ND				EPA 625	10	0.19	20.0 - 40.0
Acrolein	ug/L			ND	ND	ND			5.2	EPA 624		1.3 - 1.6	2.0
Acrylonitrile	ug/L			ND	ND	ND			2.7	EPA 624		0.20 - 0.92	2.0
Aldrin	ug/L			ND	ND	ND			0.0037	EPA 608	0.005	0.0009 - 0.002	0.005
Ammonia Nitrogen	mg/L	45.6	46.9	42.4	45.0	46.9			47	SM 4500 NH3 C		0.100	4.00
Anthracene	ug/L			ND	ND	ND				EPA 625	10	0.19	20.0 - 40.0
Antimony	ug/L			1.81	2.00	2.14			6.8	EPA 200.8	0.5	0.32	0.50
Aroclor 1016	ug/L			ND	ND	ND				EPA 608	0.5	0.02 - 0.03	0.1
Aroclor 1221	ug/L			ND	ND	ND				EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L			ND	ND	ND				EPA 608	0.5	0.09 - 0.1	0.3
Aroclor 1242	ug/L			ND	ND	ND				EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1248	ug/L			ND	ND	ND				EPA 608	0.5	0.02 - 0.03	0.1
Aroclor 1254	ug/L			ND	ND	ND				EPA 608	0.5	0.01 - 0.02	0.05
Aroclor 1260	ug/L			ND	ND	ND				EPA 608	0.5	0.01 - 0.02	0.1
Arsenic	ug/L			1.85	2.14	2.54			2.5	EPA 200.8	2	0.14	1.00
Benzene	ug/L			ND	ND	ND			0.75	EPA 624	2	0.10 - 0.15	0.50
Benzidine	ug/L			ND	ND	ND		0.012		EPA 625	5	1.8	10.0 - 20.0
Benzo(a)anthracene (1,2-benzanthracene)	ug/L			ND	ND	ND				EPA 625	5	0.14	10.0 - 20.0
Benzo(a)pyrene	ug/L			ND	ND	ND				EPA 610	10	0.007	0.10
Benzo(b)fluoranthene (3,4-benzofluoranthene)	ug/L			ND	ND	DNQ Est. Conc. 0.021				EPA 610	10	0.004	0.10
Benzo(g,h,i)perylene (1,12-benzoperylene)	ug/L			ND	ND	ND				EPA 625	5	0.12	10.0 - 20.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND				EPA 610	10	0.005	0.10
Beryllium	ug/L			ND	ND	ND			0.15	EPA 200.8	0.5	0.030	0.25
Bis(2-chloro-ethoxy)methane	ug/L			ND	ND	ND			1.3	EPA 625	5	0.11	10.0 - 20.0
Bis(2-chloro-isopropyl)ether	ug/L			ND	ND	ND			1.6	EPA 625	2	0.20	4.0 - 8.0
Bis(2-chloroethyl)ether	ug/L			ND	ND	ND			0.95	EPA 625	1	0.20	2.0 - 4.0
Bis(2-ethylhexyl) phthalate	ug/L			DNQ Est. Conc. 0.94	ND	DNQ Est. Conc. 2.1			14	EPA 625	5	0.16	4.0 - 8.0
BOD	mg/L	4.0	5.6	3.5	4.1	5.6		30		SM 5210B		0.6	2.4 - 3.0

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Bromoform	ug/L	DNQ Est. Conc. 0.18						ND			
Bromomethane	ug/L	ND						ND			
Cadmium	ug/L	DNQ Est. Conc. 0.050			ND			ND			DNQ Est. Conc. 0.034
Carbon tetrachloride	ug/L	ND						ND			
Chlordane-alpha	ug/L	ND						ND			
Chlordane-gamma	ug/L	ND						ND			
Chlorobenzene	ug/L	ND						ND			
Chlorodibromomethane	ug/L	DNQ Est. Conc. 0.23			ND			ND			ND
Chloroform	ug/L	11.6						18.7			
Chloromethane	ug/L	ND						DNQ Est. Conc. 0.31			
Chromium (III)	ug/L	1.25			1.38			1.26			1.38
Chromium (VI)	ug/L	DNQ Est. Conc. 0.01			0.08			0.06			DNQ Est. Conc. 0.02
Chrysene	ug/L	ND						ND			
cis-Nonachlor	ug/L	ND						ND			
Copper	ug/L	2.81			1.85			1.96			1.51
Cyanide	ug/L	DNQ Est. Conc. 4.11			DNQ Est. Conc. 4.94			DNQ Est. Conc. 3.77			DNQ Est. Conc. 4.60
Di-n-butyl phthalate	ug/L	ND						ND			
Dibenzo(a,h)anthracene	ug/L	ND						ND			
Dichlorobromomethane	ug/L	0.83						0.66			
Dichloromethane	ug/L	0.98						1.9			
Dieldrin	ug/L	ND						ND			
Diethyl phthalate	ug/L	ND						ND			
Dimethyl phthalate	ug/L	ND						ND			
Endosulfan sulfate	ug/L	ND						ND			
Endosulfan-alpha	ug/L	ND						ND			
Endosulfan-beta	ug/L	ND						ND			
Endrin	ug/L	ND						ND			
Ethylbenzene	ug/L	ND						ND			
Fluoranthene	ug/L	ND						ND			
Fluorene	ug/L	ND						ND			
Gross alpha radioactivity	pCi/L	2.21			5.19			ND			ND
Gross beta radioactivity	pCi/L	18.6			18.3			13.7			19.9
Heptachlor epoxide	ug/L	ND						ND			
Heptachlor	ug/L	ND						ND			
Hexachlorobenzene	ug/L	ND						ND			
Hexachlorobutadiene	ug/L	ND						ND			
Hexachlorocyclopentadiene	ug/L	ND						ND			
Hexachloroethane	ug/L	ND						ND			
Indeno (1,2,3-cd) pyrene	ug/L	ND						ND			
Isophorone	ug/L	ND						ND			
Lead	ug/L	DNQ Est. Conc. 0.13			DNQ Est. Conc. 0.12			DNQ Est. Conc. 0.13			DNQ Est. Conc. 0.08
Mercury	ug/L	DNQ Est. Conc. 0.01			ND			ND			ND
Methyl-tert-butyl-ether	ug/L	3.8						1.7			10.3
n-Nitrosodi-n-propylamine	ug/L	ND / ND						ND / ND			
n-Nitrosodimethylamine (NDMA)	ug/L	0.20 / ND						0.19 / ND			
n-Nitrosodiphenylamine	ug/L	ND						ND			
Nickel	ug/L	7.73			8.38			7.39			6.48
Nitrate as Nitrogen	mg/L	ND			DNQ Est. Conc. 0.09			ND			ND
Nitrobenzene	ug/L	ND						ND			
OctaCDD	pg/L	ND (1)						DNQ Est. Conc. 25 (1)			
OctaCDF	pg/L	ND (1)						DNQ Est. Conc. 9.3 (1)(2)			
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Organic nitrogen	mg/L	3.09			4.10			1.48			3.02
Oxychlordane	ug/L	ND						ND			
PCB-105	pg/L							DNQ Est. Conc. 6.7			
PCB-110/115	pg/L							DNQ Est. Conc. 21 (1)			
PCB-114	pg/L							ND			
PCB-118	pg/L							DNQ Est. Conc. 15 (1)			
PCB-123	pg/L							ND			
PCB-126	pg/L							ND			
PCB-128/166	pg/L							DNQ Est. Conc. 2.4			
PCB-129/138/163	pg/L							DNQ Est. Conc. 19 (1)			
PCB-135/151	pg/L							DNQ Est. Conc. 4.4 (2)			
PCB-147/149	pg/L							DNQ Est. Conc. 11 (1)			
PCB-153/168	pg/L							DNQ Est. Conc. 12 (1)			
PCB-156/157	pg/L							DNQ Est. Conc. 1.9			
PCB-158	pg/L							DNQ Est. Conc. 1.4			
PCB-167	pg/L							ND			
PCB-169	pg/L							ND			
PCB-170	pg/L							DNQ Est. Conc. 3.2			

JWPCP
2018 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Performance Goal	Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average	Monthly Average				
Bromoform	ug/L			ND	ND	DNQ Est. Conc. 0.18				EPA 624	2	0.13 - 0.17	0.50
Bromomethane	ug/L			ND	ND	ND				EPA 624	2	0.33 - 0.34	0.50
Cadmium	ug/L			ND	ND	DNQ Est. Conc. 0.050			0.1	EPA 200.8	0.25	0.031	0.20
Carbon tetrachloride	ug/L			ND	ND	ND			1.0	EPA 624	2	0.11 - 0.28	0.50
Chlordane-alpha	ug/L			ND	ND	ND				EPA 608		0.001 - 0.002	0.01
Chlordane-gamma	ug/L			ND	ND	ND				EPA 608		0.002 - 0.003	0.01
Chlorobenzene	ug/L			ND	ND	ND			1.2	EPA 624	2	0.08 - 0.11	0.50
Chlorodibromomethane	ug/L			ND	ND	DNQ Est. Conc. 0.23			0.6	EPA 624	2	0.08 - 0.22	0.50
Chloroform	ug/L			11.6	15.2	18.7			25.4	EPA 624	2	0.09 - 0.18	0.50
Chloromethane	ug/L			ND	ND	DNQ Est. Conc. 0.31				EPA 624	2	0.06 - 0.19	0.50
Chromium (III)	ug/L			1.25	1.32	1.38			2.9	Chromium III Calculation			
Chromium (VI)	ug/L			DNQ Est. Conc. 0.01	0.04	0.08			1.5	EPA 218.6 (Dissolved)		0.01 - 0.02	0.05
Chrysene	ug/L			ND	ND	ND				EPA 610	10	0.005	0.10
cis-Nonachlor	ug/L			ND	ND	ND				EPA 608		0.0007 - 0.002	0.01
Copper	ug/L			1.51	2.03	2.81			4.9	EPA 200.8	0.5	0.11	0.50
Cyanide	ug/L			DNQ Est. Conc. 3.77	ND	DNQ Est. Conc. 4.94			10	SM 4500 CN E	5	0.7	5.00
Di-n-butyl phthalate	ug/L			ND	ND	ND			4.4	EPA 625	10	0.12	20.0 - 40.0
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND				EPA 610	10	0.004	0.10
Dichlorobromomethane	ug/L			0.66	0.75	0.83			1.5	EPA 624	2	0.09 - 0.17	0.50
Dichloromethane	ug/L			0.98	1.4	1.9			3	EPA 624	2	0.18 - 0.20	0.50
Dieldrin	ug/L			ND	ND	ND			0.005	EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L			ND	ND	ND			2.1	EPA 625	2	0.26	4.0 - 8.0
Dimethyl phthalate	ug/L			ND	ND	ND			1.9	EPA 625	2	0.28	4.0 - 8.0
Endosulfan sulfate	ug/L			ND	ND	ND				EPA 608	0.05	0.002 - 0.009	0.01
Endosulfan-alpha	ug/L			ND	ND	ND				EPA 608	0.02	0.001	0.01
Endosulfan-beta	ug/L			ND	ND	ND				EPA 608	0.01	0.001 - 0.003	0.01
Endrin	ug/L			ND	ND	ND			0.01	EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L			ND	ND	ND			1.9	EPA 624	2	0.12 - 0.18	0.50
Fluoranthene	ug/L			ND	ND	ND			1.9	EPA 625	1	0.24	2.0 - 4.0
Fluorene	ug/L			ND	ND	ND				EPA 625	10	0.35	20.0 - 40.0
Gross alpha radioactivity	pCi/L			ND	1.85	5.19			10.9	EPA 900.0		2.55 - 10.8	2.55 - 3.00
Gross beta radioactivity	pCi/L			13.7	17.6	19.9			30.5	EPA 900.0		1.84 - 5.86	1.84 - 4.00
Heptachlor epoxide	ug/L			ND	ND	ND			0.0033	EPA 608	0.01	0.001	0.01
Heptachlor	ug/L			ND	ND	ND			0.005	EPA 608	0.01	0.0008 - 0.0009	0.01
Hexachlorobenzene	ug/L			ND	ND	ND		0.035		EPA 625	1	0.17	2.0 - 4.0
Hexachlorobutadiene	ug/L			ND	ND	ND			0.7	EPA 625	1	0.33	2.0 - 4.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND			7.5	EPA 625	5	0.53	10.0 - 20.0
Hexachloroethane	ug/L			ND	ND	ND			0.7	EPA 625	1	0.13	2.0 - 4.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND				EPA 610	10	0.004	0.10
Isophorone	ug/L			ND	ND	ND			0.65	EPA 625	1	0.11	2.0 - 4.0
Lead	ug/L			DNQ Est. Conc. 0.08	ND	DNQ Est. Conc. 0.13			0.4	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L			ND	ND	DNQ Est. Conc. 0.01			0.04	EPA 245.1	0.5	0.004 - 0.017	0.04 - 0.050
Methyl-tert-butyl-ether	ug/L			1.7	5.3	10.3				EPA 624		0.08 - 0.21	0.50
n-Nitrosodi-n-propylamine	ug/L			ND / ND	ND / ND	ND / ND			0.6	EPA 1625 (Modified) / EPA 625		0.0003 - 0.50	0.010 - 20.0
n-Nitrosodimethylamine (NDMA)	ug/L			0.19 / ND	0.20 / ND	0.20 / ND			0.7	EPA 1625 (Modified) / EPA 625	5	0.0005 - 0.34	0.010 - 20.0
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			0.75	EPA 625	1	0.28	2.0 - 4.0
Nickel	ug/L			6.48	7.50	8.38			13	EPA 200.8	1	0.12	1.00
Nitrate as Nitrogen	mg/L			ND	ND	DNQ Est. Conc. 0.09				SM 4500 NO3 E		0.0100	0.100
Nitrobenzene	ug/L			ND	ND	ND			2.2	EPA 625	1	0.17	2.0 - 4.0
OctaCDD	pg/L			ND (1)	ND	DNQ Est. Conc. 25 (1)				EPA 1613B		0.67 - 1.9	100 - 120
OctaCDF	pg/L			ND (1)	ND	DNQ Est. Conc. 9.3 (1)(2)				EPA 1613B		0.55 - 1.2	100 - 120
Oil and grease	mg/L	ND	ND	ND	ND	ND	45	15		EPA 1664A		1.2	4.1 - 4.5
Organic nitrogen	mg/L			1.48	2.92	4.10				SM 4500 NH3 C			1.00 - 4.00
Oxychlordane	ug/L			ND	ND	ND				EPA 608		0.001	0.01
PCB-105	pg/L			DNQ Est. Conc. 6.7	ND	DNQ Est. Conc. 6.7				EPA 1668		0.58	21
PCB-110/115	pg/L			DNQ Est. Conc. 21 (1)	ND	DNQ Est. Conc. 21 (1)				EPA 1668		0.52	410
PCB-114	pg/L			ND	ND	ND				EPA 1668		0.56	21
PCB-118	pg/L			DNQ Est. Conc. 15 (1)	ND	DNQ Est. Conc. 15 (1)				EPA 1668		0.55	21
PCB-123	pg/L			ND	ND	ND				EPA 1668		0.57	21
PCB-126	pg/L			ND	ND	ND				EPA 1668		0.58	21
PCB-128/166	pg/L			DNQ Est. Conc. 2.4	ND	DNQ Est. Conc. 2.4				EPA 1668		0.86	410
PCB-129/138/163	pg/L			DNQ Est. Conc. 19 (1)	ND	DNQ Est. Conc. 19 (1)				EPA 1668		1.1	620
PCB-135/151	pg/L			DNQ Est. Conc. 4.4 (2)	ND	DNQ Est. Conc. 4.4 (2)				EPA 1668		1.0	410
PCB-147/149	pg/L			DNQ Est. Conc. 11 (1)	ND	DNQ Est. Conc. 11 (1)				EPA 1668		0.94	410
PCB-153/168	pg/L			DNQ Est. Conc. 12 (1)	ND	DNQ Est. Conc. 12 (1)				EPA 1668		0.77	410
PCB-156/157	pg/L			DNQ Est. Conc. 1.9	ND	DNQ Est. Conc. 1.9				EPA 1668		0.89	41
PCB-158	pg/L			DNQ Est. Conc. 1.4	ND	DNQ Est. Conc. 1.4				EPA 1668		0.70	210
PCB-167	pg/L			ND	ND	ND				EPA 1668		0.63	21
PCB-169	pg/L			ND	ND	ND				EPA 1668		0.67	21
PCB-170	pg/L			DNQ Est. Conc. 3.2	ND	DNQ Est. Conc. 3.2				EPA 1668		0.36	210

JWPCP
2018 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
PCB-177	pg/L							DNQ Est. Conc. 2.0			
PCB-18/30	pg/L							DNQ Est. Conc. 32 (1)			
PCB-180/193	pg/L							DNQ Est. Conc. 7.4			
PCB-183	pg/L							ND (1)			
PCB-187	pg/L							DNQ Est. Conc. 4.2			
PCB-189	pg/L							ND			
PCB-194	pg/L							DNQ Est. Conc. 1.9 (2)			
PCB-20/28	pg/L							DNQ Est. Conc. 40 (1)			
PCB-201	pg/L							ND			
PCB-206	pg/L							ND			
PCB-37	pg/L							DNQ Est. Conc. 8.4			
PCB-44/47/65	pg/L							ND (1)			
PCB-49/69	pg/L							DNQ Est. Conc. 13 (1)			
PCB-52	pg/L							DNQ Est. Conc. 32 (1)			
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 34 (1)			
PCB-66	pg/L							DNQ Est. Conc. 18			
PCB-77	pg/L							DNQ Est. Conc. 1.8			
PCB-81	pg/L							ND			
PCB-86/87/97/108/119/125	pg/L							DNQ Est. Conc. 13			
PCB-90/101/113	pg/L							DNQ Est. Conc. 16 (1)			
PCB-99	pg/L							DNQ Est. Conc. 7.6			
Pentachlorophenol	ug/L	ND						ND			
Phenanthrene	ug/L	ND						ND			
Phenol	ug/L	ND						DNQ Est. Conc. 0.58			
pH	SU	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
Pyrene	ug/L	ND						ND			
Radium 226 + 228	pCi/L										ND
Radium 226	pCi/L										ND
Radium 228	pCi/L										ND
Selenium	ug/L	4.71			5.06			3.76			4.95
Settleable Solids	ml/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	DNQ Est. Conc. 0.04			DNQ Est. Conc. 0.02			DNQ Est. Conc. 0.03			DNQ Est. Conc. 0.02
TCDD equivalents	pg/L	ND						ND			
Temperature	Degrees F	78.5	78.4	78.4	80.2	81.6	83.6	86.2	87.7	86.7	85.1
Tetrachloroethylene	ug/L	ND						ND			
Thallium	ug/L	ND			ND			ND			ND
Toluene	ug/L	DNQ Est. Conc. 0.20						DNQ Est. Conc. 0.25			
Total Chlordanes	ug/L	ND						ND			
Total Chromium	ug/L	1.25			1.46			1.32			1.38
Total DDT	ug/L	ND			ND			ND			ND
Total Dichlorobenzene	ug/L	ND						ND			
Total Endosulfan	ug/L	ND						ND			
Total Halomethanes	ug/L	ND						ND			
Total HCH	ug/L	ND						0.01			
Total Organic Carbon	mg/L	14.0	13.9	16.5	14.1	13.9	13.9	13.8	13.4	15.9	13.4
Total PAH	ug/L	ND						ND			
Total PCBs as Aroclors	ug/L	ND			ND			ND			ND
Total PCBs as Congeners	ug/L							ND			
Total Phenolic Compounds (chlorinated)	ug/L	ND						ND			
Total Phenolic Compounds (non-chlorinated)	ug/L	ND						ND			
Total Phosphorus	mg/L	0.58			0.66			1.17			0.74
Total Suspended Solids	mg/L	11	12	13	9.1	9.9	12	11	9.9	13	8.3
Toxaphene	ug/L	ND			ND			ND			ND
trans-Nonachlor	ug/L	ND						ND			
Tributyltin (TBT)	ng/L	ND						ND			
Trichloroethylene	ug/L	ND						ND			
Turbidity (24-Hour composite sample)	NTU	3.6	3.7	4.4	3.4	3.2	3.4	3.6	3.2	3.4	2.7
Turbidity (Grab sample)	NTU	3.2	3.7	4.1	3.2	3.2	3.4	3.8	3.3	3.5	3.9
Uranium	pCi/L							ND			
Vinyl Chloride	ug/L	ND						ND			
Zinc	ug/L	10.6			9.79			12.6			9.85

JWPCP
2018 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Performance Goal	Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average	Monthly Average				
PCB-177	pg/L			DNQ Est. Conc. 2.0	ND	DNQ Est. Conc. 2.0				EPA 1668		0.35	210
PCB-18/30	pg/L			DNQ Est. Conc. 32 (1)	ND	DNQ Est. Conc. 32 (1)				EPA 1668		1.1	410
PCB-180/193	pg/L			DNQ Est. Conc. 7.4	ND	DNQ Est. Conc. 7.4				EPA 1668		0.28	410
PCB-183	pg/L			ND (1)	ND	ND (1)				EPA 1668		0.30	210
PCB-187	pg/L			DNQ Est. Conc. 4.2	ND	DNQ Est. Conc. 4.2				EPA 1668		0.31	210
PCB-189	pg/L			ND	ND	ND				EPA 1668		0.31	21
PCB-194	pg/L			DNQ Est. Conc. 1.9 (2)	ND	DNQ Est. Conc. 1.9 (2)				EPA 1668		0.37	210
PCB-20/28	pg/L			DNQ Est. Conc. 40 (1)	ND	DNQ Est. Conc. 40 (1)				EPA 1668		2.1	410
PCB-201	pg/L			ND	ND	ND				EPA 1668		0.20	210
PCB-206	pg/L			ND	ND	ND				EPA 1668		1.1	210
PCB-37	pg/L			DNQ Est. Conc. 8.4	ND	DNQ Est. Conc. 8.4				EPA 1668		2.1	210
PCB-44/47/65	pg/L			ND (1)	ND	ND (1)				EPA 1668		1.3	620
PCB-49/69	pg/L			DNQ Est. Conc. 13 (1)	ND	DNQ Est. Conc. 13 (1)				EPA 1668		1.1	410
PCB-52	pg/L			DNQ Est. Conc. 32 (1)	ND	DNQ Est. Conc. 32 (1)				EPA 1668		1.4	210
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 34 (1)	ND	DNQ Est. Conc. 34 (1)				EPA 1668		0.91	830
PCB-66	pg/L			DNQ Est. Conc. 18	ND	DNQ Est. Conc. 18				EPA 1668		0.96	210
PCB-77	pg/L			DNQ Est. Conc. 1.8	ND	DNQ Est. Conc. 1.8				EPA 1668		1.0	21
PCB-81	pg/L			ND	ND	ND				EPA 1668		1.0	21
PCB-86/87/97/108/119/125	pg/L			DNQ Est. Conc. 13	ND	DNQ Est. Conc. 13				EPA 1668		0.59	1200
PCB-90/101/113	pg/L			DNQ Est. Conc. 16 (1)	ND	DNQ Est. Conc. 16 (1)				EPA 1668		0.59	620
PCB-99	pg/L			DNQ Est. Conc. 7.6	ND	DNQ Est. Conc. 7.6				EPA 1668		0.62	210
Pentachlorophenol	ug/L			ND	ND	ND				EPA 625	5	0.62	2.0 - 4.0
Phenanthrene	ug/L			ND	ND	ND				EPA 625	5	0.31	10.0 - 20.0
Phenol	ug/L			ND	ND	DNQ Est. Conc. 0.58				EPA 625	1	0.12	2.0 - 4.0
pH	SU	7.0	7.1	7.0	7.1	7.1				SM 4500 H+ B		1.00	1.00 - 4.00
Pyrene	ug/L			ND	ND	ND				EPA 625	10	0.28	20.0 - 40.0
Radium 226 + 228	pCi/L			ND	ND	ND				Drinking H2O Radium Sum Method			1.0
Radium 226	pCi/L			ND	ND	ND				EPA 903.0		0.108	1.00
Radium 228	pCi/L			ND	ND	ND				EPA 904.0		0.392	1.00
Selenium	ug/L			3.76	4.62	5.06			11	EPA 200.8	2	0.04	1.00
Settleable Solids	ml/L	ND	ND	ND	ND	ND	1.5	0.5		SM 2540F		0 - 0.1	0.1
Silver	ug/L			DNQ Est. Conc. 0.02	ND	DNQ Est. Conc. 0.04			0.2	EPA 200.8	0.25	0.02	0.20
TCDD equivalents	pg/L			ND	ND	ND		0.65		EPA 1613B			
Temperature	Degrees F	82.9	79.6	78.4	82.4	87.7	100			EPA 170.1 (oF)			
Tetrachloroethylene	ug/L			ND	ND	ND			20	EPA 624	2	0.16 - 0.18	0.50
Thallium	ug/L			ND	ND	ND			0.6	EPA 200.8	1	0.015	0.25
Toluene	ug/L			DNQ Est. Conc. 0.20	ND	DNQ Est. Conc. 0.25			0.5	EPA 624	2	0.06 - 0.19	0.50
Total Chlordanes	ug/L			ND	ND	ND		0.0038		EPA 608			
Total Chromium	ug/L			1.25	1.35	1.46				EPA 200.8	0.5	0.11	0.50
Total DDT	ug/L			ND	ND	ND		0.0158	0.015	EPA 608			
Total Dichlorobenzene	ug/L			ND	ND	ND			0.5	EPA 624			
Total Endosulfan	ug/L			ND	ND	ND			0.015	EPA 608			
Total Halomethanes	ug/L			ND	ND	ND			1	EPA 624			
Total HCH	ug/L			ND	0.005	0.01			0.015	EPA 608			
Total Organic Carbon	mg/L	12.0	14.0	12.0	14.1	16.5				SM 5310C		0.05 - 0.08	5.00 - 10.0
Total PAH	ug/L			ND	ND	ND			0.95	EPA 625			
Total PCBs as Aroclors	ug/L			ND	ND	ND		0.00035		EPA 608			
Total PCBs as Congeners	ug/L			ND	ND	ND		0.00035		EPA 1668			
Total Phenolic Compounds (chlorinated)	ug/L			ND	ND	ND			1.9	EPA 625			
Total Phenolic Compounds (non-chlorinated)	ug/L			ND	ND	ND			3.6	EPA 625			
Total Phosphorus	mg/L			0.58	0.79	1.17				SM4500P-E		0.00300 - 0.00800	0.250
Total Suspended Solids	mg/L	8.7	11	8.3	11	13		30		SM 2540D		2.5	4.2 - 6.2
Toxaphene	ug/L			ND	ND	ND		0.035		EPA 608	0.5	0.05 - 0.08	0.5
trans-Nonachlor	ug/L			ND	ND	ND				EPA 608		0.001	0.01
Tributyltin (TBT)	ng/L			ND	ND	ND			10	Tributyltin by GC/FPD		1.3 - 1.5	2.9 - 3.3
Trichloroethylene	ug/L			ND	ND	ND			0.85	EPA 624	2	0.13 - 0.28	0.50
Turbidity (24-Hour composite sample)	NTU	2.6	2.9	2.6	3.3	4.4		75		SM 2130B		0.0090 - 0.10	0.10
Turbidity (Grab sample)	NTU	2.7	2.8	2.7	3.4	4.1		75		SM 2130B		0.0090 - 0.10	0.10
Uranium	pCi/L			ND	ND	ND				EPA 908.0		0.135	1.00
Vinyl Chloride	ug/L			ND	ND	ND			1.3	EPA 624	2	0.26 - 0.37	0.50
Zinc	ug/L			9.79	10.7	12.6			17	EPA 200.8	1	0.60	1.00

(1) Blank contamination observed.

(2) Possible interference observed. The measured ion ratio did not meet qualitative criteria for analysis and results are considered to be an estimated maximum possible concentration.

JWPCP Biosolids Monitoring

EPA	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460 BIOSOLIDS ANNUAL REPORT	FORM Approved OMB No. 2040-0004

EPA's sewage sludge regulations require certain publicly owned treatment works (POTWs) and Class I sewage sludge management facilities to submit to a Sewage Sludge (Biosolids) Annual Report (see 40 CFR 503.18 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_118), 503.28 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_128), 503.48 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_148)). Facilities that must submit a Sewage Sludge (Biosolids) Annual Report include POTWs with a design flow rate equal to or greater than one million gallons per day, POTWs that serve 10,000 people or more, Class I Sludge Management Facilities (as defined by 40 CFR 503.9 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_19)), and facilities otherwise required to file this report (e.g., permit condition, enforcement action, state law). This is the electronic form for Sewage Sludge (Biosolids) Annual Report filers to use if they are located in one of the states, tribes, or territories (https://www.epa.gov/npdes/npdes-state-program-information) where EPA administers the Federal biosolids program.

For the purposes of this form, the term 'sewage sludge (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_19)' also refers to the material that is commonly referred to as 'biosolids'. EPA does not have a regulatory definition for biosolids but this material is commonly referred to as sewage sludge that is placed on, or applied to the land to use the beneficial properties of the material as a soil amendment, conditioner, or fertilizer. EPA's use of the term 'biosolids' in this form is to confirm that information about beneficially used sewage sludge (a.k.a. biosolids) should be reported on this form.

Please note that EPA may contact you after you submit this report for more information regarding your sewage sludge management program.

Facility Information

Facility Name: LACSD - JWPCP

Program Information

Please select at least one of the following options pertaining to your obligation to submit a Sewage Sludge (Biosolids) Annual Report in compliance with 40 CFR part 503. The facility is:

- a Class I Sludge Management Facility as defined in 40 CFR 503.9
- a POTW with a design flow rate equal to or greater than one million gallons per day
- a POTW that serves 10,000 people or more

In the reporting period, did you manage your sewage sludge or biosolids using any of the following management practices: land application, surface disposal, or incineration?

☑ YES ☐ NO

If your facility is a POTW, please provide the estimated total amount of sewage sludge produced at your facility for the reporting period (in dry metric tons). If your facility is not a POTW, please provide the estimated total amount of biosolids produced at your facility for the reporting period (in dry metric tons).

112182

Reporting Period Start Date: 01/01/2018 **Reporting Period End Date:** 12/31/2018

Treatment Processes

Processes to Significantly Reduce Pathogens (PSRP):
Anaerobic Digestion

Processes to Further Reduce Pathogens (PFRP):

Physical Treatment Options:
Preliminary Operations (e.g., sludge grinding, degritting, blending)
Thickening (e.g., gravity and/or flotation thickening, centrifugation, belt filter press, vacuum filter)

Other Processes to Manage Sewage Sludge:
Methane or Biogas Capture and Recovery

Analytical Methods

Did you use any analytical methods to analyze sewage sludge in the reporting period? ☑ YES ☐ NO

Analytical Methods

- EPA Method 6020 - Arsenic (ICP-MS)
- EPA Method 6020 - Cadmium (ICP-MS)
- EPA Method 6020 - Chromium (ICP-MS)
- EPA Method 6020 - Copper (ICP-MS)
- EPA Method 6020 - Lead (ICP-MS)
- EPA Method 7471 - Mercury (CVAA)
- EPA Method 6020 - Molybdenum (ICP-MS)
- EPA Method 6020 - Nickel (ICP-MS)
- EPA Method 6020 - Selenium (ICP-MS)
- EPA Method 6020 - Zinc (ICP-MS)
- EPA Method 6020 - Beryllium (ICP-MS)
- Standard Method 4500-NH3 - Ammonia Nitrogen
- Standard Method 4500-Norg - Organic Nitrogen
- EPA Method 9095 - Paint Filter Liquids Test
- Standard Method 2540 - Total Solids
- Standard Method 2540 - Volatile Solids
- EPA Method 9045 - pH (> 7% solids)
- Standard Method 9221 - Fecal coliform

Other Analytical Methods

- Other Nitrogen Analytical Method
  Other Analytical Methods Text Area:

  Total Nitrogen Calculation

- Other Total Kjeldahl Nitrogen Analytical Method
  Other Analytical Methods Text Area:

  SM 4500 NH3

- Other Nitrate Nitrogen Analytical Method
  Other Analytical Methods Text Area:

  SM 4500 NO3

Sludge Management - Land Application

ID: 001

Amount: 12629

Management Practice Detail: Agricultural Land Application

Bulk or Bag/Container: Bulk

Handler, Preparer, or Applier Type: Off-Site Third-Party Handler or Applier

NPDES ID of handler:

Facility Information:
Denali Water Solutions, LLC.
2001 West Key Street
Colton, CA 92324

Contact Information:
Chris Marks
Area Environmental Manager, West
760-801-3175
chris.marks@denaliwater.com

Pathogen Class: Class B

Sewage Sludge or Biosolids Pathogen Reduction Options:

- Class B-Alternative 2 PSRP 3: Anaerobic Digestion

Sewage Sludge or Biosolids Vector Attraction Reduction Options:

- Option 1 - Volatile Solids Reduction

Did the facility land apply bulk sewage sludge when one or more pollutants in the sewage sludge exceeded 90 percent or more of any of the cumulative pollutant loading rates in Table 2 of 40 CFR 503.13?

☐ YES ☑ NO ☐ UNKNOWN

Monitoring Data

INSTRUCTIONS: Pollutants, pathogen densities, and vector attraction reduction must be monitored when sewage sludge or biosolids are applied to the land. Please use the following section to report monitoring data for the land application conducted by you or your facility in the reporting period for this SSUID. These monitoring data should be representative of the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID (40 CFR 503.8(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_18)). All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis. EPA will be using these data to demonstrate compliance with EPA's land application requirements (40 CFR 503, Subpart B).

Compliance Monitoring Periods

INSTRUCTIONS: Please use the table below to identify the start date and end date for each compliance monitoring period. The number of compliance monitoring periods reported will correspond to the required frequency of monitoring (monthly, quarterly, semi-annually, or annually). For example, if monthly monitoring is required, you should report 12 compliance monitoring periods. The required frequency is determined by the number of metric tons (dry weight basis) of sewage sludge or biosolids land applied in the reporting period for this SSUID (40 CFR 503.16 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_116)).

Compliance Monitoring Event No. 1 **Compliance Monitoring Period Start Date:** 01/01/2018 **Compliance Monitoring Period End Date:** 02/28/2018

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES ☑ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.32	
Cadmium	=	6.2	
Copper	=	355	
Lead	=	18.6	
Mercury	=	0.88	
Molybdenum	=	23.6	
Nickel	=	44.2	
Selenium	=	26.2	
Zinc	=	780	

Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.27	
Cadmium	=	5.6	
Copper	=	347	
Lead	=	17.7	
Mercury	=	0.71	
Nickel	=	42.9	
Selenium	=	25.5	
Zinc	=	780	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	56900	

Compliance Monitoring Event No. 2 **Compliance Monitoring Period Start Date:** 03/01/2018 **Compliance Monitoring Period End Date:** 04/30/2018

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES ☑ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.94	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Cadmium	=	6.2	
Copper	=	326	
Lead	=	17	
Mercury	=	0.24	
Molybdenum	=	28.5	
Nickel	=	39.7	
Selenium	=	28.9	
Zinc	=	712	

Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.87	
Cadmium	=	5.9	
Copper	=	316	
Lead	=	16.2	
Mercury	=	0.24	
Nickel	=	39.2	
Selenium	=	26.3	
Zinc	=	700	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	55200	

Compliance Monitoring Event No. 3 **Compliance Monitoring Period Start Date:** 05/01/2018 **Compliance Monitoring Period End Date:** 06/30/2018

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES ☑ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.51	
Cadmium	=	6.9	
Copper	=	326	
Lead	=	16.7	
Mercury	=	1.8	
Molybdenum	=	25.2	
Nickel	=	41.9	
Selenium	=	25.1	
Zinc	=	785	

Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.45	
Cadmium	=	6.7	
Copper	=	321	
Lead	=	16.7	
Mercury	=	1.18	
Nickel	=	41.3	
Selenium	=	24.6	
Zinc	=	761	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	54500	

Compliance Monitoring Event No. 4 **Compliance Monitoring Period Start Date:** 07/01/2018 **Compliance Monitoring Period End Date:** 08/31/2018

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES ☑ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.39	
Cadmium	=	7.6	
Copper	=	340	
Lead	=	17.9	
Mercury	=	0.61	
Molybdenum	=	30.9	
Nickel	=	43.9	
Selenium	=	28.7	
Zinc	=	817	

Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.17	
Cadmium	=	7.4	
Copper	=	339	
Lead	=	17.7	
Mercury	=	0.59	
Nickel	=	43.6	
Selenium	=	28.5	
Zinc	=	811	

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	53600	

Compliance Monitoring Event No. 5 **Compliance Monitoring Period Start Date:** 09/01/2018 **Compliance Monitoring Period End Date:** 10/31/2018

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES ☑ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.6	
Cadmium	=	6.2	
Copper	=	354	
Lead	=	16	
Mercury	=	0.77	
Molybdenum	=	29.7	
Nickel	=	45.8	
Selenium	=	26.3	
Zinc	=	845	

Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	6.24	
Cadmium	=	6.2	
Copper	=	346	
Lead	=	15	
Mercury	=	0.66	
Nickel	=	45.4	
Selenium	=	25.7	
Zinc	=	797	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	57200	

Compliance Monitoring Event No. 6 **Compliance Monitoring Period Start Date:** 11/01/2018 **Compliance Monitoring Period End Date:** 12/31/2018

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES ☑ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	8.77	
Cadmium	=	7.3	
Copper	=	309	
Lead	=	14.9	
Mercury	=	0.77	
Molybdenum	=	25.2	
Nickel	=	48.4	
Selenium	=	29.9	
Zinc	=	752	

Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Arsenic	=	7.74	
Cadmium	=	6.6	
Copper	=	308	
Lead	=	14.5	
Mercury	=	0.64	
Nickel	=	46.5	
Selenium	=	27.7	
Zinc	=	745	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	53800	

Sludge Management - Surface Disposal

Sludge Management - Incineration

Sludge Management - Other Management Practice

ID: 007

Amount: 23346

Management Practice Detail: Other

Other Management Practice Detail Description: Composting

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler:

Facility Information:
NURSERY PRODUCTS HAWES COMPOSTING FACILITY
P.O. Box 1439
Helendale, CA 94342

Contact Information:
Brian Kelleher
Area Director
661-770-6620
bkelleher@synagro.com

Pathogen Class: Class A EQ

Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN

ID: 008

Amount: 16019

Management Practice Detail: Other

Other Management Practice Detail Description: Compost

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler: CAL000243

Facility Information:
LIBERTY COMPOSTING
P.O. Box 5
Lost Hills, CA 93249

Contact Information:
Patrick McCarthy
General Manager
661-797-2914
patrickmccarthy@libertyrecyc.com

Pathogen Class: Class A EQ

Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN

ID: 009

Amount: 18870

Management Practice Detail: Other

Other Management Practice Detail Description: Compost

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler: CAL000718

Facility Information:
SYNAGRO SOUTH KERN COMPOST MANUFACTURING
P.O. Box 265
Taft, CA 93268

Contact Information:
Brian Kelleher
Area Director
661-770-6620
bkelleher@synagro.com

Pathogen Class: Class A EQ

Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN

ID: 010

Amount: 18525

Management Practice Detail: Other

Other Management Practice Detail Description: Compost

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler:

Facility Information:
INLAND EMPIRE REGIONAL COMPOSTING FACILITY
P.O. Box 1439
Helendale, CA 94342

Contact Information:
Jeff Ziegenbein
Manager of Regional Composting Operation
909-993-1981
jziegenbein@jeua.com

Pathogen Class: Class A EQ

Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN

ID: 011

Amount: 7320

Management Practice Detail: Other

Other Management Practice Detail Description: Compost

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler: CAL034318

Facility Information:
TULARE LAKE COMPOST
34318 23rd ave.
Kettleman City, CA 93239

Contact Information:
Richard Kish
Compost Facility Superintendent
559-765-7072
richardkish@lacsd.org

Pathogen Class: Class A EQ

Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN

ID: 013

Amount: 15471

Management Practice Detail: Disposal in a Municipal Landfill (under 40 CFR 258)

Handler, Preparer, or Applier Type: Off-Site Third-Party Handler or Applier

NPDES ID of handler:

Facility Information:
H.M. Holloway Landfill
13850 Holloway Rd.
Lost Hills, CA 93249

Contact Information:
Chad Wright
Mine Superintendent
661-797-2320
cwright@hmhgypsum.com

Pathogen Class: Class B

Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN

Additional Information

Please enter any additional information that you would like to provide in the comment box below.

Additional Attachments

Name	Created Date	Size
2018 NANI_Data_JWPCP 2.pdf	02/19/2019 5:52 PM	485.60 KB
2018 Denali-LACSD Annual Report.pdf	02/19/2019 6:18 PM	1.22 MB

Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Signing an electronic document on behalf of another person is subject to criminal, civil, administrative, or other lawful action.

Certified By: Matthew J. Bao (MATTHEWBAO)

Certified On: 02/19/2019 6:53 PM

BIOSOLIDS MANAGEMENT PROGRAM
JWPCP Biosolids Cake -Total Metals Concentrations
mg/kg Dry Weight

Sample No.	Date	% TS	As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn	Al
18010300161	1/2/2018	28.5	7.32	6.2	93.2	355	16.7	0.88	23.6	44.2	26.2	780	6,470
18020700156	2/6/2018	27.8	7.22	4.9	100	339	18.6	0.53	22.4	41.6	24.7	780	-
18030700129	3/6/2018	28.8	6.94	5.6	100	326	17.0	0.24	26.3	39.7	28.9	712	-
18040400112	4/3/2018	28.2	6.79	6.2	117	306	15.3	0.24	28.5	38.7	23.6	688	6,740
18050200160	5/1/2018	28.8	6.51	6.4	102	316	16.6	0.56	25.2	41.9	24.1	737	-
18060600114	6/5/2018	28.6	6.39	6.9	101	326	16.7	1.8	25.2	40.7	25.1	785	-
18071100273	7/10/2018	28.3	7.39	7.6	107	340	17.4	0.61	28.5	43.9	28.3	817	6,110
18080800108	8/7/2018	27.8	6.95	7.2	111	337	17.9	0.56	30.9	43.3	28.7	804	-
18090500259	9/4/2018	28.0	5.87	6.2	95.6	338	16.0	0.77	29.7	44.9	25.0	749	-
18100300283	10/2/2018	28.3	6.60	6.1	81.3	354	13.9	0.55	27.7	45.8	26.3	845	8,950
18110700266	11/6/2018	28.4	6.71	5.8	97.6	306	14.1	0.51	25.2	44.6	25.5	752	-
18120500276	12/4/2018	28.6	8.77	7.3	97.8	309	14.9	0.77	25.2	48.4	29.9	738	-
MEAN		**28.3**	**6.96**	**6.4**	**100**	**329**	**16.3**	**0.67**	**26.5**	**43.1**	**26.4**	**766**	**7,070**
MAX			**8.77**	**7.6**	**117**	**355**	**18.6**	**1.8**	**30.9**	**48.4**	**29.9**	**845**	**8,950**
TABLE 1 LIMITS		****	**75**	**85**	****	**4,300**	**840**	**57**	**75**	**420**	**100**	**7,500**	****
TABLE 3 LIMITS		****	**41**	**39**	****	**1,500**	**300**	**17**	****	**420**	**100**	**2,800**	****

Sample No.	Date	% TS	Sb	Ba	Be	Co	Fe	Mn	K	Ag	Tl	Sn	V
18010300161	1/2/2018	28.5	3.6	1,050	0.087	6.3	91,000	215	1,000	3.9	< 0.10	57.2	40.3
18020700156	2/6/2018	27.8	-	-	-	-	-	-	-	-	-	-	-
18030700129	3/6/2018	28.8	-	-	-	-	-	-	-	-	-	-	-
18040400112	4/3/2018	28.2	2.8	1,170	0.058	5.8	90,100	220	876	3.0	< 0.10	44.5	38.3
18050200160	5/1/2018	28.8	-	-	-	-	-	-	-	-	-	-	-
18060600114	6/5/2018	28.6	-	-	-	-	-	-	-	-	-	-	-
18071100273	7/10/2018	28.3	4.7	1,240	0.088	7.1	96,500	229	988	3.2	< 0.10	47.0	47.7
18080800108	8/7/2018	27.8	-	-	-	-	-	-	-	-	-	-	-
18090500259	9/4/2018	28.0	-	-	-	-	-	-	-	-	-	-	-
18100300283	10/2/2018	28.3	4.3	1,040	0.070	6.6	109,000	210	900	2.9	< 0.10	63.9	68.9
18110700266	11/6/2018	28.4	-	-	-	-	-	-	-	-	-	-	-
18120500276	12/4/2018	28.6	-	-	-	-	-	-	-	-	-	-	-
MEAN		**28.3**	**3.8**	**1,130**	**0.076**	**6.4**	**96,700**	**219**	**941**	**3.3**	**ND**	**53.2**	**48.8**
MAX			**4.7**	**1,240**	**0.088**	**7.1**	**109,000**	**229**	**1,000**	**3.9**	**ND**	**63.9**	**68.9**

\ = No limit
ND = Not Detected
-- = No Sample
Statistics use detected values only

BIOSOLIDS MANAGEMENT PROGRAM
JWPCP Biosolids Cake -Total Metals Concentrations
Bi-Monthly Averages and Maximums
mg/kg Dry Weight

Sample No.	Date	As	As Bi-Monthly Avg	As Bi-Monthly Max	Cd	Cd Bi-Monthly Avg	Cd Bi-Monthly Max	Cu	Cu Bi-Monthly Avg	Cu Bi-Monthly Max	Pb	Pb Bi-Monthly Avg	Pb Bi-Monthly Max	Hg	Hg Bi-Monthly Avg	Hg Bi-Monthly Max
18010300161	1/2/2018	7.32	7.27	7.32	6.2	5.6	6.2	355	347	355	16.7	17.7	18.6	0.88	0.71	0.88
18020700156	2/6/2018	7.22			4.9			339			18.6			0.53		
18030700129	3/6/2018	6.94	6.87	6.94	5.6	5.9	6.2	326	316	326	17.0	16.2	17.0	0.24	0.24	0.24
18040400112	4/3/2018	6.79			6.2			306			15.3			0.24		
18050200160	5/1/2018	6.51	6.45	6.51	6.4	6.7	6.9	316	321	326	16.6	16.7	16.7	0.56	1.18	1.80
18060600114	6/5/2018	6.39			6.9			326			16.7			1.8		
18071100273	7/10/2018	7.39	7.17	7.39	7.6	7.4	7.6	340	339	340	17.4	17.7	17.9	0.61	0.59	0.61
18080800108	8/7/2018	6.95			7.2			337			17.9			0.56		
18090500259	9/4/2018	5.87	6.24	6.60	6.2	6.2	6.2	338	346	354	16.0	15.0	16.0	0.77	0.66	0.77
18100300283	10/2/2018	6.60			6.1			354			13.9			0.55		
18110700266	11/6/2018	6.71	7.74	8.77	5.8	6.6	7.3	306	308	309	14.1	14.5	14.9	0.51	0.64	0.77
18120500276	12/4/2018	8.77			7.3			309			14.9			0.77		
MEAN		**6.96**			**6.4**			**329**			**16.3**			**0.67**		
MAX		**8.77**			**7.6**			**355**			**18.6**			**1.8**		
TABLE 1 LIMITS		**75**			**85**			**4,300**			**840**			**57**		
TABLE 3 LIMITS		**41**			**39**			**1,500**			**300**			**17**		

Sample No.	Date	Mo	Mo Bi-Monthly Avg	Mo Bi-Monthly Max	Ni	Ni Bi-Monthly Avg	Ni Bi-Monthly Max	Se	Se Bi-Monthly Avg	Se Bi-Monthly Max	Zn	Zn Bi-Monthly Avg	Zn Bi-Monthly Max
18010300161	1/2/2018	23.6	23.0	23.6	44.2	42.9	44.2	26.2	25.5	26.2	780	780	780
18020700156	2/6/2018	22.4			41.6			24.7			780		
18030700129	3/6/2018	26.3	27.4	28.5	39.7	39.2	39.7	28.9	26.3	28.9	712	700	712
18040400112	4/3/2018	28.5			38.7			23.6			688		
18050200160	5/1/2018	25.2	25.2	25.2	41.9	41.3	41.9	24.1	24.6	25.1	737	761	785
18060600114	6/5/2018	25.2			40.7			25.1			785		
18071100273	7/10/2018	28.5	29.7	30.9	43.9	43.6	43.9	28.3	28.5	28.7	817	811	817
18080800108	8/7/2018	30.9			43.3			28.7			804		
18090500259	9/4/2018	29.7	28.7	29.7	44.9	45.4	45.8	25.0	25.7	26.3	749	797	845
18100300283	10/2/2018	27.7			45.8			26.3			845		
18110700266	11/6/2018	25.2	25.2	25.2	44.6	46.5	48.4	25.5	27.7	29.9	752	745	752
18120500276	12/4/2018	25.2			48.4			29.9			738		
MEAN		**26.5**			**43.1**			**26.4**			**766**		
MAX		**30.9**			**48.4**			**29.9**			**845**		
TABLE 1 LIMITS		**75**			**420**			**100**			**7,500**		
TABLE 3 LIMITS		\			**420**			**100**			**2,800**		

BIOSOLIDS MANAGEMENT PROGRAM
JWPCP Biosolids Cake - Nutrients and Miscellaneous Constituents
mg/kg Dry Weight (or as indicated)

Sample No.	Date	% TS	Sulfur	PO_4	NH_3-N	Org-N	NO_3-N	NO_2-N	Boron	Paint FilterTest (ml/100 g)	pH	Fecal Coliform (MPN/g)	TKN	TN*	TN Bi-Monthly Ave
18010300161	1/2/2018	28.5	29,600	83,800	5,700	51,800	< 139	4.96	23.6	< 1.0	8.2	32,000,000	57,500	57,600	-
18020700156	2/6/2018	27.8	28,200	-	5,790	50,300	< 144	3.61	-	-	-	-	56,100	56,200	56,900
18030700129	3/6/2018	28.8	28,300	-	5,620	48,900	< 139	3.61	-	-	-	-	54,500	54,600	-
18040400112	4/3/2018	28.2	29,000	85,800	5,740	49,900	< 142	< 3.55	20.1	< 1.0	8.2	-	55,700	55,700	55,200
18050200160	5/1/2018	28.8	30,500	-	3,910	50,700	< 139	5.86	-	-	-	-	54,600	54,700	-
18060600114	6/5/2018	28.6	33,300	-	5,380	48,700	< 140	< 3.49	-	-	-	-	54,100	54,200	54,500
18071100273	7/10/2018	28.3	35,200	72,000	5,220	46,300	< 141	< 3.54	24.5	< 1.0	8.0	190,000,000	51,500	51,600	-
18080800108	8/7/2018	27.8	30,700	-	6,710	48,800	< 144	< 3.60	-	-	-	-	55,500	55,600	53,600
18090500259	9/4/2018	28.0	30,300	-	6,320	49,900	< 143	< 3.57	-	-	-	-	56,200	56,300	-
18100300283	10/2/2018	28.3	33,700	81,600	5,900	52,000	< 142	3.79	27.7	< 1.0	8.1	-	57,900	58,000	57,200
18110700266	11/6/2018	28.4	34,300	-	4,970	49,400	< 141	5.50	-	-	-	-	54,400	54,400	-
18120500276	12/4/2018	28.6	37,100	-	5,550	47,500	< 139	3.83	-	-	-	-	53,100	53,100	53,800
MEAN		**28.3**	**31,700**	**80,800**	**5,570**	**49,500**	**ND**	**4.45**	**24.0**	**ND**	**8.1**	**110,000,000**	**55,100**	**55,200**	**---**
MAX		**---**	**37,100**	**85,800**	**6,710**	**52,000**	**ND**	**5.86**	**27.7**	**ND**	**8.2**	**190,000,000**	**57,900**	**58,000**	**---**

ND = Not Detected
- = No Sample
Statistics use detected values only.

* = TN calculation is the sum of Org-N, NH_3-N, NO_3-N, and NO_2-N; uses half the NO_3-N result if the result was non-detect, as shown by the "<".

4th Quarter BIOSOLIDS MANAGEMENT PROGRAM
JWPCP Biosolids Cake - Soluble Metals Concentrations - mg/L
Analyzed by California Title 22 Waste Extraction Test

Sample No.	Date	Al	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe
18010300164	1/2/2018	132	0.05	0.09	23.3	< 0.01	< 0.005	1.10	0.095	< 0.10	2,250
18040400114	4/3/2018	128	0.05	0.14	22.5	< 0.01	< 0.005	1.12	0.087	< 0.10	2,160
18071100276	7/10/2018	108	0.05	0.09	25.8	< 0.01	< 0.005	1.19	0.11	< 0.10	2,340
18100300285	10/2/2018	151	0.05	0.09	23.8	< 0.01	< 0.005	1.12	0.12	< 0.10	2,360
MEAN		**130**	**0.05**	**0.10**	**23.9**	**ND**	**ND**	**1.13**	**0.10**	**ND**	**2,280**
MAX		**151**	**0.05**	**0.14**	**25.8**	**ND**	**ND**	**1.19**	**0.12**	**ND**	**2,360**
TITLE 22 STLCs		****	**15**	**5.0**	**100**	**0.75**	**1**	**5**	**80**	**25**	****

Sample No.	Date	Pb	Hg	Mo	Ni	K*	Se	Ag	Tl	Sn	V	Zn
18010300164	1/2/2018	0.04	< 0.0005	0.25	< 1.0	< 50.0	0.02	< 0.02	< 0.040	< 0.04	0.79	8.34
18040400114	4/3/2018	0.07	< 0.0015	0.39	< 1.0	< 50.0	0.02	< 0.02	< 0.040	< 0.04	0.75	9.29
18071100276	7/10/2018	0.02	< 0.0011	0.31	< 1.0	< 50.0	0.03	< 0.02	< 0.040	< 0.04	0.87	7.58
18100300285	10/2/2018	0.02	< 0.0010	0.30	< 1.0	< 50.0	0.03	< 0.02	< 0.040	0.05	1.36	6.69
MEAN		**0.04**	**ND**	**0.31**	**ND**	**ND**	**0.03**	**ND**	**ND**	**0.05**	**0.94**	**8.00**
MAX		**0.07**	**ND**	**0.39**	**ND**	**ND**	**0.03**	**ND**	**ND**	**0.05**	**1.36**	**9.29**
TITLE 22 STLCs		**5.0**	**0.2**	**350**	**20**	****	**1.0**	**5**	**7.0**	****	**24**	**250**

ND = Not Detected
\ = No Limit
Statistics use detected values only.
* = Previous January, April, and July data were reported in incorrect units.

2018 BIOSOLIDS MANAGEMENT PROGRAM

JWPCP Digester Performance

Month	Temp (°F)	Detention Time (Days)	VSD (%)	VSD Bi-Monthly Avg (%)
January	96.1	19	51	-
February	96.0	19	52	52
March	96.2	19	52	-
April	96.3	19	52	52
May	96.2	18	52	-
June	96.2	19	50	51
July	96.3	18	49	-
August	96.2	19	47	48
September	96.1	18	50	-
October	96.2	19	53	52
November	96.1	19	53	-
December	96.0	20	54	54
MEAN	**96.2**	**19**	**51**	**-**
MIN	**96.0**	**18**	**47**	**-**

Semi-Annual JWPCP Biosolids Cake
Detected Priority Pollutants
mg/kg on a Dry Weight Basis

Date	1/2/18	7/10/18
Sample Numbers	18010300161	18071100273
	18010300162	18071100274
Constituent	**Result (mg/kg)**	**Result (mg/kg)**
Arsenic	7.32	7.39
Cadmium	6.2	7.6
Chromium	93.2	107
Copper	355	340
Lead	16.7	17.4
Mercury	0.88	0.61
Nickel	44.2	43.9
Selenium	26.2	28.3
Silver	3.9	3.2
Zinc	780	817
Antimony	3.6	70.7
Diethylhexyl Phthalate	0.3	0.3

JWPCP BIOSOLIDS CAKE
2018 SEMI - ANNUAL 24-HOUR COMPOSITE SAMPLES

Sample Numbers	18010300161	18071100273	
	18010300162	18071100274	
Sample Date:	**1/2/2018**	**7/10/2018**	**Dry Weight**
Description	**Result**	**Result**	**Unit of Measure**
1,1,1-TRICHLOROETHANE	< 1.80	< 1.80	MG/KG
1,1,2,2-TETRACHLOROETHANE	< 1.80	< 1.80	MG/KG
1,1,2-TRICHLOROETHANE	< 1.80	< 1.80	MG/KG
1,1-DICHLOROETHANE	< 1.80	< 1.80	MG/KG
1,1-DICHLOROETHENE	< 1.80	< 1.80	MG/KG
1,2,4-TRICHLOROBENZENE	< 34.9	< 35.4	MG/KG
1,2-DICHLOROBENZENE	< 34.9	< 35.4	MG/KG
1,2-DICHLOROETHANE	< 1.80	< 1.80	MG/KG
1,2-DICHLOROPROPANE	< 1.80	< 1.80	MG/KG
1,2-DIPHENYLHYDRAZINE	< 34.9	< 35.4	MG/KG
1,3-DICHLOROBENZENE	< 34.9	< 35.4	MG/KG
1,4-DICHLOROBENZENE	< 34.9	< 35.4	MG/KG
2,3,7,8-TCDD	< 7.1	< 6.9	NG/KG
2,4,5-TP(SILVEX)	< 130.0	< 6.6	MG/KG
2,4,6-TRICHLOROPHENOL	< 34.9	< 35.4	MG/KG
2,4-D(ACID)	< 130.0	< 6.6	MG/KG
2,4-DICHLOROPHENOL	< 34.9	< 35.4	MG/KG
2,4-DIMETHYLPHENOL	< 34.9	< 35.4	MG/KG
2,4-DINITROPHENOL	< 69.8	< 35.4	MG/KG
2,4-DINITROTOLUENE	< 34.9	< 35.4	MG/KG
2,6-DINITROTOLUENE	< 34.9	< 35.4	MG/KG
2-CHLOROETHYLVINYLETHER	< 1.80	< 1.80	MG/KG
2-CHLORONAPHTHALENE	< 34.9	< 35.4	MG/KG
2-CHLOROPHENOL	< 34.9	< 35.4	MG/KG
2-METHYL-4,6DINITROPHENOL	< 34.9	< 35.4	MG/KG
2-NITROPHENOL	< 34.9	< 35.4	MG/KG
3,3'-DICHLOROBENZIDINE	< 69.8	< 70.7	MG/KG
4-BROMOPHENYL PHENYLETHER	< 34.9	< 35.4	MG/KG
4-CHLORO-3-METHYLPHENOL	< 34.9	< 35.4	MG/KG
4-CHLOROPHENYLPHENYLETHER	< 34.9	< 35.4	MG/KG
4-NITROPHENOL	< 69.8	< 70.7	MG/KG
ACENAPHTHENE	< 34.9	< 35.4	MG/KG
ACENAPHTHYLENE	< 34.9	< 35.4	MG/KG
ACROLEIN	< 1.80	< 1.80	MG/KG
ACRYLONITRILE	< 1.80	< 1.80	MG/KG
ALDRIN	< 0.050	< 0.050	MG/KG
ALPHA-BHC	< 0.025	< 0.025	MG/KG
ALUMINUM	6,470	6,110	MG/KG AL
ANTHRACENE	< 34.9	< 35.4	MG/KG
ANTIMONY	3.6	4.7	MG/KG SB
AROCLOR 1016	< 0.200	< 0.200	MG/KG
AROCLOR 1221	< 0.300	< 0.300	MG/KG
AROCLOR 1232	< 0.300	< 0.300	MG/KG
AROCLOR 1242	< 0.300	< 0.300	MG/KG
AROCLOR 1248	< 0.150	< 0.150	MG/KG
AROCLOR 1254	< 0.200	< 0.200	MG/KG
AROCLOR 1260	< 0.150	< 0.150	MG/KG
ARSENIC	7.32	7.39	MG/KG AS
BARIUM	1,050	1,240	MG/KG BA
BENZENE	< 1.80	< 1.80	MG/KG
BENZIDINE	< 174	< 177	MG/KG
BENZO(A)ANTHRACENE	< 34.9	< 35.4	MG/KG
BENZO(A)PYRENE	< 34.9	< 35.4	MG/KG
BENZO(B)FLUORANTHENE	< 34.9	< 35.4	MG/KG
BENZO(G.H.I.)PERYLENE	< 34.9	< 35.4	MG/KG
BENZO(K)FLUORANTHENE	< 34.9	< 35.4	MG/KG
BERYLLIUM	0.087	0.088	MG/KG BE
BETA-BHC	< 0.025	< 0.025	MG/KG

JWPCP BIOSOLIDS CAKE
2018 SEMI - ANNUAL 24-HOUR COMPOSITE SAMPLES

Sample Numbers	18010300161	18071100273	
	18010300162	18071100274	
Sample Date:	**1/2/2018**	**7/10/2018**	**Dry Weight**
Description	**Result**	**Result**	**Unit of Measure**
BIS(2-CHLOROETHYL)ETHER	< 34.9	< 35.4	MG/KG
BIS(2-CL-ETHOXY)METHANE	< 34.9	< 35.4	MG/KG
BIS(2-CL-ISOPROPYL)ETHER	< 34.9	< 35.4	MG/KG
BROMODICHLOROMETHANE	< 1.80	< 1.80	MG/KG
BROMOFORM	< 1.80	< 1.80	MG/KG
BROMOMETHANE	< 6.80	< 3.00	MG/KG
BUTYLBENZYL PHTHALATE	< 34.9	< 35.4	MG/KG
CADMIUM	6.2	7.6	MG/KG CD
CARBON TETRACHLORIDE	< 1.80	< 1.80	MG/KG
CHLOROBENZENE	< 1.80	< 1.80	MG/KG
CHLOROETHANE	< 1.80	< 1.80	MG/KG
CHLOROFORM	< 1.80	< 1.80	MG/KG
CHLOROMETHANE	< 1.80	< 1.80	MG/KG
CHRYSENE	< 34.9	< 35.4	MG/KG
CIS-1,3-DICHLOROPROPENE	< 1.80	< 1.80	MG/KG
COBALT	6.31	7.10	MG/KG CO
COPPER	355	340	MG/KG CU
DELTA-BHC	< 0.025	< 0.025	MG/KG
DIBENZO(A,H)ANTHRACENE	< 34.9	< 35.4	MG/KG
DIBROMOCHLOROMETHANE	< 1.80	< 1.80	MG/KG
DIELDRIN	< 0.025	< 0.025	MG/KG
DIETHYL PHTHALATE	< 34.9	< 35.4	MG/KG
DIETHYLHEXYL PHTHALATE	78.8	49.5	MG/KG
DIMETHYL PHTHALATE	< 34.9	< 35.4	MG/KG
DI-N-BUTYL PHTHALATE	< 34.9	< 35.4	MG/KG
DI-N-OCTYL PHTHALATE	< 34.9	< 35.4	MG/KG
ENDOSULFAN I	< 0.025	< 0.025	MG/KG
ENDOSULFAN II	< 0.025	< 0.025	MG/KG
ENDOSULFAN SULFATE	< 0.025	< 0.025	MG/KG
ENDRIN	< 0.025	< 0.025	MG/KG
ENDRIN ALDEHYDE	< 0.250	< 0.250	MG/KG
ETHYL BENZENE	< 1.80	< 1.80	MG/KG
FLUORANTHENE	< 34.9	< 35.4	MG/KG
FLUORENE	< 34.9	< 35.4	MG/KG
FREON 11	< 1.80	< 1.80	MG/KG
FREON 12	< 1.80	< 1.80	MG/KG
HEPTACHLOR	< 0.025	< 0.025	MG/KG
HEPTACHLOR EPOXIDE	< 0.025	< 0.025	MG/KG
HEXACHLOROBENZENE	< 34.9	< 35.4	MG/KG
HEXACHLOROBUTADIENE	< 34.9	< 35.4	MG/KG
HEXACHLOROCYCLOPENTADIENE	< 69.8	< 70.7	MG/KG
HEXACHLOROETHANE	< 34.9	< 35.4	MG/KG
INDENO(1,2,3-C,D)PYRENE	< 34.9	< 35.4	MG/KG
IRON	91,000	96,500	MG/KG FE
ISOPHORONE	< 34.9	< 35.4	MG/KG
LEAD	16.7	17.4	MG/KG PB
LINDANE (GAMMA-BHC)	< 0.025	< 0.025	MG/KG
M+P CRESOL	< 69.8	< 70.7	MG/KG
MALATHION	< 17.0	< 15.0	MG/KG
MANGANESE	215	229	MG/KG MN
M-DICHLOROBENZENE	< 1.80	< 1.80	MG/KG
MERCURY	0.88	0.61	MG/KG HG
METHOXYCLOR	< 0.025	< 0.025	MG/KG
METHYLENE CHLORIDE	< 1.80	< 1.80	MG/KG
MIREX	< 0.025	< 0.025	MG/KG
MOLYBDENUM	23.6	28.5	MG/KG MO
NAPHTHALENE	< 34.9	< 35.4	MG/KG

JWPCP BIOSOLIDS CAKE
2018 SEMI - ANNUAL 24-HOUR COMPOSITE SAMPLES

Sample Numbers	18010300161	18071100273	
	18010300162	18071100274	
Sample Date:	**1/2/2018**	**7/10/2018**	**Dry Weight**
Description	**Result**	**Result**	**Unit of Measure**
NICKEL	44.2	43.9	MG/KG NI
NITROBENZENE	< 34.9	< 35.4	MG/KG
N-NITROSODIMETHYLAMINE	< 34.9	< 35.4	MG/KG
N-NITROSODI-N-PROPYLAMINE	< 34.9	< 35.4	MG/KG
N-NITROSODIPHENYLAMINE	< 34.9	< 35.4	MG/KG
O-CRESOL	< 69.8	< 70.7	MG/KG
O-DICHLOROBENZENE	< 1.80	< 1.80	MG/KG
OP'-DDD	0.027	< 0.025	MG/KG
OP'-DDE	< 0.025	< 0.025	MG/KG
OP'-DDT	< 0.025	< 0.025	MG/KG
P-DICHLOROBENZENE	< 1.80	< 1.80	MG/KG
PENTACHLOROPHENOL	< 69.8	< 70.7	MG/KG
PH	8.2	8.0	PH
PHENANTHRENE	< 34.9	< 35.4	MG/KG
PHENOL	< 34.9	< 35.4	MG/KG
POTASSIUM	1,000	988	MG/KG K
PP'-DDD	< 0.025	< 0.025	MG/KG
PP'-DDE	< 0.025	< 0.025	MG/KG
PP'-DDT	< 0.025	< 0.025	MG/KG
PYRENE	< 34.9	< 35.4	MG/KG
PYRIDINE	< 34.9	< 35.4	MG/KG
SELENIUM	26.2	28.3	MG/KG SE
SILVER	3.9	3.2	MG/KG AG
TECHNICAL CHLORDANE	< 0.150	< 0.150	MG/KG
TETRACHLOROETHYLENE	< 1.80	< 1.80	MG/KG
THALLIUM	< 0.10	< 0.10	MG/KG TL
TIN	57.2	47.0	MG/KG SN
TOLUENE	< 1.80	< 1.80	MG/KG
TOTAL CHROMIUM	93.2	107	MG/KG CR
TOTAL CYANIDE	0.65	5.38	MG/KG CN
TOTAL DETECTED PESTICIDES	0.027	< ND	MG/KG
TOTAL SOLIDS	28.5	28.3	%
TOXAPHENE	< 0.350	< 0.350	MG/KG
TRANS-1,2-DICHLOROETHYLENE	< 1.80	< 1.80	MG/KG
TRANS-1,3-DICHLOROPROPENE	< 1.80	< 1.80	MG/KG
TRICHLOROETHYLENE	< 1.80	< 1.80	MG/KG
VANADIUM	40.3	47.7	MG/KG V
VINYL CHLORIDE	< 1.80	< 1.80	MG/KG
ZINC	780	28	MG/KG ZN

ND = None Detected

Lancaster WRP Influent Monitoring

Lancaster Water Reclamation Plant
2018 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L				ND						
1,1-Dichloroethene	ug/L				ND						
1,1,1-Trichloroethane	ug/L				ND						
1,1,2-Trichloroethane	ug/L				ND						
1,1,2,2-Tetrachloroethane	ug/L				ND						
1,2-Dichlorobenzene	ug/L				ND						
1,2-Dichloroethane	ug/L				ND						
1,2-Dichloropropane	ug/L				ND						
1,2-Diphenylhydrazine	ug/L				ND						
1,2,4-Trichlorobenzene	ug/L				ND						
1,3-Dichlorobenzene	ug/L				ND						
1,4-Dichlorobenzene	ug/L				ND						
2-Chloroethyl vinyl ether (mixed)	ug/L				ND						
2-Chloronaphthalene	ug/L				ND						
2-Chlorophenol	ug/L				ND						
2-Methyl-4,6-dinitrophenol	ug/L				ND						
2-Nitrophenol	ug/L				ND						
2,4-Dichlorophenol	ug/L				ND						
2,4-Dimethylphenol	ug/L				ND						
2,4-Dinitrophenol	ug/L				ND						
2,4-Dinitrotoluene	ug/L				ND						
2,4,6-Trichlorophenol	ug/L				ND						
2,6-Dinitrotoluene	ug/L				ND						
3-Methyl-4-chlorophenol	ug/L				ND						
3,3'-Dichlorobenzidine	ug/L				ND						
4-Bromophenyl phenyl ether	ug/L				ND						
4-Chlorophenyl phenyl ether	ug/L				ND						
4-Nitrophenol	ug/L				ND						
4,4'-DDD	ug/L				ND						
4,4'-DDE	ug/L				ND						
4,4'-DDT	ug/L				ND						
Acenaphthene	ug/L				ND						
Acenaphthylene	ug/L				ND						
Acrolein	ug/L				ND						
Acrylonitrile	ug/L				ND						
Aldrin	ug/L				ND						
alpha-BHC	ug/L				ND						
Aluminum	mg/L				0.569						
Ammonia as nitrogen	mg/L	36.8			34.0			33.0			26.6
Anthracene	ug/L				ND						
Antimony	mg/L				0.00080						
Aroclor 1016	ug/L				ND						
Aroclor 1221	ug/L				ND						
Aroclor 1232	ug/L				ND						
Aroclor 1242	ug/L				ND						
Aroclor 1248	ug/L				ND						
Aroclor 1254	ug/L				ND						
Aroclor 1260	ug/L				ND						
Arsenic	mg/L				0.00354						
Barium	mg/L				0.0559						
Benzene	ug/L				ND						
Benzidine	ug/L				ND						
Benzo(a)anthracene	ug/L				ND						
Benzo(a)pyrene	ug/L				ND						
Benzo(b)fluoranthene	ug/L				ND						
Benzo(g,h,i)perylene	ug/L				ND						
Benzo(k)fluoranthene	ug/L				ND						
Beryllium	mg/L				ND						
beta-BHC	ug/L				ND						
bis(2-Chloroethoxy) methane	ug/L				ND						
bis(2-Chloroethyl) ether	ug/L				ND						
bis(2-Chloroisopropyl) ether	ug/L				ND						

Lancaster Water Reclamation Plant
2018 Influent Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L			ND	ND	ND	EPA 624	1	0.22	0.50
1,1-Dichloroethene	ug/L			ND	ND	ND	EPA 624	2	0.43	0.50
1,1,1-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.17	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.24	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND	EPA 624	1	0.13	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.18	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.22	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND	EPA 624	1	0.11	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND	EPA 625	1	0.20	20.0
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND	EPA 625	5	0.19	100
1,3-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.21	0.50
1,4-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.18	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND	EPA 624	1	0.29	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND	EPA 625	10	0.13	200
2-Chlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.18	100
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND	EPA 625	5	0.92	100
2-Nitrophenol	ug/L			ND	ND	ND	EPA 625	10	0.10	200
2,4-Dichlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.63	100
2,4-Dimethylphenol	ug/L			ND	ND	ND	EPA 625	2	0.88	40.0
2,4-Dinitrophenol	ug/L			ND	ND	ND	EPA 625	5	2.8	100
2,4-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625	5	0.27	100
2,4,6-Trichlorophenol	ug/L			ND	ND	ND	EPA 625	10	0.21	200
2,6-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625	5	0.28	100
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND	EPA 625	1	0.44	20.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND	EPA 625	5	0.81	100
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625	5	0.27	100
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625	5	0.32	100
4-Nitrophenol	ug/L			ND	ND	ND	EPA 625	10	1.3	200
4,4'-DDD	ug/L			ND	ND	ND	EPA 608	0.05	0.001	0.05
4,4'-DDE	ug/L			ND	ND	ND	EPA 608	0.05	0.001	0.05
4,4'-DDT	ug/L			ND	ND	ND	EPA 608	0.01	0.003	0.05
Acenaphthene	ug/L			ND	ND	ND	EPA 625	1	0.22	20.0
Acenaphthylene	ug/L			ND	ND	ND	EPA 625	10	0.19	200
Acrolein	ug/L			ND	ND	ND	EPA 624		0.93	2.0
Acrylonitrile	ug/L			ND	ND	ND	EPA 624		0.79	2.0
Aldrin	ug/L			ND	ND	ND	EPA 608	0.005	0.0009	0.02
alpha-BHC	ug/L			ND	ND	ND	EPA 608	0.01	0.002	0.05
Aluminum	mg/L			0.569	0.569	0.569	EPA 200.8		0.00195	0.0100
Ammonia as nitrogen	mg/L			26.6	32.6	36.8	SM 4500 NH3 G		0.020	3.00 - 5.00
Anthracene	ug/L			ND	ND	ND	EPA 625	10	0.19	200
Antimony	mg/L			0.00080	0.00080	0.00080	EPA 200.8	0.0005	0.00032	0.00050
Aroclor 1016	ug/L			ND	ND	ND	EPA 608	0.5	0.02	0.5
Aroclor 1221	ug/L			ND	ND	ND	EPA 608	0.5	0.2	2.5
Aroclor 1232	ug/L			ND	ND	ND	EPA 608	0.5	0.09	1.5
Aroclor 1242	ug/L			ND	ND	ND	EPA 608	0.5	0.02	0.5
Aroclor 1248	ug/L			ND	ND	ND	EPA 608	0.5	0.02	0.5
Aroclor 1254	ug/L			ND	ND	ND	EPA 608	0.5	0.01	0.2
Aroclor 1260	ug/L			ND	ND	ND	EPA 608	0.5	0.01	0.5
Arsenic	mg/L			0.00354	0.00354	0.00354	EPA 200.8	0.002	0.00014	0.00100
Barium	mg/L			0.0559	0.0559	0.0559	EPA 200.8		0.00008	0.00050
Benzene	ug/L			ND	ND	ND	EPA 624	2	0.11	0.50
Benzidine	ug/L			ND	ND	ND	EPA 625	5	1.8	100
Benzo(a)anthracene	ug/L			ND	ND	ND	EPA 625	5	0.14	100
Benzo(a)pyrene	ug/L			ND	ND	ND	EPA 625	10	0.19	200
Benzo(b)fluoranthene	ug/L			ND	ND	ND	EPA 625	10	0.22	200
Benzo(g,h,i)perylene	ug/L			ND	ND	ND	EPA 625	5	0.12	100
Benzo(k)fluoranthene	ug/L			ND	ND	ND	EPA 625	10	0.19	200
Beryllium	mg/L			ND	ND	ND	EPA 200.8	0.0005	0.000030	0.00025
beta-BHC	ug/L			ND	ND	ND	EPA 608	0.005	0.002	0.02
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND	EPA 625	5	0.11	100
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND	EPA 625	1	0.20	20.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND	EPA 625	2	0.20	40.0

Lancaster Water Reclamation Plant
2018 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
bis(2-Ethylhexyl) phthalate	ug/L				DNQ Est. Conc. 5.6						
Bromodichloromethane	ug/L				DNQ Est. Conc. 0.46						
Bromoform	ug/L				0.54						
Butyl benzyl phthalate	ug/L				ND						
Cadmium	mg/L				DNQ Est. Conc. 0.00015						
Calcium	mg/L				37.6						
Carbon tetrachloride	ug/L				ND						
Chemical oxygen demand (COD)	mg/L	719	674	672	741	638	578	603	555	607	547
Chloride	mg/L		93.0		80.0			103			136
Chlorobenzene	ug/L				ND						
Chlorodibromomethane	ug/L				0.72						
Chloroethane	ug/L				ND						
Chloroform	ug/L				2.0						
Chromium VI	mg/L				0.00013						
Chromium, total	mg/L				0.00853						
Chrysene	ug/L				ND						
cis-1,3-Dichloropropene	ug/L				ND						
Cobalt	mg/L				0.00037						
Copper	mg/L				0.0571						
delta-BHC	ug/L				ND						
Di-n-butyl phthalate	ug/L				ND						
Di-n-octyl phthalate	ug/L				ND						
Dibenzo(a,h)anthracene	ug/L				ND						
Dibromoacetic acid	ug/L				ND						
Dichloroacetic acid	ug/L				4.6						
Dieldrin	ug/L				ND						
Diesel range organics	ug/L				12200						
Diethyl phthalate	ug/L				ND						
Dimethyl phthalate	ug/L				ND						
Endosulfan II	ug/L				ND						
Endosulfan I	ug/L				ND						
Endosulfan sulfate	ug/L				ND						
Endrin aldehyde	ug/L				ND						
Endrin	ug/L				ND						
Ethylbenzene	ug/L				DNQ Est. Conc. 0.12						
Fluoranthene	ug/L				ND						
Fluorene	ug/L				ND						
gamma-BHC (Lindane)	ug/L				ND						
Gasoline range organics	ug/L				DNQ Est. Conc. 40						
Heptachlor epoxide	ug/L				ND						
Heptachlor	ug/L				ND						
Hexachlorobenzene	ug/L				ND						
Hexachlorobutadiene	ug/L				ND						
Hexachlorocyclopentadiene	ug/L				ND						
Hexachloroethane	ug/L				ND						
Indeno (1,2,3-cd) pyrene	ug/L				ND						
Iron	mg/L				0.66						
Isophorone	ug/L				ND						
Lead	mg/L				0.00113						
m+p-Xylenes	ug/L				ND						
Magnesium	mg/L				9.2						
Manganese	mg/L				0.0272						
Mercury	mg/L				0.00019						
Methyl bromide (Bromomethane)	ug/L				ND						
Methyl chloride (Chloromethane)	ug/L				ND						
Methyl tert-butyl ether (MTBE)	ug/L				ND						
Methylene chloride	ug/L				0.80						
Molybdenum	mg/L				0.00427						
Monobromoacetic acid	ug/L				ND						
Monochloroacetic acid	ug/L				2.4						
n-Nitrosodi-n-propylamine	ug/L				ND						
n-Nitrosodimethylamine (NDMA)	ug/L				0.036						

Lancaster Water Reclamation Plant
2018 Influent Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
bis(2-Ethylhexyl) phthalate	ug/L			DNQ Est. Conc. 5.6	ND	DNQ Est. Conc. 5.6	EPA 625	5	0.16	40.0
Bromodichloromethane	ug/L			DNQ Est. Conc. 0.46	ND	DNQ Est. Conc. 0.46	EPA 624	2	0.14	0.50
Bromoform	ug/L			0.54	0.54	0.54	EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.12	200
Cadmium	mg/L			DNQ Est. Conc. 0.00015	ND	DNQ Est. Conc. 0.00015	EPA 200.8	0.00025	0.000031	0.00020
Calcium	mg/L			37.6	37.6	37.6	EPA 200.8		0.004	0.020
Carbon tetrachloride	ug/L			ND	ND	ND	EPA 624	2	0.17	0.50
Chemical oxygen demand (COD)	mg/L	668	587	547	632	741	SM 5220D (std)		8.5	25.0 - 62.5
Chloride	mg/L			80.0	103	136	EPA 300.0		0.040 - 0.100	10.0
Chlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.13	0.50
Chlorodibromomethane	ug/L			0.72	0.72	0.72	EPA 624	2	0.22	0.50
Chloroethane	ug/L			ND	ND	ND	EPA 624	2	0.22	0.50
Chloroform	ug/L			2.0	2.0	2.0	EPA 624	2	0.14	0.50
Chromium VI	mg/L			0.00013	0.00013	0.00013	EPA 218.6 (Dissolved)		0.00001	0.00005
Chromium, total	mg/L			0.00853	0.00853	0.00853	EPA 200.8	0.0005	0.00011	0.00050
Chrysene	ug/L			ND	ND	ND	EPA 625	10	0.16	200
cis-1,3-Dichloropropene	ug/L			ND	ND	ND	EPA 624		0.15	0.50
Cobalt	mg/L			0.00037	0.00037	0.00037	EPA 200.8		0.00001	0.00025
Copper	mg/L			0.0571	0.0571	0.0571	EPA 200.8	0.0005	0.00011	0.00050
delta-BHC	ug/L			ND	ND	ND	EPA 608	0.005	0.004	0.02
Di-n-butyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.12	200
Di-n-octyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.11	200
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	EPA 625	10	0.13	200
Dibromoacetic acid	ug/L			ND	ND	ND	EPA 552.2		0.13	1.0
Dichloroacetic acid	ug/L			4.6	4.6	4.6	EPA 552.2		0.41	1.0
Dieldrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.05
Diesel range organics	ug/L			12200	12200	12200	SW8015 Diesel/Oil Organics		22	2500
Diethyl phthalate	ug/L			ND	ND	ND	EPA 625	2	0.26	40.0
Dimethyl phthalate	ug/L			ND	ND	ND	EPA 625	2	0.28	40.0
Endosulfan II	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.05
Endosulfan I	ug/L			ND	ND	ND	EPA 608	0.02	0.001	0.05
Endosulfan sulfate	ug/L			ND	ND	ND	EPA 608	0.05	0.009	0.05
Endrin aldehyde	ug/L			ND	ND	ND	EPA 608	0.01	0.002	0.05
Endrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.05
Ethylbenzene	ug/L			DNQ Est. Conc. 0.12	ND	DNQ Est. Conc. 0.12	EPA 624	2	0.10	0.50
Fluoranthene	ug/L			ND	ND	ND	EPA 625	1	0.24	20.0
Fluorene	ug/L			ND	ND	ND	EPA 625	10	0.35	200
gamma-BHC (Lindane)	ug/L			ND	ND	ND	EPA 608	0.02	0.0009	0.05
Gasoline range organics	ug/L			DNQ Est. Conc. 40	ND	DNQ Est. Conc. 40	SW8015 Gas-Range Organics		9	50
Heptachlor epoxide	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.05
Heptachlor	ug/L			ND	ND	ND	EPA 608	0.01	0.0008	0.05
Hexachlorobenzene	ug/L			ND	ND	ND	EPA 625	1	0.17	20.0
Hexachlorobutadiene	ug/L			ND	ND	ND	EPA 625	1	0.33	20.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	EPA 625	5	0.53	100
Hexachloroethane	ug/L			ND	ND	ND	EPA 625	1	0.13	20.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND	EPA 625	10	0.12	200
Iron	mg/L			0.66	0.66	0.66	EPA 200.8		0.003	0.020
Isophorone	ug/L			ND	ND	ND	EPA 625	1	0.11	20.0
Lead	mg/L			0.00113	0.00113	0.00113	EPA 200.8	0.0005	0.00001	0.00025
m+p-Xylenes	ug/L			ND	ND	ND	EPA 624		0.36	1.0
Magnesium	mg/L			9.2	9.2	9.2	EPA 200.8		0.001	0.020
Manganese	mg/L			0.0272	0.0272	0.0272	EPA 200.8		0.00003	0.00100
Mercury	mg/L			0.00019	0.00019	0.00019	EPA 245.1	0.0005	0.000017	0.000050
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND	EPA 624	2	0.20	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND	EPA 624	2	0.15	0.50
Methyl tert-butyl ether (MTBE)	ug/L			ND	ND	ND	EPA 624		0.08	0.50
Methylene chloride	ug/L			0.80	0.80	0.80	EPA 624	2	0.19	0.50
Molybdenum	mg/L			0.00427	0.00427	0.00427	EPA 200.8		0.00003	0.00025
Monobromoacetic acid	ug/L			ND	ND	ND	EPA 552.2		0.21	1.0
Monochloroacetic acid	ug/L			2.4	2.4	2.4	EPA 552.2		0.32	2.0
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND	EPA 1625 (Modified) & EPA 625	5	0.0003 - 0.50	0.020 - 100
n-Nitrosodimethylamine (NDMA)	ug/L			0.036	0.036	0.036	EPA 1625 (Modified)	5	0.0005	0.020

Lancaster Water Reclamation Plant
2018 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
n-Nitrosodiphenylamine	ug/L				ND						
Naphthalene	ug/L				ND						
Nickel	mg/L				0.00281						
Nitrate as nitrogen	mg/L	ND			ND			ND			ND
Nitrite as nitrogen	mg/L	ND			ND			ND			0.034
Nitrobenzene	ug/L				ND						
o-Xylene	ug/L				ND						
Oil range organics	ug/L				3780						
Pentachlorophenol	ug/L				ND						
Phenanthrene	ug/L				ND						
Phenols	ug/L				92						
Phenol	ug/L				31.3						
pH	SU	7.6	7.5	7.6	7.7	7.7	7.4	7.4	7.5	7.4	7.5
Potassium	mg/L				14.8						
Pyrene	ug/L				ND						
Selenium	mg/L				0.00114						
Silver	mg/L				0.00036						
Sodium	mg/L				106						
Sulfate	mg/L				61.8						
Surfactant (MBAS)	mg/L	9.79			10.5			9.28			11.2
Technical Chlordane	ug/L				ND						
Tetrachloroethene	ug/L				1.3						
Thallium	mg/L				ND						
Toluene	ug/L				0.80						
Total BOD	mg/L	270	301	281	329	278	266	264	259	235	176
Total Carbonaceous BOD5	mg/L	217	221	208	317	217	209	178	153	195	149
Total cyanide	ug/L				ND						
Total Kjeldahl Nitrogen (TKN)	mg/L	50.5			52.0			47.0			43.2
Total organic carbon	ug/L		64800		58800			54100			45300
Total Petroleum Hydrocarbons	ug/L				16000						
Total Suspended Solids	mg/L	322	297	299	287	274	278	237	233	296	262
Total Trihalomethanes	ug/l				3.3						
Toxaphene	ug/L				ND						
trans-1,2-Dichloroethene	ug/L				ND						
trans-1,3-Dichloropropene	ug/L				ND						
Trichloroacetic acid	ug/L				5.1						
Trichloroethene	ug/L				ND						
Vanadium	mg/L				0.0154						
Vinyl chloride	ug/L				ND						
Zinc	mg/L				0.364						

Lancaster Water Reclamation Plant
2018 Influent Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
n-Nitrosodiphenylamine	ug/L			ND	ND	ND	EPA 1625 (Modified) & EPA 625	1	0.0019 - 0.28	0.10 - 20.0
Naphthalene	ug/L			ND	ND	ND	EPA 625	1	0.13	20.0
Nickel	mg/L			0.00281	0.00281	0.00281	EPA 200.8	0.001	0.00012	0.00100
Nitrate as nitrogen	mg/L			ND	ND	ND	SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L			ND	0.0085	0.034	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L			ND	ND	ND	EPA 625	1	0.17	20.0
o-Xylene	ug/L			ND	ND	ND	EPA 624		0.24	0.50
Oil range organics	ug/L			3780	3780	3780	SW8015 Diesel/Oil Organics		42	2500
Pentachlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.62	20.0
Phenanthrene	ug/L			ND	ND	ND	EPA 625	5	0.31	100
Phenols	ug/L			92	92	92	EPA 420.1		2	30
Phenol	ug/L			31.3	31.3	31.3	EPA 625	1	0.12	20.0
pH	SU	7.4	7.4	7.4	7.5	7.7	SM 4500 H+ B		1.00	1.00 - 4.00
Potassium	mg/L			14.8	14.8	14.8	EPA 200.8		0.007	0.20
Pyrene	ug/L			ND	ND	ND	EPA 625	10	0.28	200
Selenium	mg/L			0.00114	0.00114	0.00114	EPA 200.8	0.002	0.00004	0.00100
Silver	mg/L			0.00036	0.00036	0.00036	EPA 200.8	0.00025	0.00002	0.00020
Sodium	mg/L			106	106	106	EPA 200.8		0.004	4.0
Sulfate	mg/L			61.8	61.8	61.8	EPA 300.0		0.020	2.50
Surfactant (MBAS)	mg/L			9.28	10.2	11.2	SM 5540C		0.03	4.00
Technical Chlordane	ug/L			ND	ND	ND	EPA 608	0.1	0.01	0.25
Tetrachloroethene	ug/L			1.3	1.3	1.3	EPA 624	2	0.25	0.50
Thallium	mg/L			ND	ND	ND	EPA 200.8	0.001	0.000015	0.00025
Toluene	ug/L			0.80	0.80	0.80	EPA 624	2	0.08	0.50
Total BOD	mg/L	281	246	176	266	329	SM 5210B		0.6	86 - 120
Total Carbonaceous BOD5	mg/L	204	190	149	205	317	SM 5210B		0.6	60 - 120
Total cyanide	ug/L			ND	ND	ND	SM 4500 CN E	5	1.0	5.0
Total Kjeldahl Nitrogen (TKN)	mg/L			43.2	48.2	52.0	EPA 351.2		0.135	5.00 - 10.0
Total organic carbon	ug/L			45300	55750	64800	SM 5310C		50 - 80	25000
Total Petroleum Hydrocarbons	ug/L			16000	16000	16000	SW-846 8015B			0.050
Total Suspended Solids	mg/L	283	289	233	280	322	SM 2540D		2.5	62.5 - 100
Total Trihalomethanes	ug/l			3.3	3.3	3.3	EPA 624			0.50
Toxaphene	ug/L			ND	ND	ND	EPA 608	0.5	0.08	2.5
trans-1,2-Dichloroethene	ug/L			ND	ND	ND	EPA 624	1	0.45	0.50
trans-1,3-Dichloropropene	ug/L			ND	ND	ND	EPA 624		0.10	0.50
Trichloroacetic acid	ug/L			5.1	5.1	5.1	EPA 552.2		0.22	1.0
Trichloroethene	ug/L			ND	ND	ND	EPA 624	2	0.25	0.50
Vanadium	mg/L			0.0154	0.0154	0.0154	EPA 200.8		0.00007	0.00100
Vinyl chloride	ug/L			ND	ND	ND	EPA 624	2	0.20	0.50
Zinc	mg/L			0.364	0.364	0.364	EPA 200.8	0.001	0.00060	0.0200

Lancaster WRP Effluent Monitoring

Lancaster Water Reclamation Plant
2018 Tertiary Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L				ND			ND			
1,1-Dichloroethene	ug/L				ND			ND			
1,1,1-Trichloroethane	ug/L				ND			ND			
1,1,2-Trichloroethane	ug/L				ND			ND			
1,1,2,2-Tetrachloroethane	ug/L				ND			ND			
1,2-Dichlorobenzene	ug/L				ND			ND			
1,2-Dichloroethane	ug/L				ND			ND			
1,2-Dichloropropane	ug/L				ND			ND			
1,2-Diphenylhydrazine	ug/L					ND		ND			
1,2,4-Trichlorobenzene	ug/L					ND		ND			
1,3-Dichlorobenzene	ug/L				ND			ND			
1,4-Dichlorobenzene	ug/L				ND			ND			
2-Chloroethyl vinyl ether (mixed)	ug/L				ND			ND			
2-Chloronaphthalene	ug/L					ND		ND			
2-Chlorophenol	ug/L					ND		ND			
2-Methyl-4,6-dinitrophenol	ug/L					ND		ND			
2-Nitrophenol	ug/L					ND		ND			
2,3,7,8-TCDD	ug/L				ND			ND			
2,4-Dichlorophenol	ug/L					ND		ND			
2,4-Dimethylphenol	ug/L					ND		ND			
2,4-Dinitrophenol	ug/L					ND		ND			
2,4-Dinitrotoluene	ug/L					ND		ND			
2,4,6-Trichlorophenol	ug/L					ND		ND			
2,6-Dinitrotoluene	ug/L					ND		ND			
3-Methyl-4-chlorophenol	ug/L					ND		ND			
3,3'-Dichlorobenzidine	ug/L					ND		ND			
4-Bromophenyl phenyl ether	ug/L					ND		ND			
4-Chlorophenyl phenyl ether	ug/L					ND		ND			
4-Nitrophenol	ug/L					ND		ND			
4,4'-DDD	ug/L				ND			ND			
4,4'-DDE	ug/L				ND			ND			
4,4'-DDT	ug/L				ND			ND			
Acenaphthene	ug/L					ND		ND			
Acenaphthylene	ug/L					ND		ND			
Acrolein	ug/L				ND			ND			
Acrylonitrile	ug/L				ND			ND			
Aldrin	ug/L				ND			ND			
alpha-BHC	ug/L				ND			ND			
Aluminum	mg/L				0.0104			0.0106			
Ammonia as nitrogen	mg/L	4.79	2.19	3.30	3.46	2.34	0.930	1.88	1.25	1.40	1.40
Anthracene	ug/L					ND		ND			
Antimony	mg/L				0.00051			0.00053			
Aroclor 1016	ug/L				ND			ND			
Aroclor 1221	ug/L				ND			ND			
Aroclor 1232	ug/L				ND			ND			
Aroclor 1242	ug/L				ND			ND			
Aroclor 1248	ug/L				ND			ND			
Aroclor 1254	ug/L				ND			ND			
Aroclor 1260	ug/L				ND			ND			
Arsenic	mg/L				0.00222			0.00172			
Barium	mg/L				0.0205			0.0184			
Benzene	ug/L				ND			ND			
Benzidine	ug/L					ND		ND			
Benzo(a)anthracene	ug/L					ND		ND			
Benzo(a)pyrene	ug/L				ND			ND			
Benzo(b)fluoranthene	ug/L				ND			DNQ Est. Conc. 0.005			
Benzo(g,h,i)perylene	ug/L					ND		ND			
Benzo(k)fluoranthene	ug/L				ND			ND			
Beryllium	mg/L				ND			ND			
beta-BHC	ug/L				ND			ND			
bis(2-Chloroethoxy) methane	ug/L					ND		ND			
bis(2-Chloroethyl) ether	ug/L					ND		ND			
bis(2-Chloroisopropyl) ether	ug/L					ND		ND			
bis(2-Ethylhexyl) phthalate	ug/L					ND		ND			
Bromodichloromethane	ug/L		2.7		2.5			6.2			6.4
Bromoform	ug/L		ND		ND			DNQ Est. Conc. 0.18			DNQ Est. Conc. 0.26
Butyl benzyl phthalate	ug/L					ND		ND			
Cadmium	mg/L				ND			ND			
Calcium	mg/L		38.2		35.9			35.5			32.3

Lancaster Water Reclamation Plant
2018 Tertiary Effluent Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L			ND	ND	ND			EPA 624	1	0.20 - 0.22	0.50
1,1-Dichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.32 - 0.43	0.50
1,1,1-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.17 - 0.21	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.09 - 0.24	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND			EPA 624	1	0.11 - 0.13	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.07 - 0.18	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.11 - 0.22	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND			EPA 624	1	0.11 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625	1	0.20	1.0
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND			EPA 625	5	0.19	5.0
1,3-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.08 - 0.21	0.50
1,4-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.16 - 0.18	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND			EPA 624	1	0.12 - 0.29	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625	10	0.13	10.0
2-Chlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.18	5.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	0.92	5.0
2-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	0.10	10.0
2,3,7,8-TCDD	ug/L			ND	ND	ND			EPA 1613B		0.00000044 - 0.00000058	0.000010 - 0.000011
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.63	5.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625	2	0.88	2.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	2.8	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.27	5.0
2,4,6-Trichlorophenol	ug/L			ND	ND	ND			EPA 625	10	0.21	10.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.28	5.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625	1	0.44	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625	5	0.81	5.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.27	5.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.32	5.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	1.3	10.0
4,4'-DDD	ug/L			ND	ND	ND			EPA 608	0.05	0.001	0.01
4,4'-DDE	ug/L			ND	ND	ND			EPA 608	0.05	0.001	0.01
4,4'-DDT	ug/L			ND	ND	ND			EPA 608	0.01	0.003	0.01
Acenaphthene	ug/L			ND	ND	ND			EPA 625	1	0.22	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625	10	0.19	10.0
Acrolein	ug/L			ND	ND	ND			EPA 624		0.93 - 1.3	2.0
Acrylonitrile	ug/L			ND	ND	ND			EPA 624		0.20 - 0.79	2.0
Aldrin	ug/L			ND	ND	ND			EPA 608	0.005	0.0009	0.005
alpha-BHC	ug/L			ND	ND	ND			EPA 608	0.01	0.002	0.01
Aluminum	mg/L			0.0104	0.0105	0.0106			EPA 200.8		0.00195	0.0100
Ammonia as nitrogen	mg/L	2.78	2.30	0.930	2.34	4.79		(1)	SM 4500 NH3 G		0.020	0.200 - 1.00
Anthracene	ug/L			ND	ND	ND			EPA 625	10	0.19	10.0
Antimony	mg/L			0.00051	0.00052	0.00053			EPA 200.8	0.0005	0.00032	0.00050
Aroclor 1016	ug/L			ND	ND	ND			EPA 608	0.5	0.02	0.1
Aroclor 1221	ug/L			ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L			ND	ND	ND			EPA 608	0.5	0.09	0.3
Aroclor 1242	ug/L			ND	ND	ND			EPA 608	0.5	0.02	0.1
Aroclor 1248	ug/L			ND	ND	ND			EPA 608	0.5	0.02	0.1
Aroclor 1254	ug/L			ND	ND	ND			EPA 608	0.5	0.01	0.05
Aroclor 1260	ug/L			ND	ND	ND			EPA 608	0.5	0.01	0.1
Arsenic	mg/L			0.00172	0.00197	0.00222			EPA 200.8	0.002	0.00014	0.00100
Barium	mg/L			0.0184	0.0195	0.0205			EPA 200.8		0.00008	0.00050
Benzene	ug/L			ND	ND	ND			EPA 624	2	0.11 - 0.15	0.50
Benzidine	ug/L			ND	ND	ND			EPA 625	5	1.8	5.0
Benzo(a)anthracene	ug/L			ND	ND	ND			EPA 625	5	0.14	5.0
Benzo(a)pyrene	ug/L			ND	ND	ND			EPA 610	10	0.007	0.020
Benzo(b)fluoranthene	ug/L			ND	ND	DNQ Est. Conc. 0.005			EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L			ND	ND	ND			EPA 625	5	0.12	5.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.005	0.020
Beryllium	mg/L			ND	ND	ND			EPA 200.8	0.0005	0.00003	0.00025
beta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.002	0.005
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625	5	0.11	5.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625	1	0.20	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625	2	0.20	2.0
bis(2-Ethylhexyl) phthalate	ug/L			ND	ND	ND			EPA 625	5	0.16	2.0
Bromodichloromethane	ug/L			2.5	4.5	6.4			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L			ND	ND	DNQ Est. Conc. 0.26			EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.12	10.0
Cadmium	mg/L			ND	ND	ND			EPA 200.8	0.00025	0.000031	0.00020
Calcium	mg/L			32.3	35.5	38.2			EPA 200.8		0.004	0.020

Lancaster Water Reclamation Plant
2018 Tertiary Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Carbon tetrachloride	ug/L				ND			ND			
Chemical oxygen demand (COD)	mg/L	ND	ND	ND	ND	27.9	ND	ND	ND	ND	28.1
Chloride	mg/L		124		113			126			159
Chlorobenzene	ug/L				ND			ND			
Chlorodibromomethane	ug/L		DNQ Est. Conc. 0.39		DNQ Est. Conc. 0.32			1.0			1.8
Chloroethane	ug/L				ND			ND			
Chloroform	ug/L		7.8		10.6			18.3			9.6
Chromium VI	mg/L				ND			0.00005			
Chromium, total	mg/L				0.00131			0.00092			
Chrysene	ug/L				ND			DNQ Est. Conc. 0.005			
cis-1,3-Dichloropropene	ug/L				ND			ND			
Cobalt	mg/L				DNQ Est. Conc. 0.00016			DNQ Est. Conc. 0.00015			
Copper	mg/L				0.00165			0.00225			
delta-BHC	ug/L				ND			ND			
Di-n-butyl phthalate	ug/L					ND		ND			
Di-n-octyl phthalate	ug/L					ND		ND			
Dibenzo(a,h)anthracene	ug/L				ND			DNQ Est. Conc. 0.005			
Dibromoacetic acid	ug/L		ND		ND			ND			1.7
Dichloroacetic acid	ug/L		13		15			19			18
Dieldrin	ug/L				ND			DNQ Est. Conc. 0.004			
Diesel range organics	ug/L				116						
Diethyl phthalate	ug/L					DNQ Est. Conc. 0.29		ND			
Dimethyl phthalate	ug/L					ND		ND			
Dissolved oxygen	mg/L	8.1	8.1	8.1	7.8	7.6	7.4	7.1	7.1	7.1	7.3
Endosulfan II	ug/L				ND			ND			
Endosulfan I	ug/L				ND			ND			
Endosulfan sulfate	ug/L				ND			ND			
Endrin aldehyde	ug/L				ND			ND			
Endrin	ug/L				ND			ND			
Ethylbenzene	ug/L				ND			ND			
Fluoranthene	ug/L					ND		ND			
Fluorene	ug/L					ND		ND			
gamma-BHC (Lindane)	ug/L				ND			DNQ Est. Conc. 0.003			
Gasoline range organics	ug/L				ND						
Haloacetic Acids (HAA5)	ug/L		19		21			25			27
Heptachlor epoxide	ug/L				ND			ND			
Heptachlor	ug/L				ND			ND			
Hexachlorobenzene	ug/L					ND		ND			
Hexachlorobutadiene	ug/L					ND		ND			
Hexachlorocyclopentadiene	ug/L					ND		ND			
Hexachloroethane	ug/L					ND		ND			
Indeno (1,2,3-cd) pyrene	ug/L				ND			DNQ Est. Conc. 0.006			
Iron	mg/L				0.06			0.05			
Isophorone	ug/L					ND		ND			
Lead	mg/L				DNQ Est. Conc. 0.00005			DNQ Est. Conc. 0.00007			
m+p-Xylenes	ug/L				ND			ND			
Magnesium	mg/L		8.6		8.9			8.9			11.6
Manganese	mg/L				0.0187			0.0153			
Mercury	mg/L				0.00000089			0.00000076			
Methyl bromide (Bromomethane)	ug/L				ND			ND			
Methyl chloride (Chloromethane)	ug/L				ND			ND			
Methyl tert-butyl ether (MTBE)	ug/L				ND						
Methylene chloride	ug/L				ND			ND			
Molybdenum	mg/L				0.00334			0.00283			
Monobromoacetic acid	ug/L		ND		ND			ND			ND
Monochloroacetic acid	ug/L		ND		ND			ND			ND
n-Nitrosodi-n-propylamine	ug/L					ND		ND			ND
n-Nitrosodimethylamine (NDMA)	ug/L		5.0		2.9			2.1			2.3
n-Nitrosodiphenylamine	ug/L					ND		ND			ND
Naphthalene	ug/L					ND		ND			
Nickel	mg/L				0.00102			DNQ Est. Conc. 0.00095			
Nitrate as nitrogen	mg/L	4.80	5.50	5.79	3.64	5.02	5.33	5.60	6.11	3.42	4.79
Nitrite as nitrogen	mg/L	0.049	0.065	0.098	0.095	0.083	0.043	0.065	0.047	0.040	0.040
Nitrobenzene	ug/L					ND		ND			
o-Xylene	ug/L				ND			ND			
Oil range organics	ug/L				ND						
Pentachlorophenol	ug/L					ND		ND			
Phenanthrene	ug/L					ND		ND			
Phenols	ug/L				DNQ Est. Conc. 3						

Lancaster Water Reclamation Plant
2018 Tertiary Effluent Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Carbon tetrachloride	ug/L			ND	ND	ND			EPA 624	2	0.17 - 0.28	0.50
Chemical oxygen demand (COD)	mg/L	ND	ND	ND	4.67	28.1			SM 5220D (std)		8.5	25.0
Chloride	mg/L			113	131	159			EPA 300.0		0.040 - 0.100	10.0
Chlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.11 - 0.13	0.50
Chlorodibromomethane	ug/L			DNQ Est. Conc. 0.32	0.70	1.8			EPA 624	2	0.08 - 0.22	0.50
Chloroethane	ug/L			ND	ND	ND			EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L			7.8	12	18.3			EPA 624	2	0.09 - 0.18	0.50
Chromium VI	mg/L			ND	0.00003	0.00005			EPA 218.6 (Dissolved)		0.00001	0.00005
Chromium, total	mg/L			0.00092	0.0011	0.00131			EPA 200.8	0.0005	0.00011	0.00050
Chrysene	ug/L			ND	ND	DNQ Est. Conc. 0.005			EPA 610	10	0.005	0.020
cis-1,3-Dichloropropene	ug/L			ND	ND	ND			EPA 624		0.07 - 0.15	0.50
Cobalt	mg/L			DNQ Est. Conc. 0.00015	ND	DNQ Est. Conc. 0.00016			EPA 200.8		0.00001	0.00025
Copper	mg/L			0.00165	0.00195	0.00225			EPA 200.8	0.0005	0.00011	0.00050
delta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.004	0.005
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.12	10.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.11	10.0
Dibenzo(a,h)anthracene	ug/L			ND	ND	DNQ Est. Conc. 0.005			EPA 610	10	0.004	0.020
Dibromoacetic acid	ug/L			ND	0.43	1.7			EPA 552.2		0.13	1.0
Dichloroacetic acid	ug/L			13	16	19			EPA 552.2		0.41	1.0
Dieldrin	ug/L			ND	ND	DNQ Est. Conc. 0.004			EPA 608	0.01	0.001	0.01
Diesel range organics	ug/L			116	116	116			SW8015 Diesel/Oil Organics		22	100
Diethyl phthalate	ug/L			ND	ND	DNQ Est. Conc. 0.29			EPA 625	2	0.26	2.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.28	2.0
Dissolved oxygen	mg/L	7.7	8.1	7.1	7.6	8.1			HACH 10360 LDO			
Endosulfan II	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Endosulfan I	ug/L			ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L			ND	ND	ND			EPA 608	0.05	0.009	0.01
Endrin aldehyde	ug/L			ND	ND	ND			EPA 608	0.01	0.002	0.01
Endrin	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L			ND	ND	ND			EPA 624	2	0.10 - 0.18	0.50
Fluoranthene	ug/L			ND	ND	ND			EPA 625	1	0.24	1.0
Fluorene	ug/L			ND	ND	ND			EPA 625	10	0.35	10.0
gamma-BHC (Lindane)	ug/L			ND	ND	DNQ Est. Conc. 0.003			EPA 608	0.02	0.0009	0.01
Gasoline range organics	ug/L			ND	ND	ND			SW8015 Gas-Range Organics		9	50
Haloacetic Acids (HAA5)	ug/L			19	23	27			EPA 552.2		0.41	1.0
Heptachlor epoxide	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L			ND	ND	ND			EPA 608	0.01	0.0008	0.01
Hexachlorobenzene	ug/L			ND	ND	ND			EPA 625	1	0.17	1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625	1	0.33	1.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND			EPA 625	5	0.53	5.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	DNQ Est. Conc. 0.006			EPA 610	10	0.004	0.020
Iron	mg/L			0.05	0.06	0.06			EPA 200.8		0	0.02
Isophorone	ug/L			ND	ND	ND			EPA 625	1	0.11	1.0
Lead	mg/L			DNQ Est. Conc. 0.00005	ND	DNQ Est. Conc. 0.00007			EPA 200.8	0.0005	0.00001	0.00025
m+p-Xylenes	ug/L			ND	ND	ND			EPA 624		0.31 - 0.36	1.0
Magnesium	mg/L			8.6	9.5	11.6			EPA 200.8		0.001	0.020
Manganese	mg/L			0.0153	0.0170	0.0187			EPA 200.8		0.00003	0.00100
Mercury	mg/L			0.00000076	0.00000083	0.00000089			EPA 1631E		0.00000031	0.00000050
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND			EPA 624	2	0.20 - 0.33	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND			EPA 624	2	0.15 - 0.19	0.50
Methyl tert-butyl ether (MTBE)	ug/L			ND	ND	ND			EPA 624		0.08	0.50
Methylene chloride	ug/L			ND	ND	ND			EPA 624	2	0.18 - 0.19	0.50
Molybdenum	mg/L			0.00283	0.00309	0.00334			EPA 200.8		0.00003	0.00025
Monobromoacetic acid	ug/L			ND	ND	ND			EPA 552.2		0.21	1.0
Monochloroacetic acid	ug/L			ND	ND	ND			EPA 552.2		0.32	2.0
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND			EPA 1625 (Modified) & EPA 625	5	0.0006 - 0.50	0.010 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L			2.1	3.1	5.0			EPA 1625 (Modified)	5	0.0005	0.010
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 1625 (Modified) & EPA 625	1	0.0013 - 0.28	0.050 - 1.0
Naphthalene	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
Nickel	mg/L			DNQ Est. Conc. 0.00095	0.00051	0.00102			EPA 200.8	0.001	0.00012	0.00100
Nitrate as nitrogen	mg/L	5.14	5.16	3.42	5.03	6.11			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.091	0.073	0.040	0.066	0.098			SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625	1	0.17	1.0
o-Xylene	ug/L			ND	ND	ND			EPA 624		0.12 - 0.24	0.50
Oil range organics	ug/L			ND	ND	ND			SW8015 Diesel/Oil Organics		42	500
Pentachlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.62	1.0
Phenanthrene	ug/L			ND	ND	ND			EPA 625	5	0.31	5.0
Phenols	ug/L			DNQ Est. Conc. 3	ND	DNQ Est. Conc. 3			EPA 420.1		2	6

Lancaster Water Reclamation Plant
2018 Tertiary Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Phenol	ug/L					DNQ Est. Conc. 0.13		ND			
pH	SU	7.1	7.2	7.1	7.2	7.2	7.3	7.3	7.3	7.2	7.3
Potassium	mg/L				14.2			15.1			
Pyrene	ug/L					ND		ND			
Selenium	mg/L				DNQ Est. Conc. 0.00042			DNQ Est. Conc. 0.00028			
Silver	mg/L				ND			ND			
Sodium	mg/L		114		115			114			126
Sulfate	mg/L		68.1		74.0			70.6			61.9
Surfactant (MBAS)	mg/L	ND			ND			ND			ND
Technical Chlordane	ug/L				ND			ND			
Temperature	°C	20.4	20.2	20.2	22.0	23.5	25.0	28.1	28.3	27.5	25.1
Tetrachloroethene	ug/L				ND			ND			
Thallium	mg/L				ND			ND			
Toluene	ug/L				DNQ Est. Conc. 0.08			ND			
Total BOD	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Carbonaceous BOD5	mg/L	ND	ND	ND	3	ND	ND	ND	ND	ND	ND
Total coliform	CFU/100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L			DNQ Est. Conc. 1.4					DNQ Est. Conc. 1.8		
Total dissolved solids	mg/L	450			438			430			502
Total Kjeldahl Nitrogen (TKN)	mg/L	4.45	3.50	3.83	5.40	3.64	2.48	2.88	2.25	2.46	2.40
Total organic carbon	ug/L		5770		5850			5410			4880
Total Petroleum Hydrocarbons	ug/L				116						
Total Suspended Solids	mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total trihalomethanes	ug/L		10.9		13.1			25.5			17.8
Toxaphene	ug/L				ND			ND			
trans-1,2-Dichloroethene	ug/L				ND			ND			
trans-1,3-Dichloropropene	ug/L				ND			ND			
Trichloroacetic acid	ug/L		6.4		6.1			6.1			7.3
Trichloroethene	ug/L				ND			ND			
Vanadium	mg/L				0.00834			0.00643			
Vinyl chloride	ug/L				ND			ND			
Zinc	mg/L				0.0607			0.0725			

Lancaster Water Reclamation Plant
2018 Tertiary Effluent Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Phenol	ug/L			ND	ND	DNQ Est. Conc. 0.13			EPA 625	1	0.12	1.0
pH	SU	7.3	7.2	7.1	7.2	7.3			SM 4500 H+ B		1.00	1.00 - 4.00
Potassium	mg/L			14.2	14.7	15.1			EPA 200.8		0.007	0.20
Pyrene	ug/L			ND	ND	ND			EPA 625	10	0.28	10.0
Selenium	mg/L			DNQ Est. Conc. 0.00028	ND	DNQ Est. Conc. 0.00042			EPA 200.8	0.002	0.00004	0.00100
Silver	mg/L			ND	ND	ND			EPA 200.8	0.00025	0.00002	0.00020
Sodium	mg/L			114	117	126			EPA 200.8		0.004	0.40 - 4.00
Sulfate	mg/L			61.9	68.7	74.0			EPA 300.0		0.020 - 0.200	2.50
Surfactant (MBAS)	mg/L			ND	ND	ND			SM 5540C		0.03	0.10
Technical Chlordane	ug/L			ND	ND	ND			EPA 608	0.1	0.01	0.05
Temperature	°C	22.1	19.9	19.9	23.5	28.3			EPA 170.1 (oC)			
Tetrachloroethene	ug/L			ND	ND	ND			EPA 624	2	0.18 - 0.25	0.50
Thallium	mg/L			ND	ND	ND			EPA 200.8	0.001	0.00002	0.00025
Toluene	ug/L			ND	ND	DNQ Est. Conc. 0.08			EPA 624	2	0.08 - 0.19	0.50
Total BOD	mg/L	ND	ND	ND	ND	ND	30	10	SM 5210B		0.6	3
Total Carbonaceous BOD5	mg/L	ND	ND	ND	0.3	3			SM 5210B		0.6	3
Total coliform	CFU/100mL	ND	ND	ND	ND	ND	(2)	(2)	SM 9222B		1	1
Total cyanide	ug/L			DNQ Est. Conc. 1.4	ND	DNQ Est. Conc. 1.8			SM 4500 CN E	5	1.0	5.0
Total dissolved solids	mg/L			430	455	502			SM 2540C		2.7	25.0
Total Kjeldahl Nitrogen (TKN)	mg/L	3.88	2.92	2.25	3.34	5.40			EPA 351.2		0.135	0.333 - 1.00
Total organic carbon	ug/L			4880	5478	5850			SM 5310C		50 - 80	2500
Total Petroleum Hydrocarbons	ug/L			116	116	116			SW-846 8015B			0.050
Total Suspended Solids	mg/l	ND	ND	ND	ND	ND			SM 2540D		2.5	2.5
Total trihalomethanes	ug/L			10.9	16.8	25.5			EPA 624			0.50
Toxaphene	ug/L			ND	ND	ND			EPA 608	0.5	0.08	0.50
trans-1,2-Dichloroethene	ug/L			ND	ND	ND			EPA 624	1	0.16 - 0.45	0.50
trans-1,3-Dichloropropene	ug/L			ND	ND	ND			EPA 624		0.10 - 0.17	0.50
Trichloroacetic acid	ug/L			6.1	6.5	7.3			EPA 552.2		0.22	1.0
Trichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.25 - 0.28	0.50
Vanadium	mg/L			0.00643	0.00739	0.00834			EPA 200.8		0.00007	0.00100
Vinyl chloride	ug/L			ND	ND	ND			EPA 624	2	0.20 - 0.26	0.50
Zinc	mg/L			0.0607	0.0666	0.0725			EPA 200.8	0.001	0.00060	0.00100

1. When discharging to Piute Ponds: ammonia limit is a function of pH, per WQCB Order No. R6V-2002-053A1, Provision II.2.a.
2. Number of coliforms may not exceed 23/100 mL in more than one sample during any 30-day period. No sample shall exceed 240/100 mL at any time.

Lancaster WRP Biosolids Monitoring

EPA	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460 BIOSOLIDS ANNUAL REPORT	FORM Approved OMB No. 2040-0004

EPA's sewage sludge regulations require certain publicly owned treatment works (POTWs) and Class I sewage sludge management facilities to submit to a Sewage Sludge (Biosolids) Annual Report (see 40 CFR 503.18 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_118), 503.28 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_128), 503.48 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_148)). Facilities that must submit a Sewage Sludge (Biosolids) Annual Report include POTWs with a design flow rate equal to or greater than one million gallons per day, POTWs that serve 10,000 people or more, Class I Sludge Management Facilities (as defined by 40 CFR 503.9 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_19)), and facilities otherwise required to file this report (e.g., permit condition, enforcement action, state law). This is the electronic form for Sewage Sludge (Biosolids) Annual Report filers to use if they are located in one of the states, tribes, or territories (https://www.epa.gov/npdes/npdes-state-program-information) where EPA administers the Federal biosolids program.

For the purposes of this form, the term 'sewage sludge (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_19)' also refers to the material that is commonly referred to as 'biosolids'. EPA does not have a regulatory definition for biosolids but this material is commonly referred to as sewage sludge that is placed on, or applied to the land to use the beneficial properties of the material as a soil amendment, conditioner, or fertilizer. EPA's use of the term 'biosolids' in this form is to confirm that information about beneficially used sewage sludge (a.k.a. biosolids) should be reported on this form.

Please note that EPA may contact you after you submit this report for more information regarding your sewage sludge management program.

Facility Information

Facility Name: LACSD - LANCASTER WRP

Program Information

Please select at least one of the following options pertaining to your obligation to submit a Sewage Sludge (Biosolids) Annual Report in compliance with 40 CFR part 503. The facility is:

- a Class I Sludge Management Facility as defined in 40 CFR 503.9
- a POTW with a design flow rate equal to or greater than one million gallons per day
- a POTW that serves 10,000 people or more

In the reporting period, did you manage your sewage sludge or biosolids using any of the following management practices: land application, surface disposal, or incineration?

☑ YES ☐ NO

If your facility is a POTW, please provide the estimated total amount of sewage sludge produced at your facility for the reporting period (in dry metric tons). If your facility is not a POTW, please provide the estimated total amount of biosolids produced at your facility for the reporting period (in dry metric tons).

2515

Reporting Period Start Date: 01/01/2018 **Reporting Period End Date:** 12/31/2018

Treatment Processes

Processes to Significantly Reduce Pathogens (PSRP):
Air Drying (or sludge drying beds)
Anaerobic Digestion

Processes to Further Reduce Pathogens (PFRP):

Physical Treatment Options:
Preliminary Operations (e.g., sludge grinding, degritting, blending)
Thickening (e.g., gravity and/or flotation thickening, centrifugation, belt filter press, vacuum filter)

Other Processes to Manage Sewage Sludge:
Methane or Biogas Capture and Recovery

Analytical Methods

Did you use any analytical methods to analyze sewage sludge in the reporting period? ☑ YES ☐ NO

Analytical Methods

- EPA Method 6020 - Arsenic (ICP-MS)
- EPA Method 6020 - Cadmium (ICP-MS)
- EPA Method 6020 - Chromium (ICP-MS)
- EPA Method 6020 - Copper (ICP-MS)
- EPA Method 6020 - Lead (ICP-MS)
- EPA Method 7471 - Mercury (CVAA)
- EPA Method 6020 - Molybdenum (ICP-MS)
- EPA Method 6020 - Nickel (ICP-MS)
- EPA Method 6020 - Selenium (ICP-MS)
- EPA Method 6020 - Zinc (ICP-MS)
- Standard Method 4500-NH3 - Ammonia Nitrogen
- Standard Method 4500-Norg - Organic Nitrogen
- Standard Method 2540 - Total Solids
- Standard Method 2540 - Volatile Solids

Other Analytical Methods

- Other Nitrogen Analytical Method
  Other Analytical Methods Text Area:

  Total Nitrogen Calculation

- Other Total Kjeldahl Nitrogen Analytical Method
  Other Analytical Methods Text Area:

  EPA 351.2

- Other Nitrate Nitrogen Analytical Method
  Other Analytical Methods Text Area:

  SM 4500 NO3

Sludge Management - Land Application

Sludge Management - Surface Disposal

Sludge Management - Incineration

Sludge Management - Other Management Practice

ID: 001

Amount: 91

Management Practice Detail: Other

Other Management Practice Detail Description: Compost

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler: CAL000718

Facility Information:
SYNAGRO SOUTH KERN COMPOST MANUFACTURING
P.O. Box 265
Taft, CA 93268

Contact Information:
Brian Kelleher
Area Director
661-770-6620
bkelleher@synagro.com

Pathogen Class: Class A EQ

Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN

ID: 002

Amount: 2424

Management Practice Detail: Other

Other Management Practice Detail Description: Compost

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler: CAL010500

Facility Information:
NURSERY PRODUCTS HAWES COMPOSTING FACILITY
P.O. Box 1439
Helendale, CA 94342

Contact Information:
Brian Kelleher
Area Director
661-770-6620
bkelleher@synagro.com

Pathogen Class: Class A EQ

Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN

Additional Information

Please enter any additional information that you would like to provide in the comment box below.

Additional Attachments

Name	Created Date	Size
LANC biosolids_lab_data 2018.pdf	02/12/2019 3:33 PM	86.35 KB

Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Signing an electronic document on behalf of another person is subject to criminal, civil, administrative, or other lawful action.

Certified By: Matthew J. Bao (MATTHEWBAO)

Certified On: 02/14/2019 4:24 PM

2018 BIOSOLIDS MANAGEMENT PROGRAM
Lancaster Water Reclamation Plant
mg/kg Dry Weight (unless otherwise noted)

Sample No.	Date	% TS	As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn
18010300084	1/2/2018	19.5	8.48	2.0	88.2	500	8.94	0.97	16.1	30.1	6.2	1,940
18030700260	3/6/2018	22.7	7.71	1.7	87.5	411	8.44	0.15	14.9	27.8	5.2	1,580
18050200036	5/1/2018	17.8	7.84	1.7	90.6	352	7.80	0.79	15.1	30.1	4.9	1,410
18071000471	7/10/2018	18.1	3.99	2.0	49.1	415	4.17	0.70	8.90	18.4	3.1	1,650
18090400502	9/4/2018	16.2	6.52	2.0	95.8	494	9.06	0.89	19.6	40.9	5.9	1,970
18110700166	11/6/2018	16.5	5.24	2.0	73.4	514	10.5	1.1	15.9	31.0	5.6	2,170
MEAN		**18.5**	**6.63**	**1.9**	**80.8**	**448**	**8.2**	**0.77**	**15.1**	**29.7**	**5.1**	**1,790**
MAX			**8.48**	**2.0**	**95.8**	**514**	**10.5**	**1.10**	**19.6**	**40.9**	**6.2**	**2,170**
TABLE 1 LIMITS		****	**75**	**85**	****	**4,300**	**840**	**57**	**75**	**420**	**100**	**7,500**
TABLE 3 LIMITS		****	**41**	**39**	****	**1,500**	**300**	**17**	****	**420**	**100**	**2,800**

Sample No.	Date	Amm-N	Org-N	NO_3-N	NO_2-N	PO_4	K	TN*	TKN
18010300084	1/2/2018	6,650	63,400	< 10.2	12.6	61,900	1,890	70,100	70,000
18030700260	3/6/2018	5,990	44,500	< 8.83	3.0	72,900	1,840	50,500	50,500
18050200036	5/1/2018	7,810	62,600	< 11.3	4.29	107,000	1,690	70,400	70,400
18071000471	7/10/2018	6,690	57,300	< 11.1	12.6	102,000	852	64,000	64,000
18090400502	9/4/2018	6,900	67,300	15.3	3.86	70,500	1,650	74,200	74,200
18110700166	11/6/2018	10,500	58,300	< 12.1	5.74	86,400	1,820	68,800	68,800
MEAN		**7,420**	**58,900**	**15.3**	**7.0**	**83,500**	**1,620**	**66,300**	**66,300**
MAX		**10,500**	**67,300**	**15.3**	**12.6**	**107,000**	**1,890**	**74,200**	**74,200**

\ = No Limit
Statistics use detected values only.
* = TN calculation uses half the NO3-N result if the result was non-detect, as shown by "<".

2018 BIOSOLIDS MANAGEMENT PROGRAM

Lancaster WRP Digester Performance

Month	Temp (°F)	Detention Time (Days)	VSD (%)
January	98	60	69
February	98	45	71
March	99	50	73
April	99	49	72
May	99	50	74
June	99	52	74
July	99	49	72
August	99	48	73
September	99	51	68
October	99	53	70
November	99	39	68
December	99	41	66
MEAN	**99**	**49**	**71**
MIN	**98**	**39**	**66**

LANCASTER WATER RECLAMATION PLANT

2018 Digester Performance Summary

		HDT (days)	Temperature (degrees F)	VSD (%)			HDT (days)	Temperature (degrees F)	VSD (%)
Jan	Dig 4	95	99	67	Jul	Dig 4	58	99	67
	Dig 7	38	98	69		Dig 7	45	99	76
	Dig 8	48	98	70		Dig 8	45	99	72
	Avg	**60**	**98**	**69**		**Avg**	**49**	**99**	**72**
Feb	Dig 4	50	99	69	Aug	Dig 4	56	99	72
	Dig 7	40	99	71		Dig 7	44	99	72
	Dig 8	44	98	72		Dig 8	44	99	74
	Avg	**45**	**98**	**71**		**Avg**	**48**	**99**	**73**
Mar	Dig 4	57	99	70	Sep	Dig 4	58	99	70
	Dig 7	45	99	74		Dig 7	48	99	66
	Dig 8	48	99	75		Dig 8	48	99	70
	Avg	**50**	**99**	**73**		**Avg**	**51**	**99**	**69**
Apr	Dig 4	59	99	69	Oct	Dig 4	56	99	71
	Dig 7	44	99	73		Dig 7	48	99	67
	Dig 8	44	99	74		Dig 8	54	99	72
	Avg	**49**	**99**	**72**		**Avg**	**53**	**99**	**70**
May	Dig 4	61	99	70	Nov	Dig 4	42	99	67
	Dig 7	44	99	75		Dig 7	36	99	65
	Dig 8	44	99	75		Dig 8	38	99	72
	Avg	**50**	**99**	**74**		**Avg**	**39**	**99**	**68**
Jun	Dig 4	63	99	71	Dec	Dig 4	46	99	64
	Dig 7	47	99	74		Dig 7	39	99	67
	Dig 8	47	99	76		Dig 8	39	99	67
	Avg	**52**	**99**	**74**		**Avg**	**41**	**99**	**66**

HDT = Hydraulic Detention Time

VSD = Volatile Solids Destruction

Long Beach WRP Influent Monitoring

Long Beach Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L	ND						ND		
1,1-Dichloroethene	ug/L	ND						ND		
1,1,1-Trichloroethane	ug/L	ND						ND		
1,1,2-Trichloroethane	ug/L	ND						ND		
1,1,2,2-Tetrachloroethane	ug/L	ND						ND		
1,2-Dichlorobenzene	ug/L	ND						ND		
1,2-Dichloroethane	ug/L	ND						ND		
1,2-Dichloropropane	ug/L	ND						ND		
1,2-Diphenylhydrazine	ug/L	ND						ND		
1,2,4-Trichlorobenzene	ug/L	ND						ND		
1,3-Dichlorobenzene	ug/L	ND						ND		
1,3-Dichloropropene (Total)	ug/L	ND						ND		
1,4-Dichlorobenzene	ug/L	0.50						DNQ Est. Conc. 0.22		
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND		
2-Chloronaphthalene	ug/L	ND						ND		
2-Chlorophenol	ug/L	ND						ND		
2-Methyl-4,6-dinitrophenol	ug/L	ND						ND		
2-Nitrophenol	ug/L	ND						ND		
2,3,7,8-TCDD	pg/L	ND						ND		
2,4-Dichlorophenol	ug/L	ND						ND		
2,4-Dimethylphenol	ug/L	ND						ND		
2,4-Dinitrophenol	ug/L	ND						ND		
2,4-Dinitrotoluene	ug/L	ND						ND		
2,4,6-Trichlorophenol	ug/L	ND						ND		
2,6-Dinitrotoluene	ug/L	ND						ND		
3-Methyl-4-chlorophenol	ug/L	ND						ND		
3,3'-Dichlorobenzidine	ug/L	ND						ND		
4-Bromophenyl phenyl ether	ug/L	ND						ND		
4-Chlorophenyl phenyl ether	ug/L	ND						ND		
4-Nitrophenol	ug/L	ND						ND		
4,4'-DDD	ug/L	ND						ND		
4,4'-DDE	ug/L	ND						ND		
4,4'-DDT	ug/L	ND						ND		
Acenaphthene	ug/L	ND						ND		
Acenaphthylene	ug/L	ND						ND		
Acrolein	ug/L	ND						ND		
Acrylonitrile	ug/L	ND						ND		
Aldrin	ug/L	ND						ND		
alpha-BHC	ug/L	ND						ND		
Anthracene	ug/L	ND						ND		
Antimony	ug/L	0.63						0.63		
Aroclor 1016	ug/L	ND						ND		
Aroclor 1221	ug/L	ND						ND		
Aroclor 1232	ug/L	ND						ND		
Aroclor 1242	ug/L	ND						ND		
Aroclor 1248	ug/L	ND						ND		
Aroclor 1254	ug/L	ND						ND		
Aroclor 1260	ug/L	ND						ND		
Arsenic	ug/L	4.86						9.42		
Barium	ug/L	115						90.9		
Benzene	ug/L	ND						ND		
Benzidine	ug/L	ND						ND		
Benzo(a)anthracene	ug/L	ND						ND		
Benzo(a)pyrene	ug/L	ND						ND		
Benzo(b)fluoranthene	ug/L	ND						ND		
Benzo(g,h,i)perylene	ug/L	ND						ND		
Benzo(k)fluoranthene	ug/L	ND						ND		
Beryllium	ug/L	ND						ND		
beta-BHC	ug/L	ND						ND		
bis(2-Chloroethoxy) methane	ug/L	ND						ND		
bis(2-Chloroethyl) ether	ug/L	ND						ND		
bis(2-Chloroisopropyl) ether	ug/L	ND						ND		

Long Beach Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624	1	0.20 - 0.22	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.32 - 0.43	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.17 - 0.21	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.09 - 0.24	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624	1	0.11 - 0.13	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.07 - 0.18	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.11 - 0.22	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.11 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625	1	0.20	10.0 - 20.0
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625	5	0.19	50.0 - 100
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.08 - 0.21	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				DNQ Est. Conc. 0.22	0.25	0.50	EPA 624	2	0.16 - 0.18	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624	1	0.12 - 0.29	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625	10	0.13	100 - 200
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.18	50.0 - 100
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	0.92	50.0 - 100
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	0.10	100 - 200
2,3,7,8-TCDD	pg/L				ND	ND	ND	EPA 1613B		0.44 - 0.45	11
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.63	50.0 - 100
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625	2	0.88	20.0 - 40.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	2.8	50.0 - 100
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.27	50.0 - 100
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625	10	0.21	100 - 200
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.28	50.0 - 100
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625	1	0.44	10.0 - 20.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625	5	0.81	50.0 - 100
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.27	50.0 - 100
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.32	50.0 - 100
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	1.3	100 - 200
4,4'-DDD	ug/L				ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.05 - 0.10
4,4'-DDE	ug/L				ND	ND	ND	EPA 608	0.05	0.001	0.05 - 0.10
4,4'-DDT	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.05 - 0.10
Acenaphthene	ug/L				ND	ND	ND	EPA 625	1	0.22	10.0 - 20.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625	10	0.19	100 - 200
Acrolein	ug/L				ND	ND	ND	EPA 624		0.93 - 1.3	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624		0.20 - 0.79	2.0
Aldrin	ug/L				ND	ND	ND	EPA 608	0.005	0.0009 - 0.002	0.02 - 0.05
alpha-BHC	ug/L				ND	ND	ND	EPA 608	0.01	0.0005 - 0.002	0.05 - 0.10
Anthracene	ug/L				ND	ND	ND	EPA 625	10	0.19	100 - 200
Antimony	ug/L				0.63	0.63	0.63	EPA 200.8	0.5	0.32	0.50
Aroclor 1016	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.03	0.5 - 1.0
Aroclor 1221	ug/L				ND	ND	ND	EPA 608	0.5	0.2	2.5 - 5.0
Aroclor 1232	ug/L				ND	ND	ND	EPA 608	0.5	0.09 - 0.1	1.5 - 3.0
Aroclor 1242	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.04	0.5 - 1.0
Aroclor 1248	ug/L				ND	ND	ND	EPA 608	0.5	0.02 - 0.03	0.5 - 1.0
Aroclor 1254	ug/L				ND	ND	ND	EPA 608	0.5	0.01 - 0.02	0.2 - 0.5
Aroclor 1260	ug/L				ND	ND	ND	EPA 608	0.5	0.01 - 0.02	0.5 - 1.0
Arsenic	ug/L				4.86	7.14	9.42	EPA 200.8	2	0.14	1.00
Barium	ug/L				90.9	103	115	EPA 608		0.076 - 0.08	0.50
Benzene	ug/L				ND	ND	ND	EPA 624	2	0.11 - 0.15	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625	5	1.8	50.0 - 100
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625	5	0.14	50.0 - 100
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625	10	0.19	100 - 200
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.22	100 - 200
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625	5	0.12	50.0 - 100
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.19	100 - 200
Beryllium	ug/L				ND	ND	ND	EPA 200.8	0.5	0.030	0.25
beta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.002 - 0.004	0.02 - 0.05
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625	5	0.11	50.0 - 100
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625	1	0.20	10.0 - 20.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625	2	0.20	20.0 - 40.0

Long Beach Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
bis(2-Ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 3.6						ND		
BOD5 20°C	mg/L	337	359	339	355	379	348	304	332	318
Bromodichloromethane	ug/L	ND						ND		
Bromoform	ug/L	ND						ND		
Butyl benzyl phthalate	ug/L	ND						ND		
Cadmium	ug/L	DNQ Est. Conc. 0.14						DNQ Est. Conc. 0.090		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	ND						ND		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	2.1						3.7		
Chromium VI	ug/L	0.07						DNQ Est. Conc. 0.01		
Chromium, total	ug/L	2.33						1.79		
Chrysene	ug/L	ND						ND		
Copper	ug/L	66.2			36.9			43.1		
delta-BHC	ug/L	ND						ND		
Di-n-butyl phthalate	ug/L	ND						ND		
Di-n-octyl phthalate	ug/L	ND						ND		
Dibenzo(a,h)anthracene	ug/L	ND						ND		
Dieldrin	ug/L	ND						ND		
Diethyl phthalate	ug/L	ND						DNQ Est. Conc. 6.6		
Dimethyl phthalate	ug/L	ND						ND		
Endosulfan II	ug/L	ND						ND		
Endosulfan I	ug/L	ND						ND		
Endosulfan sulfate	ug/L	ND						ND		
Endrin aldehyde	ug/L	ND						ND		
Endrin	ug/L	ND						ND		
Ethylbenzene	ug/L	DNQ Est. Conc. 0.11						DNQ Est. Conc. 0.19		
Fluoranthene	ug/L	ND						ND		
Fluorene	ug/L	ND						ND		
gamma-BHC (Lindane)	ug/L	ND						ND		
Heptachlor epoxide	ug/L	ND						ND		
Heptachlor	ug/L	ND						ND		
Hexachlorobenzene	ug/L	ND						ND		
Hexachlorobutadiene	ug/L	ND						ND		
Hexachlorocyclopentadiene	ug/L	ND						ND		
Hexachloroethane	ug/L	ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L	ND						ND		
Isophorone	ug/L	ND						ND		
Lead	ug/L	1.44			0.66			1.12		
Mercury	ug/L	0.08						0.20		
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	ND						DNQ Est. Conc. 0.22		
Methylene chloride	ug/L	0.58						0.94		
n-Nitrosodi-n-propylamine	ug/L	ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L	ND						ND		
n-Nitrosodiphenylamine	ug/L	ND						ND		
Naphthalene	ug/L	ND						ND		
Nickel	ug/L	3.03						3.33		
Nitrobenzene	ug/L	ND						ND		
PCB-105	pg/L							94		
PCB-110/115	pg/L							DNQ Est. Conc. 280(1)		
PCB-114	pg/L							DNQ Est. Conc. 5.3		
PCB-118	pg/L							220(1)		
PCB-123	pg/L							DNQ Est. Conc. 3.4		
PCB-126	pg/L							ND		
PCB-128/166	pg/L							DNQ Est. Conc. 28		
PCB-129/138/163	pg/L							DNQ Est. Conc. 370		
PCB-135/151	pg/L							DNQ Est. Conc. 95		
PCB-147/149	pg/L							DNQ Est. Conc. 210(1)		
PCB-153/168	pg/L							DNQ Est. Conc. 270(1)		

Long Beach Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	DNQ Est. Conc. 3.6	EPA 625	5	0.16	20.0 - 40.0
BOD5 20°C	mg/L	333	372	327	304	342	379	SM 5210B		0.6	100 - 120
Bromodichloromethane	ug/L				ND	ND	ND	EPA 624	2	0.14 - 0.17	0.50
Bromoform	ug/L				ND	ND	ND	EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.12	100 - 200
Cadmium	ug/L				DNQ Est. Conc. 0.090	ND	DNQ Est. Conc. 0.14	EPA 200.8	0.25	0.031	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.17 - 0.28	0.50
Chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.01 - 0.02	0.25 - 0.50
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.11 - 0.13	0.50
Chlorodibromomethane	ug/L				ND	ND	ND	EPA 624	2	0.14 - 0.22	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L				2.1	2.9	3.7	EPA 624	2	0.14 - 0.18	0.50
Chromium VI	ug/L				DNQ Est. Conc. 0.01	0.04	0.07	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				1.79	2.06	2.33	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625	10	0.16	100 - 200
Copper	ug/L	51.6			36.9	49.5	66.2	EPA 200.8	0.5	0.11	0.50
delta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.001 - 0.004	0.02 - 0.05
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.12	100 - 200
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.11	100 - 200
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625	10	0.13	100 - 200
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.05 - 0.10
Diethyl phthalate	ug/L				ND	ND	DNQ Est. Conc. 6.6	EPA 625	2	0.26	20.0 - 40.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625	2	0.28	20.0 - 40.0
Endosulfan II	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.05 - 0.10
Endosulfan I	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.05 - 0.10
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608	0.05	0.002 - 0.009	0.05 - 0.10
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.05 - 0.10
Endrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.05 - 0.10
Ethylbenzene	ug/L				DNQ Est. Conc. 0.11	ND	DNQ Est. Conc. 0.19	EPA 624	2	0.10 - 0.18	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625	1	0.24	10.0 - 20.0
Fluorene	ug/L				ND	ND	ND	EPA 625	10	0.35	100 - 200
gamma-BHC (Lindane)	ug/L				ND	ND	ND	EPA 608	0.02	0.0009 - 0.001	0.05 - 0.10
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.05 - 0.10
Heptachlor	ug/L				ND	ND	ND	EPA 608	0.01	0.0008 - 0.0009	0.05 - 0.10
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625	1	0.17	10.0 - 20.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625	1	0.33	10.0 - 20.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625	5	0.53	50.0 - 100
Hexachloroethane	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0 - 20.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625	10	0.12	100 - 200
Isophorone	ug/L				ND	ND	ND	EPA 625	1	0.11	10.0 - 20.0
Lead	ug/L	1.24			0.66	1.1	1.44	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L				0.08	0.1	0.20	EPA 245.1	0.5	0.004 - 0.017	0.04 - 0.050
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.20 - 0.33	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	DNQ Est. Conc. 0.22	EPA 624	2	0.15 - 0.19	0.50
Methylene chloride	ug/L				0.58	0.76	0.94	EPA 624	2	0.18 - 0.19	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 1625 (Mod.)/EPA 625	5	0.0003 - 0.50	0.020 - 100
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA 1625 (Mod.)/EPA 625	5	0.0005 - 0.34	0.020 - 100
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625	1	0.28	10.0 - 20.0
Naphthalene	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0 - 20.0
Nickel	ug/L				3.03	3.18	3.33	EPA 200.8	1	0.12	1.00
Nitrobenzene	ug/L				ND	ND	ND	EPA 625	1	0.17	10.0 - 20.0
PCB-105	pg/L				94	94	94	EPA 1668		2.7	21
PCB-110/115	pg/L				DNQ Est. Conc. 280(1)	ND	DNQ Est. Conc. 280(1)	EPA 1668		2.5	420
PCB-114	pg/L				DNQ Est. Conc. 5.3	ND	DNQ Est. Conc. 5.3	EPA 1668		2.7	21
PCB-118	pg/L				220(1)	220	220(1)	EPA 1668		2.5	21
PCB-123	pg/L				DNQ Est. Conc. 3.4	ND	DNQ Est. Conc. 3.4	EPA 1668		2.7	21
PCB-126	pg/L				ND	ND	ND	EPA 1668		2.8	21
PCB-128/166	pg/L				DNQ Est. Conc. 28	ND	DNQ Est. Conc. 28	EPA 1668		2.9	420
PCB-129/138/163	pg/L				DNQ Est. Conc. 370	ND	DNQ Est. Conc. 370	EPA 1668		3.8	630
PCB-135/151	pg/L				DNQ Est. Conc. 95	ND	DNQ Est. Conc. 95	EPA 1668		3.4	420
PCB-147/149	pg/L				DNQ Est. Conc. 210(1)	ND	DNQ Est. Conc. 210(1)	EPA 1668		3.2	420
PCB-153/168	pg/L				DNQ Est. Conc. 270(1)	ND	DNQ Est. Conc. 270(1)	EPA 1668		2.6	420

Long Beach Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
PCB-156/157	pg/L							DNQ Est. Conc. 36		
PCB-158	pg/L							DNQ Est. Conc. 28		
PCB-167	pg/L							DNQ Est. Conc. 10		
PCB-169	pg/L							ND		
PCB-170	pg/L							DNQ Est. Conc. 71		
PCB-177	pg/L							DNQ Est. Conc. 46		
PCB-18/30	pg/L							DNQ Est. Conc. 61(1)		
PCB-180/193	pg/L							DNQ Est. Conc. 200		
PCB-183	pg/L							DNQ Est. Conc. 59(1)		
PCB-187	pg/L							DNQ Est. Conc. 100		
PCB-189	pg/L							DNQ Est. Conc. 3.5		
PCB-194	pg/L							DNQ Est. Conc. 50		
PCB-20/28	pg/L							DNQ Est. Conc. 140(1)		
PCB-201	pg/L							DNQ Est. Conc. 7.9		
PCB-206	pg/L							DNQ Est. Conc. 35		
PCB-37	pg/L							DNQ Est. Conc. 40		
PCB-44/47/65	pg/L							DNQ Est. Conc. 160(1)		
PCB-49/69	pg/L							DNQ Est. Conc. 61(1)		
PCB-52	pg/L							210(1)		
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 260(1)		
PCB-66	pg/L							DNQ Est. Conc. 120		
PCB-77	pg/L							DNQ Est. Conc. 14		
PCB-81	pg/L							ND		
PCB-86/87/97/108/119/125	pg/L							DNQ Est. Conc. 170		
PCB-90/101/113	pg/L							DNQ Est. Conc. 260(1)		
PCB-99	pg/L							DNQ Est. Conc. 110		
Pentachlorophenol	ug/L	ND						ND		
Phenanthrene	ug/L	ND						ND		
Phenol	ug/L	38.1						57.2		
pH	SU	7.4	7.4	7.5	7.4	7.6	7.5	7.4	7.5	7.3
Polychlorinated Biphenyls (PCBs), Sum (as congeners)	ug/L	ND						0.000524		
Pyrene	ug/L	ND						ND		
Selenium	ug/L	1.09			DNQ Est. Conc. 0.79			DNQ Est. Conc. 0.92		
Silver	ug/L	0.29						DNQ Est. Conc. 0.14		
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	ND						ND		
Toluene	ug/L	31.1						19.0		
Total cyanide	mg/L	ND						DNQ Est. Conc. 0.0034		
Total suspended solids	mg/L	348	355	345	381	421	308	304	328	329
Toxaphene	ug/L	ND						ND		
trans-1,2-Dichloroethene	ug/L	ND						ND		
Trichloroethene	ug/L	ND						ND		
Vinyl chloride	ug/L	ND						ND		
Zinc	ug/L	139			75.7			96.3		

Long Beach Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
PCB-156/157	pg/L				DNQ Est. Conc. 36	ND	DNQ Est. Conc. 36	EPA 1668		8.7	42
PCB-158	pg/L				DNQ Est. Conc. 28	ND	DNQ Est. Conc. 28	EPA 1668		2.4	210
PCB-167	pg/L				DNQ Est. Conc. 10	ND	DNQ Est. Conc. 10	EPA 1668		5.9	21
PCB-169	pg/L				ND	ND	ND	EPA 1668		6.9	21
PCB-170	pg/L				DNQ Est. Conc. 71	ND	DNQ Est. Conc. 71	EPA 1668		1.5	210
PCB-177	pg/L				DNQ Est. Conc. 46	ND	DNQ Est. Conc. 46	EPA 1668		1.5	210
PCB-18/30	pg/L				DNQ Est. Conc. 61(1)	ND	DNQ Est. Conc. 61(1)	EPA 1668		1.8	420
PCB-180/193	pg/L				DNQ Est. Conc. 200	ND	DNQ Est. Conc. 200	EPA 1668		1.2	420
PCB-183	pg/L				DNQ Est. Conc. 59(1)	ND	DNQ Est. Conc. 59(1)	EPA 1668		1.3	210
PCB-187	pg/L				DNQ Est. Conc. 100	ND	DNQ Est. Conc. 100	EPA 1668		0.66	210
PCB-189	pg/L				DNQ Est. Conc. 3.5	ND	DNQ Est. Conc. 3.5	EPA 1668		0.84	21
PCB-194	pg/L				DNQ Est. Conc. 50	ND	DNQ Est. Conc. 50	EPA 1668		0.98	210
PCB-20/28	pg/L				DNQ Est. Conc. 140(1)	ND	DNQ Est. Conc. 140(1)	EPA 1668		6.7	420
PCB-201	pg/L				DNQ Est. Conc. 7.9	ND	DNQ Est. Conc. 7.9	EPA 1668		0.43	210
PCB-206	pg/L				DNQ Est. Conc. 35	ND	DNQ Est. Conc. 35	EPA 1668		1.9	210
PCB-37	pg/L				DNQ Est. Conc. 40	ND	DNQ Est. Conc. 40	EPA 1668		7.3	210
PCB-44/47/65	pg/L				DNQ Est. Conc. 160(1)	ND	DNQ Est. Conc. 160(1)	EPA 1668		2.9	630
PCB-49/69	pg/L				DNQ Est. Conc. 61(1)	ND	DNQ Est. Conc. 61(1)	EPA 1668		2.5	420
PCB-52	pg/L				210(1)	210	210(1)	EPA 1668		3.2	210
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 260(1)	ND	DNQ Est. Conc. 260(1)	EPA 1668		2.2	840
PCB-66	pg/L				DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668		2.3	210
PCB-77	pg/L				DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14	EPA 1668		2.3	21
PCB-81	pg/L				ND	ND	ND	EPA 1668		2.2	21
PCB-86/87/97/108/119/125	pg/L				DNQ Est. Conc. 170	ND	DNQ Est. Conc. 170	EPA 1668		2.8	1300
PCB-90/101/113	pg/L				DNQ Est. Conc. 260(1)	ND	DNQ Est. Conc. 260(1)	EPA 1668		2.8	630
PCB-99	pg/L				DNQ Est. Conc. 110	ND	DNQ Est. Conc. 110	EPA 1668		3.0	210
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.62	10.0 - 20.0
Phenanthrene	ug/L				ND	ND	ND	EPA 625	5	0.31	50.0 - 100
Phenol	ug/L				38.1	47.7	57.2	EPA 625	1	0.12	10.0 - 20.0
pH	SU	7.5	7.4	7.2	7.2	7.4	7.6	SM 4500 H+ B		1.00	1.00 - 4.00
Polychlorinated Biphenyls (PCBs), Sum (as congeners)	ug/L				ND	0.000262	0.000524	EPA 1668			
Pyrene	ug/L				ND	ND	ND	EPA 625	10	0.28	100 - 200
Selenium	ug/L	DNQ Est. Conc. 0.86			DNQ Est. Conc. 0.79	0.27	1.09	EPA 200.8	2	0.04	1.00
Silver	ug/L				DNQ Est. Conc. 0.14	0.15	0.29	EPA 200.8	0.25	0.02	0.20
Tetrachloroethene	ug/L				ND	ND	ND	EPA 624	2	0.18 - 0.25	0.50
Thallium	ug/L				ND	ND	ND	EPA 200.8	1	0.015	0.25
Toluene	ug/L				19.0	25.1	31.1	EPA 624	2	0.08 - 0.19	0.50
Total cyanide	mg/L				ND	ND	DNQ Est. Conc. 0.0034	EPA335.4 Tot. Cyn./SM4500 CN E		0.0010 - 0.0027	0.0050
Total suspended solids	mg/L	355	409	303	303	349	421	SM 2540D		2.5	50.0 - 167
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.05 - 0.08	2.5 - 5.0
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624	1	0.16 - 0.45	0.50
Trichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.25 - 0.28	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.20 - 0.26	0.50
Zinc	ug/L	123			75.7	109	139	EPA 200.8	1	0.60	1.00

(1) Blank contamination observed.

Long Beach WRP Effluent Monitoring

Long Beach Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August *	September
1,1-Dichloroethane	ug/L	ND						ND		
1,1-Dichloroethene	ug/L	ND						ND		
1,1,1-Trichloroethane	ug/L	ND						ND		
1,1,2-Trichloroethane	ug/L	ND						ND		
1,1,2,2-Tetrachloroethane	ug/L	ND						ND		
1,2-Dichlorobenzene	ug/L	ND						ND		
1,2-Dichloroethane	ug/L	ND						ND		
1,2-Dichloropropane	ug/L	ND						ND		
1,2-Diphenylhydrazine	ug/L	ND						ND		
1,2,3-Trichloropropane	ug/L	ND						ND		
1,2,3,4,6,7,8-HeptaCDD	pg/L	ND(1)						ND(1)(2)		
1,2,3,4,6,7,8-HeptaCDF	pg/L	ND						ND(1)(2)		
1,2,3,4,7,8-HexaCDD	pg/L	ND(1)						ND(1)(2)		
1,2,3,4,7,8-HexaCDF	pg/L	ND						ND		
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND						ND(1)		
1,2,3,6,7,8-HexaCDD	pg/L	ND						ND(1)(2)		
1,2,3,6,7,8-HexaCDF	pg/L	ND						ND(1)		
1,2,3,7,8-PentaCDD	pg/L	ND						ND		
1,2,3,7,8-PentaCDF	pg/L	ND						ND(1)(2)		
1,2,3,7,8,9-HexaCDD	pg/L	ND						ND(1)(2)		
1,2,3,7,8,9-HexaCDF	pg/L	ND						ND(1)		
1,2,4-Trichlorobenzene	ug/L	ND						ND		
1,3-Dichlorobenzene	ug/L	ND						ND		
1,3-Dichloropropene (Total)	ug/L	ND						ND		
1,4-Dichlorobenzene	ug/L	ND						ND		
1,4-Dioxane	ug/L	1.6						1.5		
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND		
2-Chloronaphthalene	ug/L	ND						ND		
2-Chlorophenol	ug/L	ND						ND		
2-Methyl-4,6-dinitrophenol	ug/L	ND						ND		
2-Nitrophenol	ug/L	ND						ND		
2,3,4,6,7,8-HexaCDF	pg/L	ND						ND		
2,3,4,7,8-PentaCDF	pg/L	ND						ND		
2,3,7,8-TCDD	pg/L	ND						ND		
2,3,7,8-TetraCDF	pg/L	ND						ND(1)		
2,4-Dichlorophenol	ug/L	ND						ND		
2,4-Dimethylphenol	ug/L	ND						ND		
2,4-Dinitrophenol	ug/L	ND						ND		
2,4-Dinitrotoluene	ug/L	ND						ND		
2,4,6-Trichlorophenol	ug/L	ND						ND		
2,6-Dinitrotoluene	ug/L	ND						ND		
3-Methyl-4-chlorophenol	ug/L	ND						ND		
3,3'-Dichlorobenzidine	ug/L	ND						ND		
4-Bromophenyl phenyl ether	ug/L	ND						ND		
4-Chlorophenyl phenyl ether	ug/L	ND						ND		
4-Nitrophenol	ug/L	ND						ND		
4,4'-DDD	ug/L	ND						ND		
4,4'-DDE	ug/L	ND						ND		
4,4'-DDT	ug/L	ND						ND		
Acenaphthene	ug/L	ND						ND		
Acenaphthylene	ug/L	ND						ND		
Acrolein	ug/L	ND						ND		
Acrylonitrile	ug/L	ND						ND		
Aldrin	ug/L	ND						ND		
alpha-BHC	ug/L	ND						ND		
Ammonia as nitrogen	mg/L	2.46	1.50	3.69	2.45	2.86	1.28	1.61	1.63	0.950
Anthracene	ug/L	ND						ND		
Antimony	ug/L	DNQ Est. Conc. 0.45			0.54			0.59		
Aroclor 1016	ug/L	ND						ND		
Aroclor 1221	ug/L	ND						ND		
Aroclor 1232	ug/L	ND						ND		
Aroclor 1242	ug/L	ND						ND		

Long Beach Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L				ND	ND	ND			EPA 624	1	0.20 - 0.22	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND			EPA 624	2	0.32 - 0.43	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.17 - 0.21	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.09 - 0.24	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND			EPA 624	1	0.11 - 0.13	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.07 - 0.18	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.11 - 0.22	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND			EPA 624	1	0.11 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND			EPA 625	1	0.20	1.0
1,2,3-Trichloropropane	ug/L				ND	ND	ND			EPA 524.2 (TCP)		0.012 - 0.024	0.050 - 0.10
1,2,3,4,6,7,8-HeptaCDD	pg/L				ND(1)(2)	ND	ND(1)(2)			EPA 1613B		0.18 - 0.41	55 - 57
1,2,3,4,6,7,8-HeptaCDF	pg/L				ND(1)(2)	ND	ND(1)(2)			EPA 1613B		0.22 - 0.97	55 - 57
1,2,3,4,7,8-HexaCDD	pg/L				ND(1)(2)	ND	ND(1)(2)			EPA 1613B		0.30 - 0.46	55 - 57
1,2,3,4,7,8-HexaCDF	pg/L				ND	ND	ND			EPA 1613B		0.47 - 0.53	55 - 57
1,2,3,4,7,8,9-HeptaCDF	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.26 - 1.2	55 - 57
1,2,3,6,7,8-HexaCDD	pg/L				ND(1)(2)	ND	ND(1)(2)			EPA 1613B		0.30 - 0.44	55 - 57
1,2,3,6,7,8-HexaCDF	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.45 - 0.48	55 - 57
1,2,3,7,8-PentaCDD	pg/L				ND	ND	ND			EPA 1613B		0.41 - 0.55	55 - 57
1,2,3,7,8-PentaCDF	pg/L				ND(1)(2)	ND	ND(1)(2)			EPA 1613B		0.28 - 0.31	55 - 57
1,2,3,7,8,9-HexaCDD	pg/L				ND(1)(2)	ND	ND(1)(2)			EPA 1613B		0.27 - 0.41	55 - 57
1,2,3,7,8,9-HexaCDF	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.22 - 0.32	55 - 57
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND			EPA 625	5	0.19	5.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.08 - 0.21	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.16 - 0.18	0.50
1,4-Dioxane	ug/L				1.5	1.6	1.6			SW-846 8270MOD 1,4-Dioxane		0.13	0.40
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND			EPA 624	1	0.12 - 0.29	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND			EPA 625	10	0.13	10.0
2-Chlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.18	5.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND			EPA 625	5	0.92	5.0
2-Nitrophenol	ug/L				ND	ND	ND			EPA 625	10	0.10	10.0
2,3,4,6,7,8-HexaCDF	pg/L				ND	ND	ND			EPA 1613B		0.27 - 0.37	55 - 57
2,3,4,7,8-PentaCDF	pg/L				ND	ND	ND			EPA 1613B		0.31 - 0.34	55 - 57
2,3,7,8-TCDD	pg/L				ND	ND	ND			EPA 1613B		0.24 - 0.28	11
2,3,7,8-TetraCDF	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.18 - 0.19	11
2,4-Dichlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.63	5.0
2,4-Dimethylphenol	ug/L				ND	ND	ND			EPA 625	2	0.88	2.0
2,4-Dinitrophenol	ug/L				ND	ND	ND			EPA 625	5	2.8	5.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625	5	0.27	5.0
2,4,6-Trichlorophenol	ug/L				ND	ND	ND			EPA 625	10	0.21	10.0
2,6-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625	5	0.28	5.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND			EPA 625	1	0.44	1.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND			EPA 625	5	0.81	5.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625	5	0.27	5.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625	5	0.32	5.0
4-Nitrophenol	ug/L				ND	ND	ND			EPA 625	10	1.3	10.0
4,4'-DDD	ug/L				ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L				ND	ND	ND			EPA 608	0.05	0.001	0.01
4,4'-DDT	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L				ND	ND	ND			EPA 625	1	0.22	1.0
Acenaphthylene	ug/L				ND	ND	ND			EPA 625	10	0.19	10.0
Acrolein	ug/L				ND	ND	ND			EPA 624		0.93 - 1.3	2.0
Acrylonitrile	ug/L				ND	ND	ND			EPA 624		0.20 - 0.79	2.0
Aldrin	ug/L				ND	ND	ND			EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L				ND	ND	ND			EPA 608	0.01	0.0005 - 0.002	0.01
Ammonia as nitrogen	mg/L	0.978	1.73	1.04	0.950	1.85	3.69	7.9	4.1	SM 4500 NH3 G		0.020	0.100 - 0.400
Anthracene	ug/L				ND	ND	ND			EPA 625	10	0.19	10.0
Antimony	ug/L	DNQ Est. Conc. 0.40			DNQ Est. Conc. 0.40	0.28	0.59			EPA 200.8	0.5	0.32	0.50
Aroclor 1016	ug/L				ND	ND	ND			EPA 608	0.5	0.02 - 0.03	0.1
Aroclor 1221	ug/L				ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L				ND	ND	ND			EPA 608	0.5	0.09 - 0.1	0.3
Aroclor 1242	ug/L				ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1

Long Beach Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August *	September
Aroclor 1248	ug/L	ND						ND		
Aroclor 1254	ug/L	ND						ND		
Aroclor 1260	ug/L	ND						ND		
Arsenic	ug/L	2.16			2.26			3.02		
Barium	ug/L	58.4			53.1			70.9		
Benzene	ug/L	ND						ND		
Benzidine	ug/L	ND						ND		
Benzo(a)anthracene	ug/L	ND						ND		
Benzo(a)pyrene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ug/L	ND						ND		
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beryllium	ug/L	ND			ND			ND		
beta-BHC	ug/L	ND						ND		
bis(2-Chloroethoxy) methane	ug/L	ND						ND		
bis(2-Chloroethyl) ether	ug/L	ND						ND		
bis(2-Chloroisopropyl) ether	ug/L	ND						ND		
bis(2-Ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 0.26						ND		
BOD5 20°C	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.30	0.33	0.31	0.33	0.32	0.31	0.30	0.30	0.33
Bromodichloromethane	ug/L	9.3						5.5		
Bromoform	ug/L	0.64						DNQ Est. Conc. 0.40		
Butyl benzyl phthalate	ug/L	ND						ND		
Cadmium	ug/L	ND			ND			ND		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chloride	mg/L	164	142	139	140	140	147	170	165	155
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	4.0						2.0		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	11.5						9.4		
Chromium III	ug/L	ND			ND			ND		
Chromium VI	ug/L	0.05			DNQ Est. Conc. 0.03			0.05		
Chromium, total (24-hr composite)	ug/L	DNQ Est. Conc. 0.35			DNQ Est. Conc. 0.31			DNQ Est. Conc. 0.30		
Chromium, total (Grab)	ug/L	DNQ Est. Conc. 0.32			DNQ Est. Conc. 0.29			DNQ Est. Conc. 0.33		
Chrysene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	ug/L	1.73	1.99	1.39	1.73	0.95	0.92	1.04	0.78	1.5
delta-BHC	ug/L	ND						ND		
Di-n-butyl phthalate	ug/L	ND						ND		
Di-n-octyl phthalate	ug/L	ND						ND		
Diazinon	ug/L	ND						ND		
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	ug/L	ND						ND		
Diethyl phthalate	ug/L	ND						DNQ Est. Conc. 0.80		
Dimethyl phthalate	ug/L	ND						ND		
Dissolved oxygen	mg/L	7.6	7.4	7.5	7.2	7.1	7.3	6.5	6.6	6.4
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	ug/L	ND						ND		
Endosulfan I	ug/L	ND						ND		
Endosulfan sulfate	ug/L	ND						ND		
Endrin aldehyde	ug/L	ND						ND		
Endrin	ug/L	ND						ND		
Ethylbenzene	ug/L	ND						ND		
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L	ND						ND		
Fluorene	ug/L	ND						ND		
Fluoride	mg/L	0.532			0.615			0.592		
gamma-BHC (Lindane)	ug/L	ND						DNQ Est. Conc. 0.009		
Gross alpha radioactivity	pCi/L	ND			ND			ND		
Gross beta radioactivity	pCi/L	12.2			5.72			11.1		
Heptachlor epoxide	ug/L	ND						ND		
Heptachlor	ug/L	ND						ND		
Hexachlorobenzene	ug/L	ND						ND		

Long Beach Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Aroclor 1248	ug/L				ND	ND	ND			EPA 608	0.5	0.02 - 0.03	0.1
Aroclor 1254	ug/L				ND	ND	ND			EPA 608	0.5	0.01 - 0.02	0.05
Aroclor 1260	ug/L				ND	ND	ND			EPA 608	0.5	0.01 - 0.02	0.1
Arsenic	ug/L	4.56			2.16	3.00	4.56			EPA 200.8	2	0.14	1.00
Barium	ug/L	40.2			40.2	55.7	70.9			EPA 200.8		0.076 - 0.08	0.50
Benzene	ug/L				ND	ND	ND			EPA 624	2	0.11 - 0.15	0.50
Benzidine	ug/L				ND	ND	ND			EPA 625	5	1.8	5.0
Benzo(a)anthracene	ug/L				ND	ND	ND			EPA 625	5	0.14	5.0
Benzo(a)pyrene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.007	0.020
Benzo(b)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L				ND	ND	ND			EPA 625	5	0.12	5.0
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.005	0.020
Beryllium	ug/L	ND			ND	ND	ND			EPA 200.8	0.5	0.030	0.25
beta-BHC	ug/L				ND	ND	ND			EPA 608	0.005	0.002 - 0.004	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND			EPA 625	5	0.11	5.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND			EPA 625	1	0.20	1.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND			EPA 625	2	0.20	2.0
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	DNQ Est. Conc. 0.26			EPA 625	5	0.16	2.0
BOD5 20°C	mg/L	ND	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3
Boron	mg/L	0.28	0.30	0.34	0.28	0.31	0.34			EPA 200.8		0.008	0.020
Bromodichloromethane	ug/L				5.5	7.4	9.3			EPA 624	2	0.14 - 0.17	0.50
Bromoform	ug/L				DNQ Est. Conc. 0.40	0.32	0.64			EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.12	10.0
Cadmium	ug/L	ND			ND	ND	ND			EPA 200.8	0.25	0.031	0.20
Carbon tetrachloride	ug/L				ND	ND	ND			EPA 624	2	0.17 - 0.28	0.50
Chlordane	ug/L				ND	ND	ND			EPA 608	0.1	0.01 - 0.02	0.05
Chloride	mg/L	156	145	140	139	150	170			EPA 300.0		0.040 - 0.100	10.0
Chlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.11 - 0.13	0.50
Chlorodibromomethane	ug/L				2.0	3.0	4.0			EPA 624	2	0.14 - 0.22	0.50
Chloroethane	ug/L				ND	ND	ND			EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L				9.4	10	11.5			EPA 624	2	0.14 - 0.18	0.50
Chromium III	ug/L	ND			ND	ND	ND			EPA 200.8			0.50
Chromium VI	ug/L	DNQ Est. Conc. 0.04			DNQ Est. Conc. 0.03	0.03	0.05			EPA 218.6 (Dissolved)		0.01 - 0.02	0.05
Chromium, total (24-hr composite)	ug/L	DNQ Est. Conc. 0.35			DNQ Est. Conc. 0.30	ND	DNQ Est. Conc. 0.35			EPA 200.8	0.5	0.11	0.50
Chromium, total (Grab)	ug/L	DNQ Est. Conc. 0.31			DNQ Est. Conc. 0.29	ND	DNQ Est. Conc. 0.33			EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.005	0.020
Copper	ug/L	1.1	0.89	1.37	0.78	1.3	1.99	20(3)27(4)	18(3)	EPA 200.8	0.5	0.11	0.50
delta-BHC	ug/L				ND	ND	ND			EPA 608	0.005	0.001 - 0.004	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.12	10.0
Di-n-octyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.11	10.0
Diazinon	ug/L				ND	ND	ND			SW-846 8141A		0.004	0.05
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.004	0.020
Dieldrin	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				ND	ND	DNQ Est. Conc. 0.80			EPA 625	2	0.26	2.0
Dimethyl phthalate	ug/L				ND	ND	ND			EPA 625	2	0.28	2.0
Dissolved oxygen	mg/L	6.5	6.2	7.5	6.2	7.0	7.6			HACH 10360 LDO			
E. coli	No./100mL	ND	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1.0
Endosulfan II	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Endosulfan I	ug/L				ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L				ND	ND	ND			EPA 608	0.05	0.002 - 0.009	0.01
Endrin aldehyde	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L				ND	ND	ND			EPA 624	2	0.10 - 0.18	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND			SM 9222D		1	1
Fluoranthene	ug/L				ND	ND	ND			EPA 625	1	0.24	1.0
Fluorene	ug/L				ND	ND	ND			EPA 625	10	0.35	10.0
Fluoride	mg/L	0.527			0.527	0.567	0.615			SM 4500 F C		0.004	0.100
gamma-BHC (Lindane)	ug/L				ND	ND	DNQ Est. Conc. 0.009			EPA 608	0.02	0.0009 - 0.001	0.01
Gross alpha radioactivity	pCi/L	1.78			ND	0.445	1.78			EPA 900.0		1.24 - 5.69	1.24 - 5.69
Gross beta radioactivity	pCi/L	13.7			5.72	10.7	13.7			EPA 900.0		0.991 - 2.68	0.991 - 4.00
Heptachlor epoxide	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L				ND	ND	ND			EPA 608	0.01	0.0008 - 0.0009	0.01
Hexachlorobenzene	ug/L				ND	ND	ND			EPA 625	1	0.17	1.0

Long Beach Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August *	September
Hexachlorobutadiene	ug/L	ND						ND		
Hexachlorocyclopentadiene	ug/L	ND						ND		
Hexachloroethane	ug/L	ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	ug/L	ND						ND		
Lead	ug/L	DNQ Est. Conc. 0.13	DNQ Est. Conc. 0.07	DNQ Est. Conc. 0.06	DNQ Est. Conc. 0.08	DNQ Est. Conc. 0.06	DNQ Est. Conc. 0.04	DNQ Est. Conc. 0.08	DNQ Est. Conc. 0.04	DNQ Est. Conc. 0.05
Mercury	ug/L	0.0039			0.0012			0.00068		
Methyl bromide (Bromomethane)	ug/L	ND						DNQ Est. Conc. 0.38		
Methyl chloride (Chloromethane)	ug/L	ND						DNQ Est. Conc. 0.30		
Methyl tert-butyl ether (MTBE)	ug/L	ND						ND		
Methylene chloride	ug/L	ND						DNQ Est. Conc. 0.19		
n-Nitrosodi-n-propylamine	ug/L	ND						ND	ND	
n-Nitrosodimethylamine (NDMA)	ug/L	1.2	1.0	1.4	0.71	1.5	0.64	1.3	0.72	1.5
n-Nitrosodiphenylamine	ug/L	ND						ND	ND	
Naphthalene	ug/L	ND						ND		
Nickel	ug/L	1.12			1.30			1.32		
Nitrate + nitrite as nitrogen	mg/L	5.51	5.05	4.78	5.92	6.78	5.26	3.89	4.24	3.82
Nitrate as nitrogen	mg/L	5.39	4.97	4.38	5.52	6.14	5.17	3.63	4.04	3.75
Nitrite as nitrogen	mg/L	0.119	0.084	0.395	0.401	0.645	0.095	0.257	0.202	0.071
Nitrobenzene	ug/L	ND						ND		
OctaCDD	pg/L	ND(1)						ND(1)		
OctaCDF	pg/L	ND(1)(2)						ND(1)		
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Organic nitrogen	mg/L	1.88	2.00	2.64	3.50	2.41	2.44	1.49	2.02	2.42
PCB-105	pg/L							DNQ Est. Conc. 3.4		
PCB-110/115	pg/L							DNQ Est. Conc. 11(1)		
PCB-114	pg/L							ND		
PCB-118	pg/L							DNQ Est. Conc. 6.6(1)		
PCB-123	pg/L							ND		
PCB-126	pg/L							ND		
PCB-128/166	pg/L							ND		
PCB-129/138/163	pg/L							DNQ Est. Conc. 5.8(1)		
PCB-135/151	pg/L							DNQ Est. Conc. 1.9		
PCB-147/149	pg/L							DNQ Est. Conc. 4.0(1)		
PCB-153/168	pg/L							ND(1)		
PCB-156/157	pg/L							ND		
PCB-158	pg/L							ND		
PCB-167	pg/L							ND		
PCB-169	pg/L							ND		
PCB-170	pg/L							ND		
PCB-177	pg/L							ND		
PCB-18/30	pg/L							DNQ Est. Conc. 9.1(1)		
PCB-180/193	pg/L							DNQ Est. Conc. 1.8		
PCB-183	pg/L							ND(1)		
PCB-187	pg/L							DNQ Est. Conc. 0.64		
PCB-189	pg/L							ND		
PCB-194	pg/L							ND		
PCB-20/28	pg/L							DNQ Est. Conc. 13(1)		
PCB-201	pg/L							ND		
PCB-206	pg/L							ND		
PCB-37	pg/L							DNQ Est. Conc. 2.2(2)		
PCB-44/47/65	pg/L							DNQ Est. Conc. 120(1)		
PCB-49/69	pg/L							DNQ Est. Conc. 4.9(1)		
PCB-52	pg/L							DNQ Est. Conc. 14(1)		
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 13(1)		
PCB-66	pg/L							DNQ Est. Conc. 4.9		
PCB-77	pg/L							ND		
PCB-81	pg/L							ND		
PCB-86/87/97/108/119/125	pg/L							DNQ Est. Conc. 6.5		
PCB-90/101/113	pg/L							DNQ Est. Conc. 9.6(1)		
PCB-99	pg/L							DNQ Est. Conc. 5.2		
Pentachlorophenol	ug/L	ND						ND		
Perchlorate	ug/L	0.57						0.68		

Long Beach Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Hexachlorobutadiene	ug/L				ND	ND	ND			EPA 625	1	0.33	1.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND			EPA 625	5	0.53	5.0
Hexachloroethane	ug/L				ND	ND	ND			EPA 625	1	0.13	1.0
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.004	0.020
Isophorone	ug/L				ND	ND	ND			EPA 625	1	0.11	1.0
Lead	ug/L	DNQ Est. Conc. 0.06	DNQ Est. Conc. 0.04	DNQ Est. Conc. 0.06	DNQ Est. Conc. 0.04	ND	DNQ Est. Conc. 0.13	106(3)		EPA 200.8	0.5	0.01	0.25
Mercury	ug/L	0.0022			0.00068	0.0020	0.0039			EPA 1631E		0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L				ND	ND	DNQ Est. Conc. 0.38			EPA 624	2	0.20 - 0.33	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	DNQ Est. Conc. 0.30			EPA 624	2	0.15 - 0.19	0.50
Methyl tert-butyl ether (MTBE)	ug/L				ND	ND	ND			EPA 624		0.08 - 0.12	0.50
Methylene chloride	ug/L				ND	ND	DNQ Est. Conc. 0.19			EPA 624	2	0.18 - 0.19	0.50
n-Nitrosodi-n-propylamine	ug/L	ND	ND	ND	ND	ND	ND			EPA1625 (Mod.)/EPA625		0.0003 - 0.50	0.010 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L	6.6	2.0	0.69	0.64	1.6	6.6			EPA 1625 (Modified)	5	0.0005	0.010 - 0.050
n-Nitrosodiphenylamine	ug/L	ND	ND	ND	ND	ND	ND			EPA1625 (Mod.)/EPA625	1	0.0013 - 0.28	0.050 - 1.0
Naphthalene	ug/L				ND	ND	ND			EPA 625	1	0.13	1.0
Nickel	ug/L	1.28			1.12	1.26	1.32			EPA 200.8	1	0.12	1.00
Nitrate + nitrite as nitrogen	mg/L	5.01	6.80	6.46	3.82	5.29	6.80		8	SM 4500 NO3 F		0.030 - 0.040	0.200
Nitrate as nitrogen	mg/L	4.94	6.70	6.41	3.63	5.09	6.70			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.068	0.098	0.049	0.049	0.21	0.645		1	SM 4500 NO3 F		0.003 - 0.009	0.030
Nitrobenzene	ug/L				ND	ND	ND			EPA 625	1	0.17	1.0
OctaCDD	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.21 - 0.35	110
OctaCDF	pg/L				ND(1)(2)	ND	ND(1)(2)			EPA 1613B		0.26 - 0.52	110
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	15	10	EPA 1664A		1.2	4.4 - 4.7
Organic nitrogen	mg/L	1.67	2.15	2.08	1.49	2.23	3.50			EPA351.2/SM4500 NH3 G		0.050 - 0.135	0.200
PCB-105	pg/L				DNQ Est. Conc. 3.4	ND	DNQ Est. Conc. 3.4			EPA 1668		0.50	22
PCB-110/115	pg/L				DNQ Est. Conc. 11(1)	ND	DNQ Est. Conc. 11(1)			EPA 1668		0.46	440
PCB-114	pg/L				ND	ND	ND			EPA 1668		0.48	22
PCB-118	pg/L				DNQ Est. Conc. 6.6(1)	ND	DNQ Est. Conc. 6.6(1)			EPA 1668		0.47	22
PCB-123	pg/L				ND	ND	ND			EPA 1668		0.49	22
PCB-126	pg/L				ND	ND	ND			EPA 1668		0.50	22
PCB-128/166	pg/L				ND	ND	ND			EPA 1668		0.42	440
PCB-129/138/163	pg/L				DNQ Est. Conc. 5.8(1)	ND	DNQ Est. Conc. 5.8(1)			EPA 1668		0.55	670
PCB-135/151	pg/L				DNQ Est. Conc. 1.9	ND	DNQ Est. Conc. 1.9			EPA 1668		0.49	440
PCB-147/149	pg/L				DNQ Est. Conc. 4.0(1)	ND	DNQ Est. Conc. 4.0(1)			EPA 1668		0.46	440
PCB-153/168	pg/L				ND(1)	ND	ND(1)			EPA 1668		0.38	440
PCB-156/157	pg/L				ND	ND	ND			EPA 1668		0.56	44
PCB-158	pg/L				ND	ND	ND			EPA 1668		0.34	220
PCB-167	pg/L				ND	ND	ND			EPA 1668		0.39	22
PCB-169	pg/L				ND	ND	ND			EPA 1668		0.42	22
PCB-170	pg/L				ND	ND	ND			EPA 1668		0.37	220
PCB-177	pg/L				ND	ND	ND			EPA 1668		0.36	220
PCB-18/30	pg/L				DNQ Est. Conc. 9.1(1)	ND	DNQ Est. Conc. 9.1(1)			EPA 1668		1.1	440
PCB-180/193	pg/L				DNQ Est. Conc. 1.8	ND	DNQ Est. Conc. 1.8			EPA 1668		0.29	440
PCB-183	pg/L				ND(1)	ND	ND(1)			EPA 1668		0.31	220
PCB-187	pg/L				DNQ Est. Conc. 0.64	ND	DNQ Est. Conc. 0.64			EPA 1668		0.31	220
PCB-189	pg/L				ND	ND	ND			EPA 1668		0.31	22
PCB-194	pg/L				ND	ND	ND			EPA 1668		0.38	220
PCB-20/28	pg/L				DNQ Est. Conc. 13(1)	ND	DNQ Est. Conc. 13(1)			EPA 1668		1.3	440
PCB-201	pg/L				ND	ND	ND			EPA 1668		0.27	220
PCB-206	pg/L				ND	ND	ND			EPA 1668		1.2	220
PCB-37	pg/L				DNQ Est. Conc. 2.2(2)	ND	DNQ Est. Conc. 2.2(2)			EPA 1668		1.0	220
PCB-44/47/65	pg/L				DNQ Est. Conc. 120(1)	ND	DNQ Est. Conc. 120(1)			EPA 1668		1.2	670
PCB-49/69	pg/L				DNQ Est. Conc. 4.9(1)	ND	DNQ Est. Conc. 4.9(1)			EPA 1668		1.1	440
PCB-52	pg/L				DNQ Est. Conc. 14(1)	ND	DNQ Est. Conc. 14(1)			EPA 1668		1.4	220
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 13(1)	ND	DNQ Est. Conc. 13(1)			EPA 1668		0.79	890
PCB-66	pg/L				DNQ Est. Conc. 4.9	ND	DNQ Est. Conc. 4.9			EPA 1668		0.84	220
PCB-77	pg/L				ND	ND	ND			EPA 1668		0.79	22
PCB-81	pg/L				ND	ND	ND			EPA 1668		0.81	22
PCB-86/87/97/108/119/125	pg/L				DNQ Est. Conc. 6.5	ND	DNQ Est. Conc. 6.5			EPA 1668		0.52	1300
PCB-90/101/113	pg/L				DNQ Est. Conc. 9.6(1)	ND	DNQ Est. Conc. 9.6(1)			EPA 1668		0.53	670
PCB-99	pg/L				DNQ Est. Conc. 5.2	ND	DNQ Est. Conc. 5.2			EPA 1668		0.56	220
Pentachlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.62	1.0
Perchlorate	ug/L				0.57	0.63	0.68			EPA 331.0		0.0201	0.05

Long Beach Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August *	September
Phenanthrene	ug/L	ND						ND		
Phenol	ug/L	ND						DNQ Est. Conc. 0.28		
pH	SU	7.4	7.4	7.4	7.4	7.5	7.5	7.5	7.6	7.6
Polychlorinated Biphenyls (PCBs), Sum (as Aroclors)	ug/L	ND						ND		
Polychlorinated Biphenyls (PCBs), Sum (as congeners)	ug/L	ND						ND		
Pyrene	ug/L	ND						ND		
Radium-226 + radium-228	pCi/L							ND		
Selenium	ug/L	DNQ Est. Conc. 0.27	DNQ Est. Conc. 0.30	DNQ Est. Conc. 0.30	DNQ Est. Conc. 0.32	DNQ Est. Conc. 0.33	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.29	DNQ Est. Conc. 0.25	DNQ Est. Conc. 0.22
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	ND			ND			ND		
Strontium-90	pCi/L	ND			0.333			ND		
Sulfate	mg/L	86.1	81.4	79.6	87.4	98.3	100	132	107	87.6
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	0.12	ND	ND	ND	ND
Temperature	Degrees F	75.5	75.5	75.1	77.1	78.5	80.2	82.9		83.6
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	ND			ND			ND		
Toluene	ug/L	ND						ND		
Total chlorinated hydrocarbons (TICH)	ug/L	ND			ND			ND		
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L	ND			ND			ND		
Total dissolved solids	mg/L	678	614	618	642	663	655	749	685	642
Total hardness (CaCO3)	mg/L	196	172	166	168	177	182	188	174	163
Total Kjeldahl Nitrogen (TKN)	mg/L	4.34	3.50	6.32	5.95	7.05	3.72	3.10	3.65	3.37
Total nitrogen	mg/L	9.85	8.55	11.1	12.0	13.8	8.98	6.99	7.89	7.19
Total phosphorus	mg/L	0.118	0.27	0.166	0.144	1.47	0.286	0.259	0.476	0.907
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	ND		ND
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	ug/L	ND						ND		
Toxic equivalence	pg/L	ND						ND		
trans-1,2-Dichloroethene	ug/L	ND						ND		
Trichloroethene	ug/L	ND						ND		
Tritium	pCi/L	ND			ND			ND		
Turbidity (flow proportioned avg daily value)	NTU	0.59	0.53	0.60	0.50	0.49	0.49	0.52	0.57	0.63
Uranium	pCi/L	0.202			0.362			0.960		
Vinyl chloride	ug/L	ND						ND		
Zinc	ug/L	34.6	30.4	29.5	35.2	26.6	29.9	26.2	21.7	26.5

Long Beach Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Phenanthrene	ug/L				ND	ND	ND			EPA 625	5	0.31	5.0
Phenol	ug/L				ND	ND	DNQ Est. Conc. 0.28			EPA 625	1	0.12	1.0
pH	SU	7.6	7.6	7.5	7.4	7.5	7.6			SM 4500 H+ B		1.00	1.00 - 4.00
Polychlorinated Biphenyls (PCBs), Sum (as Aroclors)	ug/L				ND	ND	ND			EPA 608			
Polychlorinated Biphenyls (PCBs), Sum (as congeners)	ug/L				ND	ND	ND			EPA 1668			
Pyrene	ug/L				ND	ND	ND			EPA 625	10	0.28	10.0
Radium-226 + radium-228	pCi/L	ND			ND	ND	ND			Drinking H2O Rad. Sum Method			1.0
Selenium	ug/L	DNQ Est. Conc. 0.26	DNQ Est. Conc. 0.27	DNQ Est. Conc. 0.28	DNQ Est. Conc. 0.22	ND	DNQ Est. Conc. 0.33	7.5	4.3	EPA 200.8	2	0.04	1.00
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	0.3	0.1	SM 2540F		0.1	0.1
Silver	ug/L	DNQ Est. Conc. 0.02			ND	ND	DNQ Est. Conc. 0.02			EPA 200.8	0.25	0.02	0.20
Strontium-90	pCi/L	ND			ND	0.083	0.333			EPA 905.0		0.283 - 0.394	0.283 - 3.00
Sulfate	mg/L	91.1	89.6	75.6	75.6	93.0	132			EPA 300.0		0.020 - 0.200	2.50
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND	ND			SM 5540D		0.023 - 0.10	0.10 - 0.20
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	0.010	0.12			SM 5540C		0.02 - 0.03	0.10
Temperature	Degrees F	81.4	78.7	75.3	75.1	78.5	83.6	86(5)		EPA 170.1 (oF)			
Tetrachloroethene	ug/L				ND	ND	ND			EPA 624	2	0.18 - 0.25	0.50
Thallium	ug/L	ND			ND	ND	ND			EPA 200.8	1	0.015	0.25
Toluene	ug/L				ND	ND	ND			EPA 624	2	0.08 - 0.19	0.50
Total chlorinated hydrocarbons (TICH)	ug/L	ND			ND	ND	ND			EPA 608			
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	(6)	(6)	SM 9222B		1	1
Total cyanide	ug/L			DNQ Est. Conc. 1.7	ND	ND	DNQ Est. Conc. 1.7			SM 4500 CN E	5	1.0	5.0
Total dissolved solids	mg/L	616	652	580	580	650	749			SM 2540C		2.7	50.0 - 83.3
Total hardness (CaCO3)	mg/L	166	173	148	148	173	196			EPA 200.8 & SM 2340C			0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	2.64	3.88	3.12	2.64	4.22	7.05			EPA 351.2		0.130 - 0.135	0.200 - 1.00
Total nitrogen	mg/L	7.66	10.7	9.58	6.99	9.52	13.8			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.324	2.01	0.258	0.118	0.56	2.01			EPA 365.1		0.001 - 0.028	0.020 - 0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.03	0.10
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Toxaphene	ug/L				ND	ND	ND			EPA 608	0.5	0.05 - 0.08	0.5
Toxic equivalence	pg/L				ND	ND	ND			EPA 1613B			
trans-1,2-Dichloroethene	ug/L				ND	ND	ND			EPA 624	1	0.16 - 0.45	0.50
Trichloroethene	ug/L				ND	ND	ND			EPA 624	2	0.25 - 0.28	0.50
Tritium	pCi/L	ND			ND	ND	ND			EPA 906.0		320 - 434	364 - 500
Turbidity (flow proportioned avg daily value)	NTU	0.69	0.59	0.51	0.49	0.56	0.69	2		SM 2130B		0.12	0.12
Uranium	pCi/L	1.10			0.202	0.656	1.10			EPA 908.0		0.0803 - 0.342	0.191 - 1.00
Vinyl chloride	ug/L				ND	ND	ND			EPA 624	2	0.20 - 0.26	0.50
Zinc	ug/L	19.5	26.0	26.1	19.5	27.7	35.2	156(3)		EPA 200.8	1	0.60	1.00

* There was no NPDES discharge during this month

(1) Blank contamination observed.

(2) Possible interference observed. The measured ion ratio did not meet qualitative criteria for analysis and results are considered to be an estimated maximum possible concentration.

(3) Wet weather limits apply when the maximum daily flow in Coyote Creek is equal to or greater than 156 cfs as measured at LACDPW flow gauging station F-345R (RSW-007)

(4) Dry weather limits apply when the maximum daily flow in Coyote Creek is less than 156 cfs as measured at LACDPW flow gauging station F-345R (RSW-007)

(5) The temperature of wastes discharged shall not exceed 86° F except as a result of external ambient temperature

(6) The number of total coliform bacteria shall not exceed 2.2/100 mL as a 7-day median, 23/100 mL in more than one sample within any 30-day period and 240/100 mL in any sample.

Los Coyotes WRP Influent Monitoring

Los Coyotes Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L	ND						ND		
1,1-Dichloroethene	ug/L	ND						ND		
1,1,1-Trichloroethane	ug/L	ND						ND		
1,1,2-Trichloroethane	ug/L	ND						ND		
1,1,2,2-Tetrachloroethane	ug/L	ND						ND		
1,2-Dichlorobenzene	ug/L	ND						ND		
1,2-Dichloroethane	ug/L	ND						ND		
1,2-Dichloropropane	ug/L	ND						ND		
1,2-Diphenylhydrazine	ug/L	ND						ND		
1,2,4-Trichlorobenzene	ug/L	ND						ND		
1,3-Dichlorobenzene	ug/L	ND						ND		
1,3-Dichloropropene (Total)	ug/L	ND						ND		
1,4-Dichlorobenzene	ug/L	ND						DNQ Est. Conc. 0.16		
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND		
2-Chloronaphthalene	ug/L	ND						ND		
2-Chlorophenol	ug/L	ND						ND		
2-Methyl-4,6-dinitrophenol	ug/L	ND						ND		
2-Nitrophenol	ug/L	ND						ND		
2,3,7,8-TCDD	pg/L	ND						ND		
2,4-Dichlorophenol	ug/L	ND						ND		
2,4-Dimethylphenol	ug/L	ND						ND		
2,4-Dinitrophenol	ug/L	ND						ND		
2,4-Dinitrotoluene	ug/L	ND						ND		
2,4,6-Trichlorophenol	ug/L	ND						ND		
2,6-Dinitrotoluene	ug/L	ND						ND		
3-Methyl-4-chlorophenol	ug/L	ND						ND		
3,3'-Dichlorobenzidine	ug/L	ND						ND		
4-Bromophenyl phenyl ether	ug/L	ND						ND		
4-Chlorophenyl phenyl ether	ug/L	ND						ND		
4-Nitrophenol	ug/L	ND						ND		
4,4'-DDD	ug/L	ND						ND		
4,4'-DDE	ug/L	ND						ND		
4,4'-DDT	ug/L	ND						ND		
Acenaphthene	ug/L	ND						ND		
Acenaphthylene	ug/L	ND						ND		
Acrolein	ug/L	ND						ND		
Acrylonitrile	ug/L	ND						ND		
Aldrin	ug/L	ND						ND		
alpha-BHC	ug/L	ND						ND		
Anthracene	ug/L	ND						ND		
Antimony	ug/L	4.21						2.50		
Aroclor 1016	ug/L	ND						ND		
Aroclor 1221	ug/L	ND						ND		
Aroclor 1232	ug/L	ND						ND		
Aroclor 1242	ug/L	ND						ND		
Aroclor 1248	ug/L	ND						ND		
Aroclor 1254	ug/L	ND						ND		
Aroclor 1260	ug/L	ND						ND		
Arsenic	ug/L	2.52						2.66		
Benzene	ug/L	ND						ND		
Benzidine	ug/L	ND						ND		
Benzo(a)anthracene	ug/L	ND						ND		
Benzo(a)pyrene	ug/L	ND						ND		
Benzo(b)fluoranthene	ug/L	ND						ND		
Benzo(g,h,i)perylene	ug/L	ND						ND		
Benzo(k)fluoranthene	ug/L	ND						ND		
Beryllium	ug/L	ND						ND		
beta-BHC	ug/L	0.04						0.13		
bis(2-Chloroethoxy) methane	ug/L	ND						ND		
bis(2-Chloroethyl) ether	ug/L	ND						ND		
bis(2-Chloroisopropyl) ether	ug/L	ND						ND		
bis(2-Ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 7.5						ND		
BOD5 20°C	mg/L	341	305	330	329	300	364	337	311	331
Bromodichloromethane	ug/L	0.55						ND		

Los Coyotes Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624	1	0.20	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625	1	0.20	10.0 - 20.0
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625	5	0.19	50.0 - 100
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.08	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	DNQ Est. Conc. 0.16	EPA 624	2	0.16	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625	10	0.13	100 - 200
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.18	50.0 - 100
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	0.92	50.0 - 100
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	0.10	100 - 200
2,3,7,8-TCDD	pg/L				ND	ND	ND	EPA 1613B		0.40 - 0.73	10 - 11
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.63	50.0 - 100
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625	2	0.88	20.0 - 40.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	2.8	50.0 - 100
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.27	50.0 - 100
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625	10	0.21	100 - 200
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.28	50.0 - 100
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625	1	0.44	10.0 - 20.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625	5	0.81	50.0 - 100
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.27	50.0 - 100
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.32	50.0 - 100
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	1.3	100 - 200
4,4'-DDD	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.05 - 0.10
4,4'-DDE	ug/L				ND	ND	ND	EPA 608	0.05	0.001	0.05 - 0.10
4,4'-DDT	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.05 - 0.10
Acenaphthene	ug/L				ND	ND	ND	EPA 625	1	0.22	10.0 - 20.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625	10	0.19	100 - 200
Acrolein	ug/L				ND	ND	ND	EPA 624		1.3	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624		0.20	2.0
Aldrin	ug/L				ND	ND	ND	EPA 608	0.005	0.002	0.02 - 0.05
alpha-BHC	ug/L				ND	ND	ND	EPA 608	0.01	0.0005	0.05 - 0.10
Anthracene	ug/L				ND	ND	ND	EPA 625	10	0.19	100 - 200
Antimony	ug/L				2.50	3.36	4.21	EPA 200.8	0.5	0.32	0.50
Aroclor 1016	ug/L				ND	ND	ND	EPA 608	0.5	0.03	0.5 - 1.0
Aroclor 1221	ug/L				ND	ND	ND	EPA 608	0.5	0.2	2.5 - 5.0
Aroclor 1232	ug/L				ND	ND	ND	EPA 608	0.5	0.1	1.5 - 3.0
Aroclor 1242	ug/L				ND	ND	ND	EPA 608	0.5	0.04	0.5 - 1.0
Aroclor 1248	ug/L				ND	ND	ND	EPA 608	0.5	0.03	0.5 - 1.0
Aroclor 1254	ug/L				ND	ND	ND	EPA 608	0.5	0.02	0.2 - 0.5
Aroclor 1260	ug/L				ND	ND	ND	EPA 608	0.5	0.02	0.5 - 1.0
Arsenic	ug/L				2.52	2.59	2.66	EPA 200.8	2	0.14	1.00
Benzene	ug/L				ND	ND	ND	EPA 624	2	0.15	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625	5	1.8	50.0 - 100
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625	5	0.14	50.0 - 100
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625	10	0.19	100 - 200
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.22	100 - 200
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625	5	0.12	50.0 - 100
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.19	100 - 200
Beryllium	ug/L				ND	ND	ND	EPA 200.8	0.5	0.030	0.25
beta-BHC	ug/L				0.04	0.09	0.13	EPA 608	0.005	0.004	0.02 - 0.05
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625	5	0.11	50.0 - 100
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625	1	0.20	10.0 - 20.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625	2	0.20	20.0 - 40.0
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	DNQ Est. Conc. 7.5	EPA 625	5	0.16	20.0 - 40.0
BOD5 20°C	mg/L	321	376	356	300	333	376	SM 5210B		0.6	120 - 150
Bromodichloromethane	ug/L				ND	0.28	0.55	EPA 624	2	0.17	0.50

Los Coyotes Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Bromoform	ug/L	DNQ Est. Conc. 0.26						ND		
Butyl benzyl phthalate	ug/L	ND						ND		
Cadmium	ug/L	DNQ Est. Conc. 0.16						DNQ Est. Conc. 0.19		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	DNQ Est. Conc. 0.18						ND		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	36.1						14.6		
Chromium VI	ug/L	0.07						0.09		
Chromium, total	ug/L	2.55						7.04		
Chrysene	ug/L	ND						ND		
Copper	mg/L	0.08			0.09			0.10		
delta-BHC	ug/L	ND						ND		
Di-n-butyl phthalate	ug/L	ND						ND		
Di-n-octyl phthalate	ug/L	ND						ND		
Dibenzo(a,h)anthracene	ug/L	ND						ND		
Dieldrin	ug/L	ND						ND		
Diethyl phthalate	ug/L	DNQ Est. Conc. 5.2						DNQ Est. Conc. 8.3		
Dimethyl phthalate	ug/L	ND						ND		
Endosulfan II	ug/L	ND						ND		
Endosulfan I	ug/L	ND						ND		
Endosulfan sulfate	ug/L	ND						ND		
Endrin aldehyde	ug/L	ND						ND		
Endrin	ug/L	ND						ND		
Ethylbenzene	ug/L	ND						DNQ Est. Conc. 0.26		
Fluoranthene	ug/L	ND						ND		
Fluorene	ug/L	ND						ND		
gamma-BHC (Lindane)	ug/L	ND						0.15		
Heptachlor epoxide	ug/L	ND						ND		
Heptachlor	ug/L	ND						ND		
Hexachlorobenzene	ug/L	ND						ND		
Hexachlorobutadiene	ug/L	ND						ND		
Hexachlorocyclopentadiene	ug/L	ND						ND		
Hexachloroethane	ug/L	ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L	ND						ND		
Isophorone	ug/L	ND						ND		
Lead	ug/L	1.24						1.52		
Mercury	ug/L	0.06						0.13		
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	DNQ Est. Conc. 0.30						ND		
Methylene chloride	ug/L	1.6						0.53		
n-Nitrosodi-n-propylamine	ug/L	ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L	ND						ND		
n-Nitrosodiphenylamine	ug/L	ND						ND		
Naphthalene	ug/L	ND						ND		
Nickel	ug/L	5.57						5.86		
Nitrobenzene	ug/L	ND						ND		
PCB-105	pg/L							100		
PCB-114	pg/L							DNQ Est. Conc. 5.3		
PCB-118	pg/L							230(1)		
PCB-123	pg/L							ND		
PCB-126	pg/L							ND		
PCB-129/138/163	pg/L							DNQ Est. Conc. 310(1)		
PCB-158	pg/L							DNQ Est. Conc. 27		
PCB-167	pg/L							DNQ Est. Conc. 12		
PCB-169	pg/L							ND		
PCB-170	pg/L							DNQ Est. Conc. 85		
PCB-177	pg/L							DNQ Est. Conc. 53		
PCB-183	pg/L							DNQ Est. Conc. 52		
PCB-187	pg/L							DNQ Est. Conc. 120		
PCB-189	pg/L							DNQ Est. Conc. 3.5		
PCB-194	pg/L							DNQ Est. Conc. 54		
PCB-201	pg/L							DNQ Est. Conc. 7.5		

Los Coyotes Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Bromoform	ug/L				ND	ND	DNQ Est. Conc. 0.26	EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.12	100 - 200
Cadmium	ug/L				DNQ Est. Conc. 0.16	ND	DNQ Est. Conc. 0.19	EPA 200.8	0.25	0.031	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.28	0.50
Chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.02	0.25 - 0.50
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.11	0.50
Chlorodibromomethane	ug/L				ND	ND	DNQ Est. Conc. 0.18	EPA 624	2	0.14	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.18	0.50
Chloroform	ug/L				14.6	25.4	36.1	EPA 624	2	0.18	0.50
Chromium VI	ug/L				0.07	0.08	0.09	EPA 218.6 (Diss.)		0.01	0.05
Chromium, total	ug/L				2.55	4.80	7.04	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625	10	0.16	100 - 200
Copper	mg/L	0.10			0.08	0.09	0.10	EPA 200.8	0.0005	0	0
delta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.001	0.02 - 0.05
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.12	100 - 200
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.11	100 - 200
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625	10	0.13	100 - 200
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.05 - 0.10
Diethyl phthalate	ug/L				DNQ Est. Conc. 5.2	ND	DNQ Est. Conc. 8.3	EPA 625	2	0.26	20.0 - 40.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625	2	0.28	20.0 - 40.0
Endosulfan II	ug/L				ND	ND	ND	EPA 608	0.01	0.003	0.05 - 0.10
Endosulfan I	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.05 - 0.10
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.05 - 0.10
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.05 - 0.10
Endrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.05 - 0.10
Ethylbenzene	ug/L				ND	ND	DNQ Est. Conc. 0.26	EPA 624	2	0.18	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625	1	0.24	10.0 - 20.0
Fluorene	ug/L				ND	ND	ND	EPA 625	10	0.35	100 - 200
gamma-BHC (Lindane)	ug/L				ND	0.075	0.15	EPA 608	0.02	0.001	0.05 - 0.10
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.05 - 0.10
Heptachlor	ug/L				ND	ND	ND	EPA 608	0.01	0.0009	0.05 - 0.10
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625	1	0.17	10.0 - 20.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625	1	0.33	10.0 - 20.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625	5	0.53	50.0 - 100
Hexachloroethane	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0 - 20.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625	10	0.12	100 - 200
Isophorone	ug/L				ND	ND	ND	EPA 625	1	0.11	10.0 - 20.0
Lead	ug/L				1.24	1.38	1.52	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L				0.06	0.10	0.13	EPA 245.1	0.5	0.004 - 0.017	0.04 - 0.050
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.33	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	DNQ Est. Conc. 0.30	EPA 624	2	0.19	0.50
Methylene chloride	ug/L				0.53	1.1	1.6	EPA 624	2	0.18	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 625	5	0.50	50.0 - 100
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA 625	5	0.34	50.0 - 100
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625	1	0.28	10.0 - 20.0
Naphthalene	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0 - 20.0
Nickel	ug/L				5.57	5.72	5.86	EPA 200.8	1	0.12	1.00
Nitrobenzene	ug/L				ND	ND	ND	EPA 625	1	0.17	10.0 - 20.0
PCB-105	pg/L				100	100	100	EPA 1668		3.7	22
PCB-114	pg/L				DNQ Est. Conc. 5.3	ND	DNQ Est. Conc. 5.3	EPA 1668		3.6	22
PCB-118	pg/L				230(1)	230	230(1)	EPA 1668		3.3	22
PCB-123	pg/L				ND	ND	ND	EPA 1668		3.6	22
PCB-126	pg/L				ND	ND	ND	EPA 1668		3.7	22
PCB-129/138/163	pg/L				DNQ Est. Conc. 310(1)	ND	DNQ Est. Conc. 310(1)	EPA 1668		6.8	650
PCB-158	pg/L				DNQ Est. Conc. 27	ND	DNQ Est. Conc. 27	EPA 1668		5.2	220
PCB-167	pg/L				DNQ Est. Conc. 12	ND	DNQ Est. Conc. 12	EPA 1668		1.3	22
PCB-169	pg/L				ND	ND	ND	EPA 1668		1.4	22
PCB-170	pg/L				DNQ Est. Conc. 85	ND	DNQ Est. Conc. 85	EPA 1668		1.4	220
PCB-177	pg/L				DNQ Est. Conc. 53	ND	DNQ Est. Conc. 53	EPA 1668		1.4	220
PCB-183	pg/L				DNQ Est. Conc. 52	ND	DNQ Est. Conc. 52	EPA 1668		1.1	220
PCB-187	pg/L				DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668		1.4	220
PCB-189	pg/L				DNQ Est. Conc. 3.5	ND	DNQ Est. Conc. 3.5	EPA 1668		0.33	22
PCB-194	pg/L				DNQ Est. Conc. 54	ND	DNQ Est. Conc. 54	EPA 1668		0.46	220
PCB-201	pg/L				DNQ Est. Conc. 7.5	ND	DNQ Est. Conc. 7.5	EPA 1668		0.48	220

Los Coyotes Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
PCB-206	pg/L							DNQ Est. Conc. 33		
PCB-37	pg/L							DNQ Est. Conc. 37		
PCB-52	pg/L							DNQ Est. Conc. 200(1)		
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 190(1)		
PCB-66	pg/L							DNQ Est. Conc. 91		
PCB-77	pg/L							DNQ Est. Conc. 15		
PCB-81	pg/L							ND		
PCB-86/87/97/108/119	pg/L							DNQ Est. Conc. 160		
PCB-90/101/113	pg/L							DNQ Est. Conc. 230(1)		
PCB-99	pg/L							DNQ Est. Conc. 97		
PCB110/115	pg/L							DNQ Est. Conc. 270(1)		
PCB128/166	pg/L							DNQ Est. Conc. 34		
PCB135/151	pg/L							DNQ Est. Conc. 92(1)		
PCB147/149	pg/L							DNQ Est. Conc. 210(1)		
PCB153/168	pg/L							DNQ Est. Conc. 250(1)		
PCB156/157	pg/L							DNQ Est. Conc. 41(1)		
PCB18/30	pg/L							DNQ Est. Conc. 53		
PCB180/193	pg/L							DNQ Est. Conc. 220(1)		
PCB20/28	pg/L							DNQ Est. Conc. 120(1)		
PCB44/47/65	pg/L							DNQ Est. Conc. 250(1)		
PCB49/69	pg/L							DNQ Est. Conc. 51(1)		
Pentachlorophenol	ug/L	ND						ND		
Phenanthrene	ug/L	ND						ND		
Phenol	ug/L	54.8						41.6		
pH	SU	7.4	7.8	7.6	7.2	7.7	7.7	7.3	7.3	7.4
Polychlorinated Biphenyls (PCBs), Sum (as congeners)	ug/L							0.000330		
Pyrene	ug/L	ND						ND		
Selenium	ug/L	1.02						1.04		
Silver	ug/L	0.42						0.57		
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	ND						ND		
Toluene	ug/L	1.3						4.5		
Total cyanide	mg/L	ND						DNQ Est. Conc. 0.0020		
Total suspended solids	mg/L	405	382	372	350	322	360	318	245	271
Toxaphene	ug/L	ND						ND		
trans-1,2-Dichloroethene	ug/L	ND						ND		
Trichloroethene	ug/L	ND						ND		
Vinyl chloride	ug/L	ND						ND		
Zinc	ug/L	103						140		

Los Coyotes Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
PCB-206	pg/L				DNQ Est. Conc. 33	ND	DNQ Est. Conc. 33	EPA 1668		1.1	220
PCB-37	pg/L				DNQ Est. Conc. 37	ND	DNQ Est. Conc. 37	EPA 1668		4.7	220
PCB-52	pg/L				DNQ Est. Conc. 200(1)	ND	DNQ Est. Conc. 200(1)	EPA 1668		2.1	220
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 190(1)	ND	DNQ Est. Conc. 190(1)	EPA 1668		1.3	860
PCB-66	pg/L				DNQ Est. Conc. 91	ND	DNQ Est. Conc. 91	EPA 1668		1.4	220
PCB-77	pg/L				DNQ Est. Conc. 15	ND	DNQ Est. Conc. 15	EPA 1668		1.7	22
PCB-81	pg/L				ND	ND	ND	EPA 1668		1.7	22
PCB-86/87/97/108/119	pg/L				DNQ Est. Conc. 160	ND	DNQ Est. Conc. 160	EPA 1668		3.5	1300
PCB-90/101/113	pg/L				DNQ Est. Conc. 230(1)	ND	DNQ Est. Conc. 230(1)	EPA 1668		3.5	650
PCB-99	pg/L				DNQ Est. Conc. 97	ND	DNQ Est. Conc. 97	EPA 1668		3.6	220
PCB110/115	pg/L				DNQ Est. Conc. 270(1)	ND	DNQ Est. Conc. 270(1)	EPA 1668		3.2	430
PCB128/166	pg/L				DNQ Est. Conc. 34	ND	DNQ Est. Conc. 34	EPA 1668		6.2	430
PCB135/151	pg/L				DNQ Est. Conc. 92(1)	ND	DNQ Est. Conc. 92(1)	EPA 1668		7.6	430
PCB147/149	pg/L				DNQ Est. Conc. 210(1)	ND	DNQ Est. Conc. 210(1)	EPA 1668		7.2	430
PCB153/168	pg/L				DNQ Est. Conc. 250(1)	ND	DNQ Est. Conc. 250(1)	EPA 1668		5.6	430
PCB156/157	pg/L				DNQ Est. Conc. 41(1)	ND	DNQ Est. Conc. 41(1)	EPA 1668		1.9	43
PCB18/30	pg/L				DNQ Est. Conc. 53	ND	DNQ Est. Conc. 53	EPA 1668		0.74	430
PCB180/193	pg/L				DNQ Est. Conc. 220(1)	ND	DNQ Est. Conc. 220(1)	EPA 1668		1.1	430
PCB20/28	pg/L				DNQ Est. Conc. 120(1)	ND	DNQ Est. Conc. 120(1)	EPA 1668		3.6	430
PCB44/47/65	pg/L				DNQ Est. Conc. 250(1)	ND	DNQ Est. Conc. 250(1)	EPA 1668		1.8	650
PCB49/69	pg/L				DNQ Est. Conc. 51(1)	ND	DNQ Est. Conc. 51(1)	EPA 1668		1.6	430
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.62	10.0 - 20.0
Phenanthrene	ug/L				ND	ND	ND	EPA 625	5	0.31	50.0 - 100
Phenol	ug/L				41.6	48.2	54.8	EPA 625	1	0.12	10.0 - 20.0
pH	SU	7.4	7.3	7.2	7.2	7.4	7.8	SM 4500 H+ B		1.00	1.00 - 4.00
Polychlorinated Biphenyls (PCBs), Sum (as congeners)	ug/L				0.000330	0.000330	0.000330	EPA 1668			
Pyrene	ug/L				ND	ND	ND	EPA 625	10	0.28	100 - 200
Selenium	ug/L				1.02	1.03	1.04	EPA 200.8	2	0.04	1.00
Silver	ug/L				0.42	0.50	0.57	EPA 200.8	0.25	0.02	0.20
Tetrachloroethene	ug/L				ND	ND	ND	EPA 624	2	0.18	0.50
Thallium	ug/L				ND	ND	ND	EPA 200.8	1	0.015	0.25
Toluene	ug/L				1.3	2.9	4.5	EPA 624	2	0.19	0.50
Total cyanide	mg/L				ND	ND	DNQ Est. Conc. 0.0020	EPA 335.4/SM 4500 CN E		0.0010 - 0.0027	0.0050
Total suspended solids	mg/L	267	363	324	245	332	405	SM 2540D		2.5	50.0 - 100
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.05	2.5 - 5.0
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624	1	0.16	0.50
Trichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.28	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.26	0.50
Zinc	ug/L				103	122	140	EPA 200.8	1	0.60	1.00

(1) Blank contamination observed.

Los Coyotes WRP Effluent Monitoring

Los Coyotes Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L	ND						ND		
1,1-Dichloroethene	ug/L	ND						ND		
1,1,1-Trichloroethane	ug/L	ND						ND		
1,1,2-Trichloroethane	ug/L	ND						ND		
1,1,2,2-Tetrachloroethane	ug/L	ND						ND		
1,2-Dichlorobenzene	ug/L	ND						ND		
1,2-Dichloroethane	ug/L	ND						ND		
1,2-Dichloropropane	ug/L	ND						ND		
1,2-Diphenylhydrazine	ug/L	ND						ND		
1,2,3-Trichloropropane	ug/L	ND						ND		
1,2,3,4,6,7,8-HeptaCDD	pg/L	ND(1)						ND(1)		
1,2,3,4,6,7,8-HeptaCDF	pg/L	DNQ Est. Conc. 4.7(1)(2)						DNQ Est. Conc. 1.3(2)		
1,2,3,4,7,8-HexaCDD	pg/L	ND(1)(2)						DNQ Est. Conc. 1.8		
1,2,3,4,7,8-HexaCDF	pg/L	ND						ND		
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND						DNQ Est. Conc. 1.0		
1,2,3,6,7,8-HexaCDD	pg/L	ND						DNQ Est. Conc. 1.3		
1,2,3,6,7,8-HexaCDF	pg/L	DNQ Est. Conc. 0.77						ND		
1,2,3,7,8-PentaCDD	pg/L	ND						DNQ Est. Conc. 0.53(2)		
1,2,3,7,8-PentaCDF	pg/L	ND						ND		
1,2,3,7,8,9-HexaCDD	pg/L	ND						DNQ Est. Conc. 1.2(2)		
1,2,3,7,8,9-HexaCDF	pg/L	ND						DNQ Est. Conc. 0.84		
1,2,4-Trichlorobenzene	ug/L	ND						ND		
1,3-Dichlorobenzene	ug/L	ND						ND		
1,3-Dichloropropene (Total)	ug/L	ND						ND		
1,4-Dichlorobenzene	ug/L	ND						ND		
1,4-Dioxane	ug/L	2.7						2.7		
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND		
2-Chloronaphthalene	ug/L	ND						ND		
2-Chlorophenol	ug/L	ND						ND		
2-Methyl-4,6-dinitrophenol	ug/L	ND						ND		
2-Nitrophenol	ug/L	ND						ND		
2,3,4,6,7,8-HexaCDF	pg/L	ND						ND		
2,3,4,7,8-PentaCDF	pg/L	ND						ND		
2,3,7,8-TCDD	pg/L	ND						DNQ Est. Conc. 1.5(2)		
2,3,7,8-TetraCDF	pg/L	ND						DNQ Est. Conc. 0.40(2)		
2,4-Dichlorophenol	ug/L	ND						ND		
2,4-Dimethylphenol	ug/L	ND						ND		
2,4-Dinitrophenol	ug/L	ND						ND		
2,4-Dinitrotoluene	ug/L	ND						ND		
2,4,6-Trichlorophenol	ug/L	DNQ Est. Conc. 0.36						DNQ Est. Conc. 0.23		
2,6-Dinitrotoluene	ug/L	ND						ND		
3-Methyl-4-chlorophenol	ug/L	ND						ND		
3,3'-Dichlorobenzidine	ug/L	ND						ND		
4-Bromophenyl phenyl ether	ug/L	ND						ND		
4-Chlorophenyl phenyl ether	ug/L	ND						ND		
4-Nitrophenol	ug/L	ND						ND		
4,4'-DDD	ug/L	ND						ND		
4,4'-DDE	ug/L	ND						ND		
4,4'-DDT	ug/L	ND						ND		
Acenaphthene	ug/L	ND						ND		
Acenaphthylene	ug/L	ND						ND		
Acrolein	ug/L	ND						ND		
Acrylonitrile	ug/L	ND						ND		
Aldrin	ug/L	ND						ND		
alpha-BHC	ug/L	ND						ND		
Ammonia as nitrogen	mg/L	1.96	1.22	1.44	1.74	1.10	0.972	1.05	1.09	1.81
Anthracene	ug/L	ND						ND		
Antimony	ug/L	3.22			1.64			2.10		
Aroclor 1016	ug/L	ND						ND		
Aroclor 1221	ug/L	ND						ND		
Aroclor 1232	ug/L	ND						ND		

Los Coyotes Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L				ND	ND	ND			EPA 624	1	0.20	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND			EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND			EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND			EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND			EPA 625	1	0.20	1.0
1,2,3-Trichloropropane	ug/L				ND	ND	ND			EPA 524.2 (TCP)		0.0012 - 0.012	0.0050 - 0.050
1,2,3,4,6,7,8-HeptaCDD	pg/L				ND(1)	ND	ND(1)			EPA 1613B		0.22 - 0.40	50 - 53
1,2,3,4,6,7,8-HeptaCDF	pg/L				DNQ Est. Conc. 1.3(2)	ND	DNQ Est. Conc. 4.7(1)(2)			EPA 1613B		0.22 - 0.65	50 - 53
1,2,3,4,7,8-HexaCDD	pg/L				ND(1)(2)	ND	DNQ Est. Conc. 1.8			EPA 1613B		0.29 - 0.30	50 - 53
1,2,3,4,7,8-HexaCDF	pg/L				ND	ND	ND			EPA 1613B		0.31 - 0.45	50 - 53
1,2,3,4,7,8,9-HeptaCDF	pg/L				ND	ND	DNQ Est. Conc. 1.0			EPA 1613B		0.28 - 0.84	50 - 53
1,2,3,6,7,8-HexaCDD	pg/L				ND	ND	DNQ Est. Conc. 1.3			EPA 1613B		0.27 - 0.28	50 - 53
1,2,3,6,7,8-HexaCDF	pg/L				ND	ND	DNQ Est. Conc. 0.77			EPA 1613B		0.30 - 0.43	50 - 53
1,2,3,7,8-PentaCDD	pg/L				ND	ND	DNQ Est. Conc. 0.53(2)			EPA 1613B		0.33 - 0.77	50 - 53
1,2,3,7,8-PentaCDF	pg/L				ND	ND	ND			EPA 1613B		0.27 - 0.28	50 - 53
1,2,3,7,8,9-HexaCDD	pg/L				ND	ND	DNQ Est. Conc. 1.2(2)			EPA 1613B		0.26	50 - 53
1,2,3,7,8,9-HexaCDF	pg/L				ND	ND	DNQ Est. Conc. 0.84			EPA 1613B		0.24 - 0.28	50 - 53
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND			EPA 625	5	0.19	5.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.08	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.16	0.50
1,4-Dioxane	ug/L				2.7	2.7	2.7			SW-846 8270MOD		0.05 - 0.13	0.40
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND			EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND			EPA 625	10	0.13	10.0
2-Chlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.18	5.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND			EPA 625	5	0.92	5.0
2-Nitrophenol	ug/L				ND	ND	ND			EPA 625	10	0.10	10.0
2,3,4,6,7,8-HexaCDF	pg/L				ND	ND	ND			EPA 1613B		0.26 - 0.28	50 - 53
2,3,4,7,8-PentaCDF	pg/L				ND	ND	ND			EPA 1613B		0.29 - 0.30	50 - 53
2,3,7,8-TCDD	pg/L				ND	ND	DNQ Est. Conc. 1.5(2)			EPA 1613B		0.28 - 0.41	10 - 11
2,3,7,8-TetraCDF	pg/L				ND	ND	DNQ Est. Conc. 0.40(2)			EPA 1613B		0.20 - 0.26	10 - 11
2,4-Dichlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.63	5.0
2,4-Dimethylphenol	ug/L				ND	ND	ND			EPA 625	2	0.88	2.0
2,4-Dinitrophenol	ug/L				ND	ND	ND			EPA 625	5	2.8	5.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625	5	0.27	5.0
2,4,6-Trichlorophenol	ug/L				DNQ Est. Conc. 0.23	ND	DNQ Est. Conc. 0.36			EPA 625	10	0.21	10.0
2,6-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625	5	0.28	5.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND			EPA 625	1	0.44	1.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND			EPA 625	5	0.81	5.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625	5	0.27	5.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625	5	0.32	5.0
4-Nitrophenol	ug/L				ND	ND	ND			EPA 625	10	1.3	10.0
4,4'-DDD	ug/L				ND	ND	ND			EPA 608	0.05	0.002	0.01
4,4'-DDE	ug/L				ND	ND	ND			EPA 608	0.05	0.001	0.01
4,4'-DDT	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Acenaphthene	ug/L				ND	ND	ND			EPA 625	1	0.22	1.0
Acenaphthylene	ug/L				ND	ND	ND			EPA 625	10	0.19	10.0
Acrolein	ug/L				ND	ND	ND			EPA 624		1.3	2.0
Acrylonitrile	ug/L				ND	ND	ND			EPA 624		0.20	2.0
Aldrin	ug/L				ND	ND	ND			EPA 608	0.005	0.002	0.005
alpha-BHC	ug/L				ND	ND	ND			EPA 608	0.01	0.0005	0.01
Ammonia as nitrogen	mg/L	1.04	0.994	0.998	0.972	1.28	1.96	10.5	5.5	SM 4500 NH3 G		0.020	0.100 - 0.300
Anthracene	ug/L				ND	ND	ND			EPA 625	10	0.19	10.0
Antimony	ug/L	1.80			1.64	2.19	3.22			EPA 200.8	0.5	0.32	0.50
Aroclor 1016	ug/L				ND	ND	ND			EPA 608	0.5	0.03	0.1
Aroclor 1221	ug/L				ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L				ND	ND	ND			EPA 608	0.5	0.1	0.3

Los Coyotes Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring

Parameter	Units	January	February	March	April	May	June	July	August	September
Aroclor 1242	ug/L	ND						ND		
Aroclor 1248	ug/L	ND						ND		
Aroclor 1254	ug/L	ND						ND		
Aroclor 1260	ug/L	ND						ND		
Arsenic	ug/L	DNQ Est. Conc. 0.74			DNQ Est. Conc. 0.80			1.16		
Barium	ug/L	50			49.5			64		
Benzene	ug/L	ND						ND		
Benzidine	ug/L	ND						ND		
Benzo(a)anthracene	ug/L	ND						ND		
Benzo(a)pyrene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ug/L	ND	ND	ND	ND	ND	DNQ Est. Conc. 0.004	ND	ND	ND
Benzo(g,h,i)perylene	ug/L	ND						ND		
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beryllium	ug/L	ND			ND			ND		
beta-BHC	ug/L	ND						ND		
bis(2-Chloroethoxy) methane	ug/L	ND						ND		
bis(2-Chloroethyl) ether	ug/L	ND						ND		
bis(2-Chloroisopropyl) ether	ug/L	ND						ND		
bis(2-Ethylhexyl) phthalate	ug/L	ND						ND		
BOD5 20°C	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.38	0.36	0.40	0.37	0.42	0.39	0.40	0.38	0.41
Bromodichloromethane	ug/L	4.8						4.9		
Bromoform	ug/L	ND						ND		
Butyl benzyl phthalate	ug/L	ND						ND		
Cadmium	ug/L	ND			ND			ND		
Carbon tetrachloride	ug/L	ND						ND		
Chlordane	ug/L	ND						ND		
Chloride	mg/L	167	163	180	188	204	188	193	181	199
Chlorobenzene	ug/L	ND						ND		
Chlorodibromomethane	ug/L	0.74						0.87		
Chloroethane	ug/L	ND						ND		
Chloroform	ug/L	16.9						17.8		
Chromium III	ug/L	0.62			5.37			2.22		
Chromium VI	ug/L	DNQ Est. Conc. 0.03			0.08			0.10		
Chromium, total (24-hr composite)	ug/L	0.58			1.81			2.49		
Chromium, total (Grab)	ug/L	0.62			5.45			2.32		
Chrysene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	ug/L	6.21	4.52	1.70	1.75	1.70	3.53	2.69	2.84	3.51
delta-BHC	ug/L	ND						ND		
Di-n-butyl phthalate	ug/L	ND						ND		
Di-n-octyl phthalate	ug/L	ND						ND		
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	ug/L	ND						ND		
Diethyl phthalate	ug/L	DNQ Est. Conc. 0.42						ND		
Dimethyl phthalate	ug/L	ND						ND		
Dissolved oxygen	mg/L	7.9	8.0	8.4	8.2	7.0	7.5	7.4	7.1	6.5
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	ug/L	ND						ND		
Endosulfan I	ug/L	ND						ND		
Endosulfan sulfate	ug/L	ND						DNQ Est. Conc. 0.009		
Endrin aldehyde	ug/L	ND						ND		
Endrin	ug/L	ND						ND		
Ethylbenzene	ug/L	ND						ND		
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L	ND						ND		
Fluorene	ug/L	ND						ND		
Fluoride	mg/L	0.425			0.488			0.504		
gamma-BHC (Lindane)	ug/L	ND						DNQ Est. Conc. 0.007		
Gross alpha radioactivity	pCi/L	ND			3.53			9.46		
Gross beta radioactivity	pCi/L	10.60			8.90			15.9		
Heptachlor epoxide	ug/L	ND						ND		
Heptachlor	ug/L	ND						ND		

Los Coyotes Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Aroclor 1242	ug/L				ND	ND	ND			EPA 608	0.5	0.04	0.1
Aroclor 1248	ug/L				ND	ND	ND			EPA 608	0.5	0.03	0.1
Aroclor 1254	ug/L				ND	ND	ND			EPA 608	0.5	0.02	0.05
Aroclor 1260	ug/L				ND	ND	ND			EPA 608	0.5	0.02	0.1
Arsenic	ug/L	1.20			DNQ Est. Conc. 0.74	0.59	1.20			EPA 200.8	2	0.14	1.00
Barium	ug/L	69.5			49.5	58	69.5			EPA 200.8		0.076 - 0.08	0.50
Benzene	ug/L				ND	ND	ND			EPA 624	2	0.15	0.50
Benzidine	ug/L				ND	ND	ND			EPA 625	5	1.8	5.0
Benzo(a)anthracene	ug/L				ND	ND	ND			EPA 625	5	0.14	5.0
Benzo(a)pyrene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.007	0.020
Benzo(b)fluoranthene	ug/L	ND	ND	ND	ND	ND	DNQ Est. Conc. 0.004	0.098	0.049	EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L				ND	ND	ND			EPA 625	5	0.12	5.0
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.005	0.020
Beryllium	ug/L	ND			ND	ND	ND			EPA 200.8	0.5	0.030	0.25
beta-BHC	ug/L				ND	ND	ND			EPA 608	0.005	0.004	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND			EPA 625	5	0.11	5.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND			EPA 625	1	0.20	1.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND			EPA 625	2	0.20	2.0
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	ND			EPA 625	5	0.16	2.0
BOD5 20°C	mg/L	ND	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	2 - 3
Boron	mg/L	0.39	0.38	0.42	0.36	0.39	0.42			EPA 200.8		0.008	0.020
Bromodichloromethane	ug/L				4.8	4.9	4.9			EPA 624	2	0.17	0.50
Bromoform	ug/L				ND	ND	ND			EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.12	10.0
Cadmium	ug/L	DNQ Est. Conc. 0.040			ND	ND	DNQ Est. Conc. 0.040			EPA 200.8	0.25	0.031	0.20
Carbon tetrachloride	ug/L				ND	ND	ND			EPA 624	2	0.28	0.50
Chlordane	ug/L				ND	ND	ND			EPA 608	0.1	0.02	0.05
Chloride	mg/L	191	185	198	163	186	204			EPA 300.0		0.040 - 0.100	10.0 - 20.0
Chlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.11	0.50
Chlorodibromomethane	ug/L				0.74	0.81	0.87			EPA 624	2	0.14	0.50
Chloroethane	ug/L				ND	ND	ND			EPA 624	2	0.18	0.50
Chloroform	ug/L				16.9	17.4	17.8			EPA 624	2	0.18	0.50
Chromium III	ug/L	1.32			0.62	2.4	5.37			EPA 200.8			0.50
Chromium VI	ug/L	ND			ND	0.05	0.10			EPA 218.6 (Diss.)		0.01 - 0.02	0.05 - 0.25
Chromium, total (24-hr composite)	ug/L	0.77			0.58	1.4	2.49			EPA 200.3	0.5	0.11	0.50
Chromium, total (Grab)	ug/L	1.32			0.62	2.4	5.45			EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.005	0.020
Copper	ug/L	3.61	3.72	1.84	1.70	3.14	6.21	32	12	EPA 200.8	0.5	0.05 - 0.11	0.50
delta-BHC	ug/L				ND	ND	ND			EPA 608	0.005	0.001	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.12	10.0
Di-n-octyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.11	10.0
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.004	0.020
Dieldrin	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				ND	ND	DNQ Est. Conc. 0.42			EPA 625	2	0.26	2.0
Dimethyl phthalate	ug/L				ND	ND	ND			EPA 625	2	0.28	2.0
Dissolved oxygen	mg/L	7.6	7.9	8.2	6.5	7.6	8.4			HACH 10360 LDO			
E. coli	No./100mL	ND	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1.0
Endosulfan II	ug/L				ND	ND	ND			EPA 608	0.01	0.003	0.01
Endosulfan I	ug/L				ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L				ND	ND	DNQ Est. Conc. 0.009			EPA 608	0.05	0.002	0.01
Endrin aldehyde	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Endrin	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L				ND	ND	ND			EPA 624	2	0.18	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND			SM 9222D		1	1
Fluoranthene	ug/L				ND	ND	ND			EPA 625	1	0.24	1.0
Fluorene	ug/L				ND	ND	ND			EPA 625	10	0.35	10.0
Fluoride	mg/L	0.430			0.425	0.462	0.504			SM 4500 F C		0.004	0.100
gamma-BHC (Lindane)	ug/L				ND	ND	DNQ Est. Conc. 0.007			EPA 608	0.02	0.001	0.01
Gross alpha radioactivity	pCi/L	2.61			ND	3.90	9.46			EPA 900.0		2.06 - 6.78	2.06 - 6.78
Gross beta radioactivity	pCi/L	9.73			8.90	11.3	15.9			EPA 900.0		1.30 - 4.04	1.30 - 4.04
Heptachlor epoxide	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L				ND	ND	ND			EPA 608	0.01	0.0009	0.01

Los Coyotes Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring

Parameter	Units	January	February	March	April	May	June	July	August	September
Hexachlorobenzene	ug/L	ND						ND		
Hexachlorobutadiene	ug/L	ND						ND		
Hexachlorocyclopentadiene	ug/L	ND						ND		
Hexachloroethane	ug/L	ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	ug/L	ND						ND		
Lead	ug/L	0.35			DNQ Est. Conc. 0.21			0.25		
Mercury	ug/L	0.0042			0.0016			0.0018		
Methyl bromide (Bromomethane)	ug/L	ND						ND		
Methyl chloride (Chloromethane)	ug/L	ND						DNQ Est. Conc. 0.21		
Methyl tert-butyl ether (MTBE)	ug/L	ND						ND		
Methylene chloride	ug/L	ND						ND		
n-Nitrosodi-n-propylamine	ug/L	ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L	DNQ Est. Conc. 0.67						DNQ Est. Conc. 0.88		
n-Nitrosodiphenylamine	ug/L	ND						ND		
Naphthalene	ug/L	ND						ND		
Nickel	ug/L	3.37			3.20			2.81		
Nitrate + nitrite as nitrogen	mg/L	6.66	3.66	4.92	4.00	4.10	3.82	5.02	3.55	7.16
Nitrate as nitrogen	mg/L	6.51	3.59	4.82	3.82	4.00	3.75	4.90	3.40	6.82
Nitrite as nitrogen	mg/L	0.150	0.067	0.097	0.182	0.100	0.074	0.116	0.148	0.335
Nitrobenzene	ug/L	ND						ND		
OctaCDD	pg/L	DNQ Est. Conc. 53(1)						ND(1)		
OctaCDF	pg/L	DNQ Est. Conc. 17(1)						ND(1)		
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Organic nitrogen	mg/L	1.40	1.27	1.44	2.31	1.50	1.83	1.73	1.33	ND
Orthophosphate-P	mg/L	0.058	0.083	0.080	0.059	0.100	0.070	0.102	0.098	0.128
PCB-105	pg/L							DNQ Est. Conc. 2.0		
PCB-114	pg/L							ND		
PCB-118	pg/L							ND(1)		
PCB-123	pg/L							ND		
PCB-126	pg/L							ND		
PCB-129/138/163	pg/L							ND(1)		
PCB-158	pg/L							ND		
PCB-167	pg/L							ND		
PCB-169	pg/L							ND		
PCB-170	pg/L							ND		
PCB-177	pg/L							ND		
PCB-183	pg/L							DNQ Est. Conc. 1.4(2)		
PCB-187	pg/L							DNQ Est. Conc. 1.2(2)		
PCB-189	pg/L							ND		
PCB-194	pg/L							DNQ Est. Conc. 0.62		
PCB-201	pg/L							ND		
PCB-206	pg/L							ND		
PCB-37	pg/L							DNQ Est. Conc. 2.8		
PCB-52	pg/L							ND(1)		
PCB-61/70/74/76	pg/L							ND(1)		
PCB-66	pg/L							DNQ Est. Conc. 3.4		
PCB-77	pg/L							DNQ Est. Conc. 1.2		
PCB-81	pg/L							ND		
PCB-86/87/97/108/119	pg/L							DNQ Est. Conc. 5.0		
PCB-90/101/113	pg/L							ND(1)		
PCB-99	pg/L							DNQ Est. Conc. 2.4		
PCB110/115	pg/L							ND(1)		
PCB128/166	pg/L							DNQ Est. Conc. 0.59		
PCB135/151	pg/L							ND		
PCB147/149	pg/L							ND(1)		
PCB153/168	pg/L							ND(1)		
PCB156/157	pg/L							ND		
PCB18/30	pg/L							DNQ Est. Conc. 7.8		
PCB180/193	pg/L							ND(1)(2)		
PCB20/28	pg/L							ND(1)		

Los Coyotes Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Hexachlorobenzene	ug/L				ND	ND	ND			EPA 625	1	0.17	1.0
Hexachlorobutadiene	ug/L				ND	ND	ND			EPA 625	1	0.33	1.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND			EPA 625	5	0.53	5.0
Hexachloroethane	ug/L				ND	ND	ND			EPA 625	1	0.13	1.0
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.004	0.020
Isophorone	ug/L				ND	ND	ND			EPA 625	1	0.11	1.0
Lead	ug/L	DNQ Est. Conc. 0.12			DNQ Est. Conc. 0.12	0.15	0.35			EPA 200.8	0.5	0.01	0.25
Mercury	ug/L	0.0015			0.0015	0.0023	0.0042			EPA 1631E		0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND			EPA 624	2	0.33	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	DNQ Est. Conc. 0.21			EPA 624	2	0.19	0.50
Methyl tert-butyl ether (MTBE)	ug/L				ND	ND	ND			EPA 624		0.12	0.50
Methylene chloride	ug/L				ND	ND	ND			EPA 624	2	0.18	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND			EPA 625	5	0.50	5.0
n-Nitrosodimethylamine (NDMA)	ug/L				DNQ Est. Conc. 0.67	ND	DNQ Est. Conc. 0.88			EPA 625	5	0.34	5.0
n-Nitrosodiphenylamine	ug/L				ND	ND	ND			EPA 625	1	0.28	1.0
Naphthalene	ug/L				ND	ND	ND			EPA 625	1	0.13	1.0
Nickel	ug/L	2.22			2.22	2.90	3.37			EPA 200.8	1	0.12	1.00
Nitrate + nitrite as nitrogen	mg/L	4.42	5.03	4.55	3.55	4.74	7.16		8	SM 4500 NO3 F		0.030 - 0.040	0.200
Nitrate as nitrogen	mg/L	4.15	4.70	4.26	3.40	4.56	6.82			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.273	0.328	0.288	0.067	0.18	0.335		1	SM 4500 NO3 F		0.003 - 0.009	0.030
Nitrobenzene	ug/L				ND	ND	ND			EPA 625	1	0.17	1.0
OctaCDD	pg/L				ND(1)	ND	DNQ Est. Conc. 53(1)			EPA 1613B		0.22 - 0.36	100 - 110
OctaCDF	pg/L				ND(1)	ND	DNQ Est. Conc. 17(1)			EPA 1613B		0.33 - 0.42	100 - 110
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	15	10	EPA 1664A		1.2	4.3 - 5.0
Organic nitrogen	mg/L	1.81	1.11	1.42	ND	1.43	2.31			EPA351.2/SM 4500NH3 G		0.050 - 0.135	0.200
Orthophosphate-P	mg/L	0.152	0.076	0.086	0.058	0.091	0.152			EPA 365.1		0.001 - 0.025	0.030
PCB-105	pg/L				DNQ Est. Conc. 2.0	ND	DNQ Est. Conc. 2.0			EPA 1668		0.70	20
PCB-114	pg/L				ND	ND	ND			EPA 1668		0.70	20
PCB-118	pg/L				ND(1)	ND	ND(1)			EPA 1668		0.65	20
PCB-123	pg/L				ND	ND	ND			EPA 1668		0.70	20
PCB-126	pg/L				ND	ND	ND			EPA 1668		0.69	20
PCB-129/138/163	pg/L				ND(1)	ND	ND(1)			EPA 1668		0.51	590
PCB-158	pg/L				ND	ND	ND			EPA 1668		0.39	200
PCB-167	pg/L				ND	ND	ND			EPA 1668		0.36	20
PCB-169	pg/L				ND	ND	ND			EPA 1668		0.40	20
PCB-170	pg/L				ND	ND	ND			EPA 1668		0.43	200
PCB-177	pg/L				ND	ND	ND			EPA 1668		0.43	200
PCB-183	pg/L				DNQ Est. Conc. 1.4(2)	ND	DNQ Est. Conc. 1.4(2)			EPA 1668		0.35	200
PCB-187	pg/L				DNQ Est. Conc. 1.2(2)	ND	DNQ Est. Conc. 1.2(2)			EPA 1668		0.40	200
PCB-189	pg/L				ND	ND	ND			EPA 1668		0.27	20
PCB-194	pg/L				DNQ Est. Conc. 0.62	ND	DNQ Est. Conc. 0.62			EPA 1668		0.33	200
PCB-201	pg/L				ND	ND	ND			EPA 1668		0.21	200
PCB-206	pg/L				ND	ND	ND			EPA 1668		0.94	200
PCB-37	pg/L				DNQ Est. Conc. 2.8	ND	DNQ Est. Conc. 2.8			EPA 1668		1.1	200
PCB-52	pg/L				ND(1)	ND	ND(1)			EPA 1668		0.70	200
PCB-61/70/74/76	pg/L				ND(1)	ND	ND(1)			EPA 1668		0.53	790
PCB-66	pg/L				DNQ Est. Conc. 3.4	ND	DNQ Est. Conc. 3.4			EPA 1668		0.57	200
PCB-77	pg/L				DNQ Est. Conc. 1.2	ND	DNQ Est. Conc. 1.2			EPA 1668		0.75	20
PCB-81	pg/L				ND	ND	ND			EPA 1668		0.74	20
PCB-86/87/97/108/119	pg/L				DNQ Est. Conc. 5.0	ND	DNQ Est. Conc. 5.0			EPA 1668		0.66	1200
PCB-90/101/113	pg/L				ND(1)	ND	ND(1)			EPA 1668		0.66	590
PCB-99	pg/L				DNQ Est. Conc. 2.4	ND	DNQ Est. Conc. 2.4			EPA 1668		0.68	200
PCB110/115	pg/L				ND(1)	ND	ND(1)			EPA 1668		0.60	400
PCB128/166	pg/L				DNQ Est. Conc. 0.59	ND	DNQ Est. Conc. 0.59			EPA 1668		0.47	400
PCB135/151	pg/L				ND	ND	ND			EPA 1668		0.57	400
PCB147/149	pg/L				ND(1)	ND	ND(1)			EPA 1668		0.54	400
PCB153/168	pg/L				ND(1)	ND	ND(1)			EPA 1668		0.42	400
PCB156/157	pg/L				ND	ND	ND			EPA 1668		0.55	40
PCB18/30	pg/L				DNQ Est. Conc. 7.8	ND	DNQ Est. Conc. 7.8			EPA 1668		0.73	400
PCB180/193	pg/L				ND(1)(2)	ND	ND(1)(2)			EPA 1668		0.33	400
PCB20/28	pg/L				ND(1)	ND	ND(1)			EPA 1668		0.87	400

Los Coyotes Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring

Parameter	Units	January	February	March	April	May	June	July	August	September
PCB44/47/65	pg/L							ND(1)		
PCB49/69	pg/L							ND(1)		
Pentachlorophenol	ug/L	ND						ND		
Perchlorate	ug/L	0.3						0.77		
Phenanthrene	ug/L	ND						ND		
Phenol	ug/L	DNQ Est. Conc. 0.28						DNQ Est. Conc. 0.15		
pH	SU	7.6	7.6	7.5	7.6	7.6	7.6	7.7	7.7	7.7
Polychlorinated Biphenyls (PCBs), Sum (as Aroclors)	ug/L	ND						ND		
Polychlorinated Biphenyls (PCBs), Sum (as congeners)	pg/L							ND		
Pyrene	ug/L	ND						ND		
Radium 226 + Radium 228	pCi/L							ND		
Selenium	ug/L	DNQ Est. Conc. 0.30			DNQ Est. Conc. 0.30			DNQ Est. Conc. 0.30		
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	ND			ND			ND		
Strontium-90	pCi/L	0.222			0.216			0.244		
Sulfate	mg/L	122	172	139	179	165	171	170	185	174
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Temperature	Degrees F	75.9	75.9	75.7	78.4	79.3	82.3	85.5	87.1	85.8
Tetrachloroethene	ug/L	ND						ND		
Thallium	ug/L	ND			ND			ND		
Toluene	ug/L	ND						ND		
Total chlorinated hydrocarbons (TICH)	ug/L	ND						ND		
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L	DNQ Est. Conc. 1.13			DNQ Est. Conc. 1.11			DNQ Est. Conc. 2.28		
Total dissolved solids	mg/L	747	851	762	897	897	887	840	886	902
Total hardness (CaCO3)	mg/L	245	271	263	268	264	264	256	257	266
Total Kjeldahl Nitrogen (TKN)	mg/L	3.36	2.49	2.88	4.05	2.60	2.80	2.53	2.42	2.03
Total nitrogen	mg/L	10.0	6.15	7.80	8.05	6.70	6.62	7.55	5.97	7.71
Total phosphorus	mg/L	0.165	0.096	0.137	0.135	0.155	0.114	0.152	0.162	0.194
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	ug/L	ND						ND		
Toxic equivalence	pg/L	ND						ND		
trans-1,2-Dichloroethene	ug/L	ND						ND		
Trichloroethene	ug/L	ND						ND		
Tritium	pCi/L	283			ND			ND		
Turbidity (flow proportioned avg daily value)	NTU	0.67	0.68	0.66	0.65	0.60	0.56	0.59	0.73	0.77
Uranium	pCi/L	0.706			0.633			1.37		
Vinyl chloride	ug/L	ND						ND		
Zinc	ug/L	53.5			41.3			44.5		

Los Coyotes Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
PCB44/47/65	pg/L				ND(1)	ND	ND(1)			EPA 1668		0.62	590
PCB49/69	pg/L				ND(1)	ND	ND(1)			EPA 1668		0.54	400
Pentachlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.62	1.0
Perchlorate	ug/L				0.3	0.5	0.77			EPA 331.0		0.0201	0.05
Phenanthrene	ug/L				ND	ND	ND			EPA 625	5	0.31	5.0
Phenol	ug/L				DNQ Est. Conc. 0.15	ND	DNQ Est. Conc. 0.28			EPA 625	1	0.12	1.0
pH	SU	7.7	7.6	7.6	7.5	7.6	7.7			SM 4500 H+ B		1.00	1.00 - 4.00
Polychlorinated Biphenyls (PCBs), Sum (as Aroclors)	ug/L				ND	ND	ND			EPA 608			
Polychlorinated Biphenyls (PCBs), Sum (as congeners)	pg/L				ND	ND	ND			EPA 1668			
Pyrene	ug/L				ND	ND	ND			EPA 625	10	0.28	10.0
Radium 226 + Radium 228	pCi/L	ND			ND	ND	ND			Drinking H2O Rad.Sum Method			1.0
Selenium	ug/L	DNQ Est. Conc. 0.22			DNQ Est. Conc. 0.22	ND	DNQ Est. Conc. 0.30			EPA 200.8	2	0.04	1.00
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	0.3	0.1	SM 2540F		0.1	0.1
Silver	ug/L	ND			ND	ND	ND			EPA 200.8	0.25	0.02	0.20
Strontium-90	pCi/L	ND			ND	0.171	0.244			EPA 905.0		0.293 - 0.380	0.293 - 3.00
Sulfate	mg/L	194	160	193	122	169	194			EPA 300.0		0.020 - 0.200	2.50 - 5.00
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND	ND			SM 5540D		0.023 - 0.10	0.10 - 0.20
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND	ND			SM 5540C		0.02 - 0.03	0.10
Temperature	Degrees F	83.9	80.7	76.7	75.7	80.6	87.1	86(3)		EPA 170.1 (oF)			
Tetrachloroethene	ug/L				ND	ND	ND			EPA 624	2	0.18	0.50
Thallium	ug/L	ND			ND	ND	ND			EPA 200.8	1	0.015	0.25
Toluene	ug/L				ND	ND	ND			EPA 624	2	0.19	0.50
Total chlorinated hydrocarbons (TICH)	ug/L				ND	ND	ND			EPA 608			
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	(4)	(4)	SM 9222B		1	1
Total cyanide	ug/L	DNQ Est. Conc. 1.12			DNQ Est. Conc. 1.11	ND	DNQ Est. Conc. 2.28	7.0	4.7	SM 4500 CN E	5	1.00	5.00
Total dissolved solids	mg/L	851	812	880	747	851	902			SM 2540C		2.7	62.5 - 100
Total hardness (CaCO3)	mg/L	254	258	243	243	259	271			EPA200.8/SM2340C			0.05 - 12
Total Kjeldahl Nitrogen (TKN)	mg/L	2.85	2.10	2.42	2.03	2.71	4.05			EPA 351.2		0.130 - 0.135	0.333 - 1.00
Total nitrogen	mg/L	7.27	7.13	6.97	5.97	7.33	10.0			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.219	0.141	0.129	0.096	0.15	0.219			EPA 365.1		0.001 - 0.028	0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.03	0.10
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Toxaphene	ug/L				ND	ND	ND			EPA 608	0.5	0.05	0.5
Toxic equivalence	pg/L				ND	ND	ND			EPA 1613B			
trans-1,2-Dichloroethene	ug/L				ND	ND	ND			EPA 624	1	0.16	0.50
Trichloroethene	ug/L				ND	ND	ND			EPA 624	2	0.28	0.50
Tritium	pCi/L	ND			ND	70.8	283			EPA 906.0		315 - 434	315 - 500
Turbidity (flow proportioned avg daily value)	NTU	0.69	0.71	0.54	0.54	0.65	0.77	2		SM 2130B		0.12	0.12
Uranium	pCi/L	1.13			0.633	0.960	1.37			EPA 908.0		0.131 - 0.342	0.158 - 1.00
Vinyl chloride	ug/L				ND	ND	ND			EPA 624	2	0.26	0.50
Zinc	ug/L	39.9			39.9	44.8	53.5			EPA 200.8	1	0.60	1.00

(1) Blank contamination observed.

(2) Possible interference observed. The measured ion ratio did not meet qualitative criteria for analysis and results are considered to be an estimated maximum possible concentration.

(3) The temperature of wastes discharged shall not exceed 86° F except as a result of external ambient temperature.

(4) The number of total coliform bacteria shall not exceed 2.2/100 mL as a 7-day median, 23/100 mL in more than one sample within any 30-day period and 240/100 mL in any sample.

Palmdale WRP Influent Monitoring

Palmdale Water Reclamation Plant
2018 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L	ND							ND	
1,1-Dichloroethene	ug/L	ND							ND	
1,1,1-Trichloroethane	ug/L	ND							ND	
1,1,2-Trichloroethane	ug/L	ND							ND	
1,1,2,2-Tetrachloroethane	ug/L	ND							ND	
1,2-Dichlorobenzene	ug/L	ND							ND	
1,2-Dichloroethane	ug/L	ND							ND	
1,2-Dichloropropane	ug/L	ND							ND	
1,2-Diphenylhydrazine	ug/L	ND							ND	
1,2,4-Trichlorobenzene	ug/L	ND							ND	
1,3-Dichlorobenzene	ug/L	ND							ND	
1,3-Dichloropropene (Total)	ug/L	ND								
1,4-Dichlorobenzene	ug/L	ND							DNQ Est. Conc. 0.08	
2-Chloroethyl vinyl ether (mixed)	ug/L	ND							ND	
2-Chloronaphthalene	ug/L	ND							ND	
2-Chlorophenol	ug/L	ND							ND	
2-Methyl-4,6-dinitrophenol	ug/L	ND							ND	
2-Nitrophenol	ug/L	ND							ND	
2,4-Dichlorophenol	ug/L	ND							ND	
2,4-Dimethylphenol	ug/L	ND							ND	
2,4-Dinitrophenol	ug/L	ND							ND	
2,4-Dinitrotoluene	ug/L	ND							ND	
2,4,6-Trichlorophenol	ug/L	ND							ND	
2,6-Dinitrotoluene	ug/L	ND							ND	
3-Methyl-4-chlorophenol	ug/L	ND							ND	
3,3'-Dichlorobenzidine	ug/L	ND							ND	
4-Bromophenyl phenyl ether	ug/L	ND							ND	
4-Chlorophenyl phenyl ether	ug/L	ND							ND	
4-Nitrophenol	ug/L	ND							ND	
4,4-DDD	ug/L	ND							ND	
4,4-DDE	ug/L	ND							ND	
4,4'-DDT	ug/L	ND							ND	
Acenaphthene	ug/L	ND							ND	
Acenaphthylene	ug/L	ND							ND	
Acrolein	ug/L	ND							ND	
Acrylonitrile	ug/L	ND							ND	
Aldrin	ug/L	ND							ND	
alpha-Endosulfan	ug/L	ND							ND	
alpha-Hexachlorocyclohexane (BHC)	ug/L	ND							ND	
Ammonia as nitrogen	mg/L	48.5	39.8	53.0	32.8	49.2	40.4	41.1	45.9	33.0
Anthracene	ug/L	ND							ND	
Antimony	ug/L	0.61							0.92	
Arsenic	ug/L	1.57							DNQ Est. Conc. 0.74	
Benzene	ug/L	ND							DNQ Est. Conc. 0.23	
Benzidine	ug/L	ND							ND	
Benzo(a)anthracene	ug/L	ND							ND	
Benzo(a)pyrene	ug/L	ND							ND	
Benzo(b)fluoranthene	ug/L	ND							ND	
Benzo(g,h,i)perylene	ug/L	ND							ND	
Benzo(k)fluoranthene	ug/L	ND							ND	
Beryllium	ug/L	ND							ND	
beta-Endosulfan	ug/L	ND							ND	
beta-Hexachlorocyclohexane	ug/L	ND							ND	
bis(2-Chloroethoxy) methane	ug/L	ND							ND	
bis(2-Chloroethyl) ether	ug/L	ND							ND	
bis(2-Chloroisopropyl) ether	ug/L	ND							ND	
bis(2-Ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 9.7							ND	
Bromodichloromethane	ug/L	DNQ Est. Conc. 0.19							DNQ Est. Conc. 0.42	
Bromoform	ug/L	DNQ Est. Conc. 0.31							0.60	
Butyl benzyl phthalate	ug/L	ND							ND	

Palmdale Water Reclamation Plant
2018 Influent Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624	1	0.07 - 0.22	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.13 - 0.43	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.07 - 0.17	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.10 - 0.24	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624	1	0.10 - 0.13	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.12 - 0.18	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.22	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.09 - 0.11	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625	1	0.20	10.0 - 40.0
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625	5	0.19	50.0 - 200
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.09 - 0.21	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	DNQ Est. Conc. 0.08	EPA 624	2	0.07 - 0.18	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624	1	0.16 - 0.29	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625	10	0.13	100 - 400
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.18	50.0 - 200
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	0.92	50.0 - 200
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	0.10	100 - 400
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.63	50.0 - 200
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625	2	0.88	20.0 - 80.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	2.8	50.0 - 200
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.27	50.0 - 200
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625	10	0.21	100 - 400
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.28	50.0 - 200
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625	1	0.44	10.0 - 40.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625	5	0.81	50.0 - 200
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.27	50.0 - 200
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.32	50.0 - 200
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	1.3	100 - 400
4,4-DDD	ug/L				ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.05 - 0.10
4,4-DDE	ug/L				ND	ND	ND	EPA 608	0.05	0.001	0.05 - 0.10
4,4'-DDT	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.05 - 0.10
Acenaphthene	ug/L				ND	ND	ND	EPA 625	1	0.22	10.0 - 40.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625	10	0.19	100 - 400
Acrolein	ug/L				ND	ND	ND	EPA 624		0.93	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624		0.79	2.0
Aldrin	ug/L				ND	ND	ND	EPA 608	0.005	0.0009 - 0.002	0.02 - 0.05
alpha-Endosulfan	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.05 - 0.10
alpha-Hexachlorocyclohexane (BHC)	ug/L				ND	ND	ND	EPA 608	0.01	0.0005 - 0.002	0.05 - 0.10
Ammonia as nitrogen	mg/L	41.7	36.1	44.1	32.8	42.1	53.0	SM 4500 NH3 G		0.020	3.00 - 5.00
Anthracene	ug/L				ND	ND	ND	EPA 625	10	0.19	100 - 400
Antimony	ug/L				0.61	0.77	0.92	EPA 200.8	0.5	0.32	0.50
Arsenic	ug/L				DNQ Est. Conc. 0.74	0.79	1.57	EPA 200.8	2	0.14	1.00
Benzene	ug/L				ND	ND	DNQ Est. Conc. 0.23	EPA 624	2	0.10 - 0.11	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625	5	1.8	50.0 - 200
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625	5	0.14	50.0 - 200
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625	10	0.19	100 - 400
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.22	100 - 400
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625	5	0.12	50.0 - 200
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.19	100 - 400
Beryllium	ug/L				ND	ND	ND	EPA 200.8	0.5	0.030	0.25
beta-Endosulfan	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.05 - 0.10
beta-Hexachlorocyclohexane	ug/L				ND	ND	ND	EPA 608	0.005	0.002 - 0.004	0.02 - 0.05
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625	5	0.11	50.0 - 200
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625	1	0.20	10.0 - 40.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625	2	0.20	20.0 - 80.0
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	DNQ Est. Conc. 9.7	EPA 625	5	0.16	20.0 - 80.0
Bromodichloromethane	ug/L				DNQ Est. Conc. 0.19	ND	DNQ Est. Conc. 0.42	EPA 624	2	0.09 - 0.14	0.50
Bromoform	ug/L				DNQ Est. Conc. 0.31	0.30	0.60	EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.12	100 - 400

Palmdale Water Reclamation Plant
2018 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Cadmium	ug/L	DNQ Est. Conc. 0.16							DNQ Est. Conc. 0.16	
Carbon tetrachloride	ug/L	ND							ND	
Chlordane	ug/L	ND							ND	
Chlorobenzene	ug/L	ND							ND	
Chlorodibromomethane	ug/L	DNQ Est. Conc. 0.33							0.63	
Chloroethane	ug/L	ND							ND	
Chloroform	ug/L	1.2							1.0	
Chromium VI	ug/L	0.09								
Chromium, total	ug/L	7.39							3.36	
Chrysene	ug/L	ND							ND	
Copper	ug/L	54.4							84.2	
delta-Hexachlorocyclohexane	ug/L	ND							ND	
Di-n-butyl phthalate	ug/L	ND							ND	
Di-n-octyl phthalate	ug/L	ND							ND	
Dibenzo(a,h)anthracene	ug/L	ND							ND	
Dieldrin	ug/L	ND							ND	
Diesel range organics	ug/L	11100			9950				8190	
Diethyl phthalate	ug/L	DNQ Est. Conc. 4.8							DNQ Est. Conc. 13.3	
Dimethyl phthalate	ug/L	ND							ND	
Endosulfan sulfate	ug/L	ND							ND	
Endrin aldehyde	ug/L	ND							ND	
Endrin	ug/L	ND							ND	
Ethylbenzene	ug/L	ND							ND	
Fluoranthene	ug/L	ND							ND	
Fluorene	ug/L	ND							ND	
Gasoline range organics	ug/L	ND			DNQ Est. Conc. 25				DNQ Est. Conc. 20	
Heptachlor epoxide	ug/L	ND								
Heptachlor	ug/L	ND							ND	
Hexachlorobenzene	ug/L	ND							ND	
Hexachlorobutadiene	ug/L	ND							ND	
Hexachlorocyclopentadiene	ug/L	ND							ND	
Hexachloroethane	ug/L	ND							ND	
Indeno (1,2,3-cd) pyrene	ug/L	ND							ND	
Isophorone	ug/L	ND							ND	
Lead	ug/L	0.97							1.46	
Lindane (gamma-Hexachlorocyclohexane)	ug/L	ND							ND	
Mercury	ug/L	0.17								
Methyl bromide (Bromomethane)	ug/L	ND							ND	
Methyl chloride (Chloromethane)	ug/L	ND							ND	
Methylene chloride	ug/L	ND							DNQ Est. Conc. 0.25	
n-Nitrosodi-n-propylamine	ug/L	ND							ND	
n-Nitrosodimethylamine (NDMA)	ug/L	ND							ND	
n-Nitrosodiphenylamine	ug/L	ND							ND	
Naphthalene	ug/L	ND							ND	
Nickel	ug/L	2.82							3.35	
Nitrate as nitrogen	mg/L	ND	ND	ND	ND	ND	ND	ND	0.467	ND
Nitrobenzene	ug/L	ND							ND	
Pentachlorophenol	ug/L	ND							ND	
Phenanthrene	ug/L	ND							ND	
Phenols	ug/L		121							
Phenol	ug/L	54.0							65.0	
Pyrene	ug/L	ND							ND	
Selenium	ug/L	1.09							DNQ Est. Conc. 0.73	
Silver	ug/L	0.47							0.35	
Tetrachloroethene	ug/L	ND							DNQ Est. Conc. 0.20	
Thallium	ug/L	ND							ND	
Toluene	ug/L	0.97							2.0	
Total BOD5	mg/L	420	406	307	313	308	338	391	325	356
Total COD	mg/L	938	950	852	714	847	849	817	642	781
Total cyanide	ug/L	ND								

Palmdale Water Reclamation Plant
2018 Influent Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Cadmium	ug/L				DNQ Est. Conc. 0.16	ND	DNQ Est. Conc. 0.16	EPA 200.8	0.25	0.031	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.11 - 0.17	0.50
Chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.01 - 0.02	0.25 - 0.50
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.08 - 0.13	0.50
Chlorodibromomethane	ug/L				DNQ Est. Conc. 0.33	0.32	0.63	EPA 624	2	0.08 - 0.22	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.22	0.50
Chloroform	ug/L				1.0	1.1	1.2	EPA 624	2	0.09 - 0.14	0.50
Chromium VI	ug/L				0.09	0.09	0.09	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				3.36	5.38	7.39	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625	10	0.16	100 - 400
Copper	ug/L				54.4	69.3	84.2	EPA 200.8	0.5	0.11	0.50
delta-Hexachlorocyclohexane	ug/L				ND	ND	ND	EPA 608	0.005	0.001 - 0.004	0.02 - 0.05
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.12	100 - 400
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.11	100 - 400
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625	10	0.13	100 - 400
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.05 - 0.10
Diesel range organics	ug/L	9520			8190	9690	11100	SW8015 Diesel/Oil Organics		22	500 - 2500
Diethyl phthalate	ug/L				DNQ Est. Conc. 4.8	ND	DNQ Est. Conc. 13.3	EPA 625	2	0.26	20.0 - 80.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625	2	0.28	20.0 - 80.0
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608	0.05	0.002 - 0.009	0.05 - 0.10
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.05 - 0.10
Endrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.05 - 0.10
Ethylbenzene	ug/L				ND	ND	ND	EPA 624	2	0.10 - 0.12	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625	1	0.24	10.0 - 40.0
Fluorene	ug/L				ND	ND	ND	EPA 625	10	0.35	100 - 400
Gasoline range organics	ug/L	ND			ND	ND	DNQ Est. Conc. 25	SW8015 Gas-Range Organics		9	50
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.05
Heptachlor	ug/L				ND	ND	ND	EPA 608	0.01	0.0008 - 0.0009	0.05 - 0.10
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625	1	0.17	10.0 - 40.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625	1	0.33	10.0 - 40.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625	5	0.53	50.0 - 200
Hexachloroethane	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0 - 40.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625	10	0.12	100 - 400
Isophorone	ug/L				ND	ND	ND	EPA 625	1	0.11	10.0 - 40.0
Lead	ug/L				0.97	1.2	1.46	EPA 200.8	0.5	0.01	0.25
Lindane (gamma-Hexachlorocyclohexane)	ug/L				ND	ND	ND	EPA 608	0.02	0.0009 - 0.001	0.05 - 0.10
Mercury	ug/L				0.17	0.17	0.17	EPA 245.1	0.5	0.004	0.04
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.20 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND	EPA 624	2	0.06 - 0.15	0.50
Methylene chloride	ug/L				ND	ND	DNQ Est. Conc. 0.25	EPA 624	2	0.19 - 0.20	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 1625 (Modified) & EPA 625	5	0.0003 - 0.50	0.020 - 200
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA 1625 (Modified) & EPA 625	5	0.0005 - 0.34	0.020 - 200
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 625	1	0.28	10.0 - 40.0
Naphthalene	ug/L				ND	ND	ND	EPA 625	1	0.13	10.0 - 40.0
Nickel	ug/L				2.82	3.09	3.35	EPA 200.8	1	0.12	1.00
Nitrate as nitrogen	mg/L	0.249	ND	ND	ND	0.0597	0.467	SM 4500 NO3 F		0.030	0.200
Nitrobenzene	ug/L				ND	ND	ND	EPA 625	1	0.17	10.0 - 40.0
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.62	10.0 - 40.0
Phenanthrene	ug/L				ND	ND	ND	EPA 625	5	0.31	50.0 - 200
Phenols	ug/L				121	121	121	EPA 420.1		2	30
Phenol	ug/L				54.0	59.5	65.0	EPA 625	1	0.12	10.0 - 40.0
Pyrene	ug/L				ND	ND	ND	EPA 625	10	0.28	100 - 400
Selenium	ug/L				DNQ Est. Conc. 0.73	0.55	1.09	EPA 200.8	2	0.04	1.00
Silver	ug/L				0.35	0.41	0.47	EPA 200.8	0.25	0.02	0.20
Tetrachloroethene	ug/L				ND	ND	DNQ Est. Conc. 0.20	EPA 624	2	0.16 - 0.25	0.50
Thallium	ug/L				ND	ND	ND	EPA 200.8	1	0.015	0.25
Toluene	ug/L				0.97	1.5	2.0	EPA 624	2	0.06 - 0.08	0.50
Total BOD5	mg/L	332	290	256	256	337	420	SM 5210B		0.6	75 - 120
Total COD	mg/L	770	732	761	642	804	950	SM 5220D (std)		8.5	25.0 - 125
Total cyanide	ug/L				ND	ND	ND	EPA 335.4 Cyanide, Total		2.7	5.0

Palmdale Water Reclamation Plant
2018 Influent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Total dissolved solids	mg/L	474						500		
Total Kjeldahl Nitrogen (TKN)	mg/L	66.0	55.0	71.5	51.8	75.2	56.5	60.0	69.5	46.2
Total trihalomethanes	ug/L	2.0							2.2	
Toxaphene	ug/L	ND							ND	
trans-1,2-Dichloroethene	ug/L	ND							ND	
Trichloroethene	ug/L	ND							ND	
Vinyl chloride	ug/L	ND							ND	
Zinc	ug/L	350							545	

Palmdale Water Reclamation Plant
2018 Influent Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Total dissolved solids	mg/L				474	487	500	SM 2540C		2.7	25.0 - 50.0
Total Kjeldahl Nitrogen (TKN)	mg/L	74.2	44.5	59.2	44.5	60.8	75.2	EPA 351.2		0.135	5.00 - 50.0
Total trihalomethanes	ug/L				2.0	2.1	2.2	EPA 624			0.50
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.05 - 0.08	2.5 - 5.0
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624	1	0.09 - 0.45	0.50
Trichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.13 - 0.25	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.20 - 0.37	0.50
Zinc	ug/L				350	448	545	EPA 200.8	1	0.60	5.00 - 20.0

Palmdale WRP Effluent Monitoring

Palmdale Water Reclamation Plant
2018 Tertiary Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L	ND							ND	
1,1-Dichloroethene	ug/L	ND							ND	
1,1,1-Trichloroethane	ug/L	ND							ND	
1,1,2-Trichloroethane	ug/L	ND							ND	
1,1,2,2-Tetrachloroethane	ug/L	ND							ND	
1,2-Dichlorobenzene	ug/L	ND							ND	
1,2-Dichloroethane	ug/L	ND							ND	
1,2-Dichloropropane	ug/L	ND							ND	
1,2-Diphenylhydrazine	ug/L	ND							ND	
1,2,4-Trichlorobenzene	ug/L	ND							ND	
1,3-Dichlorobenzene	ug/L	ND							ND	
1,3-Dichloropropene (Total)	ug/L	ND							ND	
1,4-Dichlorobenzene	ug/L	ND							ND	
2-Chloroethyl vinyl ether (mixed)	ug/L	ND							ND	
2-Chloronaphthalene	ug/L	ND							ND	
2-Chlorophenol	ug/L	ND							ND	
2-Methyl-4,6-dinitrophenol	ug/L	ND							ND	
2-Nitrophenol	ug/L	ND							ND	
2,4-Dichlorophenol	ug/L	ND							ND	
2,4-Dimethylphenol	ug/L	ND							ND	
2,4-Dinitrophenol	ug/L	ND							ND	
2,4-Dinitrotoluene	ug/L	ND							ND	
2,4,6-Trichlorophenol	ug/L	ND							DNQ Est. Conc. 0.21	
2,6-Dinitrotoluene	ug/L	ND							ND	
3-Methyl-4-chlorophenol	ug/L	ND							ND	
3,3'-Dichlorobenzidine	ug/L	ND							ND	
4-Bromophenyl phenyl ether	ug/L	ND							ND	
4-Chlorophenyl phenyl ether	ug/L	ND							ND	
4-Nitrophenol	ug/L	ND							ND	
4,4'-DDD	ug/L	ND							ND	
4,4'-DDE	ug/L	ND							ND	
4,4'-DDT	ug/L	ND							ND	
Acenaphthene	ug/L	ND							ND	
Acenaphthylene	ug/L	ND							ND	
Acrolein	ug/L	ND							ND	
Acrylonitrile	ug/L	ND							ND	
Aldrin	ug/L	ND							ND	
alpha-Endosulfan	ug/L	ND							ND	
alpha-Hexachlorocyclohexane (BHC)	ug/L	ND							ND	
Ammonia as nitrogen	mg/L	1.40	2.22	2.84	1.15	5.05	2.34	1.46	0.645	1.14
Anthracene	ug/L	ND							ND	
Antimony	ug/L	DNQ Est. Conc. 0.44							DNQ Est. Conc. 0.48	
Arsenic	ug/L	DNQ Est. Conc. 0.61							DNQ Est. Conc. 0.38	
Benzene	ug/L	ND							ND	
Benzidine	ug/L	ND							ND	
Benzo(a)anthracene	ug/L	ND							ND	
Benzo(a)pyrene	ug/L	ND							ND	
Benzo(b)fluoranthene	ug/L	ND							ND	
Benzo(g,h,i)perylene	ug/L	ND							ND	
Benzo(k)fluoranthene	ug/L	ND							ND	
Beryllium	ug/L	ND							ND	
beta-Endosulfan	ug/L	ND							ND	
beta-Hexachlorocyclohexane	ug/L	ND							ND	
bis(2-Chloroethoxy) methane	ug/L	ND							ND	
bis(2-Chloroethyl) ether	ug/L	ND							ND	
bis(2-Chloroisopropyl) ether	ug/L	ND							ND	
bis(2-Ethylhexyl) phthalate	ug/L	ND			ND				ND	
BOD5, filtered	mg/L	ND	ND	4.0	ND	ND	ND	3.5	ND	ND
Bromodichloromethane	ug/L	1.2			0.91				2.5	
Bromoform	ug/L	ND			DNQ Est. Conc. 0.21				ND	
Butyl benzyl phthalate	ug/L	ND							ND	
Cadmium	ug/L	ND							ND	
Calcium	mg/L	34.8			36.4				32.5	
Carbon tetrachloride	ug/L	ND							ND	
Chemical oxygen demand (COD)	mg/L	ND	ND	ND	ND	ND	ND	25.0	ND	ND
Chlordane	ug/L	ND							ND	
Chloride	mg/L	112			131				163	
Chlorobenzene	ug/L	ND							ND	

Palmdale Water Reclamation Plant
2018 Tertiary Effluent Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L				ND	ND	ND			EPA 624	1	0.22	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND			EPA 624	2	0.43	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.17	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.24	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND			EPA 624	1	0.13	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.18	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND			EPA 624	2	0.22	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND			EPA 624	1	0.11	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND			EPA 625	1	0.20	1.0
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND			EPA 625	5	0.19	5.0
1,3-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.21	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.18	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND			EPA 624	1	0.29	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND			EPA 625	10	0.13	10.0
2-Chlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.18	5.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND			EPA 625	5	0.92	5.0
2-Nitrophenol	ug/L				ND	ND	ND			EPA 625	10	0.10	10.0
2,4-Dichlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.63	5.0
2,4-Dimethylphenol	ug/L				ND	ND	ND			EPA 625	2	0.88	2.0
2,4-Dinitrophenol	ug/L				ND	ND	ND			EPA 625	5	2.8	5.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625	5	0.27	5.0
2,4,6-Trichlorophenol	ug/L				ND	ND	DNQ Est. Conc. 0.21			EPA 625	10	0.21	10.0
2,6-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625	5	0.28	5.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND			EPA 625	1	0.44	1.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND			EPA 625	5	0.81	5.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625	5	0.27	5.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625	5	0.32	5.0
4-Nitrophenol	ug/L				ND	ND	ND			EPA 625	10	1.3	10.0
4,4'-DDD	ug/L				ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L				ND	ND	ND			EPA 608	0.05	0.001	0.01
4,4'-DDT	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L				ND	ND	ND			EPA 625	1	0.22	1.0
Acenaphthylene	ug/L				ND	ND	ND			EPA 625	10	0.19	10.0
Acrolein	ug/L				ND	ND	ND			EPA 624		0.93	2.0
Acrylonitrile	ug/L				ND	ND	ND			EPA 624		0.79	2.0
Aldrin	ug/L				ND	ND	ND			EPA 608	0.005	0.0009 - 0.002	0.005
alpha-Endosulfan	ug/L				ND	ND	ND			EPA 608	0.02	0.001	0.01
alpha-Hexachlorocyclohexane (BHC)	ug/L				ND	ND	ND			EPA 608	0.01	0.0005 - 0.002	0.01
Ammonia as nitrogen	mg/L	0.853	0.937	1.22	0.645	1.77	5.05			SM 4500 NH3 G		0.020	0.100 - 0.500
Anthracene	ug/L				ND	ND	ND			EPA 625	10	0.19	10.0
Antimony	ug/L				DNQ Est. Conc. 0.44	ND	DNQ Est. Conc. 0.48			EPA 200.8	0.5	0.32	0.50
Arsenic	ug/L				DNQ Est. Conc. 0.38	ND	DNQ Est. Conc. 0.61			EPA 200.8	2	0.14	1.00
Benzene	ug/L				ND	ND	ND			EPA 624	2	0.11	0.50
Benzidine	ug/L				ND	ND	ND			EPA 625	5	1.8	5.0
Benzo(a)anthracene	ug/L				ND	ND	ND			EPA 625	5	0.14	5.0
Benzo(a)pyrene	ug/L				ND	ND	ND			EPA 610	10	0.007	0.020
Benzo(b)fluoranthene	ug/L				ND	ND	ND			EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L				ND	ND	ND			EPA 625	5	0.12	5.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND			EPA 610	10	0.005	0.020
Beryllium	ug/L				ND	ND	ND			EPA 200.8	0.5	0.030	0.25
beta-Endosulfan	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
beta-Hexachlorocyclohexane	ug/L				ND	ND	ND			EPA 608	0.005	0.002 - 0.004	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND			EPA 625	5	0.11	5.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND			EPA 625	1	0.20	1.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND			EPA 625	2	0.20	2.0
bis(2-Ethylhexyl) phthalate	ug/L	ND			ND	ND	ND			EPA 625	5	0.16	2.0
BOD5, filtered	mg/L	ND	ND	ND	ND	0.63	4.0	30	10	SM 5210B		0.6	3
Bromodichloromethane	ug/L	3.2			0.91	2.0	3.2			EPA 624	2	0.14	0.50
Bromoform	ug/L	DNQ Est. Conc. 0.24			ND	ND	DNQ Est. Conc. 0.24			EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.12	10.0
Cadmium	ug/L				ND	ND	ND			EPA 200.8	0.25	0.031	0.20
Calcium	mg/L	28.5			28.5	33.1	36.4			EPA 200.8		0.004	0.020
Carbon tetrachloride	ug/L				ND	ND	ND			EPA 624	2	0.17	0.50
Chemical oxygen demand (COD)	mg/L	ND	ND	ND	ND	2.08	25.0			SM 5220D (std)		8.5	25.0
Chlordane	ug/L				ND	ND	ND			EPA 608	0.1	0.01 - 0.02	0.05
Chloride	mg/L	146			112	138	163			EPA 300.0		0.070 - 0.100	4.00 - 10.0
Chlorobenzene	ug/L				ND	ND	ND			EPA 624	2	0.13	0.50

Palmdale Water Reclamation Plant
2018 Tertiary Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Chlorodibromomethane	ug/L	ND			ND				DNQ Est. Conc. 0.34	
Chloroethane	ug/L	ND							ND	
Chloroform	ug/L	7.8			5.3				12.0	
Chromium VI	ug/L	ND							ND	
Chromium, total	ug/L	1.22							DNQ Est. Conc. 0.46	
Chrysene	ug/L	ND							ND	
Copper	ug/L	1.53							1.28	
delta-Hexachlorocyclohexane	ug/L	ND							ND	
Di-n-butyl phthalate	ug/L	ND							ND	
Di-n-octyl phthalate	ug/L	ND							ND	
Dibenzo(a,h)anthracene	ug/L	ND							ND	
Dibromoacetic acid	ug/L	ND			ND				ND	
Dichloroacetic acid	ug/L	12			13				14	
Dieldrin	ug/L	ND							ND	
Diesel range organics	ug/L	DNQ Est. Conc. 46			153				118	
Diethyl phthalate	ug/L	ND							ND	
Dimethyl phthalate	ug/L	ND							ND	
Dissolved oxygen	mg/L	7.7	7.8	7.7	7.3	7.0	7.0	7.0	6.9	7.0
Endosulfan sulfate	ug/L	ND							ND	
Endrin aldehyde	ug/L	ND							ND	
Endrin	ug/L	ND							ND	
Ethylbenzene	ug/L	ND							ND	
Fluoranthene	ug/L	ND							ND	
Fluorene	ug/L	ND							ND	
Gasoline range organics	ug/L	ND			ND				ND	
Heptachlor epoxide	ug/L	ND							ND	
Heptachlor	ug/L	ND							0.01	
Hexachlorobenzene	ug/L	ND							ND	
Hexachlorobutadiene	ug/L	ND							ND	
Hexachlorocyclopentadiene	ug/L	ND							ND	
Hexachloroethane	ug/L	ND							ND	
Indeno (1,2,3-cd) pyrene	ug/L	ND							ND	
Isophorone	ug/L	ND							ND	
Lead	ug/L	DNQ Est. Conc. 0.07							DNQ Est. Conc. 0.04	
Lindane (gamma-Hexachlorocyclohexane)	ug/L	ND							0.01	
Magnesium	mg/L	5.8			10.6				11.1	
Mercury	ug/L	0.00075							0.00072	0.00097
Methyl bromide (Bromomethane)	ug/L	ND							ND	
Methyl chloride (Chloromethane)	ug/L	ND							ND	
Methyl tert-butyl ether (MTBE)	ug/L	ND							ND	
Methylene chloride	ug/L	ND							ND	
Monobromoacetic acid	ug/L	ND			ND				ND	
Monochloroacetic acid	ug/L	ND			ND				ND	
n-Nitrosodi-n-propylamine	ug/L	ND							ND	
n-Nitrosodimethylamine (NDMA)	ug/L	0.086	0.053	0.60	0.30	0.021	0.48	0.37	0.82	0.60
n-Nitrosodiphenylamine	ug/L	ND							ND	
Naphthalene	ug/L	ND							ND	
Nickel	ug/L	DNQ Est. Conc. 0.93							1.19	
Nitrate as nitrogen	mg/L	1.61	1.95	1.18	0.906	1.03	1.74	8.90	2.96	1.53
Nitrite as nitrogen	mg/L	ND	0.316	0.191	0.124	0.420	0.264	0.038	ND	ND
Nitrobenzene	ug/L	ND							ND	
Pentachlorophenol	ug/L	ND							ND	
Phenanthrene	ug/L	ND							ND	
Phenols	ug/L	DNQ Est. Conc. 2							DNQ Est. Conc. 4	
Phenol	ug/L	ND							ND	
pH	SU	7.2	7.2	7.4	7.0	7.2	7.1	6.9	7.3	7.1
Pyrene	ug/L	ND							ND	
Selenium	ug/L	DNQ Est. Conc. 0.33							DNQ Est. Conc. 0.13	
Silver	ug/L	ND							ND	
Sodium	mg/L	113			111				122	
Sulfate	mg/L	66.3			66.0				66.2	
Surfactant (MBAS)	mg/L			0.11	0.10			ND		
Temperature	°C	20.2	21.4	21.6	23.2	23.7	24.9	28.9	27.9	25.7
Tetrachloroethene	ug/L	ND							ND	
Thallium	ug/L	ND							ND	
Toluene	ug/L	ND							ND	
Total coliform	MPN/100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L		ND					ND		

Palmdale Water Reclamation Plant
2018 Tertiary Effluent Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Chlorodibromomethane	ug/L	0.52			ND	0.13	0.52			EPA 624	2	0.22	0.50
Chloroethane	ug/L				ND	ND	ND			EPA 624	2	0.22	0.50
Chloroform	ug/L	8.3			5.3	8.4	12.0			EPA 624	2	0.14	0.50
Chromium VI	ug/L				ND	ND	ND			EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				DNQ Est. Conc. 0.46	0.61	1.22			EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L				ND	ND	ND			EPA 610	10	0.005	0.020
Copper	ug/L				1.28	1.41	1.53			EPA 200.8	0.5	0.11	0.50
delta-Hexachlorocyclohexane	ug/L				ND	ND	ND			EPA 608	0.005	0.001 - 0.004	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.12	10.0
Di-n-octyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.11	10.0
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND			EPA 610	10	0.004	0.020
Dibromoacetic acid	ug/L	ND			ND	ND	ND			EPA 552.2		0.13	1.0
Dichloroacetic acid	ug/L	14			12	13	14			EPA 552.2		0.41	1.0
Dieldrin	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Diesel range organics	ug/L	ND			ND	68	153			SW8015 Diesel/Oil Organics		22	100
Diethyl phthalate	ug/L				ND	ND	ND			EPA 625	2	0.26	2.0
Dimethyl phthalate	ug/L				ND	ND	ND			EPA 625	2	0.28	2.0
Dissolved oxygen	mg/L	7.1	7.5	7.8	6.9	7.3	7.8	≥ 1		HACH 10360 LDO			
Endosulfan sulfate	ug/L				ND	ND	ND			EPA 608	0.05	0.002 - 0.009	0.01
Endrin aldehyde	ug/L				ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L				ND	ND	ND			EPA 624	2	0.10	0.50
Fluoranthene	ug/L				ND	ND	ND			EPA 625	1	0.24	1.0
Fluorene	ug/L				ND	ND	ND			EPA 625	10	0.35	10.0
Gasoline range organics	ug/L	ND			ND	ND	ND			SW8015 Gas-Range Organics		9	50
Heptachlor epoxide	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L				ND	0.005	0.01			EPA 608	0.01	0.0008 - 0.0009	0.01
Hexachlorobenzene	ug/L				ND	ND	ND			EPA 625	1	0.17	1.0
Hexachlorobutadiene	ug/L				ND	ND	ND			EPA 625	1	0.33	1.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND			EPA 625	5	0.53	5.0
Hexachloroethane	ug/L				ND	ND	ND			EPA 625	1	0.13	1.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND			EPA 610	10	0.004	0.020
Isophorone	ug/L				ND	ND	ND			EPA 625	1	0.11	1.0
Lead	ug/L				DNQ Est. Conc. 0.04	ND	DNQ Est. Conc. 0.07			EPA 200.8	0.5	0.01	0.25
Lindane (gamma-Hexachlorocyclohexane)	ug/L				ND	0.005	0.01			EPA 608	0.02	0.0009 - 0.001	0.01
Magnesium	mg/L	10.2			5.8	9.4	11.1			EPA 200.8		0.001	0.020
Mercury	ug/L				0.00072	0.00081	0.00097			EPA 1631E		0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND			EPA 624	2	0.20	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND			EPA 624	2	0.15	0.50
Methyl tert-butyl ether (MTBE)	ug/L				ND	ND	ND			EPA 624		0.08	0.50
Methylene chloride	ug/L				ND	ND	ND			EPA 624	2	0.19	0.50
Monobromoacetic acid	ug/L	ND			ND	ND	ND			EPA 552.2		0.21	1.0
Monochloroacetic acid	ug/L	ND			ND	ND	ND			EPA 552.2		0.32	2.0
n-Nitrosodi-n-propylamine	ug/L	ND			ND	ND	ND			EPA 1625 (Mod.)/EPA 625		0.0003 - 0.50	0.0020 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L	1.1	0.83	0.68	0.021	0.50	1.1			EPA 1625 (Modified)	5	0.0005	0.0020 - 0.010
n-Nitrosodiphenylamine	ug/L	ND			ND	ND	ND			EPA 1625 (Mod.)/EPA 625	1	0.0013 - 0.28	0.010 - 1.0
Naphthalene	ug/L				ND	ND	ND			EPA 625	1	0.13	1.0
Nickel	ug/L				DNQ Est. Conc. 0.93	0.60	1.19			EPA 200.8	1	0.12	1.00
Nitrate as nitrogen	mg/L	1.46	2.60	2.57	0.906	2.37	8.90			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	ND	ND	0.030	ND	0.12	0.420			SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L				ND	ND	ND			EPA 625	1	0.17	1.0
Pentachlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.62	1.0
Phenanthrene	ug/L				ND	ND	ND			EPA 625	5	0.31	5.0
Phenols	ug/L				DNQ Est. Conc. 2	ND	DNQ Est. Conc. 4			EPA 420.1		2	6
Phenol	ug/L				ND	ND	ND			EPA 625	1	0.12	1.0
pH	SU	7.2	7.3	6.8	6.8	7.1	7.4	6 < pH < 9		SM 4500 H+ B		1.00	1.00 - 4.00
Pyrene	ug/L				ND	ND	ND			EPA 625	10	0.28	10.0
Selenium	ug/L				DNQ Est. Conc. 0.13	ND	DNQ Est. Conc. 0.33			EPA 200.8	2	0.04	1.00
Silver	ug/L				ND	ND	ND			EPA 200.8	0.25	0.02	0.20
Sodium	mg/L	121			111	117	122			EPA 200.8		0.004	0.20 - 4.0
Sulfate	mg/L	61.6			61.6	65.0	66.3			EPA 300.0		0.020 - 0.200	1.00 - 2.50
Surfactant (MBAS)	mg/L	ND			ND	0.053	0.11	2	1	SM 5540C		0.03	0.10
Temperature	°C	23.7	21.8	20.2	20.2	23.6	28.9			EPA 170.1 (oC)			
Tetrachloroethene	ug/L				ND	ND	ND			EPA 624	2	0.25	0.50
Thallium	ug/L				ND	ND	ND			EPA 200.8	1	0.015	0.25
Toluene	ug/L				ND	ND	ND			EPA 624	2	0.08	0.50
Total coliform	MPN/100mL	ND	ND	ND	ND	ND	ND	23/240		SM 9222B		1	1
Total cyanide	ug/L				ND	ND	ND			SM 4500 CN E	5	1.0	5.0

Palmdale Water Reclamation Plant
2018 Tertiary Effluent Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Total dissolved solids	mg/L			449	460			509		
Total haloacetic acids	ug/L	19			23				19	
Total Kjeldahl Nitrogen (TKN)	mg/L	2.31	3.80	3.72	2.80	6.50	3.80	1.29	2.28	2.04
Total organic carbon	mg/L	5.77			7.78	6.84	5.73	6.21	6.54	5.52
Total trihalomethanes	ug/L	9.0			6.2				14.5	
Toxaphene	ug/L	ND							ND	
trans-1,2-Dichloroethene	ug/L	ND							ND	
Trichloroacetic acid	ug/L	6.1			9.6				4.6	
Trichloroethene	ug/L	ND							ND	
Vinyl chloride	ug/L	ND							ND	
Zinc	ug/L	70.1							88.0	

Palmdale Water Reclamation Plant
2018 Tertiary Effluent Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Total dissolved solids	mg/L	457			449	469	509			SM 2540C		2.7	25.0
Total haloacetic acids	ug/L	18			18	20	23			EPA 552.2		0.41 - 1.0	1.0
Total Kjeldahl Nitrogen (TKN)	mg/L	2.23	3.52	2.80	1.29	3.09	6.50			EPA 351.2		0.135	0.333 - 1.00
Total organic carbon	mg/L	5.40	5.26	6.20	5.26	6.13	7.78			SM 5310C		0.05	2.50
Total trihalomethanes	ug/L	12.0			6.2	10	14.5			EPA 624			0.50
Toxaphene	ug/L				ND	ND	ND			EPA 608	0.5	0.05 - 0.08	0.5
trans-1,2-Dichloroethene	ug/L				ND	ND	ND			EPA 624	1	0.45	0.50
Trichloroacetic acid	ug/L	3.5			3.5	6.0	9.6			EPA 552.2		0.22	1.0
Trichloroethene	ug/L				ND	ND	ND			EPA 624	2	0.25	0.50
Vinyl chloride	ug/L				ND	ND	ND			EPA 624	2	0.20	0.50
Zinc	ug/L				70.1	79.1	88.0			EPA 200.8	1	0.60	1.00

Palmdale WRP Biosolids Monitoring

EPA	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460 BIOSOLIDS ANNUAL REPORT	FORM Approved OMB No. 2040-0004

EPA's sewage sludge regulations require certain publicly owned treatment works (POTWs) and Class I sewage sludge management facilities to submit to a Sewage Sludge (Biosolids) Annual Report (see 40 CFR 503.18 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_118), 503.28 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_128), 503.48 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_148)). Facilities that must submit a Sewage Sludge (Biosolids) Annual Report include POTWs with a design flow rate equal to or greater than one million gallons per day, POTWs that serve 10,000 people or more, Class I Sludge Management Facilities (as defined by 40 CFR 503.9 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_19)), and facilities otherwise required to file this report (e.g., permit condition, enforcement action, state law). This is the electronic form for Sewage Sludge (Biosolids) Annual Report filers to use if they are located in one of the states, tribes, or territories (https://www.epa.gov/npdes/npdes-state-program-information) where EPA administers the Federal biosolids program.

For the purposes of this form, the term 'sewage sludge (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_19)' also refers to the material that is commonly referred to as 'biosolids'. EPA does not have a regulatory definition for biosolids but this material is commonly referred to as sewage sludge that is placed on, or applied to the land to use the beneficial properties of the material as a soil amendment, conditioner, or fertilizer. EPA's use of the term 'biosolids' in this form is to confirm that information about beneficially used sewage sludge (a.k.a. biosolids) should be reported on this form.

Please note that EPA may contact you after you submit this report for more information regarding your sewage sludge management program.

Facility Information

Facility Name: LACSD - PALMDALE WRP

Program Information

Please select at least one of the following options pertaining to your obligation to submit a Sewage Sludge (Biosolids) Annual Report in compliance with 40 CFR part 503. The facility is:

- a Class I Sludge Management Facility as defined in 40 CFR 503.9
- a POTW with a design flow rate equal to or greater than one million gallons per day
- a POTW that serves 10,000 people or more

In the reporting period, did you manage your sewage sludge or biosolids using any of the following management practices: land application, surface disposal, or incineration?

☑ YES ☐ NO

If your facility is a POTW, please provide the estimated total amount of sewage sludge produced at your facility for the reporting period (in dry metric tons). If your facility is not a POTW, please provide the estimated total amount of biosolids produced at your facility for the reporting period (in dry metric tons).

1431

Reporting Period Start Date: 01/01/2018 **Reporting Period End Date:** 12/31/2018

Treatment Processes

Processes to Significantly Reduce Pathogens (PSRP):
Anaerobic Digestion
Air Drying (or sludge drying beds)

Processes to Further Reduce Pathogens (PFRP):

Physical Treatment Options:
Preliminary Operations (e.g., sludge grinding, degritting, blending)
Thickening (e.g., gravity and/or flotation thickening, centrifugation, belt filter press, vacuum filter)

Other Processes to Manage Sewage Sludge:
Methane or Biogas Capture and Recovery

Analytical Methods

Did you use any analytical methods to analyze sewage sludge in the reporting period? ☑ YES ☐ NO

Analytical Methods

- EPA Method 6020 - Arsenic (ICP-MS)
- EPA Method 6020 - Cadmium (ICP-MS)
- EPA Method 6020 - Chromium (ICP-MS)
- EPA Method 6020 - Copper (ICP-MS)
- EPA Method 6020 - Lead (ICP-MS)
- EPA Method 7471 - Mercury (CVAA)
- EPA Method 6020 - Molybdenum (ICP-MS)
- EPA Method 6020 - Nickel (ICP-MS)
- EPA Method 6020 - Selenium (ICP-MS)
- EPA Method 6020 - Zinc (ICP-MS)
- Standard Method 4500-NH3 - Ammonia Nitrogen
- Standard Method 4500-Norg - Organic Nitrogen
- Standard Method 2540 - Total Solids
- Standard Method 2540 - Volatile Solids

Other Analytical Methods

- Other Nitrate Nitrogen Analytical Method
  Other Analytical Methods Text Area:

  SM 4500 - NO3

- Other Nitrogen Analytical Method
  Other Analytical Methods Text Area:

  Total Nitrogen Calculation

- Other Total Kjeldahl Nitrogen Analytical Method
  Other Analytical Methods Text Area:

  EPA 351.2

Sludge Management - Land Application

Sludge Management - Surface Disposal

Sludge Management - Incineration

Sludge Management - Other Management Practice

ID: 001

Amount: 86

Management Practice Detail: Other

Other Management Practice Detail Description: Compost

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler: CAL000718

Facility Information:
SYNAGRO SOUTH KERN COMPOST MANUFACTURING
P.O. Box 265
Taft, CA 93268

Contact Information:
Brian Kelleher
Area Director
661-770-6620
bkelleher@synagro.com

Pathogen Class: Class A EQ

Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN

ID: 002

Amount: 1345

Management Practice Detail: Other

Other Management Practice Detail Description: Compost

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler: CAL010500

Facility Information:
NURSERY PRODUCTS HAWES COMPOSTING FACILITY
P.O. Box 1439
Helendale, CA 94342

Contact Information:
Brian Kelleher
Area Director
661-770-6620
bkelleher@synagro.com

Pathogen Class: Class A EQ

Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN

Additional Information

Please enter any additional information that you would like to provide in the comment box below.

Additional Attachments

Name	Created Date	Size
PALM_biosolids_lab_data 2018.pdf	02/12/2019 3:32 PM	88.12 KB

Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Signing an electronic document on behalf of another person is subject to criminal, civil, administrative, or other lawful action.

Certified By: Matthew J. Bao (MATTHEWBAO)

Certified On: 02/14/2019 4:38 PM

2018 BIOSOLIDS MANAGEMENT PROGRAM
Palmdale Water Reclamation Plant
mg/kg Dry Weight (unless otherwise noted)

Sample No.	Date	% TS	As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn
18010300085	1/2/2018	17.9	3.27	1.6	54.2	487	7.27	0.91	12.1	24.3	4.8	2,490
18030700001	3/6/2018	19.9	3.88	1.3	59.1	369	6.17	0.11	12.0	23.7	4.6	1,870
18050200037	5/1/2018	18.3	3.37	1.4	57.6	406	6.02	0.84	12.3	25.0	4.0	2,210
18071000472	7/10/2018	28.8	1.65	1.6	31.9	459	3.30	0.86	5.76	12.2	2.3	2,360
18090400503	9/4/2018	22.3	2.85	1.6	65.3	472	6.76	1.3	12.3	26.1	4.6	2,480
18110700167	11/6/2018	20.1	2.73	1.7	55.4	406	6.84	1.1	11.8	21.6	4.7	2,390
MEAN		**21.2**	**2.96**	**1.5**	**53.9**	**433**	**6.06**	**0.85**	**11.0**	**22.2**	**4.2**	**2,300**
MAX			**3.88**	**1.7**	**65.3**	**487**	**7.27**	**1.3**	**12.3**	**26.1**	**4.8**	**2,490**
TABLE 1 LIMITS		****	**75**	**85**	****	**4,300**	**840**	**57**	**75**	**420**	**100**	**7,500**
TABLE 3 LIMITS		****	**41**	**39**	****	**1,500**	**300**	**17**	****	**420**	**100**	**2,800**

Sample No.	Date	Amm-N	Org-N	NO_3-N	NO_2-N	PO_4	K	TN*	TKN
18010300085	1/2/2018	7,810	57,600	< 11.2	10.9	101,000	1,710	65,400	65,400
18030700001	3/6/2018	7,100	59,600	< 10.1	3.2	91,700	1,840	66,700	66,700
18050200037	5/1/2018	7,050	53,200	< 10.9	5.3	134,000	1,680	60,300	60,200
18071000472	7/10/2018	7,750	45,000	< 7.0	7.5	144,000	593	52,800	52,800
18090400503	9/4/2018	8,280	57,600	12.8	1.5	109,000	1,390	65,900	65,900
18110700167	11/6/2018	5,520	61,400	< 9.95	6.8	97,300	1,510	66,900	67,000
MEAN		**7,250**	**55,700**	**12.8**	**5.9**	**112,800**	**1,454**	**63,000**	**63,000**
MAX		**8,280**	**61,400**	**12.8**	**10.9**	**144,000**	**1,840**	**66,900**	**67,000**

\ = No Limit

Statistics use detected values only.

* = TN calculation uses half the NO_3-N result if the result was non-detect, as shown by "<".

PALMDALE WATER RECLAMATION PLANT

2018 Digester Performance Summary

		HDT (days)	Temperature (degrees F)	VSD (%)			HDT (days)	Temperature (degrees F)	VSD (%)
Jan	Dig 3	140	97	58	Jul	Dig 3	126	97	57
	Dig 4	138	97	67		Dig 4	126	97	62
	Dig 5	137	97	68		Dig 5	126	97	62
	Dig 7	114	97	67		Dig 7	105	97	62
	Avg	**132**	**97**	**65**		**Avg**	**121**	**97**	**61**
Feb	Dig 3	138	97	58	Aug	Dig 3	134	97	56
	Dig 4	139	97	66		Dig 4	135	97	61
	Dig 5	137	97	67		Dig 5	133	97	62
	Dig 7	113	97	66		Dig 7	199	97	62
	Avg	**132**	**97**	**64**		**Avg**	**150**	**97**	**60**
Mar	Dig 3	127	97	64	Sep	Dig 3	143	97	51
	Dig 4	128	97	67		Dig 4	140	97	62
	Dig 5	127	97	69		Dig 5	138	97	63
	Dig 7	103	97	65		Dig 7	113	97	63
	Avg	**121**	**97**	**66**		**Avg**	**133**	**97**	**60**
Apr	Dig 3	134	97	66	Oct	Dig 3	156	97	51
	Dig 4	133	97	67		Dig 4	153	97	59
	Dig 5	132	97	67		Dig 5	124	97	60
	Dig 7	111	97	68		Dig 7	124	97	61
	Avg	**127**	**97**	**67**		**Avg**	**147**	**97**	**58**
May	Dig 3	97	97	52	Nov	Dig 3	154	97	48
	Dig 4	97	97	53		Dig 4	154	97	57
	Dig 5	98	97	53		Dig 5	148	97	56
	Dig 7	82	97	53		Dig 7	124	97	58
	Avg	**94**	**97**	**53**		**Avg**	**145**	**97**	**55**
Jun	Dig 3	104	97	51	Dec	Dig 3	143	97	62
	Dig 4	105	97	59		Dig 4	140	97	67
	Dig 5	104	97	59		Dig 5	137	97	67
	Dig 7	85	97	59		Dig 7	112	97	68
	Avg	**100**	**97**	**57**		**Avg**	**133**	**97**	**66**

HDT = Hydraulic Detention Time

VSD = Volatile Solids Destruction

2018 BIOSOLIDS MANAGEMENT PROGRAM

Palmdale WRP Digester Performance

Month	Temp (°F)	Detention Time * (Days)	VSD (%)
January	97	132	65
February	97	132	64
March	97	121	66
April	97	127	67
May	97	94	53
June	97	100	57
July	97	121	61
August	97	150	60
September	97	133	60
October	97	147	58
November	97	145	55
December	97	133	66
MEAN	**97**	**128**	**61**
MIN	**97**	**94**	**53**

* = As flow decreases HDT will increase

Pomona WRP Influent Monitoring

Pomona Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L						ND				
1,1-Dichloroethylene	ug/L						ND				
1,1,1-Trichloroethane	ug/L						ND				
1,1,2-Trichloroethane	ug/L						ND				
1,1,2,2-Tetrachloroethane	ug/L						ND				
1,2-Dichlorobenzene	ug/L						ND				
1,2-Dichloroethane	ug/L						ND				
1,2-Dichloropropane	ug/L						ND				
1,2-Diphenylhydrazine	ug/L						ND				
1,2-trans-Dichloroethylene	ug/L						ND				
1,2,4-Trichlorobenzene	ug/L						ND				
1,3-Dichlorobenzene	ug/L						ND				
1,3-Dichloropropene	ug/L						ND				
1,4-Dichlorobenzene	ug/L						DNQ Est. Conc. 0.24				
2-Chloroethylvinyl ether	ug/L						ND				
2-Chloronaphthalene	ug/L						ND				
2-Chlorophenol	ug/L						ND				
2-Methyl-4,6-dinitrophenol	ug/L						ND				
2-Nitrophenol	ug/L						ND				
2,3,7,8-TCDD	pg/L						ND				
2,4-Dichlorophenol	ug/L						ND				
2,4-Dimethylphenol	ug/L						ND				
2,4-Dinitrophenol	ug/L						ND				
2,4-Dinitrotoluene	ug/L						ND				
2,4,6-Trichlorophenol	ug/L						ND				
2,6-Dinitrotoluene	ug/L						ND				
3-Methyl-4-chlorophenol	ug/L						ND				
3,3'-Dichlorobenzidine	ug/L						ND				
4-Bromophenyl phenyl ether	ug/L						ND				
4-Chlorophenyl phenyl ether	ug/L						ND				
4-Nitrophenol	ug/L						ND				
4,4-DDD	ug/L						ND				
4,4-DDE	ug/L						ND				
4,4-DDT	ug/L						ND				
Acenaphthene	ug/L						ND				
Acenaphthylene	ug/L						ND				
Acrolein	ug/L						ND				
Acrylonitrile	ug/L						ND				
Aldrin	ug/L						ND				
alpha-BHC	ug/L						ND				
alpha-Endosulfan	ug/L						ND				
Anthracene	ug/L						ND				
Antimony	ug/L						0.98				
Aroclor 1016	ug/L						ND				
Aroclor 1221	ug/L						ND				
Aroclor 1232	ug/L						ND				
Aroclor 1242	ug/L						ND				
Aroclor 1248	ug/L						ND				
Aroclor 1254	ug/L						ND				
Aroclor 1260	ug/L						ND				
Arsenic	ug/L						1.77				
Benzene	ug/L						ND				
Benzidine	ug/L						ND				
Benzo(a)anthracene	ug/L						ND				
Benzo(a)pyrene	ug/L						ND				
Benzo(b)fluoranthene	ug/L						ND				
Benzo(g,h,i)perylene	ug/L						ND				
Benzo(k)fluoranthene	ug/L						ND				
Beryllium	ug/L						ND				
beta-BHC	ug/L						ND				
beta-Endosulfan	ug/L						ND				
Bis(2-chloroethoxy)methane	ug/L						ND				

Pomona Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L		ND	ND	ND	ND	EPA 624	1	0.20	0.50
1,1-Dichloroethylene	ug/L		ND	ND	ND	ND	EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L		ND	ND	ND	ND	EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L		ND	ND	ND	ND	EPA 624	2	0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L		ND	ND	ND	ND	EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L		ND	ND	ND	ND	EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L		ND	ND	ND	ND	EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L		ND	ND	ND	ND	EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L		ND	ND	ND	ND	EPA 625	1	0.20	20.0
1,2-trans-Dichloroethylene	ug/L		ND	ND	ND	ND	EPA 624	1	0.16	0.50
1,2,4-Trichlorobenzene	ug/L		ND	ND	ND	ND	EPA 625	5	0.19	100
1,3-Dichlorobenzene	ug/L		ND	ND	ND	ND	EPA 624	2	0.08	0.50
1,3-Dichloropropene	ug/L		ND	ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L		DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.19	ND	DNQ Est. Conc. 0.24	EPA 624	2	0.16	0.50
2-Chloroethylvinyl ether	ug/L		ND	ND	ND	ND	EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L		ND	ND	ND	ND	EPA 625	10	0.13	200
2-Chlorophenol	ug/L		ND	ND	ND	ND	EPA 625	5	0.18	100
2-Methyl-4,6-dinitrophenol	ug/L		ND	ND	ND	ND	EPA 625	5	0.92	100
2-Nitrophenol	ug/L		ND	ND	ND	ND	EPA 625	10	0.10	200
2,3,7,8-TCDD	pg/L		DNQ Est. Conc. 1.6 (1)	ND	ND	DNQ Est. Conc. 1.6 (1)	EPA 1613B		0.32 - 0.49	11 - 12
2,4-Dichlorophenol	ug/L		ND	ND	ND	ND	EPA 625	5	0.63	100
2,4-Dimethylphenol	ug/L		ND	ND	ND	ND	EPA 625	2	0.88	40.0
2,4-Dinitrophenol	ug/L		ND	ND	ND	ND	EPA 625	5	2.8	100
2,4-Dinitrotoluene	ug/L		ND	ND	ND	ND	EPA 625	5	0.27	100
2,4,6-Trichlorophenol	ug/L		ND	ND	ND	ND	EPA 625	10	0.21	200
2,6-Dinitrotoluene	ug/L		ND	ND	ND	ND	EPA 625	5	0.28	100
3-Methyl-4-chlorophenol	ug/L		ND	ND	ND	ND	EPA 625	1	0.44	20.0
3,3'-Dichlorobenzidine	ug/L		ND	ND	ND	ND	EPA 625	5	0.81	100
4-Bromophenyl phenyl ether	ug/L		ND	ND	ND	ND	EPA 625	5	0.27	100
4-Chlorophenyl phenyl ether	ug/L		ND	ND	ND	ND	EPA 625	5	0.32	100
4-Nitrophenol	ug/L		ND	ND	ND	ND	EPA 625	10	1.3	100 - 200
4,4-DDD	ug/L		ND	ND	ND	ND	EPA 608	0.05	0.001	0.10
4,4-DDE	ug/L		ND	ND	ND	ND	EPA 608	0.05	0.001	0.10
4,4-DDT	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.003	0.10
Acenaphthene	ug/L		ND	ND	ND	ND	EPA 625	1	0.22	20.0
Acenaphthylene	ug/L		ND	ND	ND	ND	EPA 625	10	0.19	200
Acrolein	ug/L		ND	ND	ND	ND	EPA 624		1.3	2.0
Acrylonitrile	ug/L		ND	ND	ND	ND	EPA 624		0.20	2.0
Aldrin	ug/L		ND	ND	ND	ND	EPA 608	0.005	0.0009	0.05
alpha-BHC	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.002	0.10
alpha-Endosulfan	ug/L		ND	ND	ND	ND	EPA 608	0.02	0.001	0.10
Anthracene	ug/L		ND	ND	ND	ND	EPA 625	10	0.19	200
Antimony	ug/L		1.29	0.98	1.1	1.29	EPA 200.8	0.5	0.07 - 0.32	0.50
Aroclor 1016	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.02	1.0
Aroclor 1221	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.2	5.0
Aroclor 1232	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.09	3.0
Aroclor 1242	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.02	1.0
Aroclor 1248	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.02	1.0
Aroclor 1254	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.01	0.5
Aroclor 1260	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.01	1.0
Arsenic	ug/L		1.65	1.65	1.71	1.77	EPA 200.8	2	0.06 - 0.14	1.00
Benzene	ug/L		ND	ND	ND	ND	EPA 624	2	0.15	0.50
Benzidine	ug/L		ND	ND	ND	ND	EPA 625	5	1.8	100
Benzo(a)anthracene	ug/L		ND	ND	ND	ND	EPA 625	5	0.14	100
Benzo(a)pyrene	ug/L		ND	ND	ND	ND	EPA 625	10	0.19	200
Benzo(b)fluoranthene	ug/L		ND	ND	ND	ND	EPA 625	10	0.22	200
Benzo(g,h,i)perylene	ug/L		ND	ND	ND	ND	EPA 625	5	0.12	100
Benzo(k)fluoranthene	ug/L		ND	ND	ND	ND	EPA 625	10	0.19	200
Beryllium	ug/L		ND	ND	ND	ND	EPA 200.8	0.5	0.020 - 0.030	0.25
beta-BHC	ug/L		ND	ND	ND	ND	EPA 608	0.005	0.002	0.05
beta-Endosulfan	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.001	0.10
Bis(2-chloroethoxy)methane	ug/L		ND	ND	ND	ND	EPA 625	5	0.11	100

Pomona Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
bis(2-Chloroethyl) ether	ug/L						ND				
bis(2-Chloroisopropyl) ether	ug/L						ND				
bis(2-Ethylhexyl) phthalate	ug/L						DNQ Est. Conc. 8.4				
BOD	mg/L	344	367	344	335	327	353	308	351	429	395
Bromodichloromethane	ug/L						DNQ Est. Conc. 0.48				
Bromoform	ug/L						DNQ Est. Conc. 0.36				
Butyl benzyl phthalate	ug/L						ND				
Cadmium	ug/L						0.39				
Carbon tetrachloride	ug/L						ND				
Chlorobenzene	ug/L						ND				
Chloroethane	ug/L						ND				
Chloroform	ug/L						3.8				
Chromium III	ug/L						4.48				
Chromium VI	ug/L						0.10				
Chrysene	ug/L						ND				
Copper	ug/L						70.4				
Cyanide	ug/L						DNQ Est. Conc. 1.17				
delta-BHC	ug/L						ND				
Di-n-butyl phthalate	ug/L						ND				
Di-n-octyl phthalate	ug/L						ND				
Dibenzo(a,h)anthracene	ug/L						ND				
Dibromochloromethane	ug/L						0.55				
Dieldrin	ug/L						ND				
Diethyl phthalate	ug/L						DNQ Est. Conc. 7.5				
Dimethyl phthalate	ug/L						ND				
Endosulfan sulfate	ug/L						ND				
Endrin aldehyde	ug/L						ND				
Endrin	ug/L						ND				
Ethylbenzene	ug/L						ND				
Fluoranthene	ug/L						ND				
Fluorene	ug/L						ND				
gamma-BHC	ug/L						ND				
Heptachlor epoxide	ug/L						ND				
Heptachlor	ug/L						ND				
Hexachlorobenzene	ug/L						ND				
Hexachlorobutadiene	ug/L						ND				
Hexachlorocyclopentadiene	ug/L						ND				
Hexachloroethane	ug/L						ND				
Indeno (1,2,3-cd) pyrene	ug/L						ND				
Isophorone	ug/L						ND				
Lead	mg/L	0.00228	0.00273	0.00151	0.00176	0.00838	0.00410	0.00083	0.0150	0.00110	0.00178
Mercury	ug/L						0.12				
Methyl bromide (Bromomethane)	ug/L						ND				
Methyl chloride (Chloromethane)	ug/L						ND				
Methylene chloride	ug/L						1.0				
N-Nitrosodi-n-propylamine	ug/L						ND				
n-Nitrosodimethylamine (NDMA)	ug/L						ND				
n-Nitrosodiphenylamine	ug/L						ND				
Naphthalene	ug/L						ND				
Nickel	ug/L						4.14				
Nitrobenzene	ug/L						ND				
PCB-129/138/163	pg/L						DNQ Est. Conc. 500 (2)				
PCB-61/70/74/76	pg/L						DNQ Est. Conc. 480 (2)				
PCB-90/101/113	pg/L						DNQ Est. Conc. 440 (2)				
PCB-105	pg/L						160				
PCB-110	pg/L						283				
PCB-114	pg/L						DNQ Est. Conc. 11				
PCB-118	pg/L						390 (2)				
PCB-123	pg/L						DNQ Est. Conc. 6.4				
PCB-126	pg/L						ND				
PCB-158	pg/L						DNQ Est. Conc. 44				
PCB-167	pg/L						20				

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
bis(2-Chloroethyl) ether	ug/L		ND	ND	ND	ND	EPA 625	1	0.20	20.0
bis(2-Chloroisopropyl) ether	ug/L		ND	ND	ND	ND	EPA 625	2	0.20	40.0
bis(2-Ethylhexyl) phthalate	ug/L		ND	ND	ND	DNQ Est. Conc. 8.4	EPA 625	5	0.16	40.0
BOD	mg/L	342	467	308	364	467	SM 5210B		0.6	120 - 200
Bromodichloromethane	ug/L		DNQ Est. Conc. 0.45	DNQ Est. Conc. 0.45	ND	DNQ Est. Conc. 0.48	EPA 624	2	0.17	0.50
Bromoform	ug/L		0.54	DNQ Est. Conc. 0.36	0.27	0.54	EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L		ND	ND	ND	ND	EPA 625	10	0.12	200
Cadmium	ug/L		0.29	0.29	0.34	0.39	EPA 200.8	0.25	0.010 - 0.031	0.20
Carbon tetrachloride	ug/L		ND	ND	ND	ND	EPA 624	2	0.28	0.50
Chlorobenzene	ug/L		ND	ND	ND	ND	EPA 624	2	0.11	0.50
Chloroethane	ug/L		ND	ND	ND	ND	EPA 624	2	0.18	0.50
Chloroform	ug/L		3.2	3.2	3.5	3.8	EPA 624	2	0.18	0.50
Chromium III	ug/L		3.56	3.56	4.02	4.48	EPA 200.8			0.50
Chromium VI	ug/L		0.24	0.10	0.17	0.24	EPA 218.6 (Dissolved)		0.01 - 0.02	0.05
Chrysene	ug/L		ND	ND	ND	ND	EPA 625	10	0.16	200
Copper	ug/L		64.8	64.8	67.6	70.4	EPA 200.8	0.5	0.05 - 0.11	0.50
Cyanide	ug/L		ND	ND	ND	DNQ Est. Conc. 1.17	SM 4500 CN E	5	1.00	5.00
delta-BHC	ug/L		ND	ND	ND	ND	EPA 608	0.005	0.004	0.05
Di-n-butyl phthalate	ug/L		ND	ND	ND	ND	EPA 625	10	0.12	200
Di-n-octyl phthalate	ug/L		ND	ND	ND	ND	EPA 625	10	0.11	200
Dibenzo(a,h)anthracene	ug/L		ND	ND	ND	ND	EPA 625	10	0.13	200
Dibromochloromethane	ug/L		0.70	0.55	0.62	0.70	EPA 624	2	0.14	0.50
Dieldrin	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.001	0.10
Diethyl phthalate	ug/L		DNQ Est. Conc. 6.3	DNQ Est. Conc. 6.3	ND	DNQ Est. Conc. 7.5	EPA 625	2	0.26	40.0
Dimethyl phthalate	ug/L		ND	ND	ND	ND	EPA 625	2	0.28	40.0
Endosulfan sulfate	ug/L		ND	ND	ND	ND	EPA 608	0.05	0.009	0.10
Endrin aldehyde	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.002	0.10
Endrin	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.001	0.10
Ethylbenzene	ug/L		ND	ND	ND	ND	EPA 624	2	0.18	0.50
Fluoranthene	ug/L		ND	ND	ND	ND	EPA 625	1	0.24	20.0
Fluorene	ug/L		ND	ND	ND	ND	EPA 625	10	0.35	200
gamma-BHC	ug/L		ND	ND	ND	ND	EPA 608	0.02	0.0009	0.10
Heptachlor epoxide	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.001	0.10
Heptachlor	ug/L		ND	ND	ND	ND	EPA 608	0.01	0.0008	0.10
Hexachlorobenzene	ug/L		ND	ND	ND	ND	EPA 625	1	0.17	20.0
Hexachlorobutadiene	ug/L		ND	ND	ND	ND	EPA 625	1	0.33	20.0
Hexachlorocyclopentadiene	ug/L		ND	ND	ND	ND	EPA 625	5	0.53	100
Hexachloroethane	ug/L		ND	ND	ND	ND	EPA 625	1	0.13	20.0
Indeno (1,2,3-cd) pyrene	ug/L		ND	ND	ND	ND	EPA 625	10	0.12	200
Isophorone	ug/L		ND	ND	ND	ND	EPA 625	1	0.11	20.0
Lead	mg/L	0.00186	0.00264	0.00083	0.0037	0.0150	EPA 200.8	0.0005	0.00001	0.00025
Mercury	ug/L		0.092	0.092	0.11	0.12	EPA 245.1	0.5	0.017	0.050
Methyl bromide (Bromomethane)	ug/L		ND	ND	ND	ND	EPA 624	2	0.33	0.50
Methyl chloride (Chloromethane)	ug/L		ND	ND	ND	ND	EPA 624	2	0.19	0.50
Methylene chloride	ug/L		DNQ Est. Conc. 0.26	DNQ Est. Conc. 0.26	0.50	1.0	EPA 624	2	0.18	0.50
N-Nitrosodi-n-propylamine	ug/L		ND	ND	ND	ND	EPA 1625 (Modified), EPA 625	5	0.0006 - 0.50	0.020 - 100
n-Nitrosodimethylamine (NDMA)	ug/L		ND	ND	ND	ND	EPA 1625 (Modified), EPA 625	5	0.0005 - 0.34	0.020 - 100
n-Nitrosodiphenylamine	ug/L		ND	ND	ND	ND	EPA 625	1	0.28	20.0
Naphthalene	ug/L		ND	ND	ND	ND	EPA 625	1	0.13	20.0
Nickel	ug/L		3.55	3.55	3.84	4.14	EPA 200.8	1	0.07 - 0.12	1.00
Nitrobenzene	ug/L		ND	ND	ND	ND	EPA 625	1	0.17	20.0
PCB-129/138/163	pg/L			DNQ Est. Conc. 500 (2)	ND	DNQ Est. Conc. 500 (2)	EPA 1668		4.7	610
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 480 (2)	ND	DNQ Est. Conc. 480 (2)	EPA 1668		3.8	820
PCB-90/101/113	pg/L			DNQ Est. Conc. 440 (2)	ND	DNQ Est. Conc. 440 (2)	EPA 1668		4.4	610
PCB-105	pg/L			160	160	160	EPA 1668		4.5	20
PCB-110	pg/L			283	283	283	EPA 1668		0.8	6.3
PCB-114	pg/L			DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11	EPA 1668		4.1	20
PCB-118	pg/L			390 (2)	390 (2)	390 (2)	EPA 1668		4.1	20
PCB-123	pg/L			DNQ Est. Conc. 6.4	ND	DNQ Est. Conc. 6.4	EPA 1668		4.2	20
PCB-126	pg/L			ND	ND	ND	EPA 1668		5.1	20
PCB-158	pg/L			DNQ Est. Conc. 44	ND	DNQ Est. Conc. 44	EPA 1668		2.9	200
PCB-167	pg/L			20	20	20	EPA 1668		3.6	20

Pomona Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
PCB-169	pg/L						ND				
PCB-170	pg/L						DNQ Est. Conc. 79				
PCB-183	pg/L						DNQ Est. Conc. 58 (2)				
PCB-187	pg/L						DNQ Est. Conc. 100				
PCB-189	pg/L						DNQ Est. Conc. 6.4				
PCB-194	pg/L						DNQ Est. Conc. 60				
PCB-201	pg/L						DNQ Est. Conc. 9.3				
PCB-206	pg/L						DNQ Est. Conc. 53				
PCB-37	pg/L						DNQ Est. Conc. 94				
PCB-52	pg/L						470 (2)				
PCB-66	pg/L						230				
PCB-77	pg/L						DNQ Est. Conc. 18				
PCB-81	pg/L						ND				
PCB-99	pg/L						DNQ Est. Conc. 150				
PCB-128/166	pg/L						DNQ Est. Conc. 47				
PCB-135/151	pg/L						DNQ Est. Conc. 110 (2)				
PCB-147/149	pg/L						DNQ Est. Conc. 240 (2)				
PCB-153/168	pg/L						DNQ Est. Conc. 320 (2)				
PCB-156/157	pg/L						66				
PCB-18/30	pg/L						DNQ Est. Conc. 190				
PCB-180/193	pg/L						DNQ Est. Conc. 220 (2)				
PCB-20/28	pg/L						DNQ Est. Conc. 380				
PCB-44/47/65	pg/L						DNQ Est. Conc. 500 (2)				
PCB-49/69	pg/L						DNQ Est. Conc. 140				
PCB-86/87/97/108/119	pg/L						DNQ Est. Conc. 290				
Pentachlorophenol	ug/L						ND				
Phenanthrene	ug/L						ND				
Phenol	ug/L						24.7				
pH	SU	7.6	7.8	7.7	7.6	7.7	7.7	7.6	7.5	7.7	7.9
Pyrene	ug/L						ND				
Selenium	mg/L	DNQ Est. Conc. 0.00080	0.00105	DNQ Est. Conc. 0.00094	DNQ Est. Conc. 0.00085	0.00104	0.00114	DNQ Est. Conc. 0.00070	0.00109	DNQ Est. Conc. 0.00076	DNQ Est. Conc. 0.00079
Silver	ug/L						0.45				
Technical chlordane	ug/L						ND				
Tetrachloroethylene	ug/L						ND				
Thallium	ug/L						ND				
Toluene	ug/L						0.57				
Total chromium	ug/L						4.58				
Total Suspended Solids	mg/L	338	388	370	332	309	346	332	503	727	478
Toxaphene	ug/L						ND				
Trichloroethylene	ug/L						ND				
Vinyl chloride	ug/L						ND				
Zinc	ug/L						218				

Pomona Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
PCB-169	pg/L			ND	ND	ND	EPA 1668		4.0	20
PCB-170	pg/L			DNQ Est. Conc. 79	ND	DNQ Est. Conc. 79	EPA 1668		1.7	200
PCB-183	pg/L			DNQ Est. Conc. 58 (2)	ND	DNQ Est. Conc. 58 (2)	EPA 1668		1.4	200
PCB-187	pg/L			DNQ Est. Conc. 100	ND	DNQ Est. Conc. 100	EPA 1668		0.95	200
PCB-189	pg/L			DNQ Est. Conc. 6.4	ND	DNQ Est. Conc. 6.4	EPA 1668		1.1	20
PCB-194	pg/L			DNQ Est. Conc. 60	ND	DNQ Est. Conc. 60	EPA 1668		1.5	200
PCB-201	pg/L			DNQ Est. Conc. 9.3	ND	DNQ Est. Conc. 9.3	EPA 1668		0.87	200
PCB-206	pg/L			DNQ Est. Conc. 53	ND	DNQ Est. Conc. 53	EPA 1668		3.9	200
PCB-37	pg/L			DNQ Est. Conc. 94	ND	DNQ Est. Conc. 94	EPA 1668		6.7	200
PCB-52	pg/L			470 (2)	470 (2)	470 (2)	EPA 1668		6.5	200
PCB-66	pg/L			230	230	230	EPA 1668		4.1	200
PCB-77	pg/L			DNQ Est. Conc. 18	ND	DNQ Est. Conc. 18	EPA 1668		4.2	20
PCB-81	pg/L			ND	ND	ND	EPA 1668		4.1	20
PCB-99	pg/L			DNQ Est. Conc. 150	ND	DNQ Est. Conc. 150	EPA 1668		4.6	200
PCB-128/166	pg/L			DNQ Est. Conc. 47	ND	DNQ Est. Conc. 47	EPA 1668		3.5	410
PCB-135/151	pg/L			DNQ Est. Conc. 110 (2)	ND	DNQ Est. Conc. 110 (2)	EPA 1668		4.1	410
PCB-147/149	pg/L			DNQ Est. Conc. 240 (2)	ND	DNQ Est. Conc. 240 (2)	EPA 1668		3.9	410
PCB-153/168	pg/L			DNQ Est. Conc. 320 (2)	ND	DNQ Est. Conc. 320 (2)	EPA 1668		3.2	410
PCB-156/157	pg/L			66	66	66	EPA 1668		5.1	41
PCB-18/30	pg/L			DNQ Est. Conc. 190	ND	DNQ Est. Conc. 190	EPA 1668		3.6	410
PCB-180/193	pg/L			DNQ Est. Conc. 220 (2)	ND	DNQ Est. Conc. 220 (2)	EPA 1668		1.3	410
PCB-20/28	pg/L			DNQ Est. Conc. 380	ND	DNQ Est. Conc. 380	EPA 1668		6.1	410
PCB-44/47/65	pg/L			DNQ Est. Conc. 500 (2)	ND	DNQ Est. Conc. 500 (2)	EPA 1668		5.8	610
PCB-49/69	pg/L			DNQ Est. Conc. 140	ND	DNQ Est. Conc. 140	EPA 1668		5.1	410
PCB-86/87/97/108/119	pg/L			DNQ Est. Conc. 290	ND	DNQ Est. Conc. 290	EPA 1668		4.4	1200
Pentachlorophenol	ug/L		ND	ND	ND	ND	EPA 625	5	0.62	20.0
Phenanthrene	ug/L		ND	ND	ND	ND	EPA 625	5	0.31	100
Phenol	ug/L		23.1	23.1	23.9	24.7	EPA 625	1	0.12	20.0
pH	SU	7.8	7.6	7.5	7.7	7.9	SM 4500 H+ B		1.00	1.00 - 4.00
Pyrene	ug/L		ND	ND	ND	ND	EPA 625	10	0.28	200
Selenium	mg/L	0.00100	0.00135	DNQ Est. Conc. 0.00070	0.00056	0.00135	EPA 200.8	0.002	0.00002 - 0.00004	0.00100
Silver	ug/L		0.79	0.45	0.62	0.79	EPA 200.8	0.25	0.02	0.20
Technical chlordane	ug/L		ND	ND	ND	ND	EPA 608	0.1	0.01	0.50
Tetrachloroethylene	ug/L		ND	ND	ND	ND	EPA 624	2	0.18	0.50
Thallium	ug/L		ND	ND	ND	ND	EPA 200.8	1	0.010 - 0.015	0.25
Toluene	ug/L		DNQ Est. Conc. 0.27	DNQ Est. Conc. 0.27	0.29	0.57	EPA 624	2	0.19	0.50
Total chromium	ug/L		3.80	3.80	4.19	4.58	EPA 200.8	0.5	0.10 - 0.11	0.50
Total Suspended Solids	mg/L	311	559	309	416	727	SM 2540D		2.5	50.0 - 125
Toxaphene	ug/L		ND	ND	ND	ND	EPA 608	0.5	0.08	5.0
Trichloroethylene	ug/L		ND	ND	ND	ND	EPA 624	2	0.28	0.50
Vinyl chloride	ug/L		ND	ND	ND	ND	EPA 624	2	0.26	0.50
Zinc	ug/L		181	181	200	218	EPA 200.8	1	0.60 - 0.70	1.00 - 2.00

(1) Possible interference observed. The measured ion ratio did not meet qualitative criteria for analysis and results are considered to be an estimated maximum possible concentration.
(2) Blank contamination observed.

Pomona WRP Effluent Monitoring

Pomona Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L		ND		ND		ND		ND		ND
1,1-Dichloroethylene	ug/L		ND		ND		ND		ND		ND
1,1,1-Trichloroethane	ug/L		ND		ND		ND		ND		ND
1,1,2-Trichloroethane	ug/L		ND		ND		ND		ND		ND
1,1,2,2-Tetrachloroethane	ug/L		ND		ND		ND		ND		ND
1,2-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,2-Dichloroethane	ug/L		ND		ND		ND		ND		ND
1,2-Dichloropropane	ug/L		ND		ND		ND		ND		ND
1,2-Diphenylhydrazine	ug/L						ND				
1,2-trans-Dichloroethylene	ug/L		ND		ND		ND		ND		ND
1,2,3-Trichloropropane	ug/L						ND				
1,2,3,4,6,7,8-HeptaCDD	pg/L						ND (1)				
1,2,3,4,6,7,8-HeptaCDF	pg/L						ND (1)				
1,2,3,4,7,8-HexaCDD	pg/L						ND (1)				
1,2,3,4,7,8-HexaCDF	pg/L						ND				
1,2,3,4,7,8,9-HeptaCDF	pg/L						ND				
1,2,3,6,7,8-HexaCDD	pg/L						ND				
1,2,3,6,7,8-HexaCDF	pg/L						ND				
1,2,3,7,8-PentaCDD	pg/L						ND				
1,2,3,7,8-PentaCDF	pg/L						ND				
1,2,3,7,8,9-HexaCDD	pg/L						ND (1)				
1,2,3,7,8,9-HexaCDF	pg/L						ND				
1,2,4-Trichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,3-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,3-Dichloropropene	ug/L		ND		ND		ND		ND		ND
1,4-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,4-Dioxane	ug/L						1.5				
2-Chloroethylvinyl ether	ug/L		ND		ND		ND		ND		ND
2-Chloronaphthalene	ug/L						ND				
2-Chlorophenol	ug/L						ND				
2-Methyl-4,6-dinitrophenol	ug/L						ND				
2-Nitrophenol	ug/L						ND				
2,3,4,6,7,8-HexaCDF	pg/L						ND				
2,3,4,7,8-PentaCDF	pg/L						ND				
2,3,7,8-TCDD	pg/L		ND				ND		ND		
2,3,7,8-TetraCDF	pg/L						ND				
2,4-Dichlorophenol	ug/L						ND				
2,4-Dimethylphenol	ug/L						ND				
2,4-Dinitrophenol	ug/L						ND				
2,4-Dinitrotoluene	ug/L						ND				
2,4,6-Trichlorophenol	ug/L		ND		ND		ND		ND		ND
2,6-Dinitrotoluene	ug/L						ND				
3-Methyl-4-chlorophenol	ug/L						ND				
3,3'-Dichlorobenzidine	ug/L						ND				
4-Bromophenyl phenyl ether	ug/L						ND				
4-Chlorophenyl phenyl ether	ug/L						ND				
4-Nitrophenol	ug/L						ND				
4,4-DDD	ug/L		ND		ND		ND		ND		ND
4,4-DDE	ug/L		ND		ND		ND		ND		ND
4,4-DDT	ug/L		ND		ND		ND		ND		ND
Acenaphthene	ug/L						ND				
Acenaphthylene	ug/L						ND				
Acrolein	ug/L						ND				
Acrylonitrile	ug/L						ND				
Aldrin	ug/L		ND		ND		ND		ND		ND
alpha-BHC	ug/L		ND		ND		ND		ND		ND
alpha-Endosulfan	ug/L						ND				
Ammonia nitrogen	mg/L	3.20	3.88	1.97	1.67	2.28	1.32	1.58	1.67	2.69	2.02
Anthracene	ug/L						ND				
Antimony	ug/L		DNQ Est. Conc. 0.45				0.51		DNQ Est. Conc. 0.48		
Aroclor 1016	ug/L		ND		ND		ND		ND		ND
Aroclor 1221	ug/L		ND		ND		ND		ND		ND
Aroclor 1232	ug/L		ND		ND		ND		ND		ND
Aroclor 1242	ug/L		ND		ND		ND		ND		ND
Aroclor 1248	ug/L		ND		ND		ND		ND		ND
Aroclor 1254	ug/L		ND		ND		ND		ND		ND
Aroclor 1260	ug/L		ND		ND		ND		ND		ND
Arsenic	ug/L		DNQ Est. Conc. 0.84				DNQ Est. Conc. 0.88		DNQ Est. Conc. 0.86		
Benzene	ug/L		ND		ND		ND		ND		ND

Pomona Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L		ND	ND	ND	ND			EPA 624	1	0.07 - 0.22	0.50
1,1-Dichloroethylene	ug/L		ND	ND	ND	ND			EPA 624	2	0.13 - 0.43	0.50
1,1,1-Trichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.07 - 0.21	0.50
1,1,2-Trichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.09 - 0.24	0.50
1,1,2,2-Tetrachloroethane	ug/L		ND	ND	ND	ND			EPA 624	1	0.10 - 0.13	0.50
1,2-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.07 - 0.18	0.50
1,2-Dichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.11 - 0.22	0.50
1,2-Dichloropropane	ug/L		ND	ND	ND	ND			EPA 624	1	0.09 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L		ND	ND	ND	ND			EPA 625	1	0.20	1.0
1,2-trans-Dichloroethylene	ug/L		ND	ND	ND	ND			EPA 624	1	0.09 - 0.45	0.50
1,2,3-Trichloropropane	ug/L			ND	ND	ND			EPA 524.2 (TCP)		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L		ND (1)	ND (1)	ND	ND (1)			EPA 1613B		0.22 - 0.31	51 - 54
1,2,3,4,6,7,8-HeptaCDF	pg/L		ND (1)(2)	ND (1)(2)	ND	ND (1)(2)			EPA 1613B		0.18 - 0.63	51 - 54
1,2,3,4,7,8-HexaCDD	pg/L		ND (1)	ND (1)	ND	ND (1)			EPA 1613B		0.24 - 0.68	51 - 54
1,2,3,4,7,8-HexaCDF	pg/L		DNQ Est. Conc. 0.48	ND	ND	DNQ Est. Conc. 0.48			EPA 1613B		0.22 - 0.41	51 - 54
1,2,3,4,7,8,9-HeptaCDF	pg/L		DNQ Est. Conc. 0.49	ND	ND	DNQ Est. Conc. 0.49			EPA 1613B		0.23 - 0.74	51 - 54
1,2,3,6,7,8-HexaCDD	pg/L		ND (1)(2)	ND (1)(2)	ND	ND (1)(2)			EPA 1613B		0.24 - 0.66	51 - 54
1,2,3,6,7,8-HexaCDF	pg/L		ND	ND	ND	ND			EPA 1613B		0.18 - 0.36	51 - 54
1,2,3,7,8-PentaCDD	pg/L		ND	ND	ND	ND			EPA 1613B		0.31 - 1.1	51 - 54
1,2,3,7,8-PentaCDF	pg/L		ND	ND	ND	ND			EPA 1613B		0.23 - 0.65	51 - 54
1,2,3,7,8,9-HexaCDD	pg/L		ND	ND (1)	ND	ND (1)			EPA 1613B		0.23 - 0.59	51 - 54
1,2,3,7,8,9-HexaCDF	pg/L		DNQ Est. Conc. 0.93	ND	ND	DNQ Est. Conc. 0.93			EPA 1613B		0.12 - 0.26	51 - 54
1,2,4-Trichlorobenzene	ug/L		ND	ND	ND	ND			EPA 625	5	0.19	5.0
1,3-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.08 - 0.21	0.50
1,3-Dichloropropene	ug/L		ND	ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.07 - 0.18	0.50
1,4-Dioxane	ug/L			1.5	1.5	1.5			SW-846 8270MOD 1,4-Dioxane		0.13	0.40
2-Chloroethylvinyl ether	ug/L		ND	ND	ND	ND			EPA 624	1	0.12 - 0.29	0.50
2-Chloronaphthalene	ug/L		ND	ND	ND	ND			EPA 625	10	0.13	10.0
2-Chlorophenol	ug/L		ND	ND	ND	ND			EPA 625	5	0.18	5.0
2-Methyl-4,6-dinitrophenol	ug/L		ND	ND	ND	ND			EPA 625	5	0.92	5.0
2-Nitrophenol	ug/L		ND	ND	ND	ND			EPA 625	10	0.10	10.0
2,3,4,6,7,8-HexaCDF	pg/L		ND (1)	ND (1)	ND	ND (1)			EPA 1613B		0.13 - 0.30	51 - 54
2,3,4,7,8-PentaCDF	pg/L		ND	ND	ND	ND			EPA 1613B		0.27 - 0.74	51 - 54
2,3,7,8-TCDD	pg/L		ND	ND	ND	ND			EPA 1613B		0.17 - 0.49	10 - 11
2,3,7,8-TetraCDF	pg/L		ND (1)(2)	ND (1)(2)	ND	ND (1)(2)			EPA 1613B		0.19 - 0.37	10 - 11
2,4-Dichlorophenol	ug/L		ND	ND	ND	ND			EPA 625	5	0.63	5.0
2,4-Dimethylphenol	ug/L		ND	ND	ND	ND			EPA 625	2	0.88	2.0
2,4-Dinitrophenol	ug/L		ND	ND	ND	ND			EPA 625	5	2.8	5.0
2,4-Dinitrotoluene	ug/L		ND	ND	ND	ND			EPA 625	5	0.27	5.0
2,4,6-Trichlorophenol	ug/L		ND	ND	ND	ND			EPA 625	10	0.21	10.0
2,6-Dinitrotoluene	ug/L		ND	ND	ND	ND			EPA 625	5	0.28	5.0
3-Methyl-4-chlorophenol	ug/L		ND	ND	ND	ND			EPA 625	1	0.44	1.0
3,3'-Dichlorobenzidine	ug/L		ND	ND	ND	ND			EPA 625	5	0.81	5.0
4-Bromophenyl phenyl ether	ug/L		ND	ND	ND	ND			EPA 625	5	0.27	5.0
4-Chlorophenyl phenyl ether	ug/L		ND	ND	ND	ND			EPA 625	5	0.32	5.0
4-Nitrophenol	ug/L		ND	ND	ND	ND			EPA 625	10	1.3	5.0 - 10.0
4,4-DDD	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4-DDE	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4-DDT	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L		ND	ND	ND	ND			EPA 625	1	0.22	1.0
Acenaphthylene	ug/L		ND	ND	ND	ND			EPA 625	10	0.19	10.0
Acrolein	ug/L		ND	ND	ND	ND			EPA 624		1.3	2.0
Acrylonitrile	ug/L		ND	ND	ND	ND			EPA 624		0.20	2.0
Aldrin	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
alpha-Endosulfan	ug/L		ND	ND	ND	ND			EPA 608	0.02	0.001	0.01
Ammonia nitrogen	mg/L	3.04	2.66	1.32	2.33	3.88	8.4	4.1	SM 4500 NH3 G		0.020	0.100 - 1.00
Anthracene	ug/L		ND	ND	ND	ND			EPA 625	10	0.19	10.0
Antimony	ug/L		0.55	DNQ Est. Conc. 0.45	0.26	0.55			EPA 200.8	0.5	0.07 - 0.32	0.50
Aroclor 1016	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1221	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.09 - 0.2	0.3
Aroclor 1242	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.08	0.1
Aroclor 1248	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1254	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.01 - 0.03	0.05
Aroclor 1260	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.01 - 0.05	0.1
Arsenic	ug/L		DNQ Est. Conc. 0.81	DNQ Est. Conc. 0.81	ND	DNQ Est. Conc. 0.88			EPA 200.8	2	0.06 - 0.14	1.00
Benzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.10 - 0.15	0.50

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Benzidine	ug/L						ND				
Benzo(a)anthracene	ug/L						ND				
Benzo(a)pyrene	ug/L		ND				ND		ND		
Benzo(b)fluoranthene	ug/L						ND				
Benzo(g,h,i)perylene	ug/L						ND				
Benzo(k)fluoranthene	ug/L						ND				
Beryllium	ug/L		ND				ND		ND		
beta-BHC	ug/L		ND		ND		ND		ND		ND
beta-Endosulfan	ug/L						ND				
Bis(2-chloroethoxy)methane	ug/L						ND				
bis(2-Chloroethyl) ether	ug/L						ND				
bis(2-Chloroisopropyl) ether	ug/L						ND				
bis(2-Ethylhexyl) phthalate	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BOD	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.25	0.27	0.27	0.26	0.26	0.28	0.28	0.32	0.31	0.27
Bromodichloromethane	ug/L	5.5	11.0	17.4	10.7	16.2	18.9	20.6	13.8	4.9	13.2
Bromoform	ug/L	ND	DNQ Est. Conc. 0.28	0.54	DNQ Est. Conc. 0.25	16.7	DNQ Est. Conc. 0.41	DNQ Est. Conc. 0.42	DNQ Est. Conc. 0.35	DNQ Est. Conc. 0.19	ND
Butyl benzyl phthalate	ug/L						ND				
Cadmium	ug/L		DNQ Est. Conc. 0.070				ND		DNQ Est. Conc. 0.060		
Carbon tetrachloride	ug/L		ND		ND		ND		ND		ND
Chloride	mg/L	126	136	142	136	141	143	139	153	146	155
Chlorobenzene	ug/L		ND		ND		ND		ND		ND
Chloroethane	ug/L		ND		ND		ND		ND		ND
Chloroform	ug/L	15.0	22.2	28.8	25.4	5.4	44.7	49.1	29.0	14.5	54.8
Chlorpyrifos	ug/L						ND				
Chromium III	ug/L						1.17				
Chromium VI	ug/L		DNQ Est. Conc. 0.09				0.10		0.11		
Chrysene	ug/L						ND				
Copper	ug/L		5.51				5.76		4.89		
Cyanide	ug/L		DNQ Est. Conc. 2.0				DNQ Est. Conc. 2.6		DNQ Est. Conc. 2.5		
delta-BHC	ug/L		ND		ND		ND		ND		ND
Di-n-butyl phthalate	ug/L						ND				
Di-n-octyl phthalate	ug/L						ND				
Diazinon	ug/L						ND				
Dibenzo(a,h)anthracene	ug/L						ND				
Dibromochloromethane	ug/L	0.90	2.1	4.5	2.2	27.6	3.7	4.0	3.0	0.91	2.3
Dieldrin	ug/L		ND		ND		ND		DNQ Est. Conc. 0.009		ND
Diethyl phthalate	ug/L						DNQ Est. Conc. 0.43				
Dimethyl phthalate	ug/L						ND				
Dissolved oxygen	mg/L	6.9	7.2	6.6	6.1	5.0	5.4	5.5	6.0	3.9	4.8
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	ug/L						ND				
Endrin aldehyde	ug/L						ND				
Endrin	ug/L		ND		ND		ND		ND		ND
Ethylbenzene	ug/L		ND		ND		ND		ND		ND
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L		ND		ND		ND		ND		ND
Fluorene	ug/L						ND				
Fluoride	mg/L		0.272		0.278		0.279		0.302		0.278
gamma-BHC	ug/L		ND		ND		ND		ND		ND
Gross alpha radioactivity	pCi/L		ND				2.94		ND		
Gross beta radioactivity	pCi/L		21.8				8.32		9.97		
Heptachlor epoxide	ug/L		ND		ND		ND		ND		ND
Heptachlor	ug/L		ND		ND		ND		ND		ND
Hexachlorobenzene	ug/L		ND				ND		ND		
Hexachlorobutadiene	ug/L						ND				
Hexachlorocyclopentadiene	ug/L		ND				ND		ND		
Hexachloroethane	ug/L						ND				
Indeno (1,2,3-cd) pyrene	ug/L						ND				
Iron	ug/L		62.0				48.2		32.2		
Isophorone	ug/L						ND				
Lead	ug/L	0.26	0.42	0.36	0.36	0.43	0.35	0.37	0.29	0.35	0.33
Mercury	ug/L		0.0036				0.0027		0.0025		
Methyl bromide (Bromomethane)	ug/L		ND		ND		ND		ND		ND
Methyl chloride (Chloromethane)	ug/L		ND		ND		ND		DNQ Est. Conc. 0.25		ND
Methyl tert-butyl ether	ug/L		ND				ND		ND		
Methylene chloride	ug/L		ND		DNQ Est. Conc. 0.21		DNQ Est. Conc. 0.25		ND		ND
N-Nitrosodi-n-propylamine	ug/L						ND				
n-Nitrosodimethylamine (NDMA)	ug/L	0.10	0.21	0.17	0.12	0.27	0.27	0.22	0.21	0.29	0.31

Pomona Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Benzidine	ug/L		ND	ND	ND	ND			EPA 625	5	1.8	5.0
Benzo(a)anthracene	ug/L		ND	ND	ND	ND			EPA 625	5	0.14	5.0
Benzo(a)pyrene	ug/L		ND	ND	ND	ND			EPA 525.2		0.070	0.10
Benzo(b)fluoranthene	ug/L		ND	ND	ND	ND			EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L		ND	ND	ND	ND			EPA 625	5	0.12	5.0
Benzo(k)fluoranthene	ug/L		ND	ND	ND	ND			EPA 610	10	0.005	0.020
Beryllium	ug/L		ND	ND	ND	ND			EPA 200.8	0.5	0.020 - 0.030	0.25
beta-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.002 - 0.003	0.005
beta-Endosulfan	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Bis(2-chloroethoxy)methane	ug/L		ND	ND	ND	ND			EPA 625	5	0.11	5.0
bis(2-Chloroethyl) ether	ug/L		ND	ND	ND	ND			EPA 625	1	0.20	1.0
bis(2-Chloroisopropyl) ether	ug/L		ND	ND	ND	ND			EPA 625	2	0.20	2.0
bis(2-Ethylhexyl) phthalate	ug/L	ND	ND	ND	ND	ND		4	EPA 625	5	0.16	2.0
BOD	mg/L	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3
Boron	mg/L	0.24	0.27	0.24	0.27	0.32		1	EPA 200.8		0.008	0.020
Bromodichloromethane	ug/L	6.4	12.5	4.9	13	20.6			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L	ND	DNQ Est. Conc. 0.26	ND	1.4	16.7			EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L		ND	ND	ND	ND			EPA 625	10	0.12	10.0
Cadmium	ug/L		DNQ Est. Conc. 0.065	ND	ND	DNQ Est. Conc. 0.070			EPA 200.8	0.25	0.010 - 0.031	0.20
Carbon tetrachloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.11 - 0.28	0.50
Chloride	mg/L	158	152	126	144	158		180	EPA 300.0		0.040 - 0.100	10.0
Chlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.08 - 0.13	0.50
Chloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L	15.6	49.0	5.4	29	54.8			EPA 624	2	0.09 - 0.18	0.50
Chlorpyrifos	ug/L			ND	ND	ND			SW-846 8141A		0.003	0.05
Chromium III	ug/L		1.12	1.12	1.14	1.17			EPA 200.8			0.50
Chromium VI	ug/L		0.28	DNQ Est. Conc. 0.09	0.10	0.28			EPA 218.6 (Dissolved)		0.01 - 0.02	0.05 - 0.10
Chrysene	ug/L		ND	ND	ND	ND			EPA 610	10	0.005	0.020
Copper	ug/L		4.80	4.80	5.24	5.76			EPA 200.8	0.5	0.05 - 0.11	0.50
Cyanide	ug/L		DNQ Est. Conc. 2.4	DNQ Est. Conc. 2.0	ND	DNQ Est. Conc. 2.6			SM 4500 CN E	5	1.0	5.0
delta-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.003 - 0.004	0.005
Di-n-butyl phthalate	ug/L		ND	ND	ND	ND			EPA 625	10	0.12	10.0
Di-n-octyl phthalate	ug/L		ND	ND	ND	ND			EPA 625	10	0.11	10.0
Diazinon	ug/L			ND	ND	ND			SW-846 8141A		0.004	0.05
Dibenzo(a,h)anthracene	ug/L		ND	ND	ND	ND			EPA 610	10	0.004	0.020
Dibromochloromethane	ug/L	1.6	2.6	0.90	4.6	27.6			EPA 624	2	0.08 - 0.22	0.50
Dieldrin	ug/L		ND	ND	ND	DNQ Est. Conc. 0.009			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L		ND	ND	ND	DNQ Est. Conc. 0.43			EPA 625	2	0.26	2.0
Dimethyl phthalate	ug/L		ND	ND	ND	ND			EPA 625	2	0.28	2.0
Dissolved oxygen	mg/L	5.6	6.2	3.9	5.8	7.2			HACH 10360 LDO			
E. coli	No./100mL	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1.0
Endosulfan sulfate	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.009	0.01
Endrin aldehyde	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.002	0.01
Endrin	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Ethylbenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.10 - 0.18	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND			SM 9222D		1	1
Fluoranthene	ug/L		ND	ND	ND	ND			EPA 625	1	0.24	1.0
Fluorene	ug/L		ND	ND	ND	ND			EPA 625	10	0.35	10.0
Fluoride	mg/L		0.265	0.265	0.279	0.302			SM 4500 F C		0.004	0.100
gamma-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.02	0.0009 - 0.001	0.01
Gross alpha radioactivity	pCi/L		2.13	ND	1.27	2.94			EPA 900.0		1.82 - 5.56	1.82 - 5.56
Gross beta radioactivity	pCi/L		8.90	8.32	12.2	21.8			EPA 900.0		2.27 - 2.61	2.30 - 4.00
Heptachlor epoxide	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.0008 - 0.001	0.01
Hexachlorobenzene	ug/L		ND	ND	ND	ND			EPA 508.1 & EPA 625		0.0030 - 0.17	0.050 - 1.0
Hexachlorobutadiene	ug/L		ND	ND	ND	ND			EPA 625	1	0.33	1.0
Hexachlorocyclopentadiene	ug/L		ND	ND	ND	ND			EPA 508.1 & EPA 625		0.014 - 0.53	0.050 - 5.0
Hexachloroethane	ug/L		ND	ND	ND	ND			EPA 625	1	0.13	1.0
Indeno (1,2,3-cd) pyrene	ug/L		ND	ND	ND	ND			EPA 610	10	0.004	0.020
Iron	ug/L		26.3	26.3	42.2	62.0			EPA 200.8		3.0 - 3.2	20.0
Isophorone	ug/L		ND	ND	ND	ND			EPA 625	1	0.11	1.0
Lead	ug/L	0.37	0.35	0.26	0.35	0.43	166 (3)		EPA 200.8	0.5	0.01	0.25
Mercury	ug/L		0.0018	0.0018	0.0026	0.0036			EPA 1631E		0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L		ND	ND	ND	ND			EPA 624	2	0.20 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L		ND	ND	ND	DNQ Est. Conc. 0.25			EPA 624	2	0.06 - 0.19	0.50
Methyl tert-butyl ether	ug/L		ND	ND	ND	ND			EPA 624		0.08 - 0.12	0.50
Methylene chloride	ug/L		ND	ND	ND	DNQ Est. Conc. 0.25			EPA 624	2	0.18 - 0.20	0.50
N-Nitrosodi-n-propylamine	ug/L		ND	ND	ND	ND			EPA 1625 (Modified) & EPA 625	5	0.0003 - 0.50	0.0020 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.27	0.18	0.10	0.22	0.31			EPA 1625 (Modified)	5	0.0005	0.0020

Pomona Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
n-Nitrosodiphenylamine	ug/L						ND				
Naphthalene	ug/L						ND				
Nickel	ug/L		2.16				1.58		1.46		
Nitrate + nitrite as nitrogen	mg/L	6.69	2.82	4.26	5.96	4.11	6.24	7.22	7.21	7.09	7.38
Nitrate as nitrogen	mg/L	6.42	2.61	4.19	5.84	3.90	6.11	7.13	7.16	6.93	7.30
Nitrite as nitrogen	mg/L	0.265	0.206	0.072	0.116	0.212	0.126	0.086	0.053	0.164	0.078
Nitrobenzene	ug/L						ND				
OctaCDD	pg/L						ND (1)				
OctaCDF	pg/L						ND				
Oil and grease	mg/L		ND				ND		ND		
Organic nitrogen	mg/L	2.20	1.54	2.33	1.83	2.60	1.78	2.12	1.61	1.74	0.355
Orthophosphate-P	mg/L		0.489				0.167		0.082		
PCB-129/138/163	pg/L						ND (1)				
PCB-61/70/74/76	pg/L						DNQ Est. Conc. 18 (1)				
PCB-90/101/113	pg/L						DNQ Est. Conc. 16 (1)				
PCB-105	pg/L						ND				
PCB-114	pg/L						ND				
PCB-118	pg/L						DNQ Est. Conc. 12 (1)				
PCB-123	pg/L						ND				
PCB-126	pg/L						ND				
PCB-158	pg/L						DNQ Est. Conc. 0.77				
PCB-167	pg/L						ND				
PCB-169	pg/L						ND				
PCB-170	pg/L						ND				
PCB-183	pg/L						ND (1)				
PCB-187	pg/L						ND				
PCB-189	pg/L						ND				
PCB-194	pg/L						ND				
PCB-201	pg/L						ND				
PCB-206	pg/L						ND				
PCB-37	pg/L						DNQ Est. Conc. 4.3				
PCB-52	pg/L						DNQ Est. Conc. 23 (1)				
PCB-66	pg/L						DNQ Est. Conc. 5.5				
PCB-77	pg/L						DNQ Est. Conc. 2.9				
PCB-81	pg/L						ND				
PCB-99	pg/L						DNQ Est. Conc. 5.8				
PCB-110/115	pg/L						DNQ Est. Conc. 17 (1)				
PCB-128/166	pg/L						DNQ Est. Conc. 1.2				
PCB-135/151	pg/L						ND (1)				
PCB-147/149	pg/L						ND (1)				
PCB-153/168	pg/L						ND (1)				
PCB-156/157	pg/L						DNQ Est. Conc. 1.2				
PCB-18/30	pg/L						DNQ Est. Conc. 14				
PCB-180/193	pg/L						ND (1)				
PCB-20/28	pg/L						DNQ Est. Conc. 20				
PCB-44/47/65	pg/L						DNQ Est. Conc. 96 (1)				
PCB-49/69	pg/L						DNQ Est. Conc. 5.9				
PCB-86/87/97/108/119	pg/L						ND				
PCBs as Aroclors	ug/L		ND		ND		ND		ND		ND
PCBs as Congeners	pg/L						ND				
Pentachlorophenol	ug/L		ND		ND		ND		ND		ND
Perchlorate	ug/L	0.15	0.12	0.43	0.092	0.088	0.26	0.92	0.58	0.77	1.1
Phenanthrene	ug/L		ND		ND		ND		ND		ND
Phenol	ug/L		DNQ Est. Conc. 0.24		DNQ Est. Conc. 0.24		DNQ Est. Conc. 0.24		DNQ Est. Conc. 0.24		DNQ Est. Conc. 0.24
pH	SU	7.4	7.5	7.4	7.4	7.4	7.4	7.5	7.5	7.4	7.4
Pyrene	ug/L						ND				
Radium-226 + radium-228	pCi/L								ND		
Selenium	ug/L	DNQ Est. Conc. 0.29	DNQ Est. Conc. 0.42	DNQ Est. Conc. 0.34	DNQ Est. Conc. 0.33	DNQ Est. Conc. 0.47	DNQ Est. Conc. 0.44	DNQ Est. Conc. 0.41	DNQ Est. Conc. 0.32	DNQ Est. Conc. 0.31	DNQ Est. Conc. 0.33
Settleable Solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L		DNQ Est. Conc. 0.04				ND		ND		
Strontium-90	pCi/L		ND				ND		ND		
Sulfate	mg/L	61.5	62.0	59.6	60.7	69.4	67.3	75.5	81.8	74.7	71.5
Surfactant (CTAS)	mg/L		ND				ND		ND		
Surfactant (MBAS)	mg/L		0.10		ND		ND		ND		ND
Technical chlordane	ug/L		ND				ND		ND		
Temperature	Degrees F	71.8	71.4	70.9	74.1	75.6	80.2	84.5	85.9	84.3	81.4
Tetrachloroethylene	ug/L		ND		ND		ND		ND		ND
Thallium	ug/L		ND				ND		ND		
Toluene	ug/L		DNQ Est. Conc. 0.17		DNQ Est. Conc. 0.10		ND		DNQ Est. Conc. 0.28		ND

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
n-Nitrosodiphenylamine	ug/L		ND	ND	ND	ND			EPA 625	1	0.28	1.0
Naphthalene	ug/L		ND	ND	ND	ND			EPA 625	1	0.13	1.0
Nickel	ug/L		1.41	1.41	1.65	2.16			EPA 200.8	1	0.07 - 0.12	1.00
Nitrate + nitrite as nitrogen	mg/L	7.42	6.61	2.82	6.08	7.42		8	SM 4500 NO3 F		0.030 - 0.040	0.200
Nitrate as nitrogen	mg/L	7.24	6.39	2.61	5.94	7.30			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.178	0.220	0.053	0.15	0.265		1	SM 4500 NO3 F		0.003 - 0.009	0.030
Nitrobenzene	ug/L		ND	ND	ND	ND			EPA 625	1	0.17	1.0
OctaCDD	pg/L		ND (1)	ND (1)	ND	ND (1)			EPA 1613B		0.36 - 0.48	100 - 110
OctaCDF	pg/L		ND (1)	ND (1)	ND	ND (1)			EPA 1613B		0.35 - 1.1	100 - 110
Oil and grease	mg/L		ND	ND	ND	ND	15	10	EPA 1664A		1.2	4.1 - 4.8
Organic nitrogen	mg/L	1.91	1.20	0.355	1.77	2.60			EPA 351.2		0.130 - 0.135	0.200
Orthophosphate-P	mg/L		0.080	0.080	0.20	0.489			EPA 365.1		0.001 - 0.025	0.030
PCB-129/138/163	pg/L			ND (1)	ND	ND (1)			EPA 1668		0.56	640
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 18 (1)	ND	DNQ Est. Conc. 18 (1)			EPA 1668		1.3	850
PCB-90/101/113	pg/L			DNQ Est. Conc. 16 (1)	ND	DNQ Est. Conc. 16 (1)			EPA 1668		1.2	640
PCB-105	pg/L			ND	ND	ND			EPA 1668		1.2	21
PCB-114	pg/L			ND	ND	ND			EPA 1668		1.1	21
PCB-118	pg/L			DNQ Est. Conc. 12 (1)	ND	DNQ Est. Conc. 12 (1)			EPA 1668		1.1	21
PCB-123	pg/L			ND	ND	ND			EPA 1668		1.1	21
PCB-126	pg/L			ND	ND	ND			EPA 1668		1.2	21
PCB-158	pg/L			DNQ Est. Conc. 0.77	ND	DNQ Est. Conc. 0.77			EPA 1668		0.34	210
PCB-167	pg/L			ND	ND	ND			EPA 1668		0.35	21
PCB-169	pg/L			ND	ND	ND			EPA 1668		0.35	21
PCB-170	pg/L			ND	ND	ND			EPA 1668		0.54	210
PCB-183	pg/L			ND (1)	ND	ND (1)			EPA 1668		0.45	210
PCB-187	pg/L			ND	ND	ND			EPA 1668		0.52	210
PCB-189	pg/L			ND	ND	ND			EPA 1668		0.46	21
PCB-194	pg/L			ND	ND	ND			EPA 1668		0.52	210
PCB-201	pg/L			ND	ND	ND			EPA 1668		0.31	210
PCB-206	pg/L			ND	ND	ND			EPA 1668		1.2	210
PCB-37	pg/L			DNQ Est. Conc. 4.3	ND	DNQ Est. Conc. 4.3			EPA 1668		1.8	210
PCB-52	pg/L			DNQ Est. Conc. 23 (1)	ND	DNQ Est. Conc. 23 (1)			EPA 1668		1.9	210
PCB-66	pg/L			DNQ Est. Conc. 5.5	ND	DNQ Est. Conc. 5.5			EPA 1668		1.4	210
PCB-77	pg/L			DNQ Est. Conc. 2.9	ND	DNQ Est. Conc. 2.9			EPA 1668		1.3	21
PCB-81	pg/L			ND	ND	ND			EPA 1668		1.3	21
PCB-99	pg/L			DNQ Est. Conc. 5.8	ND	DNQ Est. Conc. 5.8			EPA 1668		1.3	210
PCB-110/115	pg/L			DNQ Est. Conc. 17 (1)	ND	DNQ Est. Conc. 17 (1)			EPA 1668		1.1	420
PCB-128/166	pg/L			DNQ Est. Conc. 1.2	ND	DNQ Est. Conc. 1.2			EPA 1668		0.42	420
PCB-135/151	pg/L			ND (1)	ND	ND (1)			EPA 1668		0.49	420
PCB-147/149	pg/L			ND (1)	ND	ND (1)			EPA 1668		0.46	420
PCB-153/168	pg/L			ND (1)	ND	ND (1)			EPA 1668		0.38	420
PCB-156/157	pg/L			DNQ Est. Conc. 1.2	ND	DNQ Est. Conc. 1.2			EPA 1668		0.48	42
PCB-18/30	pg/L			DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14			EPA 1668		1.8	420
PCB-180/193	pg/L			ND (1)	ND	ND (1)			EPA 1668		0.42	420
PCB-20/28	pg/L			DNQ Est. Conc. 20	ND	DNQ Est. Conc. 20			EPA 1668		2.0	420
PCB-44/47/65	pg/L			DNQ Est. Conc. 96 (1)	ND	DNQ Est. Conc. 96 (1)			EPA 1668		1.7	640
PCB-49/69	pg/L			DNQ Est. Conc. 5.9	ND	DNQ Est. Conc. 5.9			EPA 1668		1.5	420
PCB-86/87/97/108/119	pg/L			ND	ND	ND			EPA 1668		1.2	1300
PCBs as Aroclors	ug/L		ND	ND	ND	ND			EPA 608			
PCBs as Congeners	pg/L			ND	ND	ND			EPA 1668			
Pentachlorophenol	ug/L		ND	ND	ND	ND			EPA 625	5	0.62	1.0
Perchlorate	ug/L	0.43	0.51	0.088	0.45	1.1			EPA 331.0		0.0201	0.05
Phenanthrene	ug/L		ND	ND	ND	ND			EPA 625	5	0.31	5.0
Phenol	ug/L		DNQ Est. Conc. 0.23	DNQ Est. Conc. 0.23	ND	DNQ Est. Conc. 0.24			EPA 625	1	0.12	1.0
pH	SU	7.4	7.3	7.3	7.4	7.5			SM 4500 H+ B		1.00	1.00 - 4.00
Pyrene	ug/L		ND	ND	ND	ND			EPA 625	10	0.28	10.0
Radium-226 + radium-228	pCi/L		ND	ND	ND	ND			Drinking H2O Radium Sum Method			1.0
Selenium	ug/L	DNQ Est. Conc. 0.37	DNQ Est. Conc. 0.50	DNQ Est. Conc. 0.29	ND	DNQ Est. Conc. 0.50	6.2 (4)	4.7 (4)	EPA 200.8	2	0.02 - 0.04	1.00
Settleable Solids	mL/L	ND	ND	ND	ND	ND	0.3	0.1	SM 2540F		0.1	0.1
Silver	ug/L		ND	ND	ND	DNQ Est. Conc. 0.04			EPA 200.8	0.25	0.02	0.20
Strontium-90	pCi/L		ND	ND	ND	ND			EPA 905.0		0.253 - 0.310	0.310 - 3.00
Sulfate	mg/L	64.6	68.7	59.6	68.1	81.8		300	EPA 300.0		0.020 - 0.200	2.50
Surfactant (CTAS)	mg/L		ND	ND	ND	ND			SM 5540D		0.023 - 0.10	0.10 - 0.20
Surfactant (MBAS)	mg/L		ND	ND	0.017	0.10		0.5	SM 5540C		0.02 - 0.03	0.10
Technical chlordane	ug/L		ND	ND	ND	ND			EPA 608	0.1	0.01 - 0.03	0.05
Temperature	Degrees F	77.4	72.5	70.9	77.5	85.9	86 (5)		EPA 170.1 (oF)			
Tetrachloroethylene	ug/L		ND	ND	ND	ND			EPA 624	2	0.16 - 0.25	0.50
Thallium	ug/L		ND	ND	ND	ND			EPA 200.8	1	0.010 - 0.015	0.25
Toluene	ug/L		ND	ND	ND	DNQ Est. Conc. 0.28			EPA 624	2	0.06 - 0.19	0.50

Pomona Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Total chromium	ug/L		2.18				1.27		1.22		
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total dissolved solids	mg/L	542	544	596	594	580	630	598	634	630	606
Total hardness	mg/L	201	232	224	226	234	229	212	204	186	200
Total Kjeldahl Nitrogen (TKN)	mg/L	5.40	6.20	4.30	3.50	4.88	3.10	3.70	3.28	4.43	2.38
Total nitrogen	mg/L	12.1	9.02	8.56	9.46	8.98	9.34	10.9	10.5	11.5	9.76
Total phosphorus	mg/L		0.68				0.241		0.126		
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Suspended Solids	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total trihalomethanes	ug/L	21.4	35.6	51.2	38.3	65.9	67.3	73.7	45.8	20.3	70.5
Toxaphene	ug/L		ND		ND		ND		ND		ND
Toxic equivalence	pg/L						ND				
Trichloroethylene	ug/L		ND		ND		ND		ND		ND
Tritium	pCi/L		ND				ND		ND		
Turbidity (flow proportioned avg daily value)	NTU	0.60	0.67	0.58	0.73	0.84	0.62	0.57	0.42	0.66	0.59
Uranium	pCi/L		0.352				ND		ND		
Vinyl chloride	ug/L		ND		ND		ND		ND		ND
Zinc	ug/L		64.7				79.4		62.7		

Pomona Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Total chromium	ug/L		1.40	1.22	1.52	2.18			EPA 200.8	0.5	0.10 - 0.11	0.50
Total coliform	No./100mL	ND	ND	ND	ND	ND	(6)	(6)	SM 9222B		1	1
Total dissolved solids	mg/L	595	602	542	596	634		750	SM 2540C		2.7	50.0 - 83.3
Total hardness	mg/L	208	215	186	214	234			EPA 200.8 & SM 2340C			0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	4.95	3.86	2.38	4.16	6.20			EPA 351.2		0.130 - 0.135	0.200 - 1.00
Total nitrogen	mg/L	12.4	10.5	8.56	10.2	12.4			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L		0.137	0.126	0.30	0.68			EPA 365.1		0.001 - 0.028	0.030 - 0.040
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.03	0.10
Total Suspended Solids	mg/L	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5 - 5.6
Total trihalomethanes	ug/L	23.6	64.1	20.3	48.1	73.7		80	EPA 624			0.50
Toxaphene	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.04 - 0.08	0.5
Toxic equivalence	pg/L		ND	ND	ND	ND			EPA 1613B			
Trichloroethylene	ug/L		ND	ND	ND	ND			EPA 624	2	0.13 - 0.28	0.50
Tritium	pCi/L		ND	ND	ND	ND			EPA 906.0		304 - 434	434 - 500
Turbidity (flow proportioned avg daily value)	NTU	0.69	0.54	0.42	0.62	0.84	2		SM 2130B		0.12	0.12
Uranium	pCi/L		ND	ND	0.0880	0.352			EPA 908.0		0.110 - 0.342	0.342 - 1.00
Vinyl chloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.20 - 0.37	0.50
Zinc	ug/L		72.8	62.7	69.9	79.4			EPA 200.8	1	0.60 - 0.70	1.00

(1) Blank contamination observed.
(2) Possible interference observed. The measured ion ratio did not meet qualitative criteria for analysis and results are considered to be an estimated maximum possible concentration.
(3) Wet weather effluent limit.
(4) Dry weather effluent limit.
(5) The temperature of wastes discharged shall not exceed 86°F except as a result of external ambient temperature.
(6) The number of total coliform bacteria shall not exceed 2.2/100 mL as a 7-day median, 23/100 mL in more than one sample within any 30-day period, and 240/100 mL in any sample.

San Jose Creek WRP, East, Influent Monitoring

San Jose Creek East Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L		ND						ND	
1,1-Dichloroethene	ug/L		ND						ND	
1,1,1-Trichloroethane	ug/L		ND						ND	
1,1,2-Trichloroethane	ug/L		ND						ND	
1,1,2,2-Tetrachloroethane	ug/L		ND						ND	
1,2-Dichlorobenzene	ug/L		ND						ND	
1,2-Dichloroethane	ug/L		ND						ND	
1,2-Dichloropropane	ug/L		ND						ND	
1,2-Diphenylhydrazine	ug/L		ND						ND	
1,2,4-Trichlorobenzene	ug/L		ND						ND	
1,3-Dichlorobenzene	ug/L		ND						ND	
1,3-Dichloropropene (Total)	ug/L		ND						ND	
1,4-Dichlorobenzene	ug/L		ND						ND	
2-Chloroethyl vinyl ether (mixed)	ug/L		ND						ND	
2-Chloronaphthalene	ug/L		ND						ND	
2-Chlorophenol	ug/L		ND						ND	
2-Methyl-4,6-dinitrophenol	ug/L		ND						ND	
2-Nitrophenol	ug/L		ND						ND	
2,3,7,8-TCDD	pg/L		ND						ND	
2,4-Dichlorophenol	ug/L		ND						ND	
2,4-Dimethylphenol	ug/L		ND						ND	
2,4-Dinitrophenol	ug/L		ND						ND	
2,4-Dinitrotoluene	ug/L		ND						ND	
2,4,6-Trichlorophenol	ug/L		ND						ND	
2,6-Dinitrotoluene	ug/L		ND						ND	
3-Methyl-4-chlorophenol	ug/L		ND						ND	
3,3'-Dichlorobenzidine	ug/L		ND						ND	
4-Bromophenyl phenyl ether	ug/L		ND						ND	
4-Chlorophenyl phenyl ether	ug/L		ND						ND	
4-Nitrophenol	ug/L		ND						ND	
4,4'-DDD	ug/L		ND						ND	
4,4'-DDE	ug/L		ND						ND	
4,4'-DDT	ug/L		ND						ND	
Acenaphthene	ug/L		ND						ND	
Acenaphthylene	ug/L		ND						ND	
Acrolein	ug/L		ND						ND	
Acrylonitrile	ug/L		ND						ND	
Aldrin	ug/L		ND						ND	
alpha-BHC	ug/L		ND						ND	
Anthracene	ug/L		ND						ND	
Antimony	ug/L		0.83						0.68	
Aroclor 1016	ug/L								ND	
Aroclor 1221	ug/L								ND	
Aroclor 1232	ug/L								ND	
Aroclor 1242	ug/L								ND	
Aroclor 1248	ug/L								ND	
Aroclor 1254	ug/L								ND	
Aroclor 1260	ug/L								ND	
Arsenic	ug/L		2.27						2.15	
Benzene	ug/L		ND						ND	
Benzidine	ug/L		ND						ND	
Benzo(a)anthracene	ug/L		ND						ND	
Benzo(a)pyrene	ug/L		ND						ND	
Benzo(b)fluoranthene	ug/L		ND						ND	
Benzo(g,h,i)perylene	ug/L		ND						ND	
Benzo(k)fluoranthene	ug/L		ND						ND	

San Jose Creek East Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624	1	0.07 - 0.22	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.13 - 0.43	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.07 - 0.17	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.10 - 0.24	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624	1	0.10 - 0.13	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.12 - 0.18	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.22	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.09 - 0.11	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625	1	0.20	40.0
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625	5	0.19	200
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.09 - 0.21	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.07 - 0.18	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624	1	0.16 - 0.29	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625	10	0.13	400
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.18	200
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	0.92	200
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	0.10	400
2,3,7,8-TCDD	pg/L				ND	ND	ND	EPA 1613B		0.21 - 0.57	11 - 13
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.63	200
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625	2	0.88	80.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	2.8	200
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.27	200
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625	10	0.21	400
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.28	200
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625	1	0.44	40.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625	5	0.81	200
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.27	200
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.32	200
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	1.3	400
4,4'-DDD	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.05 - 0.10
4,4'-DDE	ug/L				ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.05 - 0.10
4,4'-DDT	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.05 - 0.10
Acenaphthene	ug/L				ND	ND	ND	EPA 625	1	0.22	40.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625	10	0.19	400
Acrolein	ug/L				ND	ND	ND	EPA 624		0.93 - 1.6	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624		0.79 - 0.92	2.0
Aldrin	ug/L				ND	ND	ND	EPA 608	0.005	0.002	0.02 - 0.05
alpha-BHC	ug/L				ND	ND	ND	EPA 608	0.01	0.0005 - 0.001	0.05 - 0.10
Anthracene	ug/L				ND	ND	ND	EPA 625	10	0.19	400
Antimony	ug/L				0.68	0.76	0.83	EPA 200.8	0.5	0.32	0.50
Aroclor 1016	ug/L				ND	ND	ND	EPA 608	0.5	0.03	1.0
Aroclor 1221	ug/L				ND	ND	ND	EPA 608	0.5	0.2	5.0
Aroclor 1232	ug/L				ND	ND	ND	EPA 608	0.5	0.1	3.0
Aroclor 1242	ug/L				ND	ND	ND	EPA 608	0.5	0.04	1.0
Aroclor 1248	ug/L				ND	ND	ND	EPA 608	0.5	0.03	1.0
Aroclor 1254	ug/L				ND	ND	ND	EPA 608	0.5	0.02	0.5
Aroclor 1260	ug/L				ND	ND	ND	EPA 608	0.5	0.02	1.0
Arsenic	ug/L				2.15	2.21	2.27	EPA 200.8	2	0.14	1.00
Benzene	ug/L				ND	ND	ND	EPA 624	2	0.10 - 0.11	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625	5	1.8	200
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625	5	0.14	200
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625	10	0.19	400
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.22	400
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625	5	0.12	200
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.19	400

San Jose Creek East Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
Beryllium	ug/L		ND						ND	
beta-BHC	ug/L		ND						DNQ Est. Conc. 0.04	
bis(2-Chloroethoxy) methane	ug/L		ND						ND	
bis(2-Chloroethyl) ether	ug/L		ND						ND	
bis(2-Chloroisopropyl) ether	ug/L		ND						ND	
bis(2-Ethylhexyl) phthalate	ug/L		DNQ Est. Conc. 10.8						ND	
Bromodichloromethane	ug/L		0.74						ND	
Bromoform	ug/L		0.53						ND	
Butyl benzyl phthalate	ug/L		ND						ND	
Cadmium	ug/L		DNQ Est. Conc. 0.12						DNQ Est. Conc. 0.050	
Carbon tetrachloride	ug/L		ND						ND	
Chlorobenzene	ug/L		ND						ND	
Chlorodibromomethane	ug/L		0.72						ND	
Chloroethane	ug/L		ND						ND	
Chloroform	ug/L		5.9						3.8	
Chromium III	ug/L		7.16						4.13	
Chromium VI	ug/L		0.15						0.10	
Chromium, total	ug/L		4.67						1.88	
Chrysene	ug/L		ND						ND	
Copper	ug/L		67.9						39.1	
delta-BHC	ug/L		ND						ND	
Di-n-butyl phthalate	ug/L		ND						ND	
Di-n-octyl phthalate	ug/L		ND						ND	
Dibenzo(a,h)anthracene	ug/L		ND						ND	
Dieldrin	ug/L		DNQ Est. Conc. 0.03						ND	
Diethyl phthalate	ug/L		ND						DNQ Est. Conc. 11.1	
Dimethyl phthalate	ug/L		ND						ND	
Endosulfan II	ug/L		ND						ND	
Endosulfan I	ug/L		ND						ND	
Endosulfan sulfate	ug/L		ND						ND	
Endrin aldehyde	ug/L		ND						ND	
Endrin	ug/L		ND						ND	
Ethylbenzene	ug/L		ND						ND	
Fluoranthene	ug/L		ND						ND	
Fluorene	ug/L		ND						ND	
gamma-BHC (Lindane)	ug/L		ND						ND	
Heptachlor epoxide	ug/L		ND						ND	
Heptachlor	ug/L		ND						ND	
Hexachlorobenzene	ug/L		ND						ND	
Hexachlorobutadiene	ug/L		ND						ND	
Hexachlorocyclopentadiene	ug/L		ND						ND	
Hexachloroethane	ug/L		ND						ND	
Indeno (1,2,3-cd) pyrene	ug/L		ND						ND	
Isophorone	ug/L		ND						ND	
Lead	ug/L	3.29	1.93	3.39	2.12	0.67	0.59	1.40	0.73	1.17
Mercury	ug/L		0.12						ND	
Methyl bromide (Bromomethane)	ug/L		ND						ND	
Methyl chloride (Chloromethane)	ug/L		ND						ND	
Methylene chloride	ug/L		18.1						3.2	
n-Nitrosodi-n-propylamine	ug/L		ND						ND	
n-Nitrosodimethylamine (NDMA)	ug/L		ND						ND	
n-Nitrosodiphenylamine	ug/L		ND						ND	
Naphthalene	ug/L		ND						ND	
Nickel	ug/L		10.8						8.72	
Nitrobenzene	ug/L		ND						ND	
PCB-129/138/163	pg/L								DNQ Est. Conc. 260 (1)	

San Jose Creek East Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
Beryllium	ug/L				ND	ND	ND	EPA 200.8	0.5	0.030	0.25
beta-BHC	ug/L				ND	ND	DNQ Est. Conc. 0.04	EPA 608	0.005	0.003 - 0.004	0.02 - 0.05
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625	5	0.11	200
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625	1	0.20	40.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625	2	0.20	80.0
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	DNQ Est. Conc. 10.8	EPA 625	5	0.16	80.0
Bromodichloromethane	ug/L				ND	0.37	0.74	EPA 624	2	0.09 - 0.14	0.50
Bromoform	ug/L				ND	0.27	0.53	EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.12	400
Cadmium	ug/L				DNQ Est. Conc. 0.050	ND	DNQ Est. Conc. 0.12	EPA 200.8	0.25	0.031	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.11 - 0.17	0.50
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.08 - 0.13	0.50
Chlorodibromomethane	ug/L				ND	0.36	0.72	EPA 624	2	0.08 - 0.22	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.22	0.50
Chloroform	ug/L				3.8	4.9	5.9	EPA 624	2	0.09 - 0.14	0.50
Chromium III	ug/L				4.13	5.65	7.16	EPA 200.8			0.50
Chromium VI	ug/L				0.10	0.13	0.15	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				1.88	3.28	4.67	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625	10	0.16	400
Copper	ug/L				39.1	53.5	67.9	EPA 200.8	0.5	0.11	0.50
delta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.001 - 0.003	0.02 - 0.05
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.12	400
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.11	400
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625	10	0.13	400
Dieldrin	ug/L				ND	ND	DNQ Est. Conc. 0.03	EPA 608	0.01	0.001	0.05 - 0.10
Diethyl phthalate	ug/L				ND	ND	DNQ Est. Conc. 11.1	EPA 625	2	0.26	80.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625	2	0.28	80.0
Endosulfan II	ug/L				ND	ND	ND	EPA 608	0.01	0.003	0.05 - 0.10
Endosulfan I	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.05 - 0.10
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.05 - 0.10
Endrin aldehyde	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.05 - 0.10
Endrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.05 - 0.10
Ethylbenzene	ug/L				ND	ND	ND	EPA 624	2	0.10 - 0.12	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625	1	0.24	40.0
Fluorene	ug/L				ND	ND	ND	EPA 625	10	0.35	400
gamma-BHC (Lindane)	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.05 - 0.10
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.05 - 0.10
Heptachlor	ug/L				ND	ND	ND	EPA 608	0.01	0.0009 - 0.001	0.05 - 0.10
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625	1	0.17	40.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625	1	0.33	40.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625	5	0.53	200
Hexachloroethane	ug/L				ND	ND	ND	EPA 625	1	0.13	40.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625	10	0.12	400
Isophorone	ug/L				ND	ND	ND	EPA 625	1	0.11	40.0
Lead	ug/L	5.32	1.92	4.60	0.59	2.3	5.32	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L				ND	0.060	0.12	EPA 245.1	0.5	0.004 - 0.017	0.04 - 0.050
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.20 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND	EPA 624	2	0.06 - 0.15	0.50
Methylene chloride	ug/L				3.2	11	18.1	EPA 624	2	0.19 - 0.20	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 1625 (Modified) & EPA 625	5	0.0003 - 0.50	0.020 - 200
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA 1625 (Modified) & EPA 625	5	0.0005 - 0.34	0.020 - 200
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 1625 (Modified) & EPA 625	1	0.0013 - 0.28	0.10 - 40.0
Naphthalene	ug/L				ND	ND	ND	EPA 625	1	0.13	40.0
Nickel	ug/L				8.72	9.76	10.8	EPA 200.8	1	0.12	1.00
Nitrobenzene	ug/L				ND	ND	ND	EPA 625	1	0.17	40.0
PCB-129/138/163	pg/L				DNQ Est. Conc. 260 (1)	ND	DNQ Est. Conc. 260 (1)	EPA 1668		1.7	760

San Jose Creek East Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 280 (1)	
PCB-90/101/113	pg/L								DNQ Est. Conc. 320 (1)	
PCB-105	pg/L								120	
PCB-114	pg/L								DNQ Est. Conc. 6.9	
PCB-118	pg/L								280 (1)	
PCB-123	pg/L								DNQ Est. Conc. 5.6	
PCB-126	pg/L								ND	
PCB-158	pg/L								DNQ Est. Conc. 25	
PCB-167	pg/L								DNQ Est. Conc. 12	
PCB-169	pg/L								ND	
PCB-170	pg/L								DNQ Est. Conc. 37	
PCB-177	pg/L								DNQ Est. Conc. 23	
PCB-183	pg/L								DNQ Est. Conc. 30	
PCB-187	pg/L								DNQ Est. Conc. 59	
PCB-189	pg/L								DNQ Est. Conc. 1.5	
PCB-194	pg/L								DNQ Est. Conc. 27 (1)	
PCB-201	pg/L								DNQ Est. Conc. 4.0	
PCB-206	pg/L								DNQ Est. Conc. 15	
PCB-37	pg/L								DNQ Est. Conc. 39	
PCB-52	pg/L								DNQ Est. Conc. 230 (1)	
PCB-66	pg/L								DNQ Est. Conc. 120	
PCB-77	pg/L								DNQ Est. Conc. 14	
PCB-81	pg/L								ND	
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 220	
PCB-99	pg/L								DNQ Est. Conc. 120	
PCB-110/115	pg/L								DNQ Est. Conc. 360 (1)	
PCB-128/166	pg/L								DNQ Est. Conc. 29	
PCB-135/151	pg/L								DNQ Est. Conc. 72 (1)	
PCB-147/149	pg/L								DNQ Est. Conc. 180 (1)	
PCB-153/168	pg/L								DNQ Est. Conc. 190	
PCB-156/157	pg/L								DNQ Est. Conc. 36	
PCB-18/30	pg/L								DNQ Est. Conc. 58 (1)	
PCB-180/193	pg/L								DNQ Est. Conc. 100 (1)	
PCB-20/28	pg/L								DNQ Est. Conc. 140 (1)	
PCB-44/47/65	pg/L								DNQ Est. Conc. 250 (1)	
PCB-49/69	pg/L								DNQ Est. Conc. 61	
Pentachlorophenol	ug/L		ND						ND	
Phenanthrene	ug/L		ND						ND	
Phenol	ug/L		41.8						DNQ Est. Conc. 31.6	
pH	SU	7.2	7.2	7.2	7.2	7.3	7.2	7.1	7.1	7.1
Pyrene	ug/L		ND						ND	
Selenium	ug/L	1.21	DNQ Est. Conc. 0.95	1.02	1.22	1.02	DNQ Est. Conc. 0.78	1.55	DNQ Est. Conc. 0.79	DNQ Est. Conc. 0.92
Silver	ug/L		0.58						DNQ Est. Conc. 0.16	
Technical Chlordane	ug/L		ND						ND	
Tetrachloroethene	ug/L		ND						ND	
Thallium	ug/L		ND						ND	
Toluene	ug/L		0.94						0.76	
Total BOD 20C	mg/L	357	366	390	414	242	304	296	339	414
Total cyanide	ug/L		DNQ Est. Conc. 2.2						DNQ Est. Conc. 2.4	
Total suspended solids	mg/L	372	411	411	477	398	372	339	332	526
Toxaphene	ug/L		ND						ND	
trans-1,2-Dichloroethene	ug/L		ND						ND	
Trichloroethene	ug/L		ND						ND	
Vinyl chloride	ug/L		ND						ND	
Zinc	ug/L		129						72.6	

San Jose Creek East Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 280 (1)	ND	DNQ Est. Conc. 280 (1)	EPA 1668		2.5	1000
PCB-90/101/113	pg/L				DNQ Est. Conc. 320 (1)	ND	DNQ Est. Conc. 320 (1)	EPA 1668		3.6	760
PCB-105	pg/L				120	120	120	EPA 1668		3.7	25
PCB-114	pg/L				DNQ Est. Conc. 6.9	ND	DNQ Est. Conc. 6.9	EPA 1668		3.7	25
PCB-118	pg/L				280 (1)	280	280 (1)	EPA 1668		3.4	25
PCB-123	pg/L				DNQ Est. Conc. 5.6	ND	DNQ Est. Conc. 5.6	EPA 1668		3.6	25
PCB-126	pg/L				ND	ND	ND	EPA 1668		3.7	25
PCB-158	pg/L				DNQ Est. Conc. 25	ND	DNQ Est. Conc. 25	EPA 1668		1.3	250
PCB-167	pg/L				DNQ Est. Conc. 12	ND	DNQ Est. Conc. 12	EPA 1668		1.8	25
PCB-169	pg/L				ND	ND	ND	EPA 1668		2.0	25
PCB-170	pg/L				DNQ Est. Conc. 37	ND	DNQ Est. Conc. 37	EPA 1668		1.2	250
PCB-177	pg/L				DNQ Est. Conc. 23	ND	DNQ Est. Conc. 23	EPA 1668		1.2	250
PCB-183	pg/L				DNQ Est. Conc. 30	ND	DNQ Est. Conc. 30	EPA 1668		1.0	250
PCB-187	pg/L				DNQ Est. Conc. 59	ND	DNQ Est. Conc. 59	EPA 1668		0.63	250
PCB-189	pg/L				DNQ Est. Conc. 1.5	ND	DNQ Est. Conc. 1.5	EPA 1668		0.72	25
PCB-194	pg/L				DNQ Est. Conc. 27 (1)	ND	DNQ Est. Conc. 27 (1)	EPA 1668		1.0	250
PCB-201	pg/L				DNQ Est. Conc. 4.0	ND	DNQ Est. Conc. 4.0	EPA 1668		0.47	250
PCB-206	pg/L				DNQ Est. Conc. 15	ND	DNQ Est. Conc. 15	EPA 1668		1.5	250
PCB-37	pg/L				DNQ Est. Conc. 39	ND	DNQ Est. Conc. 39	EPA 1668		5.0	250
PCB-52	pg/L				DNQ Est. Conc. 230 (1)	ND	DNQ Est. Conc. 230 (1)	EPA 1668		5.0	250
PCB-66	pg/L				DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668		2.7	250
PCB-77	pg/L				DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14	EPA 1668		3.3	25
PCB-81	pg/L				ND	ND	ND	EPA 1668		2.9	25
PCB-86/87/97/108/119/125	pg/L				DNQ Est. Conc. 220	ND	DNQ Est. Conc. 220	EPA 1668		3.6	1500
PCB-99	pg/L				DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668		3.7	250
PCB-110/115	pg/L				DNQ Est. Conc. 360 (1)	ND	DNQ Est. Conc. 360 (1)	EPA 1668		3.3	500
PCB-128/166	pg/L				DNQ Est. Conc. 29	ND	DNQ Est. Conc. 29	EPA 1668		1.5	500
PCB-135/151	pg/L				DNQ Est. Conc. 72 (1)	ND	DNQ Est. Conc. 72 (1)	EPA 1668		1.9	500
PCB-147/149	pg/L				DNQ Est. Conc. 180 (1)	ND	DNQ Est. Conc. 180 (1)	EPA 1668		1.8	500
PCB-153/168	pg/L				DNQ Est. Conc. 190	ND	DNQ Est. Conc. 190	EPA 1668		1.4	500
PCB-156/157	pg/L				DNQ Est. Conc. 36	ND	DNQ Est. Conc. 36	EPA 1668		2.6	50
PCB-18/30	pg/L				DNQ Est. Conc. 58 (1)	ND	DNQ Est. Conc. 58 (1)	EPA 1668		1.5	500
PCB-180/193	pg/L				DNQ Est. Conc. 100 (1)	ND	DNQ Est. Conc. 100 (1)	EPA 1668		0.95	500
PCB-20/28	pg/L				DNQ Est. Conc. 140 (1)	ND	DNQ Est. Conc. 140 (1)	EPA 1668		4.1	500
PCB-44/47/65	pg/L				DNQ Est. Conc. 250 (1)	ND	DNQ Est. Conc. 250 (1)	EPA 1668		4.4	760
PCB-49/69	pg/L				DNQ Est. Conc. 61	ND	DNQ Est. Conc. 61	EPA 1668		3.8	500
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.62	40.0
Phenanthrene	ug/L				ND	ND	ND	EPA 625	5	0.31	200
Phenol	ug/L				DNQ Est. Conc. 31.6	20.9	41.8	EPA 625	1	0.12	40.0
pH	SU	7.3	7.2	7.2	7.1	7.2	7.3	SM 4500 H+ B		1.00	1.00 - 4.00
Pyrene	ug/L				ND	ND	ND	EPA 625	10	0.28	400
Selenium	ug/L	1.24	1.45	1.66	DNQ Est. Conc. 0.78	0.86	1.66	EPA 200.8	2	0.02 - 0.04	1.00
Silver	ug/L				DNQ Est. Conc. 0.16	0.29	0.58	EPA 200.8	0.25	0.02	0.20
Technical Chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.02 - 0.03	0.25 - 0.50
Tetrachloroethene	ug/L				ND	ND	ND	EPA 624	2	0.16 - 0.25	0.50
Thallium	ug/L				ND	ND	ND	EPA 200.8	1	0.015	0.25
Toluene	ug/L				0.76	0.85	0.94	EPA 624	2	0.06 - 0.08	0.50
Total BOD 20C	mg/L	454	542	469	242	382	542	SM 5210B		0.6	120 - 200
Total cyanide	ug/L				DNQ Est. Conc. 2.2	ND	DNQ Est. Conc. 2.4	SM 4500 CN E	5	1.00	5.00
Total suspended solids	mg/L	557	872	594	332	472	872	SM 2540D		2.5	83.3 - 100
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.04 - 0.05	2.5 - 5.0
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624	1	0.09 - 0.45	0.50
Trichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.13 - 0.25	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.20 - 0.37	0.50
Zinc	ug/L				72.6	101	129	EPA 200.8	1	0.60	1.00

(1) Blank contamination observed.

San Jose Creek WRP, East, Effluent Monitoring

San Jose Creek East Water Reclamation Plant
2018 EFF-002 Monitoring Results

Parameter	Units	January *	February	March	April *	May	June	July	August	September *
1,1-Dichloroethane	ug/L		ND		ND		ND		ND	
1,1-Dichloroethene	ug/L		ND		ND		ND		ND	
1,1,1-Trichloroethane	ug/L		ND		ND		ND		ND	
1,1,2-Trichloroethane	ug/L		ND		ND		ND		ND	
1,1,2,2-Tetrachloroethane	ug/L		ND		ND		ND		ND	
1,2-Dichlorobenzene	ug/L		ND		ND		ND		ND	
1,2-Dichloroethane	ug/L		ND		ND		ND		ND	
1,2-Dichloropropane	ug/L		ND		ND		ND		ND	
1,2-Diphenylhydrazine	ug/L		ND						ND	
1,2,3-Trichloropropane	ug/L								ND	
1,2,3,4,6,7,8-HeptaCDD	pg/L		ND (1)						DNQ Est. Conc. 1.7	
1,2,3,4,6,7,8-HeptaCDF	pg/L		DNQ Est. Conc. 0.67 (2)						ND (1)	
1,2,3,4,7,8-HexaCDD	pg/L		ND (1)						DNQ Est. Conc. 2.3	
1,2,3,4,7,8-HexaCDF	pg/L		ND						DNQ Est. Conc. 1.4	
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND						ND (1)	
1,2,3,6,7,8-HexaCDD	pg/L		ND						DNQ Est. Conc. 1.2	
1,2,3,6,7,8-HexaCDF	pg/L		ND						DNQ Est. Conc. 1.3	
1,2,3,7,8-PentaCDD	pg/L		ND						DNQ Est. Conc. 0.64	
1,2,3,7,8-PentaCDF	pg/L		ND						DNQ Est. Conc. 1.3	
1,2,3,7,8,9-HexaCDD	pg/L		ND						DNQ Est. Conc. 1.1	
1,2,3,7,8,9-HexaCDF	pg/L		ND (1)						ND (1)	
1,2,4-Trichlorobenzene	ug/L		ND		ND		ND		ND	
1,3-Dichlorobenzene	ug/L		ND		ND		ND		ND	
1,3-Dichloropropene (Total)	ug/L		ND		ND		ND		ND	
1,4-Dichlorobenzene	ug/L		ND		ND		ND		ND	
1,4-Dioxane	ug/L								1.1	
2-Chloroethyl vinyl ether (mixed)	ug/L		ND		ND		ND		ND	
2-Chloronaphthalene	ug/L		ND						ND	
2-Chlorophenol	ug/L		ND						ND	
2-Methyl-4,6-dinitrophenol	ug/L		ND						ND	
2-Nitrophenol	ug/L		ND				ND		ND	
2,3,4,6,7,8-HexaCDF	pg/L		ND						DNQ Est. Conc. 1.2	
2,3,4,7,8-PentaCDF	pg/L		ND						DNQ Est. Conc. 0.78	
2,3,7,8-TCDD	pg/L		ND				ND		ND	
2,3,7,8-TetraCDF	pg/L		ND						DNQ Est. Conc. 1.1	
2,4-Dichlorophenol	ug/L		ND						ND	
2,4-Dimethylphenol	ug/L		ND						ND	
2,4-Dinitrophenol	ug/L		ND						ND	
2,4-Dinitrotoluene	ug/L		ND						ND	
2,4,6-Trichlorophenol	ug/L		ND		ND		ND		ND	
2,6-Dinitrotoluene	ug/L		ND						ND	
3-Methyl-4-chlorophenol	ug/L		ND						ND	
3,3'-Dichlorobenzidine	ug/L		ND						ND	
4-Bromophenyl phenyl ether	ug/L		ND						ND	
4-Chlorophenyl phenyl ether	ug/L		ND						ND	
4-Nitrophenol	ug/L		ND						ND	
4,4'-DDD	ug/L		ND		ND		ND		ND	
4,4'-DDE	ug/L		ND		ND		ND		ND	
4,4'-DDT	ug/L		ND		ND		ND		ND	
Acenaphthene	ug/L		ND						ND	
Acenaphthylene	ug/L		ND						ND	
Acrolein	ug/L		ND						ND	
Acrylonitrile	ug/L		ND						ND	
Aldrin	ug/L		ND		ND		ND		ND	
alpha-BHC	ug/L		ND		ND		ND		ND	
Ammonia as nitrogen	mg/L	1.26	0.980	1.01	1.24	1.18	1.11	1.08	1.17	0.789

San Jose Creek East Water Reclamation Plant
2018 EFF-002 Monitoring Results

Parameter	Units	October *	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624	1	0.07 - 0.22	0.50
1,1-Dichloroethene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.13 - 0.43	0.50
1,1,1-Trichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.07 - 0.21	0.50
1,1,2-Trichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.09 - 0.24	0.50
1,1,2,2-Tetrachloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624	1	0.10 - 0.13	0.50
1,2-Dichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.07 - 0.18	0.50
1,2-Dichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.11 - 0.22	0.50
1,2-Dichloropropane	ug/L	ND		ND	ND	ND	ND			EPA 624	1	0.09 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND			EPA 625	1	0.20	1.0
1,2,3-Trichloropropane	ug/L				ND	ND	ND			EPA 524.2 (TCP)		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L				ND (1)	ND (1)	DNQ Est. Conc. 1.7			EPA 1613B		0.20 - 0.21	51 - 53
1,2,3,4,6,7,8-HeptaCDF	pg/L				ND (1)	ND (1)	DNQ Est. Conc. 0.67 (2)			EPA 1613B		0.31 - 0.34	51 - 53
1,2,3,4,7,8-HexaCDD	pg/L				ND (1)	ND (1)	DNQ Est. Conc. 2.3			EPA 1613B		0.26 - 0.31	51 - 53
1,2,3,4,7,8-HexaCDF	pg/L				ND	ND	DNQ Est. Conc. 1.4			EPA 1613B		0.24 - 0.33	51 - 53
1,2,3,4,7,8,9-HeptaCDF	pg/L				ND (1)	ND (1)	ND (1)			EPA 1613B		0.37 - 0.41	51 - 53
1,2,3,6,7,8-HexaCDD	pg/L				ND	ND	DNQ Est. Conc. 1.2			EPA 1613B		0.24 - 0.28	51 - 53
1,2,3,6,7,8-HexaCDF	pg/L				ND	ND	DNQ Est. Conc. 1.3			EPA 1613B		0.22 - 0.32	51 - 53
1,2,3,7,8-PentaCDD	pg/L				ND	ND	DNQ Est. Conc. 0.64			EPA 1613B		0.29 - 0.46	51 - 53
1,2,3,7,8-PentaCDF	pg/L				ND	ND	DNQ Est. Conc. 1.3			EPA 1613B		0.21 - 0.29	51 - 53
1,2,3,7,8,9-HexaCDD	pg/L				ND	ND	DNQ Est. Conc. 1.1			EPA 1613B		0.23 - 0.27	51 - 53
1,2,3,7,8,9-HexaCDF	pg/L				ND (1)	ND (1)	ND (1)			EPA 1613B		0.17 - 0.19	51 - 53
1,2,4-Trichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 625	5	0.19	5.0
1,3-Dichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.08 - 0.21	0.50
1,3-Dichloropropene (Total)	ug/L	ND		ND	ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.07 - 0.18	0.50
1,4-Dioxane	ug/L				1.1	1.1	1.1			SW-846 8270MOD 1,4-Dioxane		0.13	0.40
2-Chloroethyl vinyl ether (mixed)	ug/L	ND		ND	ND	ND	ND			EPA 624	1	0.12 - 0.29	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND			EPA 625	10	0.13	10.0
2-Chlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.18	5.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND			EPA 625	5	0.92	5.0
2-Nitrophenol	ug/L			ND	ND	ND	ND			EPA 625	10	0.10	10.0
2,3,4,6,7,8-HexaCDF	pg/L				ND	ND	DNQ Est. Conc. 1.2			EPA 1613B		0.17 - 0.30	51 - 53
2,3,4,7,8-PentaCDF	pg/L				ND	ND	DNQ Est. Conc. 0.78			EPA 1613B		0.22 - 0.31	51 - 53
2,3,7,8-TCDD	pg/L			ND	ND	ND	ND			EPA 1613B		0.18 - 1.1	10 - 11
2,3,7,8-TetraCDF	pg/L				ND	ND	DNQ Est. Conc. 1.1			EPA 1613B		0.12 - 0.22	10 - 11
2,4-Dichlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.63	5.0
2,4-Dimethylphenol	ug/L				ND	ND	ND			EPA 625	2	0.88	2.0
2,4-Dinitrophenol	ug/L				ND	ND	ND			EPA 625	5	2.8	5.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625	5	0.27	5.0
2,4,6-Trichlorophenol	ug/L	ND		ND	ND	ND	ND			EPA 625	10	0.21	10.0
2,6-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625	5	0.28	5.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND			EPA 625	1	0.44	1.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND			EPA 625	5	0.81	5.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625	5	0.27	5.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625	5	0.32	5.0
4-Nitrophenol	ug/L				ND	ND	ND			EPA 625	10	1.3	10.0
4,4'-DDD	ug/L	ND		ND	ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L	ND		ND	ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDT	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L				ND	ND	ND			EPA 625	1	0.22	1.0
Acenaphthylene	ug/L				ND	ND	ND			EPA 625	10	0.19	10.0
Acrolein	ug/L				ND	ND	ND			EPA 624		0.93 - 1.6	2.0
Acrylonitrile	ug/L				ND	ND	ND			EPA 624		0.79 - 0.92	2.0
Aldrin	ug/L	ND		ND	ND	ND	ND			EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.0005 - 0.002	0.01
Ammonia as nitrogen	mg/L	1.12	1.08	1.02	0.789	1.09	1.26	6.1(3)/7.8(4)	4.2(3)/5.4(4)	SM 4500 NH3 G		0.020	0.100 - 0.200

San Jose Creek East Water Reclamation Plant
2018 EFF-002 Monitoring Results

Parameter	Units	January *	February	March	April *	May	June	July	August	September *
Anthracene	ug/L		ND						ND	
Antimony	ug/L		0.56				0.64		0.64	
Aroclor 1016	ug/L		ND		ND				ND	
Aroclor 1221	ug/L		ND		ND				ND	
Aroclor 1232	ug/L		ND		ND				ND	
Aroclor 1242	ug/L		ND		ND		ND		ND	
Aroclor 1248	ug/L		ND		ND				ND	
Aroclor 1254	ug/L		ND		ND		ND		ND	
Aroclor 1260	ug/L		ND		ND				ND	
Arsenic	ug/L		1.00				1.37		1.30	
Barium	ug/L		68.0				74.0		66.4	
Benzene	ug/L		ND		ND		ND		ND	
Benzidine	ug/L		ND						ND	
Benzo(a)anthracene	ug/L		ND						ND	
Benzo(a)pyrene	ug/L		ND				ND		ND	
Benzo(b)fluoranthene	ug/L		ND						ND	
Benzo(g,h,i)perylene	ug/L		ND						ND	
Benzo(k)fluoranthene	ug/L		ND						ND	
Beryllium	ug/L		ND				ND		ND	
beta-BHC	ug/L		ND		ND		ND		ND	
bis(2-Chloroethoxy) methane	ug/L		ND						ND	
bis(2-Chloroethyl) ether	ug/L		ND						ND	
bis(2-Chloroisopropyl) ether	ug/L		ND						ND	
bis(2-Ethylhexyl) phthalate	ug/L		ND		ND		ND		ND	
Boron	mg/L	0.29	0.29	0.31	0.29	0.28	0.34	0.35	0.33	0.33
Bromodichloromethane	ug/L	20.5	21.8	16.7	19.0	15.2	19.1	20.6	18.7	16.4
Bromoform	ug/L	DNQ Est. Conc. 0.43	0.60	0.53	DNQ Est. Conc. 0.43	DNQ Est. Conc. 0.25	DNQ Est. Conc. 0.26	DNQ Est. Conc. 0.41	DNQ Est. Conc. 0.32	DNQ Est. Conc. 0.36
Butyl benzyl phthalate	ug/L		ND						ND	
Cadmium	ug/L		ND				ND		DNQ Est. Conc. 0.040	
Carbon tetrachloride	ug/L		ND		ND		ND		ND	
Chloride	mg/L	130	135	150	140	156	140	136	148	148
Chlorobenzene	ug/L		ND		ND		ND		ND	
Chlorodibromomethane	ug/L	5.6	7.3	6.8	5.5	4.2	4.8	5.0	5.9	5.2
Chloroethane	ug/L		ND		ND		ND		ND	
Chloroform	ug/L	45.0	42.8	25.3	29.9	26.8	38.9	34.8	36.6	31.1
Chlorpyrifos	ug/L								ND	
Chromium III	ug/L		0.76				0.72		0.57	
Chromium VI	ug/L		0.08				0.12		0.16	
Chromium, total (24-hour composite)	ug/L		1.19				0.83		0.79	
Chromium, total (grab)	ug/L		0.84				0.84		0.73	
Chrysene	ug/L		ND						ND	
Copper	ug/L		4.28			3.95	2.90		3.20	
delta-BHC	ug/L		ND		ND		ND		ND	
Di-n-butyl phthalate	ug/L		ND						ND	
Di-n-octyl phthalate	ug/L		ND						ND	
Diazinon	ug/L		ND						ND	
Dibenzo(a,h)anthracene	ug/L		ND						ND	
Dieldrin	ug/L		DNQ Est. Conc. 0.008		ND		ND		ND	
Diethyl phthalate	ug/L		ND						DNQ Est. Conc. 0.36	
Dimethyl phthalate	ug/L		ND						ND	
Dissolved oxygen	mg/L	7.4	6.7	7.6	7.4	7.2	7.2	6.5	5.8	6.4
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	ug/L		ND						ND	
Endosulfan I	ug/L		ND						ND	
Endosulfan sulfate	ug/L		ND						ND	
Endrin aldehyde	ug/L		ND						ND	

San Jose Creek East Water Reclamation Plant
2018 EFF-002 Monitoring Results

Parameter	Units	October *	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Anthracene	ug/L				ND	ND	ND			EPA 625	10	0.19	10.0
Antimony	ug/L			0.54	0.54	0.60	0.64			EPA 200.8	0.5	0.07 - 0.32	0.50
Aroclor 1016	ug/L	ND			ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1221	ug/L	ND			ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L	ND			ND	ND	ND			EPA 608	0.5	0.09 - 0.2	0.3
Aroclor 1242	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.08	0.1
Aroclor 1248	ug/L	ND			ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1254	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.01 - 0.03	0.05
Aroclor 1260	ug/L	ND			ND	ND	ND			EPA 608	0.5	0.01 - 0.05	0.1
Arsenic	ug/L			1.57	1.00	1.31	1.57			EPA 200.8	2	0.06 - 0.14	1.00
Barium	ug/L			68.3	66.4	69.2	74.0			EPA 200.8		0.06 - 0.08	0.50
Benzene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.10 - 0.15	0.50
Benzidine	ug/L				ND	ND	ND			EPA 625	5	1.8	5.0
Benzo(a)anthracene	ug/L				ND	ND	ND			EPA 625	5	0.14	5.0
Benzo(a)pyrene	ug/L			DNQ Est. Conc. 0.077	ND	ND	DNQ Est. Conc. 0.077			EPA 525.2 & EPA 610	10	0.007 - 0.070	0.020 - 0.10
Benzo(b)fluoranthene	ug/L				ND	ND	ND			EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L				ND	ND	ND			EPA 625	5	0.12	5.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND	0.098	0.049	EPA 610	10	0.005	0.020
Beryllium	ug/L			ND	ND	ND	ND			EPA 200.8	0.5	0.020 - 0.030	0.25
beta-BHC	ug/L	ND		ND	ND	ND	ND			EPA 608	0.005	0.002 - 0.004	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND			EPA 625	5	0.11	5.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND			EPA 625	1	0.20	1.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND			EPA 625	2	0.20	2.0
bis(2-Ethylhexyl) phthalate	ug/L	ND		ND	ND	ND	ND			EPA 625	5	0.16	2.0
Boron	mg/L	0.32	0.30	0.29	0.28	0.31	0.35		1	EPA 200.8		0.008	0.020
Bromodichloromethane	ug/L	18.7	28.1	21.9	15.2	19.7	28.1			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L	0.67	0.99	0.84	DNQ Est. Conc. 0.25	0.30	0.99			EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.12	10.0
Cadmium	ug/L			DNQ Est. Conc. 0.064	ND	ND	DNQ Est. Conc. 0.064			EPA 200.8	0.25	0.010 - 0.031	0.20
Carbon tetrachloride	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.11 - 0.28	0.50
Chloride	mg/L	145	145	167	130	145	167		180	EPA 300.0		0.040 - 0.100	10.0
Chlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.08 - 0.13	0.50
Chlorodibromomethane	ug/L	4.7	9.0	8.1	4.2	6.0	9.0			EPA 624	2	0.08 - 0.22	0.50
Chloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L	35.3	40.1	28.3	25.3	34.6	45.0			EPA 624	2	0.09 - 0.18	0.50
Chlorpyrifos	ug/L				ND	ND	ND			SW-846 8141A		0.003 - 0.0060	0.05 - 0.10
Chromium III	ug/L			0.84	0.57	0.72	0.84			EPA 200.8			0.50
Chromium VI	ug/L			0.07	0.07	0.1	0.16			EPA 218.6 (Dissolved)		0.01 - 0.02	0.05
Chromium, total (24-hour composite)	ug/L			0.61	0.61	0.86	1.19			EPA 200.8	0.5	0.10 - 0.11	0.50
Chromium, total (grab)	ug/L			0.91	0.73	0.83	0.91			EPA 200.8	0.5	0.10 - 0.11	0.50
Chrysene	ug/L				ND	ND	ND	0.098	0.049	EPA 610	10	0.005	0.020
Copper	ug/L		3.30	4.32	2.90	3.66	4.32			EPA 200.8	0.5	0.05 - 0.11	0.50
delta-BHC	ug/L	ND		ND	ND	ND	ND			EPA 608	0.005	0.001 - 0.004	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.12	10.0
Di-n-octyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.11	10.0
Diazinon	ug/L				ND	ND	ND			EPA 525.2 & SW-846 8141A		0.004 - 0.11	0.05 - 0.11
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	0.098	0.049	EPA 610	10	0.004	0.020
Dieldrin	ug/L	ND		ND	ND	ND	DNQ Est. Conc. 0.008			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				ND	ND	DNQ Est. Conc. 0.36			EPA 625	2	0.26	2.0
Dimethyl phthalate	ug/L				ND	ND	ND			EPA 625	2	0.28	2.0
Dissolved oxygen	mg/L	4.5	7.1	6.4	4.5	6.7	7.6			HACH 10360 LDO			
E. coli	No./100mL	ND	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1.0
Endosulfan II	ug/L				ND	ND	ND			EPA 608	0.01	0.003	0.01
Endosulfan I	ug/L				ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L				ND	ND	ND			EPA 608	0.05	0.002	0.01
Endrin aldehyde	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01

San Jose Creek East Water Reclamation Plant
2018 EFF-002 Monitoring Results

Parameter	Units	January *	February	March	April *	May	June	July	August	September *
Endrin	ug/L		ND		ND		ND		DNQ Est. Conc. 0.008	
Ethylbenzene	ug/L		ND		ND		ND		ND	
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L		ND		ND		ND		ND	
Fluorene	ug/L		ND						ND	
Fluoride	mg/L		0.443		0.440		0.443		0.455	
gamma-BHC (Lindane)	ug/L		ND		ND		ND		DNQ Est. Conc. 0.008	
Gross alpha radioactivity	pCi/L		0.727				2.64		3.18	
Gross beta radioactivity	pCi/L		14.0				12.5		10.7	
Heptachlor epoxide	ug/L		ND		ND		ND		ND	
Heptachlor	ug/L		ND		ND		ND		ND	
Hexachlorobenzene	ug/L		ND				ND		ND	
Hexachlorobutadiene	ug/L		ND						ND	
Hexachlorocyclopentadiene	ug/L		ND				ND		ND	
Hexachloroethane	ug/L		ND						ND	
Indeno (1,2,3-cd) pyrene	ug/L		ND						ND	
Iron	ug/L		48				42		46	
Isophorone	ug/L		ND						ND	
Lead	ug/L	0.45	0.26	0.27	DNQ Est. Conc. 0.23	DNQ Est. Conc. 0.19	0.29	0.25	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.17
Mercury	ug/L		0.0039				0.0014		0.0013	
Methyl bromide (Bromomethane)	ug/L		ND		ND		ND		ND	
Methyl chloride (Chloromethane)	ug/L		ND		ND		DNQ Est. Conc. 0.34		ND	
Methyl tert-butyl ether (MTBE)	ug/L		ND				ND		ND	
Methylene chloride	ug/L		DNQ Est. Conc. 0.23		ND		ND		DNQ Est. Conc. 0.23	
n-Nitrosodi-n-propylamine	ug/L		ND						ND	
n-Nitrosodimethylamine (NDMA)	ug/L	0.028	0.036	0.054	0.055	0.040	0.032	0.040	0.045	0.081
n-Nitrosodiphenylamine	ug/L		ND						ND	
Naphthalene	ug/L		ND						ND	
Nickel	ug/L		4.06				4.69		3.17	
Nitrate + nitrite as nitrogen	mg/L	7.65	7.23	5.91	6.33	5.89	5.05	5.44	4.25	7.35
Nitrate as nitrogen	mg/L	7.61	7.21	5.91	6.31	5.86	5.03	5.44	4.23	7.33
Nitrite as nitrogen	mg/L	0.041	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ug/L		ND						ND	
OctaCDD	pg/L		ND (1)						DNQ Est. Conc. 13	
OctaCDF	pg/L		ND (1)						DNQ Est. Conc. 4.8	
Oil and grease	mg/L		ND			ND			ND	
Organic nitrogen	mg/L	1.10	1.08	1.34	1.81	0.948	1.72	1.80	1.23	1.73
Orthophosphate-P	mg/L	0.198	0.169	0.115	0.173	0.159	0.164	0.189	0.349	0.359
PCB-129/138/163	pg/L								ND (1)	
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 13 (1)	
PCB-90/101/113	pg/L								ND (1)	
PCB-105	pg/L								DNQ Est. Conc. 3.7	
PCB-114	pg/L								ND	
PCB-118	pg/L								ND (1)	
PCB-123	pg/L								ND	
PCB-126	pg/L								ND	
PCB-158	pg/L								DNQ Est. Conc. 1.4	
PCB-167	pg/L								ND	
PCB-169	pg/L								ND	
PCB-170	pg/L								ND	
PCB-177	pg/L								ND	
PCB-183	pg/L								DNQ Est. Conc. 0.96	
PCB-187	pg/L								DNQ Est. Conc. 1.6	
PCB-189	pg/L								ND	
PCB-194	pg/L								ND	
PCB-201	pg/L								ND	

San Jose Creek East Water Reclamation Plant
2018 EFF-002 Monitoring Results

Parameter	Units	October *	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Endrin	ug/L	ND		ND	ND	ND	DNQ Est. Conc. 0.008			EPA 608	0.01	0.001 - 0.002	0.01
Ethylbenzene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.10 - 0.18	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND			SM 9222D		1	1
Fluoranthene	ug/L	ND		ND	ND	ND	ND			EPA 625	1	0.24	1.0
Fluorene	ug/L				ND	ND	ND			EPA 625	10	0.35	10.0
Fluoride	mg/L	0.464		0.388	0.388	0.439	0.464			SM 4500 F C		0.004	0.100
gamma-BHC (Lindane)	ug/L	ND		ND	ND	ND	DNQ Est. Conc. 0.008			EPA 608	0.02	0.0009 - 0.001	0.01
Gross alpha radioactivity	pCi/L			ND	ND	1.64	3.18			EPA 900.0		1.88 - 5.05	1.88 - 5.05
Gross beta radioactivity	pCi/L			11.1	10.7	12.1	14.0			EPA 900.0		2.28 - 3.46	2.28 - 4.00
Heptachlor epoxide	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.0008 - 0.001	0.01
Hexachlorobenzene	ug/L			ND	ND	ND	ND			EPA 508.1 & EPA 625	1	0.015 - 0.17	0.25 - 1.0
Hexachlorobutadiene	ug/L				ND	ND	ND			EPA 625	1	0.33	1.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	ND			EPA 508.1 & EPA 625	5	0.070 - 0.53	0.25 - 5.0
Hexachloroethane	ug/L				ND	ND	ND			EPA 625	1	0.13	1.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	0.098	0.049	EPA 610	10	0.004	0.020
Iron	ug/L			39	39	44	48			EPA 200.8		3	20
Isophorone	ug/L				ND	ND	ND			EPA 625	1	0.11	1.0
Lead	ug/L	DNQ Est. Conc. 0.21	0.35	0.42	DNQ Est. Conc. 0.17	0.19	0.45	166 (5)		EPA 200.8	0.5	0.01	0.25
Mercury	ug/L			0.0023	0.0013	0.0022	0.0039			EPA 1631E		0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.20 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L	ND		ND	ND	ND	DNQ Est. Conc. 0.34			EPA 624	2	0.06 - 0.19	0.50
Methyl tert-butyl ether (MTBE)	ug/L			ND	ND	ND	ND			EPA 624		0.08 - 0.21	0.50
Methylene chloride	ug/L	0.50		ND	ND	0.083	0.50			EPA 624	2	0.18 - 0.20	0.50
n-Nitrosodi-n-propylamine	ug/L	ND	ND	ND	ND	ND	ND			EPA 1625 (Modified) & EPA 625	5	0.0006 - 0.50	0.0020 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.044	0.051	0.048	0.028	0.046	0.081			EPA 1625 (Modified)	5	0.0005	0.0020
n-Nitrosodiphenylamine	ug/L	ND	ND	ND	ND	ND	ND			EPA 1625 (Modified) & EPA 625	1	0.0013 - 0.28	0.010 - 1.0
Naphthalene	ug/L				ND	ND	ND			EPA 625	1	0.13	1.0
Nickel	ug/L			3.60	3.17	3.88	4.69			EPA 200.8	1	0.07 - 0.12	1.00
Nitrate + nitrite as nitrogen	mg/L	5.49	5.89	5.20	4.25	5.97	7.65		8	SM 4500 NO3 F		0.030 - 0.040	0.200
Nitrate as nitrogen	mg/L	5.46	5.85	5.17	4.23	5.95	7.61			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	ND	0.037	ND	ND	0.0065	0.041		1	SM 4500 NO3 F		0.003 - 0.009	0.030
Nitrobenzene	ug/L				ND	ND	ND			EPA 625	1	0.17	1.0
OctaCDD	pg/L				ND (1)	ND (1)	DNQ Est. Conc. 13			EPA 1613B		0.21 - 0.37	100 - 110
OctaCDF	pg/L				ND (1)	ND (1)	DNQ Est. Conc. 4.8			EPA 1613B		0.27 - 0.28	100 - 110
Oil and grease	mg/L		ND		ND	ND	ND	15	10	EPA 1664A		1.2	4.4 - 4.8
Organic nitrogen	mg/L	0.561	1.36	0.886	0.561	1.30	1.81			EPA 351.2 & SM 4500 NH3 G		0.050 - 0.135	0.200
Orthophosphate-P	mg/L	0.270	0.325	0.982	0.115	0.288	0.982			EPA 365.1		0.001 - 0.025	0.030
PCB-129/138/163	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		0.72	600
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 13 (1)	ND	DNQ Est. Conc. 13 (1)			EPA 1668		0.94	800
PCB-90/101/113	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		1.0	600
PCB-105	pg/L				DNQ Est. Conc. 3.7	ND	DNQ Est. Conc. 3.7			EPA 1668		1.1	20
PCB-114	pg/L				ND	ND	ND			EPA 1668		1.0	20
PCB-118	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		0.96	20
PCB-123	pg/L				ND	ND	ND			EPA 1668		1.0	20
PCB-126	pg/L				ND	ND	ND			EPA 1668		1.1	20
PCB-158	pg/L				DNQ Est. Conc. 1.4	ND	DNQ Est. Conc. 1.4			EPA 1668		0.55	200
PCB-167	pg/L				ND	ND	ND			EPA 1668		0.56	20
PCB-169	pg/L				ND	ND	ND			EPA 1668		0.59	20
PCB-170	pg/L				ND	ND	ND			EPA 1668		0.55	200
PCB-177	pg/L				ND	ND	ND			EPA 1668		0.55	200
PCB-183	pg/L				DNQ Est. Conc. 0.96	ND	DNQ Est. Conc. 0.96			EPA 1668		0.45	200
PCB-187	pg/L				DNQ Est. Conc. 1.6	ND	DNQ Est. Conc. 1.6			EPA 1668		0.68	200
PCB-189	pg/L				ND	ND	ND			EPA 1668		0.45	20
PCB-194	pg/L				ND	ND	ND			EPA 1668		0.61	200
PCB-201	pg/L				ND	ND	ND			EPA 1668		0.46	200

San Jose Creek East Water Reclamation Plant
2018 EFF-002 Monitoring Results

Parameter	Units	January *	February	March	April *	May	June	July	August	September *
PCB-206	pg/L								ND	
PCB-37	pg/L								DNQ Est. Conc. 3.5	
PCB-52	pg/L								DNQ Est. Conc. 18 (1)	
PCB-66	pg/L								DNQ Est. Conc. 5.6	
PCB-77	pg/L								ND	
PCB-81	pg/L								ND	
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 9.0	
PCB-99	pg/L								DNQ Est. Conc. 4.5	
PCB-110/115	pg/L								ND (1)	
PCB-128/166	pg/L								DNQ Est. Conc. 1.1	
PCB-135/151	pg/L								ND (1)	
PCB-147/149	pg/L								ND (1)	
PCB-153/168	pg/L								DNQ Est. Conc. 4.8	
PCB-156/157	pg/L								ND	
PCB-18/30	pg/L								DNQ Est. Conc. 16 (1)	
PCB-180/193	pg/L								ND (1)	
PCB-20/28	pg/L								DNQ Est. Conc. 16 (1)	
PCB-44/47/65	pg/L								ND (1)	
PCB-49/69	pg/L								DNQ Est. Conc. 4.6	
Pentachlorophenol	ug/L		ND		ND		ND		ND	
Perchlorate	ug/L	0.27	0.49	0.21	0.43	0.22	0.28	0.47	0.19	0.43
pH (Reuse)	SU	6.9	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
pH (SJC)	SU		6.9	7.0		6.9	7.0	7.0	7.1	
Phenanthrene	ug/L		ND		ND		ND		ND	
Phenol	ug/L		DNQ Est. Conc. 0.18		ND		ND		DNQ Est. Conc. 0.18	
Pyrene	ug/L		ND						ND	
Radium-226 + radium-228	pCi/L								ND	
Selenium	ug/L	DNQ Est. Conc. 0.34	DNQ Est. Conc. 0.33	DNQ Est. Conc. 0.36	DNQ Est. Conc. 0.40	DNQ Est. Conc. 0.56	DNQ Est. Conc. 0.34	DNQ Est. Conc. 0.26	DNQ Est. Conc. 0.21	DNQ Est. Conc. 0.23
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L		ND				ND		ND	
Strontium-90	pCi/L		0.277				ND		ND	
Sulfate	mg/L	81.7	78.5	85.6	89.5	136	121	101	115	112
Surfactant (CTAS)	mg/L		ND			ND			ND	
Surfactant (MBAS)	mg/L		ND		ND	ND	ND		ND	
Technical Chlordane	ug/L		ND				ND		ND	
Temperature (SJC)	Degrees F		74.5	75.5		79.8	82.6	86.1	87.7	
Tetrachloroethene	ug/L		ND		ND		ND		ND	
Thallium	ug/L		ND				ND		ND	
Toluene	ug/L		DNQ Est. Conc. 0.15		ND		ND		DNQ Est. Conc. 0.45	
Total BOD 20C	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total chlorinated hydrocarbons (TICH)	ug/L		ND			ND			ND	
Total coliform (City of Industry)	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L		DNQ Est. Conc. 1.68			DNQ Est. Conc. 3.32			ND	
Total detectable PCB's (Sum of Congeners)	pg/L								ND	
Total detectable PCB's (Sum of Aroclors)	ug/L		ND		ND		ND		ND	
Total dissolved solids	mg/L	556	580	578	594	682	672	602	615	602
Total hardness (CaCO3)	mg/L	184	228	206	209	231	217	204	196	194
Total Kjeldahl Nitrogen (TKN)	mg/L	2.36	2.06	2.35	3.05	2.13	2.82	2.88	2.40	2.52
Total nitrogen	mg/L	10.0	9.29	8.26	9.38	8.02	7.88	8.32	6.65	9.87
Total phosphorus	mg/L	0.226	0.184	0.169	0.246	0.211	0.206	0.261	0.378	0.404
Total residual chlorine (SJC)	mg/L		ND	ND		ND	ND	ND	ND	
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total trihalomethanes	ug/L	71.5	72.5	49.3	54.4	46.2	57.0	60.4	61.2	52.7
Toxaphene	ug/L		ND		ND		ND		ND	
Toxic equivalence	pg/L		ND						ND	

San Jose Creek East Water Reclamation Plant
2018 EFF-002 Monitoring Results

Parameter	Units	October *	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
PCB-206	pg/L				ND	ND	ND			EPA 1668		1.4	200
PCB-37	pg/L				DNQ Est. Conc. 3.5	ND	DNQ Est. Conc. 3.5			EPA 1668		1.5	200
PCB-52	pg/L				DNQ Est. Conc. 18 (1)	ND	DNQ Est. Conc. 18 (1)			EPA 1668		0.98	200
PCB-66	pg/L				DNQ Est. Conc. 5.6	ND	DNQ Est. Conc. 5.6			EPA 1668		1.0	200
PCB-77	pg/L				ND	ND	ND			EPA 1668		1.2	20
PCB-81	pg/L				ND	ND	ND			EPA 1668		1.2	20
PCB-86/87/97/108/119/125	pg/L				DNQ Est. Conc. 9.0	ND	DNQ Est. Conc. 9.0			EPA 1668		1.0	1200
PCB-99	pg/L				DNQ Est. Conc. 4.5	ND	DNQ Est. Conc. 4.5			EPA 1668		1.0	200
PCB-110/115	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		0.91	400
PCB-128/166	pg/L				DNQ Est. Conc. 1.1	ND	DNQ Est. Conc. 1.1			EPA 1668		0.66	400
PCB-135/151	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		0.80	400
PCB-147/149	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		0.76	400
PCB-153/168	pg/L				DNQ Est. Conc. 4.8	ND	DNQ Est. Conc. 4.8			EPA 1668		0.59	400
PCB-156/157	pg/L				ND	ND	ND			EPA 1668		0.78	40
PCB-18/30	pg/L				DNQ Est. Conc. 16 (1)	ND	DNQ Est. Conc. 16 (1)			EPA 1668		1.1	400
PCB-180/193	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		0.43	400
PCB-20/28	pg/L				DNQ Est. Conc. 16 (1)	ND	DNQ Est. Conc. 16 (1)			EPA 1668		1.3	400
PCB-44/47/65	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		0.87	600
PCB-49/69	pg/L				DNQ Est. Conc. 4.6	ND	DNQ Est. Conc. 4.6			EPA 1668		0.76	400
Pentachlorophenol	ug/L	ND		ND	ND	ND	ND			EPA 625	5	0.62	1.0
Perchlorate	ug/L	0.82	0.61	0.18	0.18	0.38	0.82			EPA 331.0		0.0201	0.05
pH (Reuse)	SU	7.0	7.2	7.2	6.9	7.0	7.2			SM 4500 H+ B		1.00	1.00 - 4.00
pH (SJC)	SU		7.4	7.2	6.9	7.1	7.4			SM 4500 H+ B		1.00	1.00 - 4.00
Phenanthrene	ug/L	ND		ND	ND	ND	ND			EPA 625	5	0.31	5.0
Phenol	ug/L	DNQ Est. Conc. 0.23		ND	ND	ND	DNQ Est. Conc. 0.23			EPA 625	1	0.12	1.0
Pyrene	ug/L				ND	ND	ND			EPA 625	10	0.28	10.0
Radium-226 + radium-228	pCi/L			ND	ND	ND	ND			Drinking H2O Radium Sum Method			1.0
Selenium	ug/L	DNQ Est. Conc. 0.34	DNQ Est. Conc. 0.35	DNQ Est. Conc. 0.32	DNQ Est. Conc. 0.21	ND	DNQ Est. Conc. 0.56	6.5 (6)	4.6 (6)	EPA 200.8	2	0.02 - 0.04	1.00
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	0.3	0.1	SM 2540F		0.1	0.1
Silver	ug/L			ND	ND	ND	ND			EPA 200.8	0.25	0.02	0.20
Strontium-90	pCi/L			ND	ND	0.0693	0.277			EPA 905.0		0.246 - 0.283	0.283 - 3.00
Sulfate	mg/L	111	96.5	112	78.5	103	136		300	EPA 300.0		0.020 - 0.200	2.50
Surfactant (CTAS)	mg/L		ND		ND	ND	ND			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND	ND		0.5	SM 5540C		0.02 - 0.03	0.10
Technical Chlordane	ug/L			ND	ND	ND	ND			EPA 608	0.1	0.01 - 0.03	0.05
Temperature (SJC)	Degrees F		79.9	76.5	74.5	80.3	87.7	86 (7)		EPA 170.1 (oF)			
Tetrachloroethene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.16 - 0.25	0.50
Thallium	ug/L			ND	ND	ND	ND			EPA 200.8	1	0.010 - 0.015	0.25
Toluene	ug/L	DNQ Est. Conc. 0.12		ND	ND	ND	DNQ Est. Conc. 0.45			EPA 624	2	0.06 - 0.19	0.50
Total BOD 20C	mg/L	ND	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3
Total chlorinated hydrocarbons (TICH)	ug/L		ND		ND	ND	ND			EPA 608			
Total coliform (City of Industry)	No./100mL	ND	ND	ND	ND	ND	ND			SM 9222B		1	1
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	(8)	(8)	SM 9222B		1	1
Total cyanide	ug/L		DNQ Est. Conc. 2.21		ND	ND	DNQ Est. Conc. 3.32			SM 4500 CN E	5	1.00	5.00
Total detectable PCB's (Sum of Congeners)	pg/L				ND	ND	ND			EPA 1668			
Total detectable PCB's (Sum of Aroclors)	ug/L	ND		ND	ND	ND	ND			EPA 608			
Total dissolved solids	mg/L	628	630	676	556	618	682		750	SM 2540C		2.7	50.0 - 62.5
Total hardness (CaCO3)	mg/L	197	209	203	184	207	231			EPA 200.8 & SM 2340C			0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	1.66	2.44	1.90	1.66	2.38	3.05			EPA 351.2		0.130 - 0.135	0.200 - 1.00
Total nitrogen	mg/L	7.08	8.33	7.10	6.65	8.35	10.0			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.321	0.375	1.04	0.169	0.335	1.04			EPA 365.1		0.001 - 0.028	0.030
Total residual chlorine (SJC)	mg/L		ND	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.03 - 0.04	0.10
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Total trihalomethanes	ug/L	59.4	78.2	59.1	46.2	60.2	78.2		80	EPA 624			0.50
Toxaphene	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.04 - 0.08	0.5
Toxic equivalence	pg/L				ND	ND	ND			EPA 1613B			

San Jose Creek East Water Reclamation Plant
2018 EFF-002 Monitoring Results

Parameter	Units	January *	February	March	April *	May	June	July	August	September *
trans-1,2-Dichloroethene	ug/L		ND		ND		ND		ND	
Trichloroethene	ug/L		ND		ND		ND		ND	
Tritium	pCi/L		167				ND		ND	
Turbidity (flow proportioned avg daily value)	NTU	0.55	0.68	0.67	0.54	0.59	0.59	0.59	0.61	0.70
Uranium	pCi/L		0.000				0.886		ND	
Vinyl chloride	ug/L		ND		ND		ND		ND	
Zinc	ug/L		60.4				54.6		52.8	

San Jose Creek East Water Reclamation Plant
2018 EFF-002 Monitoring Results

Parameter	Units	October *	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
trans-1,2-Dichloroethene	ug/L	ND		ND	ND	ND	ND			EPA 624	1	0.09 - 0.45	0.50
Trichloroethene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.13 - 0.28	0.50
Tritium	pCi/L			ND	ND	41.8	167			EPA 906.0		296 - 434	434 - 500
Turbidity (flow proportioned avg daily value)	NTU	0.55	0.56	0.55	0.54	0.60	0.70	2		SM 2130B		0.12	0.12
Uranium	pCi/L			ND	ND	0.222	0.886			EPA 908.0		0.132 - 0.342	0.342 - 1.00
Vinyl chloride	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.20 - 0.37	0.50
Zinc	ug/L			89.8	52.8	64.4	89.8			EPA 200.8	1	0.60 - 0.70	1.00

* No discharge at EFF-002 during this month.

(1) Blank contamination observed.

(2) Possible interference observed. The measured ion ratio did not meet qualitative criteria for analysis and results are considered to be an estimated maximum possible concentration

(3) Effluent ammonia limit effective from April 1 to September 30.

(4) Effluent ammonia limit effective from October 1 to March 31.

(5) Wet weather effluent limit.

(6) Dry weather effluent limit.

(7) The temperature of wastes discharged shall not exceed 86° F except as a result of external ambient temperature.

(8) The number of total coliform bacteria shall not exceed 2.2/100 mL as a 7-day median, 23/100 mL in more than one sample within any 30-day period, and 240/100 mL in any sample.

San Jose Creek WRP, West, Influent Monitoring

San Jose Creek West Water Reclamation Plant
2018 INF-002 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
1,1-Dichloroethane	ug/L		ND						ND	
1,1-Dichloroethene	ug/L		ND						ND	
1,1,1-Trichloroethane	ug/L		ND						ND	
1,1,2-Trichloroethane	ug/L		ND						ND	
1,1,2,2-Tetrachloroethane	ug/L		ND						ND	
1,2-Dichlorobenzene	ug/L		ND						ND	
1,2-Dichloroethane	ug/L		ND						ND	
1,2-Dichloropropane	ug/L		ND						ND	
1,2-Diphenylhydrazine	ug/L		ND						ND	
1,2,4-Trichlorobenzene	ug/L		ND						ND	
1,3-Dichlorobenzene	ug/L		ND						ND	
1,3-Dichloropropene (Total)	ug/L		ND						ND	
1,4-Dichlorobenzene	ug/L		ND						DNQ Est. Conc. 0.09	
2-Chloroethyl vinyl ether (mixed)	ug/L		ND						ND	
2-Chloronaphthalene	ug/L		ND						ND	
2-Chlorophenol	ug/L		ND						ND	
2-Methyl-4,6-dinitrophenol	ug/L		ND						ND	
2-Nitrophenol	ug/L		ND						ND	
2,3,7,8-TCDD	pg/L		ND						ND	
2,4-Dichlorophenol	ug/L		ND						ND	
2,4-Dimethylphenol	ug/L		ND						ND	
2,4-Dinitrophenol	ug/L		ND						ND	
2,4-Dinitrotoluene	ug/L		ND						ND	
2,4,6-Trichlorophenol	ug/L		ND						ND	
2,6-Dinitrotoluene	ug/L		ND						ND	
3-Methyl-4-chlorophenol	ug/L		ND						ND	
3,3'-Dichlorobenzidine	ug/L		ND						ND	
4-Bromophenyl phenyl ether	ug/L		ND						ND	
4-Chlorophenyl phenyl ether	ug/L		ND						ND	
4-Nitrophenol	ug/L		ND						ND	
4,4'-DDD	ug/L		ND						ND	
4,4'-DDE	ug/L		ND						ND	
4,4'-DDT	ug/L		ND						ND	
Acenaphthene	ug/L		ND						ND	
Acenaphthylene	ug/L		ND						ND	
Acrolein	ug/L		ND						ND	
Acrylonitrile	ug/L		ND						ND	
Aldrin	ug/L		ND						ND	
alpha-BHC	ug/L		ND						ND	
Anthracene	ug/L		ND						ND	
Antimony	ug/L		0.74						0.56	
Aroclor 1016	ug/L								ND	
Aroclor 1221	ug/L								ND	
Aroclor 1232	ug/L								ND	
Aroclor 1242	ug/L								ND	
Aroclor 1248	ug/L								ND	
Aroclor 1254	ug/L								ND	
Aroclor 1260	ug/L								ND	
Arsenic	ug/L		1.61						1.58	
Benzene	ug/L		ND						ND	
Benzidine	ug/L		ND						ND	
Benzo(a)anthracene	ug/L		ND						ND	
Benzo(a)pyrene	ug/L		ND						ND	
Benzo(b)fluoranthene	ug/L		ND						ND	
Benzo(g,h,i)perylene	ug/L		ND						ND	
Benzo(k)fluoranthene	ug/L		ND						ND	
Beryllium	ug/L		ND						ND	

San Jose Creek West Water Reclamation Plant
2018 INF-002 Monitoring Results

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L				ND	ND	ND	EPA 624	1	0.07 - 0.22	0.50
1,1-Dichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.13 - 0.43	0.50
1,1,1-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.07 - 0.17	0.50
1,1,2-Trichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.10 - 0.24	0.50
1,1,2,2-Tetrachloroethane	ug/L				ND	ND	ND	EPA 624	1	0.10 - 0.13	0.50
1,2-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.12 - 0.18	0.50
1,2-Dichloroethane	ug/L				ND	ND	ND	EPA 624	2	0.22	0.50
1,2-Dichloropropane	ug/L				ND	ND	ND	EPA 624	1	0.09 - 0.11	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND	EPA 625	1	0.20	40.0
1,2,4-Trichlorobenzene	ug/L				ND	ND	ND	EPA 625	5	0.19	200
1,3-Dichlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.09 - 0.21	0.50
1,3-Dichloropropene (Total)	ug/L				ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L				ND	ND	DNQ Est. Conc. 0.09	EPA 624	2	0.07 - 0.18	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L				ND	ND	ND	EPA 624	1	0.16 - 0.29	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND	EPA 625	10	0.13	400
2-Chlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.18	200
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	0.92	200
2-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	0.10	400
2,3,7,8-TCDD	pg/L				ND	ND	ND	EPA 1613B		0.57 - 1.8	11 - 14
2,4-Dichlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.63	200
2,4-Dimethylphenol	ug/L				ND	ND	ND	EPA 625	2	0.88	80.0
2,4-Dinitrophenol	ug/L				ND	ND	ND	EPA 625	5	2.8	200
2,4-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.27	200
2,4,6-Trichlorophenol	ug/L				ND	ND	ND	EPA 625	10	0.21	400
2,6-Dinitrotoluene	ug/L				ND	ND	ND	EPA 625	5	0.28	200
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND	EPA 625	1	0.44	40.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND	EPA 625	5	0.81	200
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.27	200
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND	EPA 625	5	0.32	200
4-Nitrophenol	ug/L				ND	ND	ND	EPA 625	10	1.3	400
4,4'-DDD	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.05 - 0.10
4,4'-DDE	ug/L				ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.05 - 0.10
4,4'-DDT	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.05 - 0.10
Acenaphthene	ug/L				ND	ND	ND	EPA 625	1	0.22	40.0
Acenaphthylene	ug/L				ND	ND	ND	EPA 625	10	0.19	400
Acrolein	ug/L				ND	ND	ND	EPA 624		0.93 - 1.6	2.0
Acrylonitrile	ug/L				ND	ND	ND	EPA 624		0.79 - 0.92	2.0
Aldrin	ug/L				ND	ND	ND	EPA 608	0.005	0.002	0.02 - 0.05
alpha-BHC	ug/L				ND	ND	ND	EPA 608	0.01	0.0005 - 0.001	0.05 - 0.10
Anthracene	ug/L				ND	ND	ND	EPA 625	10	0.19	400
Antimony	ug/L				0.56	0.65	0.74	EPA 200.8	0.5	0.32	0.50
Aroclor 1016	ug/L				ND	ND	ND	EPA 608	0.5	0.03	1.0
Aroclor 1221	ug/L				ND	ND	ND	EPA 608	0.5	0.2	5.0
Aroclor 1232	ug/L				ND	ND	ND	EPA 608	0.5	0.1	3.0
Aroclor 1242	ug/L				ND	ND	ND	EPA 608	0.5	0.04	1.0
Aroclor 1248	ug/L				ND	ND	ND	EPA 608	0.5	0.03	1.0
Aroclor 1254	ug/L				ND	ND	ND	EPA 608	0.5	0.02	0.5
Aroclor 1260	ug/L				ND	ND	ND	EPA 608	0.5	0.02	1.0
Arsenic	ug/L				1.58	1.60	1.61	EPA 200.8	2	0.14	1.00
Benzene	ug/L				ND	ND	ND	EPA 624	2	0.10 - 0.11	0.50
Benzidine	ug/L				ND	ND	ND	EPA 625	5	1.8	200
Benzo(a)anthracene	ug/L				ND	ND	ND	EPA 625	5	0.14	200
Benzo(a)pyrene	ug/L				ND	ND	ND	EPA 625	10	0.19	400
Benzo(b)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.22	400
Benzo(g,h,i)perylene	ug/L				ND	ND	ND	EPA 625	5	0.12	200
Benzo(k)fluoranthene	ug/L				ND	ND	ND	EPA 625	10	0.19	400
Beryllium	ug/L				ND	ND	ND	EPA 200.8	0.5	0.030	0.25

San Jose Creek West Water Reclamation Plant
2018 INF-002 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
beta-BHC	ug/L		ND						0.49	
bis(2-Chloroethoxy) methane	ug/L		ND						ND	
bis(2-Chloroethyl) ether	ug/L		ND						ND	
bis(2-Chloroisopropyl) ether	ug/L		ND						ND	
bis(2-Ethylhexyl) phthalate	ug/L		ND						ND	
Bromodichloromethane	ug/L		ND						ND	
Bromoform	ug/L		DNQ Est. Conc. 0.18						ND	
Butyl benzyl phthalate	ug/L		ND						ND	
Cadmium	ug/L		DNQ Est. Conc. 0.17						DNQ Est. Conc. 0.14	
Carbon tetrachloride	ug/L		ND						ND	
Chlorobenzene	ug/L		ND						ND	
Chlorodibromomethane	ug/L		ND						ND	
Chloroethane	ug/L		ND						ND	
Chloroform	ug/L		2.4						0.88	
Chromium III	ug/L		7.54						5.49	
Chromium VI	ug/L		DNQ Est. Conc. 0.03						0.09	
Chromium, total	ug/L		7.74						5.50	
Chrysene	ug/L		ND						ND	
Copper	ug/L		107						69.4	
delta-BHC	ug/L		ND						ND	
Di-n-butyl phthalate	ug/L		ND						ND	
Di-n-octyl phthalate	ug/L		ND						ND	
Dibenzo(a,h)anthracene	ug/L		ND						ND	
Dieldrin	ug/L		ND						ND	
Diethyl phthalate	ug/L		ND						DNQ Est. Conc. 11.7	
Dimethyl phthalate	ug/L		ND						ND	
Endosulfan II	ug/L		ND						ND	
Endosulfan I	ug/L		ND						ND	
Endosulfan sulfate	ug/L		ND						ND	
Endrin aldehyde	ug/L		ND						DNQ Est. Conc. 0.02	
Endrin	ug/L		ND						ND	
Ethylbenzene	ug/L		ND						ND	
Fluoranthene	ug/L		ND						ND	
Fluorene	ug/L		ND						ND	
gamma-BHC (Lindane)	ug/L		ND						ND	
Heptachlor epoxide	ug/L		ND						ND	
Heptachlor	ug/L		ND						ND	
Hexachlorobenzene	ug/L		ND						ND	
Hexachlorobutadiene	ug/L		ND						ND	
Hexachlorocyclopentadiene	ug/L		ND						ND	
Hexachloroethane	ug/L		ND						ND	
Indeno (1,2,3-cd) pyrene	ug/L		ND						ND	
Isophorone	ug/L		ND						ND	
Lead	ug/L	3.25	2.39	0.85	2.12	0.87	0.70	2.64	1.09	0.64
Mercury	ug/L		0.05						0.51	
Methyl bromide (Bromomethane)	ug/L		ND						ND	
Methyl chloride (Chloromethane)	ug/L		ND						ND	
Methylene chloride	ug/L		1.0						DNQ Est. Conc. 0.29	
n-Nitrosodi-n-propylamine	ug/L		ND						ND	
n-Nitrosodimethylamine (NDMA)	ug/L		ND						ND	
n-Nitrosodiphenylamine	ug/L		ND						ND	
Naphthalene	ug/L		ND						ND	
Nickel	ug/L		5.39						5.29	
Nitrobenzene	ug/L		ND						ND	
P129/138/163	pg/L								DNQ Est. Conc. 410 (1)	
P61/70/74/76	pg/L								DNQ Est. Conc. 450 (1)	
P90/101/113	pg/L								DNQ Est. Conc. 480 (1)	

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
beta-BHC	ug/L				ND	0.25	0.49	EPA 608	0.005	0.003 - 0.004	0.02 - 0.05
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND	EPA 625	5	0.11	200
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND	EPA 625	1	0.20	40.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND	EPA 625	2	0.20	80.0
bis(2-Ethylhexyl) phthalate	ug/L				ND	ND	ND	EPA 625	5	0.16	80.0
Bromodichloromethane	ug/L				ND	ND	ND	EPA 624	2	0.09 - 0.14	0.50
Bromoform	ug/L				ND	ND	DNQ Est. Conc. 0.18	EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.12	400
Cadmium	ug/L				DNQ Est. Conc. 0.14	ND	DNQ Est. Conc. 0.17	EPA 200.8	0.25	0.031	0.20
Carbon tetrachloride	ug/L				ND	ND	ND	EPA 624	2	0.11 - 0.17	0.50
Chlorobenzene	ug/L				ND	ND	ND	EPA 624	2	0.08 - 0.13	0.50
Chlorodibromomethane	ug/L				ND	ND	ND	EPA 624	2	0.08 - 0.22	0.50
Chloroethane	ug/L				ND	ND	ND	EPA 624	2	0.22	0.50
Chloroform	ug/L				0.88	1.6	2.4	EPA 624	2	0.09 - 0.14	0.50
Chromium III	ug/L				5.49	6.52	7.54	EPA 200.8			0.50
Chromium VI	ug/L				DNQ Est. Conc. 0.03	0.05	0.09	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L				5.50	6.62	7.74	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L				ND	ND	ND	EPA 625	10	0.16	400
Copper	ug/L				69.4	88.2	107	EPA 200.8	0.5	0.11	0.50
delta-BHC	ug/L				ND	ND	ND	EPA 608	0.005	0.001 - 0.003	0.02 - 0.05
Di-n-butyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.12	400
Di-n-octyl phthalate	ug/L				ND	ND	ND	EPA 625	10	0.11	400
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	EPA 625	10	0.13	400
Dieldrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.05 - 0.10
Diethyl phthalate	ug/L				ND	ND	DNQ Est. Conc. 11.7	EPA 625	2	0.26	80.0
Dimethyl phthalate	ug/L				ND	ND	ND	EPA 625	2	0.28	80.0
Endosulfan II	ug/L				ND	ND	ND	EPA 608	0.01	0.003	0.05 - 0.10
Endosulfan I	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.05 - 0.10
Endosulfan sulfate	ug/L				ND	ND	ND	EPA 608	0.05	0.002	0.05 - 0.10
Endrin aldehyde	ug/L				ND	ND	DNQ Est. Conc. 0.02	EPA 608	0.01	0.001	0.05 - 0.10
Endrin	ug/L				ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.05 - 0.10
Ethylbenzene	ug/L				ND	ND	ND	EPA 624	2	0.10 - 0.12	0.50
Fluoranthene	ug/L				ND	ND	ND	EPA 625	1	0.24	40.0
Fluorene	ug/L				ND	ND	ND	EPA 625	10	0.35	400
gamma-BHC (Lindane)	ug/L				ND	ND	ND	EPA 608	0.02	0.001	0.05 - 0.10
Heptachlor epoxide	ug/L				ND	ND	ND	EPA 608	0.01	0.001	0.05 - 0.10
Heptachlor	ug/L				ND	ND	ND	EPA 608	0.01	0.0009 - 0.001	0.05 - 0.10
Hexachlorobenzene	ug/L				ND	ND	ND	EPA 625	1	0.17	40.0
Hexachlorobutadiene	ug/L				ND	ND	ND	EPA 625	1	0.33	40.0
Hexachlorocyclopentadiene	ug/L				ND	ND	ND	EPA 625	5	0.53	200
Hexachloroethane	ug/L				ND	ND	ND	EPA 625	1	0.13	40.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND	EPA 625	10	0.12	400
Isophorone	ug/L				ND	ND	ND	EPA 625	1	0.11	40.0
Lead	ug/L	2.09	2.37	2.23	0.64	1.8	3.25	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L				0.05	0.3	0.51	EPA 245.1	0.5	0.004 - 0.068	0.04 - 0.20
Methyl bromide (Bromomethane)	ug/L				ND	ND	ND	EPA 624	2	0.20 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L				ND	ND	ND	EPA 624	2	0.06 - 0.15	0.50
Methylene chloride	ug/L				DNQ Est. Conc. 0.29	0.50	1.0	EPA 624	2	0.19 - 0.20	0.50
n-Nitrosodi-n-propylamine	ug/L				ND	ND	ND	EPA 1625 (Modified) & EPA 625	5	0.0006 - 0.50	0.020 - 200
n-Nitrosodimethylamine (NDMA)	ug/L				ND	ND	ND	EPA 1625 (Modified) & EPA 625	5	0.0005 - 0.34	0.020 - 200
n-Nitrosodiphenylamine	ug/L				ND	ND	ND	EPA 1625 (Modified) & EPA 625	1	0.0013 - 0.28	0.10 - 40.0
Naphthalene	ug/L				ND	ND	ND	EPA 625	1	0.13	40.0
Nickel	ug/L				5.29	5.34	5.39	EPA 200.8	1	0.12	1.00
Nitrobenzene	ug/L				ND	ND	ND	EPA 625	1	0.17	40.0
P129/138/163	pg/L				DNQ Est. Conc. 410 (1)	ND	DNQ Est. Conc. 410 (1)	EPA 1668		2.9	900
P61/70/74/76	pg/L				DNQ Est. Conc. 450 (1)	ND	DNQ Est. Conc. 450 (1)	EPA 1668		3.8	1200
P90/101/113	pg/L				DNQ Est. Conc. 480 (1)	ND	DNQ Est. Conc. 480 (1)	EPA 1668		6.0	900

San Jose Creek West Water Reclamation Plant
2018 INF-002 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September
PCB-105	pg/L								160	
PCB-114	pg/L								DNQ Est. Conc. 8.4	
PCB-118	pg/L								370 (1)	
PCB-123	pg/L								DNQ Est. Conc. 12	
PCB-126	pg/L								ND	
PCB-158	pg/L								DNQ Est. Conc. 37	
PCB-167	pg/L								DNQ Est. Conc. 16	
PCB-169	pg/L								ND	
PCB-170	pg/L								DNQ Est. Conc. 71	
PCB-177	pg/L								DNQ Est. Conc. 56	
PCB-183	pg/L								DNQ Est. Conc. 60	
PCB-187	pg/L								DNQ Est. Conc. 120	
PCB-189	pg/L								DNQ Est. Conc. 3.1	
PCB-194	pg/L								DNQ Est. Conc. 47 (1)	
PCB-201	pg/L								DNQ Est. Conc. 7.0	
PCB-206	pg/L								DNQ Est. Conc. 24 (2)	
PCB-37	pg/L								DNQ Est. Conc. 64	
PCB-52	pg/L								350 (1)	
PCB-66	pg/L								DNQ Est. Conc. 200	
PCB-77	pg/L								DNQ Est. Conc. 19	
PCB-81	pg/L								ND	
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 300	
PCB-99	pg/L								DNQ Est. Conc. 170	
PCB110/115	pg/L								DNQ Est. Conc. 520 (1)	
PCB128/166	pg/L								DNQ Est. Conc. 40	
PCB135/151	pg/L								DNQ Est. Conc. 130 (1)	
PCB147/149	pg/L								DNQ Est. Conc. 310 (1)	
PCB153/168	pg/L								DNQ Est. Conc. 350	
PCB156/157	pg/L								DNQ Est. Conc. 46	
PCB18/30	pg/L								DNQ Est. Conc. 100 (1)	
PCB180/193	pg/L								DNQ Est. Conc. 220 (1)	
PCB20/28	pg/L								DNQ Est. Conc. 240 (1)	
PCB44/47/65	pg/L								DNQ Est. Conc. 250 (1)	
PCB49/69	pg/L								DNQ Est. Conc. 100	
Pentachlorophenol	ug/L		ND						ND	
Phenanthrene	ug/L		ND						ND	
Phenol	ug/L		DNQ Est. Conc. 27.6						52.8	
pH	SU	7.4	7.3	7.3	7.3	7.2	7.4	7.5	7.1	7.1
Pyrene	ug/L		ND						ND	
Selenium	ug/L	DNQ Est. Conc. 0.86	DNQ Est. Conc. 0.88	DNQ Est. Conc. 0.60	DNQ Est. Conc. 0.85	DNQ Est. Conc. 0.69	DNQ Est. Conc. 0.57	1.03	1.02	DNQ Est. Conc. 0.84
Silver	ug/L		0.80						0.29	
Technical Chlordane	ug/L		ND						ND	
Tetrachloroethene	ug/L		ND						ND	
Thallium	ug/L		ND						ND	
Toluene	ug/L		0.87						1.0	
Total BOD 20C	mg/L	946	329	331	311	271	1088	275	437	362
Total cyanide	ug/L		DNQ Est. Conc. 1.6						ND	
Total suspended solids	mg/L	420	369	489	383	1096	1121	337	640	360
Toxaphene	ug/L		ND						ND	
trans-1,2-Dichloroethene	ug/L		ND						ND	
Trichloroethene	ug/L		ND						ND	
Vinyl chloride	ug/L		ND						ND	
Zinc	ug/L		153						135	

Parameter	Units	October	November	December	Monthly Average			Method	ML	MDL	RDL
					Minimum	Average	Maximum				
PCB-105	pg/L				160	160	160	EPA 1668		6.1	30
PCB-114	pg/L				DNQ Est. Conc. 8.4	ND	DNQ Est. Conc. 8.4	EPA 1668		5.9	30
PCB-118	pg/L				370 (1)	370 (1)	370 (1)	EPA 1668		5.5	30
PCB-123	pg/L				DNQ Est. Conc. 12	ND	DNQ Est. Conc. 12	EPA 1668		6.1	30
PCB-126	pg/L				ND	ND	ND	EPA 1668		6.0	30
PCB-158	pg/L				DNQ Est. Conc. 37	ND	DNQ Est. Conc. 37	EPA 1668		2.2	300
PCB-167	pg/L				DNQ Est. Conc. 16	ND	DNQ Est. Conc. 16	EPA 1668		2.8	30
PCB-169	pg/L				ND	ND	ND	EPA 1668		3.2	30
PCB-170	pg/L				DNQ Est. Conc. 71	ND	DNQ Est. Conc. 71	EPA 1668		1.7	300
PCB-177	pg/L				DNQ Est. Conc. 56	ND	DNQ Est. Conc. 56	EPA 1668		1.7	300
PCB-183	pg/L				DNQ Est. Conc. 60	ND	DNQ Est. Conc. 60	EPA 1668		1.4	300
PCB-187	pg/L				DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668		1.6	300
PCB-189	pg/L				DNQ Est. Conc. 3.1	ND	DNQ Est. Conc. 3.1	EPA 1668		1.0	30
PCB-194	pg/L				DNQ Est. Conc. 47 (1)	ND	DNQ Est. Conc. 47 (1)	EPA 1668		1.2	300
PCB-201	pg/L				DNQ Est. Conc. 7.0	ND	DNQ Est. Conc. 7.0	EPA 1668		0.64	300
PCB-206	pg/L				DNQ Est. Conc. 24 (2)	ND	DNQ Est. Conc. 24 (2)	EPA 1668		2.1	300
PCB-37	pg/L				DNQ Est. Conc. 64	ND	DNQ Est. Conc. 64	EPA 1668		7.2	300
PCB-52	pg/L				350 (1)	350 (1)	350 (1)	EPA 1668		4.4	300
PCB-66	pg/L				DNQ Est. Conc. 200	ND	DNQ Est. Conc. 200	EPA 1668		4.1	300
PCB-77	pg/L				DNQ Est. Conc. 19	ND	DNQ Est. Conc. 19	EPA 1668		5.0	30
PCB-81	pg/L				ND	ND	ND	EPA 1668		4.4	30
PCB-86/87/97/108/119/125	pg/L				DNQ Est. Conc. 300	ND	DNQ Est. Conc. 300	#N/A		#N/A	#N/A
PCB-99	pg/L				DNQ Est. Conc. 170	ND	DNQ Est. Conc. 170	EPA 1668		6.1	300
PCB110/115	pg/L				DNQ Est. Conc. 520 (1)	ND	DNQ Est. Conc. 520 (1)	EPA 1668		5.4	600
PCB128/166	pg/L				DNQ Est. Conc. 40	ND	DNQ Est. Conc. 40	EPA 1668		2.6	600
PCB135/151	pg/L				DNQ Est. Conc. 130 (1)	ND	DNQ Est. Conc. 130 (1)	EPA 1668		3.2	600
PCB147/149	pg/L				DNQ Est. Conc. 310 (1)	ND	DNQ Est. Conc. 310 (1)	EPA 1668		3.0	600
PCB153/168	pg/L				DNQ Est. Conc. 350	ND	DNQ Est. Conc. 350	EPA 1668		2.4	600
PCB156/157	pg/L				DNQ Est. Conc. 46	ND	DNQ Est. Conc. 46	EPA 1668		4.0	60
PCB18/30	pg/L				DNQ Est. Conc. 100 (1)	ND	DNQ Est. Conc. 100 (1)	EPA 1668		1.7	600
PCB180/193	pg/L				DNQ Est. Conc. 220 (1)	ND	DNQ Est. Conc. 220 (1)	EPA 1668		1.3	600
PCB20/28	pg/L				DNQ Est. Conc. 240 (1)	ND	DNQ Est. Conc. 240 (1)	EPA 1668		5.6	600
PCB44/47/65	pg/L				DNQ Est. Conc. 250 (1)	ND	DNQ Est. Conc. 250 (1)	EPA 1668		3.9	900
PCB49/69	pg/L				DNQ Est. Conc. 100	ND	DNQ Est. Conc. 100	EPA 1668		3.4	600
Pentachlorophenol	ug/L				ND	ND	ND	EPA 625	5	0.62	40.0
Phenanthrene	ug/L				ND	ND	ND	EPA 625	5	0.31	200
Phenol	ug/L				DNQ Est. Conc. 27.6	26.4	52.8	EPA 625	1	0.12	40.0
pH	SU	7.2	7.3	7.5	7.1	7.3	7.5	SM 4500 H+ B		1.00	1.00 - 4.00
Pyrene	ug/L				ND	ND	ND	EPA 625	10	0.28	400
Selenium	ug/L	1.19	2.18	1.42	DNQ Est. Conc. 0.57	0.57	2.18	EPA 200.8	2	0.02 - 0.04	1.00
Silver	ug/L				0.29	0.55	0.80	EPA 200.8	0.25	0.02	0.20
Technical Chlordane	ug/L				ND	ND	ND	EPA 608	0.1	0.02 - 0.03	0.25 - 0.50
Tetrachloroethene	ug/L				ND	ND	ND	EPA 624	2	0.16 - 0.25	0.50
Thallium	ug/L				ND	ND	ND	EPA 200.8	1	0.015	0.25
Toluene	ug/L				0.87	0.94	1.0	EPA 624	2	0.06 - 0.08	0.50
Total BOD 20C	mg/L	329	363	381	271	452	1088	SM 5210B		0.6	120 - 3000
Total cyanide	ug/L				ND	ND	DNQ Est. Conc. 1.6	SM 4500 CN E	5	1.00	5.00
Total suspended solids	mg/L	365	334	457	334	531	1121	SM 2540D		2.5	83.3 - 250
Toxaphene	ug/L				ND	ND	ND	EPA 608	0.5	0.04 - 0.05	2.5 - 5.0
trans-1,2-Dichloroethene	ug/L				ND	ND	ND	EPA 624	1	0.09 - 0.45	0.50
Trichloroethene	ug/L				ND	ND	ND	EPA 624	2	0.13 - 0.25	0.50
Vinyl chloride	ug/L				ND	ND	ND	EPA 624	2	0.20 - 0.37	0.50
Zinc	ug/L				135	144	153	EPA 200.8	1	0.60	1.00

(1) Blank contamination observed.

(2) Possible interference observed. The measured ion ratio did not meet qualitative criteria for analysis and results are considered to be an estimated maximum possible concentration.

San Jose Creek WRP, West, Effluent Monitoring

San Jose Creek West Water Reclamation Plant
2018 EFF-003 Monitoring Results

Parameter	Units	January *	February *	March	April *	May *	June *	July *	August *	September *
1,1-Dichloroethane	ug/L		ND		ND		ND		ND	
1,1-Dichloroethene	ug/L		ND		ND		ND		ND	
1,1,1-Trichloroethane	ug/L		ND		ND		ND		ND	
1,1,2-Trichloroethane	ug/L		ND		ND		ND		ND	
1,1,2,2-Tetrachloroethane	ug/L		ND		ND		ND		ND	
1,2-Dichlorobenzene	ug/L		ND		ND		ND		ND	
1,2-Dichloroethane	ug/L		ND		ND		ND		ND	
1,2-Dichloropropane	ug/L		ND		ND		ND		ND	
1,2-Diphenylhydrazine	ug/L		ND						ND	
1,2,3-Trichloropropane	ug/L								ND	
1,2,3,4,6,7,8-HeptaCDD	pg/L		ND (1)						DNQ Est. Conc. 1.0	
1,2,3,4,6,7,8-HeptaCDF	pg/L		DNQ Est. Conc. 0.52 (2)						ND (1)(2)	
1,2,3,4,7,8-HexaCDD	pg/L		ND (1)						DNQ Est. Conc. 1.5	
1,2,3,4,7,8-HexaCDF	pg/L		ND						ND	
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND						ND (1)	
1,2,3,6,7,8-HexaCDD	pg/L		ND						ND	
1,2,3,6,7,8-HexaCDF	pg/L		ND						DNQ Est. Conc. 0.45 (2)	
1,2,3,7,8-PentaCDD	pg/L		ND						ND	
1,2,3,7,8-PentaCDF	pg/L		ND						DNQ Est. Conc. 0.64 (2)	
1,2,3,7,8,9-HexaCDD	pg/L		ND						ND	
1,2,3,7,8,9-HexaCDF	pg/L		ND (1)						ND (1)	
1,2,4-Trichlorobenzene	ug/L		ND		ND		ND		ND	
1,3-Dichlorobenzene	ug/L		ND		ND		ND		ND	
1,3-Dichloropropene (Total)	ug/L		ND		ND		ND		ND	
1,4-Dichlorobenzene	ug/L		ND		ND		ND		ND	
1,4-Dioxane	ug/L								1.1	
2-Chloroethyl vinyl ether (mixed)	ug/L		ND		ND		ND		ND	
2-Chloronaphthalene	ug/L		ND						ND	
2-Chlorophenol	ug/L		ND						ND	
2-Methyl-4,6-dinitrophenol	ug/L		ND						ND	
2-Nitrophenol	ug/L		ND				ND		ND	
2,3,4,6,7,8-HexaCDF	pg/L		ND						ND	
2,3,4,7,8-PentaCDF	pg/L		ND						ND	
2,3,7,8-TCDD	pg/L		ND				ND		DNQ Est. Conc. 0.68 (2)	
2,3,7,8-TetraCDF	pg/L		ND						DNQ Est. Conc. 0.30 (2)	
2,4-Dichlorophenol	ug/L		ND						ND	
2,4-Dimethylphenol	ug/L		ND						ND	
2,4-Dinitrophenol	ug/L		ND						ND	
2,4-Dinitrotoluene	ug/L		ND						ND	
2,4,6-Trichlorophenol	ug/L		ND		ND		ND		ND	
2,6-Dinitrotoluene	ug/L		ND						ND	
3-Methyl-4-chlorophenol	ug/L		ND						ND	
3,3'-Dichlorobenzidine	ug/L		ND						ND	
4-Bromophenyl phenyl ether	ug/L		ND						ND	
4-Chlorophenyl phenyl ether	ug/L		ND						ND	
4-Nitrophenol	ug/L		ND						ND	
4,4'-DDD	ug/L		ND		ND		ND		ND	
4,4'-DDE	ug/L		ND		ND		ND		ND	
4,4'-DDT	ug/L		ND		ND		ND		ND	
Acenaphthene	ug/L		ND						ND	
Acenaphthylene	ug/L		ND						ND	
Acrolein	ug/L		ND						ND	
Acrylonitrile	ug/L		ND						ND	
Aldrin	ug/L		ND		ND		ND		ND	
alpha-BHC	ug/L		ND		ND		ND		ND	
Ammonia as nitrogen	mg/L	2.06	1.25	1.35	1.82	3.27	0.957	1.15	2.08	1.66

San Jose Creek West Water Reclamation Plant
2018 EFF-003 Monitoring Results

Parameter	Units	October *	November	December *	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624	1	0.07 - 0.22	0.50
1,1-Dichloroethene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.13 - 0.43	0.50
1,1,1-Trichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.07 - 0.21	0.50
1,1,2-Trichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.09 - 0.24	0.50
1,1,2,2-Tetrachloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624	1	0.10 - 0.13	0.50
1,2-Dichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.07 - 0.18	0.50
1,2-Dichloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.11 - 0.22	0.50
1,2-Dichloropropane	ug/L	ND		ND	ND	ND	ND			EPA 624	1	0.09 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L				ND	ND	ND			EPA 625	1	0.20	1.0
1,2,3-Trichloropropane	ug/L				ND	ND	ND			EPA 524.2 (TCP)		0.0012	0.0050
1,2,3,4,6,7,8-HeptaCDD	pg/L				ND (1)	ND (1)	DNQ Est. Conc. 1.0			EPA 1613B		0.13 - 0.22	52 - 55
1,2,3,4,6,7,8-HeptaCDF	pg/L				ND (1)(2)	ND (1)(2)	DNQ Est. Conc. 0.52 (2)			EPA 1613B		0.20 - 0.38	52 - 55
1,2,3,4,7,8-HexaCDD	pg/L				ND (1)	ND (1)	DNQ Est. Conc. 1.5			EPA 1613B		0.20 - 0.26	52 - 55
1,2,3,4,7,8-HexaCDF	pg/L				ND	ND	ND			EPA 1613B		0.27 - 0.31	52 - 55
1,2,3,4,7,8,9-HeptaCDF	pg/L				ND (1)	ND (1)	ND (1)			EPA 1613B		0.23 - 0.46	52 - 55
1,2,3,6,7,8-HexaCDD	pg/L				ND	ND	ND			EPA 1613B		0.19 - 0.25	52 - 55
1,2,3,6,7,8-HexaCDF	pg/L				ND	ND	DNQ Est. Conc. 0.45 (2)			EPA 1613B		0.24 - 0.30	52 - 55
1,2,3,7,8-PentaCDD	pg/L				ND	ND	ND			EPA 1613B		0.20 - 0.47	52 - 55
1,2,3,7,8-PentaCDF	pg/L				ND	ND	DNQ Est. Conc. 0.64 (2)			EPA 1613B		0.17 - 0.30	52 - 55
1,2,3,7,8,9-HexaCDD	pg/L				ND	ND	ND			EPA 1613B		0.18 - 0.24	52 - 55
1,2,3,7,8,9-HexaCDF	pg/L				ND (1)	ND (1)	ND (1)			EPA 1613B		0.18	52 - 55
1,2,4-Trichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 625	5	0.19	5.0
1,3-Dichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.08 - 0.21	0.50
1,3-Dichloropropene (Total)	ug/L	ND		ND	ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.07 - 0.18	0.50
1,4-Dioxane	ug/L				1.1	1.1	1.1			SW-846 8270MOD 1,4-Dioxane		0.13	0.40
2-Chloroethyl vinyl ether (mixed)	ug/L	ND		ND	ND	ND	ND			EPA 624	1	0.12 - 0.29	0.50
2-Chloronaphthalene	ug/L				ND	ND	ND			EPA 625	10	0.13	10.0
2-Chlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.18	5.0
2-Methyl-4,6-dinitrophenol	ug/L				ND	ND	ND			EPA 625	5	0.92	5.0
2-Nitrophenol	ug/L			ND	ND	ND	ND			EPA 625	10	0.10	10.0
2,3,4,6,7,8-HexaCDF	pg/L				ND	ND	ND			EPA 1613B		0.18 - 0.29	52 - 55
2,3,4,7,8-PentaCDF	pg/L				ND	ND	ND			EPA 1613B		0.18 - 0.32	52 - 55
2,3,7,8-TCDD	pg/L			ND	ND	ND	DNQ Est. Conc. 0.68 (2)			EPA 1613B		0.16 - 0.81	10 - 11
2,3,7,8-TetraCDF	pg/L				ND	ND	DNQ Est. Conc. 0.30 (2)			EPA 1613B		0.089 - 0.25	10 - 11
2,4-Dichlorophenol	ug/L				ND	ND	ND			EPA 625	5	0.63	5.0
2,4-Dimethylphenol	ug/L				ND	ND	ND			EPA 625	2	0.88	2.0
2,4-Dinitrophenol	ug/L				ND	ND	ND			EPA 625	5	2.8	5.0
2,4-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625	5	0.27	5.0
2,4,6-Trichlorophenol	ug/L	ND		ND	ND	ND	ND			EPA 625	10	0.21	10.0
2,6-Dinitrotoluene	ug/L				ND	ND	ND			EPA 625	5	0.28	5.0
3-Methyl-4-chlorophenol	ug/L				ND	ND	ND			EPA 625	1	0.44	1.0
3,3'-Dichlorobenzidine	ug/L				ND	ND	ND			EPA 625	5	0.81	5.0
4-Bromophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625	5	0.27	5.0
4-Chlorophenyl phenyl ether	ug/L				ND	ND	ND			EPA 625	5	0.32	5.0
4-Nitrophenol	ug/L				ND	ND	ND			EPA 625	10	1.3	10.0
4,4'-DDD	ug/L	ND		ND	ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDE	ug/L	ND		ND	ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4'-DDT	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L				ND	ND	ND			EPA 625	1	0.22	1.0
Acenaphthylene	ug/L				ND	ND	ND			EPA 625	10	0.19	10.0
Acrolein	ug/L				ND	ND	ND			EPA 624		0.93 - 1.6	2.0
Acrylonitrile	ug/L				ND	ND	ND			EPA 624		0.79 - 0.92	2.0
Aldrin	ug/L	ND		ND	ND	ND	ND			EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.0005 - 0.002	0.01
Ammonia as nitrogen	mg/L	1.09	1.34	1.52	0.957	1.63	3.27	6.3(3)/7.8(4)	4.0(3)/5.0(4)	SM 4500 NH3 G		0.020	0.100 - 0.500

Parameter	Units	January *	February *	March	April *	May *	June *	July *	August *	September *
Anthracene	ug/L		ND						ND	
Antimony	ug/L		DNQ Est. Conc. 0.49				0.55		0.60	
Aroclor 1016	ug/L		ND		ND				ND	
Aroclor 1221	ug/L		ND		ND				ND	
Aroclor 1232	ug/L		ND		ND				ND	
Aroclor 1242	ug/L		ND		ND		ND		ND	
Aroclor 1248	ug/L		ND		ND				ND	
Aroclor 1254	ug/L		ND		ND		ND		ND	
Aroclor 1260	ug/L		ND		ND				ND	
Arsenic	ug/L		DNQ Est. Conc. 0.96				1.28		1.21	
Barium	ug/L		42.3				35.1		40.1	
Benzene	ug/L		ND		ND		ND		ND	
Benzidine	ug/L		ND						ND	
Benzo(a)anthracene	ug/L		ND						ND	
Benzo(a)pyrene	ug/L		ND				ND		ND	
Benzo(b)fluoranthene	ug/L		ND						DNQ Est. Conc. 0.004	
Benzo(g,h,i)perylene	ug/L		ND						ND	
Benzo(k)fluoranthene	ug/L		ND						ND	
Beryllium	ug/L		ND				ND		ND	
beta-BHC	ug/L		ND		ND		ND		ND	
bis(2-Chloroethoxy) methane	ug/L		ND						ND	
bis(2-Chloroethyl) ether	ug/L		ND						ND	
bis(2-Chloroisopropyl) ether	ug/L		ND						ND	
bis(2-Ethylhexyl) phthalate	ug/L		DNQ Est. Conc. 0.21		ND		ND		ND	
Boron	mg/L	0.31	0.34	0.35	0.32	0.31	0.36	0.36	0.33	0.32
Bromodichloromethane	ug/L	8.4	13.7	13.3	16.0	1.8	19.3	26.3	10.1	22.6
Bromoform	ug/L	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.38	0.82	DNQ Est. Conc. 0.36	ND	DNQ Est. Conc. 0.28	DNQ Est. Conc. 0.43	DNQ Est. Conc. 0.16	0.56
Butyl benzyl phthalate	ug/L		ND						ND	
Cadmium	ug/L		DNQ Est. Conc. 0.040				DNQ Est. Conc. 0.040		ND	
Carbon tetrachloride	ug/L		ND		ND		ND		ND	
Chloride	mg/L	103	107	118	109	121	115	122	114	151
Chlorobenzene	ug/L		ND		ND		ND		ND	
Chlorodibromomethane	ug/L	1.5	3.4	4.3	3.4	DNQ Est. Conc. 0.22	4.9	5.1	2.2	5.1
Chloroethane	ug/L		ND		ND		ND		ND	
Chloroform	ug/L	18.7	27.1	22.5	29.6	6.2	39.7	59.8	26.0	43.0
Chlorpyrifos	ug/L								ND	
Chromium III	ug/L		1.09				0.94		0.91	
Chromium VI	ug/L		0.08				0.11		0.09	
Chromium, total (24-hour composite)	ug/L		1.09				1.02		0.89	
Chromium, total (grab)	ug/L		1.17				1.05		1.00	
Chrysene	ug/L		ND						ND	
Copper	ug/L		6.46			4.45	4.44		5.09	
delta-BHC	ug/L		ND		ND		ND		ND	
Di-n-butyl phthalate	ug/L		ND						ND	
Di-n-octyl phthalate	ug/L		ND						ND	
Diazinon	ug/L		ND						ND	
Dibenzo(a,h)anthracene	ug/L		ND						ND	
Dieldrin	ug/L		ND		ND		ND		ND	
Diethyl phthalate	ug/L		ND						DNQ Est. Conc. 0.55	
Dimethyl phthalate	ug/L		ND						ND	
Dissolved oxygen	mg/L	7.5	7.1	7.2	6.9	6.8	7.2	6.9	6.6	6.7
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	ug/L		ND						ND	
Endosulfan I	ug/L		ND						ND	
Endosulfan sulfate	ug/L		ND						ND	
Endrin aldehyde	ug/L		ND						ND	

San Jose Creek West Water Reclamation Plant
2018 EFF-003 Monitoring Results

Parameter	Units	October *	November	December *	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Anthracene	ug/L				ND	ND	ND			EPA 625	10	0.19	10.0
Antimony	ug/L			DNQ Est. Conc. 0.46	DNQ Est. Conc. 0.46	0.29	0.60			EPA 200.8	0.5	0.07 - 0.32	0.50
Aroclor 1016	ug/L	ND			ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1221	ug/L	ND			ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L	ND			ND	ND	ND			EPA 608	0.5	0.09 - 0.2	0.3
Aroclor 1242	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.08	0.1
Aroclor 1248	ug/L	ND			ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1254	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.01 - 0.03	0.05
Aroclor 1260	ug/L	ND			ND	ND	ND			EPA 608	0.5	0.01 - 0.05	0.1
Arsenic	ug/L			1.06	DNQ Est. Conc. 0.96	0.89	1.28			EPA 200.8	2	0.06 - 0.14	1.00
Barium	ug/L			51.1	35.1	42.2	51.1			EPA 200.8		0.06 - 0.08	0.50
Benzene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.10 - 0.15	0.50
Benzidine	ug/L				ND	ND	ND			EPA 625	5	1.8	5.0
Benzo(a)anthracene	ug/L				ND	ND	ND			EPA 625	5	0.14	5.0
Benzo(a)pyrene	ug/L			ND	ND	ND	ND			EPA 525.2 & EPA 610		0.007 - 0.070	0.020 - 0.10
Benzo(b)fluoranthene	ug/L				ND	ND	DNQ Est. Conc. 0.004			EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L				ND	ND	ND			EPA 625	5	0.12	5.0
Benzo(k)fluoranthene	ug/L				ND	ND	ND			EPA 610	10	0.005	0.020
Beryllium	ug/L			ND	ND	ND	ND			EPA 200.8	0.5	0.020 - 0.030	0.25
beta-BHC	ug/L	ND		ND	ND	ND	ND			EPA 608	0.005	0.002 - 0.004	0.005
bis(2-Chloroethoxy) methane	ug/L				ND	ND	ND			EPA 625	5	0.11	5.0
bis(2-Chloroethyl) ether	ug/L				ND	ND	ND			EPA 625	1	0.20	1.0
bis(2-Chloroisopropyl) ether	ug/L				ND	ND	ND			EPA 625	2	0.20	2.0
bis(2-Ethylhexyl) phthalate	ug/L	ND		ND	ND	ND	DNQ Est. Conc. 0.21			EPA 625	5	0.16	2.0
Boron	mg/L	0.31	0.31	0.31	0.31	0.33	0.36		1.0	EPA 200.8		0.008	0.020
Bromodichloromethane	ug/L	32.6	27.6	15.4	1.8	17	32.6			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L	0.71	0.78	1.2	ND	0.34	1.2			EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.12	10.0
Cadmium	ug/L			DNQ Est. Conc. 0.057	ND	ND	DNQ Est. Conc. 0.057			EPA 200.8	0.25	0.010 - 0.031	0.20
Carbon tetrachloride	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.11 - 0.28	0.50
Chloride	mg/L	144	144	143	103	124	151		180	EPA 300.0		0.040 - 0.100	10.0
Chlorobenzene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.08 - 0.13	0.50
Chlorodibromomethane	ug/L	8.0	7.9	5.0	DNQ Est. Conc. 0.22	4.2	8.0			EPA 624	2	0.08 - 0.22	0.50
Chloroethane	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L	65.2	43.9	25.1	6.2	34	65.2			EPA 624	2	0.09 - 0.18	0.50
Chlorpyrifos	ug/L				ND	ND	ND			SW-846 8141A		0.003 - 0.0060	0.05 - 0.10
Chromium III	ug/L			0.81	0.81	0.94	1.09			EPA 200.8			0.50
Chromium VI	ug/L			0.07	0.07	0.09	0.11			EPA 218.6 (Dissolved)		0.01 - 0.02	0.05
Chromium, total (24-hour composite)	ug/L			0.77	0.77	0.94	1.09			EPA 200.8	0.5	0.10 - 0.11	0.50
Chromium, total (grab)	ug/L			0.87	0.87	1.0	1.17			EPA 200.8	0.5	0.10 - 0.11	0.5
Chrysene	ug/L				ND	ND	ND			EPA 610	10	0.005	0.020
Copper	ug/L		4.22	4.36	4.22	4.84	6.46			EPA 200.8	0.5	0.05 - 0.11	0.50
delta-BHC	ug/L	ND		ND	ND	ND	ND			EPA 608	0.005	0.001 - 0.004	0.005
Di-n-butyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.12	10.0
Di-n-octyl phthalate	ug/L				ND	ND	ND			EPA 625	10	0.11	10.0
Diazinon	ug/L				ND	ND	ND			EPA 525.2 & SW-846 8141A		0.004 - 0.11	0.05 - 0.11
Dibenzo(a,h)anthracene	ug/L				ND	ND	ND	0.098	0.049	EPA 610	10	0.004	0.020
Dieldrin	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L				ND	ND	DNQ Est. Conc. 0.55			EPA 625	2	0.26	2.0
Dimethyl phthalate	ug/L				ND	ND	ND			EPA 625	2	0.28	2.0
Dissolved oxygen	mg/L	6.7	6.5	6.7	6.5	6.9	7.5			HACH 10360 LDO			
E. coli	No./100mL	ND	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1.0
Endosulfan II	ug/L				ND	ND	ND			EPA 608	0.01	0.003	0.01
Endosulfan I	ug/L				ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L				ND	ND	ND			EPA 608	0.05	0.002	0.01
Endrin aldehyde	ug/L				ND	ND	ND			EPA 608	0.01	0.001	0.01

Parameter	Units	January *	February *	March	April *	May *	June *	July *	August *	September *
Endrin	ug/L		ND		ND		ND		ND	
Ethylbenzene	ug/L		ND		ND		ND		ND	
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L		ND		ND		ND		ND	
Fluorene	ug/L		ND						ND	
Fluoride	mg/L		0.728		0.692		0.694		0.677	
gamma-BHC (Lindane)	ug/L		ND		ND		ND		0.01	
Gross alpha radioactivity	pCi/L		1.01				2.80		ND	
Gross beta radioactivity	pCi/L		14.2				63.0		20.3	
Heptachlor epoxide	ug/L		ND		ND		ND		ND	
Heptachlor	ug/L		ND		ND		ND		DNQ Est. Conc. 0.008	
Hexachlorobenzene	ug/L		ND				ND		ND	
Hexachlorobutadiene	ug/L		ND						ND	
Hexachlorocyclopentadiene	ug/L		ND				ND		ND	
Hexachloroethane	ug/L		ND						ND	
Indeno (1,2,3-cd) pyrene	ug/L		ND						ND	
Iron	ug/L		47				45		42	
Isophorone	ug/L		ND						ND	
Lead	ug/L	0.37	0.32	0.26	DNQ Est. Conc. 0.24	0.31	0.26	0.26	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.23
Mercury	ug/L		0.00097				0.0030		0.0026	
Methyl bromide (Bromomethane)	ug/L		ND		ND		ND		ND	
Methyl chloride (Chloromethane)	ug/L		ND		ND		ND		ND	
Methyl tert-butyl ether (MTBE)	ug/L		0.52				DNQ Est. Conc. 0.22		ND	
Methylene chloride	ug/L		DNQ Est. Conc. 0.32		DNQ Est. Conc. 0.39		ND		DNQ Est. Conc. 0.29	
n-Nitrosodi-n-propylamine	ug/L		ND						ND	
n-Nitrosodimethylamine (NDMA)	ug/L	0.078	0.097	0.13	0.074	0.17	0.13	0.13	0.38	0.27
n-Nitrosodiphenylamine	ug/L		ND						ND	
Naphthalene	ug/L		ND						ND	
Nickel	ug/L		1.66				1.65		1.65	
Nitrate + nitrite as nitrogen	mg/L	7.90	7.74	7.23	5.37	7.90	5.23	6.65	5.08	5.07
Nitrate as nitrogen	mg/L	7.78	7.70	7.16	5.25	7.54	5.19	6.61	4.97	4.89
Nitrite as nitrogen	mg/L	0.121	0.038	0.071	0.123	0.358	0.044	0.044	0.106	0.178
Nitrobenzene	ug/L		ND						ND	
OctaCDD	pg/L		ND (1)						DNQ Est. Conc. 11	
OctaCDF	pg/L		ND (1)						DNQ Est. Conc. 1.6 (2)	
Oil and grease	mg/L		ND			ND			ND	
Organic nitrogen	mg/L	1.38	0.705	0.735	1.60	0.555	1.27	1.38	1.30	1.51
Orthophosphate-P	mg/L	1.55	0.724	0.486	0.509	0.417	0.744	0.698	1.51	0.355
PCB-129/138/163	pg/L								ND (1)	
PCB-61/70/74/76	pg/L								DNQ Est. Conc. 13 (1)	
PCB-90/101/113	pg/L								ND (1)	
PCB-105	pg/L								DNQ Est. Conc. 3.8	
PCB-114	pg/L								ND	
PCB-118	pg/L								ND (1)	
PCB-123	pg/L								ND	
PCB-126	pg/L								ND	
PCB-158	pg/L								ND	
PCB-167	pg/L								ND	
PCB-169	pg/L								ND	
PCB-170	pg/L								DNQ Est. Conc. 1.3	
PCB-177	pg/L								DNQ Est. Conc. 1.9	
PCB-183	pg/L								DNQ Est. Conc. 1.5	
PCB-187	pg/L								DNQ Est. Conc. 2.2 (2)	
PCB-189	pg/L								ND	
PCB-194	pg/L								ND (1)	
PCB-201	pg/L								ND	

San Jose Creek West Water Reclamation Plant
2018 EFF-003 Monitoring Results

Parameter	Units	October *	November	December *	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Endrin	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Ethylbenzene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.10 - 0.18	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND			SM 9222D		1	1
Fluoranthene	ug/L	ND		ND	ND	ND	ND			EPA 625	1	0.24	1.0
Fluorene	ug/L				ND	ND	ND			EPA 625	10	0.35	10.0
Fluoride	mg/L	0.458		0.602	0.458	0.642	0.728			SM 4500 F C		0.004	0.100
gamma-BHC (Lindane)	ug/L	ND		ND	ND	0.002	0.01			EPA 608	0.02	0.0009 - 0.001	0.01
Gross alpha radioactivity	pCi/L			ND	ND	0.953	2.80			EPA 900.0		1.54 - 5.32	1.54 - 5.32
Gross beta radioactivity	pCi/L			13.5	13.5	27.8	63.0			EPA 900.0		1.69 - 2.88	1.69 - 4.00
Heptachlor epoxide	ug/L	ND		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L	ND		ND	ND	ND	DNQ Est. Conc. 0.008			EPA 608	0.01	0.0008 - 0.001	0.01
Hexachlorobenzene	ug/L			ND	ND	ND	ND			EPA 508.1 & EPA 625	1	0.015 - 0.17	0.25 - 1.0
Hexachlorobutadiene	ug/L				ND	ND	ND			EPA 625	1	0.33	1.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	ND			EPA 508.1 & EPA 625	5	0.070 - 0.53	0.25 - 5.0
Hexachloroethane	ug/L				ND	ND	ND			EPA 625	1	0.13	1.0
Indeno (1,2,3-cd) pyrene	ug/L				ND	ND	ND			EPA 610	10	0.004	0.020
Iron	ug/L			36	36	43	47			EPA 200.8		3	20
Isophorone	ug/L				ND	ND	ND			EPA 625	1	0.11	1.0
Lead	ug/L	DNQ Est. Conc. 0.24	0.43	0.26	DNQ Est. Conc. 0.22	0.21	0.43	166 (5)		EPA 200.8	0.5	0.01	0.25
Mercury	ug/L			0.0016	0.00097	0.0020	0.0030			EPA 1631E		0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L	0.65		ND	ND	0.11	0.65			EPA 624	2	0.20 - 0.34	0.50
Methyl chloride (Chloromethane)	ug/L	ND		DNQ Est. Conc. 0.36	ND	ND	DNQ Est. Conc. 0.36			EPA 624	2	0.06 - 0.19	0.50
Methyl tert-butyl ether (MTBE)	ug/L			ND	ND	0.13	0.52			EPA 624		0.08 - 0.21	0.50
Methylene chloride	ug/L	0.55		DNQ Est. Conc. 0.21	ND	0.092	0.55			EPA 624	2	0.18 - 0.20	0.50
n-Nitrosodi-n-propylamine	ug/L		ND	ND	ND	ND	ND			EPA 1625 (Modified) & EPA 625	5	0.0006 - 0.50	0.010 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.068	0.18	0.22	0.068	0.16	0.38			EPA 1625 (Modified)	5	0.0005	0.010
n-Nitrosodiphenylamine	ug/L		ND	ND	ND	ND	ND			EPA 1625 (Modified) & EPA 625	1	0.0013 - 0.28	0.050 - 1.0
Naphthalene	ug/L				ND	ND	ND			EPA 625	1	0.13	1.0
Nickel	ug/L			2.07	1.65	1.76	2.07			EPA 200.8	1	0.07 - 0.12	1.00
Nitrate + nitrite as nitrogen	mg/L	5.08	3.63	6.01	3.63	6.07	7.90		8	SM 4500 NO3 F		0.030 - 0.040	0.200
Nitrate as nitrogen	mg/L	5.01	3.58	5.93	3.58	5.97	7.78			SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.074	0.051	0.083	0.038	0.11	0.358		1	SM 4500 NO3 F		0.003 - 0.009	0.030
Nitrobenzene	ug/L				ND	ND	ND			EPA 625	1	0.17	1.0
OctaCDD	pg/L				ND (1)	ND (1)	DNQ Est. Conc. 11			EPA 1613B		0.22 - 0.25	100 - 110
OctaCDF	pg/L				ND (1)	ND (1)	DNQ Est. Conc. 1.6 (2)			EPA 1613B		0.17 - 0.25	100 - 110
Oil and grease	mg/L		ND		ND	ND	ND	15	10	EPA 1664A		1.2	4.5 - 4.6
Organic nitrogen	mg/L	0.450	2.06	0.855	0.450	1.15	2.06			EPA 351.2 & SM 4500 NH3 G		0.050 - 0.135	0.200
Orthophosphate-P	mg/L	0.104	0.388	0.486	0.104	0.664	1.55			EPA 365.1		0.001 - 0.025	0.030
PCB-129/138/163	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		0.50	660
PCB-61/70/74/76	pg/L				DNQ Est. Conc. 13 (1)	ND	DNQ Est. Conc. 13 (1)			EPA 1668		0.69	870
PCB-90/101/113	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		0.63	660
PCB-105	pg/L				DNQ Est. Conc. 3.8	ND	DNQ Est. Conc. 3.8			EPA 1668		0.64	22
PCB-114	pg/L				ND	ND	ND			EPA 1668		0.63	22
PCB-118	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		0.61	22
PCB-123	pg/L				ND	ND	ND			EPA 1668		0.63	22
PCB-126	pg/L				ND	ND	ND			EPA 1668		0.66	22
PCB-158	pg/L				ND	ND	ND			EPA 1668		0.38	220
PCB-167	pg/L				ND	ND	ND			EPA 1668		0.37	22
PCB-169	pg/L				ND	ND	ND			EPA 1668		0.40	22
PCB-170	pg/L				DNQ Est. Conc. 1.3	ND	DNQ Est. Conc. 1.3			EPA 1668		0.37	220
PCB-177	pg/L				DNQ Est. Conc. 1.9	ND	DNQ Est. Conc. 1.9			EPA 1668		0.38	220
PCB-183	pg/L				DNQ Est. Conc. 1.5	ND	DNQ Est. Conc. 1.5			EPA 1668		0.31	220
PCB-187	pg/L				DNQ Est. Conc. 2.2 (2)	ND	DNQ Est. Conc. 2.2 (2)			EPA 1668		0.38	220
PCB-189	pg/L				ND	ND	ND			EPA 1668		0.26	22
PCB-194	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		0.36	220
PCB-201	pg/L				ND	ND	ND			EPA 1668		0.26	220

Parameter	Units	January *	February *	March	April *	May *	June *	July *	August *	September *
PCB-206	pg/L								ND	
PCB-37	pg/L								DNQ Est. Conc. 3.0	
PCB-52	pg/L								ND (1)	
PCB-66	pg/L								DNQ Est. Conc. 4.9	
PCB-77	pg/L								ND	
PCB-81	pg/L								ND	
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 10	
PCB-99	pg/L								DNQ Est. Conc. 3.9	
PCB-110/115	pg/L								ND (1)	
PCB-128/166	pg/L								DNQ Est. Conc. 1.2	
PCB-135/151	pg/L								ND (1)	
PCB-147/149	pg/L								ND (1)	
PCB-153/168	pg/L								DNQ Est. Conc. 5.8	
PCB-156/157	pg/L								ND	
PCB-18/30	pg/L								DNQ Est. Conc. 10 (1)	
PCB-180/193	pg/L								ND (1)	
PCB-20/28	pg/L								DNQ Est. Conc. 16 (1)	
PCB-44/47/65	pg/L								ND (1)	
PCB-49/69	pg/L								DNQ Est. Conc. 4.0	
Pentachlorophenol	ug/L		ND		ND		ND		ND	
Perchlorate	ug/L	0.5	0.46	0.57	0.36	0.35	0.47	0.68	0.36	0.93
pH (Reuse)	SU	7.0	7.0	7.1	7.3	7.2	7.3	7.4	7.3	7.3
pH (SJC)	SU			7.1						
Phenanthrene	ug/L		ND		ND		ND		ND	
Phenol	ug/L		ND		DNQ Est. Conc. 0.22		ND		DNQ Est. Conc. 0.22	
Pyrene	ug/L		ND						ND	
Radium-226 + radium-228	pCi/L						ND		ND	
Selenium	ug/L	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.20	DNQ Est. Conc. 0.19	DNQ Est. Conc. 0.18	DNQ Est. Conc. 0.28	DNQ Est. Conc. 0.25	DNQ Est. Conc. 0.23	DNQ Est. Conc. 0.23	DNQ Est. Conc. 0.33
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L		ND				ND		ND	
Strontium-90	pCi/L		0.200				ND		ND	
Sulfate	mg/L	69.2	68.1	72.0	68.9	87.2	87.2	81.3	86.9	106
Surfactant (CTAS)	mg/L		ND			ND			ND	
Surfactant (MBAS)	mg/L		ND		ND	ND	ND		ND	
Technical Chlordane	ug/L		ND				ND		ND	
Temperature	Degrees F			73.2						
Tetrachloroethene	ug/L		ND		ND		ND		ND	
Thallium	ug/L		ND				ND		ND	
Toluene	ug/L		ND		DNQ Est. Conc. 0.32		ND		DNQ Est. Conc. 0.40	
Total BOD 20C	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total chlorinated hydrocarbons (TICH)	ug/L		ND			ND			0.01	
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L		DNQ Est. Conc. 1.50			DNQ Est. Conc. 1.51			DNQ Est. Conc. 2.01	
Total detectable PCB's (Sum of Congeners)	pg/L								ND	
Total detectable PCB's (Sum of Aroclors)	ug/L		ND		ND		ND		ND	
Total dissolved solids	mg/L	526	542	536	538	590	585	598	545	615
Total hardness (CaCO3)	mg/L	195	208	199	208	204	199	198	196	197
Total Kjeldahl Nitrogen (TKN)	mg/L	3.44	1.96	2.08	3.42	3.82	2.22	2.52	3.38	3.17
Total nitrogen	mg/L	11.3	9.70	9.32	8.80	11.7	7.46	9.18	8.46	8.24
Total phosphorus	mg/L	1.66	0.727	0.545	0.584	0.479	0.783	0.789	1.55	0.391
Total residual chlorine (average)	mg/L			ND						
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total trihalomethanes	ug/L	28.8	44.6	40.9	49.0	8.0	65.4	91.2	38.3	71.3
Toxaphene	ug/L		ND		ND		ND		ND	
Toxic equivalence	pg/L		ND						ND	
trans-1,2-Dichloroethene	ug/L		ND		ND		ND		ND	

San Jose Creek West Water Reclamation Plant
2018 EFF-003 Monitoring Results

Parameter	Units	October *	November	December *	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
PCB-206	pg/L				ND	ND	ND			EPA 1668		0.94	220
PCB-37	pg/L				DNQ Est. Conc. 3.0	ND	DNQ Est. Conc. 3.0			EPA 1668		1.1	220
PCB-52	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		0.85	220
PCB-66	pg/L				DNQ Est. Conc. 4.9	ND	DNQ Est. Conc. 4.9			EPA 1668		0.74	220
PCB-77	pg/L				ND	ND	ND			EPA 1668		0.88	22
PCB-81	pg/L				ND	ND	ND			EPA 1668		0.89	22
PCB-86/87/97/108/119/125	pg/L				DNQ Est. Conc. 10	ND	DNQ Est. Conc. 10			EPA 1668		0.63	1300
PCB-99	pg/L				DNQ Est. Conc. 3.9	ND	DNQ Est. Conc. 3.9			EPA 1668		0.64	220
PCB-110/115	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		0.57	440
PCB-128/166	pg/L				DNQ Est. Conc. 1.2	ND	DNQ Est. Conc. 1.2			EPA 1668		0.46	440
PCB-135/151	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		0.56	440
PCB-147/149	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		0.53	440
PCB-153/168	pg/L				DNQ Est. Conc. 5.8	ND	DNQ Est. Conc. 5.8			EPA 1668		0.41	440
PCB-156/157	pg/L				ND	ND	ND			EPA 1668		0.54	44
PCB-18/30	pg/L				DNQ Est. Conc. 10 (1)	ND	DNQ Est. Conc. 10 (1)			EPA 1668		0.86	440
PCB-180/193	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		0.29	440
PCB-20/28	pg/L				DNQ Est. Conc. 16 (1)	ND	DNQ Est. Conc. 16 (1)			EPA 1668		0.98	440
PCB-44/47/65	pg/L				ND (1)	ND (1)	ND (1)			EPA 1668		0.75	660
PCB-49/69	pg/L				DNQ Est. Conc. 4.0	ND	DNQ Est. Conc. 4.0			EPA 1668		0.65	440
Pentachlorophenol	ug/L	ND		ND	ND	ND	ND			EPA 625	5	0.62	1.0
Perchlorate	ug/L	0.52	0.26	0.48	0.26	0.5	0.93			EPA 331.0		0.0201	0.05
pH (Reuse)	SU	7.3	7.3	7.3	7.0	7.2	7.4			SM 4500 H+ B		1.00	1.00 - 4.00
pH (SJC)	SU		7.5		7.1	7.3	7.5			SM 4500 H+ B		1.00	1.00 - 4.00
Phenanthrene	ug/L	ND		ND	ND	ND	ND			EPA 625	5	0.31	5.0
Phenol	ug/L	DNQ Est. Conc. 0.46		ND	ND	ND	DNQ Est. Conc. 0.46			EPA 625	1	0.12	1.0
Pyrene	ug/L				ND	ND	ND			EPA 625	10	0.28	10.0
Radium-226 + radium-228	pCi/L			0.68	ND	0.23	0.68			Drinking H2O Radium Sum Method			1.0
Selenium	ug/L	DNQ Est. Conc. 0.41	DNQ Est. Conc. 0.34	DNQ Est. Conc. 0.28	DNQ Est. Conc. 0.18	ND	DNQ Est. Conc. 0.41			EPA 200.8	2	0.02 - 0.04	1.00
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	0.3	0.1	SM 2540F		0.1	0.1
Silver	ug/L			ND	ND	ND	ND			EPA 200.8	0.25	0.02	0.20
Strontium-90	pCi/L			ND	ND	0.0500	0.200			EPA 905.0		0.264 - 0.359	0.272 - 3.00
Sulfate	mg/L	110	96.4	106	68.1	86.6	110		300	EPA 300.0		0.020 - 0.200	2.50
Surfactant (CTAS)	mg/L		ND		ND	ND	ND			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND	ND		0.5	SM 5540C		0.02 - 0.03	0.10
Technical Chlordane	ug/L			ND	ND	ND	ND			EPA 608	0.1	0.01 - 0.03	0.05
Temperature	Degrees F		79.4		73.2	76.3	79.4	86 (6)		EPA 170.1 (oF)			
Tetrachloroethene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.16 - 0.25	0.50
Thallium	ug/L			ND	ND	ND	ND			EPA 200.8	1	0.010 - 0.015	0.25
Toluene	ug/L	DNQ Est. Conc. 0.29		DNQ Est. Conc. 0.22	ND	ND	DNQ Est. Conc. 0.40			EPA 624	2	0.06 - 0.19	0.50
Total BOD 20C	mg/L	ND	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3
Total chlorinated hydrocarbons (TICH)	ug/L		ND		ND	0.003	0.01			EPA 608			
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	(7)	(7)	SM 9222B		1	1
Total cyanide	ug/L		DNQ Est. Conc. 1.64		DNQ Est. Conc. 1.50	ND	DNQ Est. Conc. 2.01			SM 4500 CN E	5	1.00	5.00
Total detectable PCB's (Sum of Congeners)	pg/L				ND	ND	ND			EPA 1668			
Total detectable PCB's (Sum of Aroclors)	ug/L	ND		ND	ND	ND	ND			EPA 608			
Total dissolved solids	mg/L	620	618	658	526	581	658		750	SM 2540C		2.7	50.0 - 62.5
Total hardness (CaCO3)	mg/L	201	213	204	195	202	213			EPA 200.8 & SM 2340C			0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	1.54	3.40	2.38	1.54	2.78	3.82			EPA 351.2		0.130 - 0.135	0.200 - 1.00
Total nitrogen	mg/L	6.61	7.03	8.39	6.61	8.85	11.7			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.164	0.437	0.528	0.164	0.720	1.66			EPA 365.1		0.001 - 0.028	0.030
Total residual chlorine (average)	mg/L		ND		ND	ND	ND	0.1		SM 4500 Cl G		0.03	0.10
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Total trihalomethanes	ug/L	107	80.2	46.7	8.0	56	107		80	EPA 624			0.50
Toxaphene	ug/L	ND		ND	ND	ND	ND			EPA 608	0.5	0.04 - 0.08	0.5
Toxic equivalence	pg/L				ND	ND	ND			EPA 1613B			
trans-1,2-Dichloroethene	ug/L	ND		ND	ND	ND	ND			EPA 624	1	0.09 - 0.45	0.50

San Jose Creek West Water Reclamation Plant
2018 EFF-003 Monitoring Results

Parameter	Units	January *	February *	March	April *	May *	June *	July *	August *	September *
Trichloroethene	ug/L		ND		ND		ND		ND	
Tritium	pCi/L		ND				ND		ND	
Turbidity (flow proportioned avg daily value)	NTU	0.86	0.86	0.70	0.92	1.1	0.74	0.71	0.71	0.79
Uranium	pCi/L		0.108				0.939		1.07	
Vinyl chloride	ug/L		ND		ND		ND		ND	
Zinc	ug/L		62.3				57.8		52.5	

San Jose Creek West Water Reclamation Plant
2018 EFF-003 Monitoring Results

Parameter	Units	October *	November	December *	Monthly Average			Limit		Method	ML	MDL	RDL
					Minimum	Average	Maximum	Max Daily	Monthly Average				
Trichloroethene	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.13 - 0.28	0.50
Tritium	pCi/L			ND	ND	ND	ND			EPA 906.0		295 - 434	434 - 500
Turbidity (flow proportioned avg daily value)	NTU	0.69	0.78	0.73	0.69	0.80	1.1	2		SM 2130B		0.12	0.12
Uranium	pCi/L			0.925	0.108	0.761	1.07			EPA 908.0		0.131 - 0.342	0.342 - 1.00
Vinyl chloride	ug/L	ND		ND	ND	ND	ND			EPA 624	2	0.20 - 0.37	0.50
Zinc	ug/L			67.1	52.5	59.9	67.1			EPA 200.8	1	0.60 - 0.70	1.00

* No discharge at EFF-003 during this month.

(1) Blank contamination observed.

(2) Possible interference observed. The measured ion ratio did not meet qualitative criteria for analysis and results are considered to be an estimated maximum possible concentration

(3) Effluent ammonia limit effective from April 1 to September 30.

(4) Effluent ammonia limit effective from October 1 to March 31.

(5) Wet weather effluent limit.

(6) The temperature of wastes discharged shall not exceed 86° F except as a result of external ambient temperature.

(7) The number of total coliform bacteria shall not exceed 2.2/100 mL as a 7-day median, 23/100 mL in more than one sample within any 30-day period, and 240/100 mL in any sample.

Saugus WRP Influent Monitoring

Saugus Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L	ND			ND			ND			
1,1-Dichloroethene	ug/L	ND			ND			ND			
1,1,1-Trichloroethane	ug/L	ND			ND			ND			
1,1,2-Trichloroethane	ug/L	ND			ND			ND			
1,1,2,2-Tetrachloroethane	ug/L	ND			ND			ND			
1,2-Dichlorobenzene	ug/L	ND			ND			ND			
1,2-Dichloroethane	ug/L	ND			ND			ND			
1,2-Dichloropropane	ug/L	ND			ND			ND			
1,2-Diphenylhydrazine	ug/L	ND			ND			ND			ND
1,2,4-Trichlorobenzene	ug/L	ND			ND			ND			ND
1,3-Dichlorobenzene	ug/L	ND			ND			ND			
1,3-Dichloropropene (Total)	ug/L	ND						ND			
1,4-Dichlorobenzene	ug/L	ND			ND			ND			
2-Chloroethyl vinyl ether (mixed)	ug/L	ND			ND			ND			
2-Chloronaphthalene	ug/L	ND			ND			ND			ND
2-Chlorophenol	ug/L	ND			ND			ND			ND
2-Methyl-4,6-dinitrophenol	ug/L	ND			ND			ND			ND
2-Nitrophenol	ug/L	ND			ND			ND			ND
2,3,7,8-TCDD	pg/L	ND						ND			
2,4-Dichlorophenol	ug/L	ND			ND			ND			ND
2,4-Dimethylphenol	ug/L	ND			ND			ND			ND
2,4-Dinitrophenol	ug/L	ND			ND			ND			ND
2,4-Dinitrotoluene	ug/L	ND			ND			ND			ND
2,4,6-Trichlorophenol	ug/L	ND			ND			ND			ND
2,6-Dinitrotoluene	ug/L	ND			ND			ND			ND
3-Methyl-4-chlorophenol	ug/L	ND			ND			ND			ND
3,3'-Dichlorobenzidine	ug/L	ND			ND			ND			ND
4-Bromophenyl phenyl ether	ug/L	ND			ND			ND			ND
4-Chlorophenyl phenyl ether	ug/L	ND			ND			ND			ND
4-Nitrophenol	ug/L	ND			ND			ND			ND
4,4-DDT	ug/L	ND						ND			
4,4'-DDD	ug/L	ND						ND			
4,4'-DDE	ug/L	ND						ND			
Acenaphthene	ug/L	ND			ND			ND			ND
Acenaphthylene	ug/L	ND			ND			ND			ND
Acrolein	ug/L	ND			ND			ND			
Acrylonitrile	ug/L	ND			ND			ND			
Aldrin	ug/L	ND						ND			
alpha-BHC	ug/L	ND						ND			
Anthracene	ug/L	ND			ND			ND			ND
Antimony	ug/L	0.73			0.94			0.80			0.61
Aroclor 1016	ug/L	ND						ND			
Aroclor 1221	ug/L	ND						ND			
Aroclor 1232	ug/L	ND						ND			
Aroclor 1242	ug/L	ND						ND			
Aroclor 1248	ug/L	ND						ND			
Aroclor 1254	ug/L	ND						ND			
Aroclor 1260	ug/L	ND						ND			
Arsenic	ug/L	1.64			1.62			1.49			1.30
Benzene	ug/L	ND			ND			ND			
Benzidine	ug/L	ND			ND			ND			ND
Benzo(a)anthracene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ug/L	ND			ND			ND			ND
Benzo(b)fluoranthene	ug/L	ND			ND			ND			ND

Saugus Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L			ND	ND	ND	EPA 624	1	0.20 - 0.22	0.50
1,1-Dichloroethene	ug/L			ND	ND	ND	EPA 624	2	0.32 - 0.43	0.50
1,1,1-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.17 - 0.21	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.09 - 0.24	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND	EPA 624	1	0.11 - 0.13	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.07 - 0.18	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.11 - 0.22	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND	EPA 624	1	0.11 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND	EPA 625	1	0.20	10.0 - 20.0
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND	EPA 625	5	0.19	50.0 - 100
1,3-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.08 - 0.21	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.16 - 0.18	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND	EPA 624	1	0.12 - 0.29	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND	EPA 625	10	0.13	100 - 200
2-Chlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.18	50.0 - 100
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND	EPA 625	5	0.92	50.0 - 100
2-Nitrophenol	ug/L			ND	ND	ND	EPA 625	10	0.10	100 - 200
2,3,7,8-TCDD	pg/L			ND	ND	ND	EPA 1613B		0.32 - 2.2	10
2,4-Dichlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.63	50.0 - 100
2,4-Dimethylphenol	ug/L			ND	ND	ND	EPA 625	2	0.88	20.0 - 40.0
2,4-Dinitrophenol	ug/L			ND	ND	ND	EPA 625	5	2.8	50.0 - 100
2,4-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625	5	0.27	50.0 - 100
2,4,6-Trichlorophenol	ug/L			ND	ND	ND	EPA 625	10	0.21	100 - 200
2,6-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625	5	0.28	50.0 - 100
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND	EPA 625	1	0.44	10.0 - 20.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND	EPA 625	5	0.81	50.0 - 100
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625	5	0.27	50.0 - 100
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625	5	0.32	50.0 - 100
4-Nitrophenol	ug/L			ND	ND	ND	EPA 625	10	1.3	100 - 200
4,4-DDT	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.05 - 0.10
4,4'-DDD	ug/L			ND	ND	ND	EPA 608	0.05	0.002	0.05 - 0.10
4,4'-DDE	ug/L			ND	ND	ND	EPA 608	0.05	0.001	0.05 - 0.10
Acenaphthene	ug/L			ND	ND	ND	EPA 625	1	0.22	10.0 - 20.0
Acenaphthylene	ug/L			ND	ND	ND	EPA 625	10	0.19	100 - 200
Acrolein	ug/L			ND	ND	ND	EPA 624		0.93 - 1.3	2.0
Acrylonitrile	ug/L			ND	ND	ND	EPA 624		0.20 - 0.79	2.0
Aldrin	ug/L			ND	ND	ND	EPA 608	0.005	0.002	0.02 - 0.05
alpha-BHC	ug/L			ND	ND	ND	EPA 608	0.01	0.0005	0.05 - 0.10
Anthracene	ug/L			ND	ND	ND	EPA 625	10	0.19	100 - 200
Antimony	ug/L			0.61	0.77	0.94	EPA 200.8	0.5	0.32	0.50
Aroclor 1016	ug/L			ND	ND	ND	EPA 608	0.5	0.03	0.5 - 1.0
Aroclor 1221	ug/L			ND	ND	ND	EPA 608	0.5	0.2	2.5 - 5.0
Aroclor 1232	ug/L			ND	ND	ND	EPA 608	0.5	0.1	1.5 - 3.0
Aroclor 1242	ug/L			ND	ND	ND	EPA 608	0.5	0.04	0.5 - 1.0
Aroclor 1248	ug/L			ND	ND	ND	EPA 608	0.5	0.03	0.5 - 1.0
Aroclor 1254	ug/L			ND	ND	ND	EPA 608	0.5	0.02	0.2 - 0.5
Aroclor 1260	ug/L			ND	ND	ND	EPA 608	0.5	0.02	0.5 - 1.0
Arsenic	ug/L			1.30	1.51	1.64	EPA 200.8	2	0.14	1.00
Benzene	ug/L			ND	ND	ND	EPA 624	2	0.11 - 0.15	0.50
Benzidine	ug/L			ND	ND	ND	EPA 625	5	1.8	50.0 - 100
Benzo(a)anthracene	ug/L	ND	ND	ND	ND	ND	EPA 625	5	0.14	50.0 - 200
Benzo(a)pyrene	ug/L			ND	ND	ND	EPA 625	10	0.19	100 - 200
Benzo(b)fluoranthene	ug/L			ND	ND	ND	EPA 625	10	0.22	100 - 200

Saugus Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Benzo(g,h,i)perylene	ug/L	ND			ND			ND			ND
Benzo(k)fluoranthene	ug/L	ND			ND			ND			ND
Beryllium	ug/L	ND			ND			ND			ND
beta-BHC	ug/L	ND						0.05			
bis(2-Chloroethoxy) methane	ug/L	ND			ND			ND			ND
bis(2-Chloroethyl) ether	ug/L	ND			ND			ND			ND
bis(2-Chloroisopropyl) ether	ug/L	ND			ND			ND			ND
bis(2-Ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 3.7			DNQ Est. Conc. 5.2			ND			ND
BOD	mg/L	299	283	252	302	282	262	253	244	256	252
Bromodichloromethane	ug/L	0.68	1.2	1.8	2.6	0.71	0.50	0.89	0.69	0.97	1.8
Bromoform	ug/L	0.84	0.61	1.3	1.2	1.0	1.2	ND	1.0	1.1	1.2
Butyl benzyl phthalate	ug/L	ND			ND			ND			ND
Cadmium	ug/L	DNQ Est. Conc. 0.14			DNQ Est. Conc. 0.18			DNQ Est. Conc. 0.16			DNQ Est. Conc. 0.083
Carbon tetrachloride	ug/L	ND			ND			ND			
Chlordane	ug/L	ND						ND			
Chloride	mg/L	92.8	95.4	110	97.9	97.4	91.1	95.5	99.9	101	99.0
Chlorobenzene	ug/L	ND			ND			ND			
Chlorodibromomethane	ug/L	1.1	0.97	1.8	1.9	0.93	1.1	0.78	1.1	1.4	1.6
Chloroethane	ug/L	ND			ND			ND			
Chloroform	ug/L	2.2	2.2	2.9	4.6	2.4	1.7	2.9	1.8	2.1	2.5
Chromium III	ug/L	2.95						1.44			
Chromium VI	ug/L	0.12						0.19			
Chromium, total	ug/L	3.07						1.63			
Chrysene	ug/L	ND			ND			ND			ND
Copper	ug/L	74.4	131	122	110	121	103	78.9	102	76.9	61.9
delta-BHC	ug/L	ND						ND			
Di-n-butyl phthalate	ug/L	ND			ND			ND			ND
Di-n-octyl phthalate	ug/L	ND			ND			ND			ND
Dibenzo(a,h)anthracene	ug/L	ND			ND			ND			ND
Dieldrin	ug/L	ND						ND			
Diethyl phthalate	ug/L	DNQ Est. Conc. 3.6			ND			DNQ Est. Conc. 8.0			DNQ Est. Conc. 8.1
Dimethyl phthalate	ug/L	ND			ND			ND			ND
Endosulfan II	ug/L	ND						ND			
Endosulfan I	ug/L	ND						ND			
Endosulfan sulfate	ug/L	ND						ND			
Endrin aldehyde	ug/L	ND						ND			
Endrin	ug/L	ND						ND			
Ethylbenzene	ug/L	3.6			ND			ND			
Fluoranthene	ug/L	ND			ND			ND			ND
Fluorene	ug/L	ND			ND			ND			ND
gamma-BHC (Lindane)	ug/L	DNQ Est. Conc. 0.02						DNQ Est. Conc. 0.08			
Heptachlor epoxide	ug/L	ND						ND			
Heptachlor	ug/L	ND						ND			
Hexachlorobenzene	ug/L	ND			ND			ND			ND
Hexachlorobutadiene	ug/L	ND			ND			ND			ND
Hexachlorocyclopentadiene	ug/L	ND			ND			ND			ND
Hexachloroethane	ug/L	ND			ND			ND			ND
Indeno (1,2,3-cd) pyrene	ug/L	ND			ND			ND			ND
Isophorone	ug/L	ND			ND			ND			ND
Lead	ug/L	0.97	3.03	1.20	1.81	2.25	1.22	0.63	0.85	0.51	0.47
Mercury	ug/L	0.07	DNQ Est. Conc. 0.02	ND	0.20	0.28	0.15	ND	ND	ND	ND
Methyl bromide (Bromomethane)	ug/L	ND			ND			ND			
Methyl chloride (Chloromethane)	ug/L	ND			ND			ND			
Methylene chloride	ug/L	DNQ Est. Conc. 0.20			DNQ Est. Conc. 0.36			0.84			

Saugus Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Benzo(g,h,i)perylene	ug/L			ND	ND	ND	EPA 625	5	0.12	50.0 - 100
Benzo(k)fluoranthene	ug/L			ND	ND	ND	EPA 625	10	0.19	100 - 200
Beryllium	ug/L			ND	ND	ND	EPA 200.8	0.5	0.030	0.25
beta-BHC	ug/L			ND	0.03	0.05	EPA 608	0.005	0.004	0.02 - 0.05
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND	EPA 625	5	0.11	50.0 - 100
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND	EPA 625	1	0.20	10.0 - 20.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND	EPA 625	2	0.20	20.0 - 40.0
bis(2-Ethylhexyl) phthalate	ug/L			ND	ND	DNQ Est. Conc. 5.2	EPA 625	5	0.16	20.0 - 40.0
BOD	mg/L	275	281	244	270	302	SM 5210B		0.6	75 - 120
Bromodichloromethane	ug/L	2.6	1.9	0.50	1.4	2.6	EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L	1.2	1.2	ND	0.99	1.3	EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.12	100 - 200
Cadmium	ug/L			DNQ Est. Conc. 0.083	ND	DNQ Est. Conc. 0.18	EPA 200.8	0.25	0.031	0.20
Carbon tetrachloride	ug/L			ND	ND	ND	EPA 624	2	0.17 - 0.28	0.50
Chlordane	ug/L			ND	ND	ND	EPA 608	0.1	0.02	0.25 - 0.50
Chloride	mg/L	96.8	103	91.1	98.3	110	EPA 300.0		0.040 - 0.100	10.0
Chlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.11 - 0.13	0.50
Chlorodibromomethane	ug/L	1.7	1.8	0.78	1.3	1.9	EPA 624	2	0.08 - 0.22	0.50
Chloroethane	ug/L			ND	ND	ND	EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L	3.4	3.0	1.7	2.6	4.6	EPA 624	2	0.09 - 0.18	0.50
Chromium III	ug/L			1.44	2.20	2.95	EPA 200.8			0.50
Chromium VI	ug/L			0.12	0.16	0.19	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L			1.63	2.35	3.07	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L			ND	ND	ND	EPA 625	10	0.16	100 - 200
Copper	ug/L	67.6	113	61.9	96.8	131	EPA 200.8	0.5	0.05 - 0.11	0.50
delta-BHC	ug/L			ND	ND	ND	EPA 608	0.005	0.001	0.02 - 0.05
Di-n-butyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.12	100 - 200
Di-n-octyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.11	100 - 200
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	EPA 625	10	0.13	100 - 200
Dieldrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.05 - 0.10
Diethyl phthalate	ug/L			ND	ND	DNQ Est. Conc. 8.1	EPA 625	2	0.26	20.0 - 40.0
Dimethyl phthalate	ug/L			ND	ND	ND	EPA 625	2	0.28	20.0 - 40.0
Endosulfan II	ug/L			ND	ND	ND	EPA 608	0.01	0.003	0.05 - 0.10
Endosulfan I	ug/L			ND	ND	ND	EPA 608	0.02	0.001	0.05 - 0.10
Endosulfan sulfate	ug/L			ND	ND	ND	EPA 608	0.05	0.002	0.05 - 0.10
Endrin aldehyde	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.05 - 0.10
Endrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.05 - 0.10
Ethylbenzene	ug/L			ND	1.2	3.6	EPA 624	2	0.10 - 0.18	0.50
Fluoranthene	ug/L			ND	ND	ND	EPA 625	1	0.24	10.0 - 20.0
Fluorene	ug/L			ND	ND	ND	EPA 625	10	0.35	100 - 200
gamma-BHC (Lindane)	ug/L			DNQ Est. Conc. 0.02	ND	DNQ Est. Conc. 0.08	EPA 608	0.02	0.001	0.05 - 0.10
Heptachlor epoxide	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.05 - 0.10
Heptachlor	ug/L			ND	ND	ND	EPA 608	0.01	0.0009	0.05 - 0.10
Hexachlorobenzene	ug/L			ND	ND	ND	EPA 625	1	0.17	10.0 - 20.0
Hexachlorobutadiene	ug/L			ND	ND	ND	EPA 625	1	0.33	10.0 - 20.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	EPA 625	5	0.53	50.0 - 100
Hexachloroethane	ug/L			ND	ND	ND	EPA 625	1	0.13	10.0 - 20.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND	EPA 625	10	0.12	100 - 200
Isophorone	ug/L			ND	ND	ND	EPA 625	1	0.11	10.0 - 20.0
Lead	ug/L	1.01	1.64	0.47	1.3	3.03	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L	ND	0.065	ND	0.06	0.28	EPA 245.1	0.5	0.004 - 0.034	0.04 - 0.10
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND	EPA 624	2	0.20 - 0.33	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND	EPA 624	2	0.15 - 0.19	0.50
Methylene chloride	ug/L			DNQ Est. Conc. 0.20	0.28	0.84	EPA 624	2	0.18 - 0.19	0.50

Saugus Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
n-Nitrosodi-n-propylamine	ug/L	ND			ND			ND			ND
n-Nitrosodimethylamine (NDMA)	ug/L	ND			ND			ND			ND
n-Nitrosodiphenylamine	ug/L	ND			ND			ND			ND
Naphthalene	ug/L	ND			ND			ND			ND
Nickel	ug/L	3.40	6.03	2.91	5.50	4.25	4.06	2.82	3.17	13.1	2.64
Nitrobenzene	ug/L	ND			ND			ND			ND
PCB-105	pg/L							30			
PCB-114	pg/L							ND			
PCB-118	pg/L							91 (1)			
PCB-123	pg/L							ND			
PCB-126	pg/L							ND			
PCB-129/138/163	pg/L							DNQ Est. Conc. 120 (1)			
PCB-158	pg/L							DNQ Est. Conc. 8.6			
PCB-167	pg/L							ND			
PCB-169	pg/L							ND			
PCB-170	pg/L							DNQ Est. Conc. 21			
PCB-177	pg/L							ND			
PCB-183	pg/L							DNQ Est. Conc. 14			
PCB-187	pg/L							DNQ Est. Conc. 25 (1)			
PCB-189	pg/L							ND			
PCB-194	pg/L							DNQ Est. Conc. 13			
PCB-201	pg/L							DNQ Est. Conc. 2.4 (2)			
PCB-206	pg/L							DNQ Est. Conc. 7.6			
PCB-37	pg/L							DNQ Est. Conc. 17			
PCB-52	pg/L							DNQ Est. Conc. 130			
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 150			
PCB-66	pg/L							DNQ Est. Conc. 63			
PCB-77	pg/L							DNQ Est. Conc. 7.1			
PCB-81	pg/L							ND			
PCB-86/87/97/108/119	pg/L							DNQ Est. Conc. 71			
PCB-90/101/113	pg/L							DNQ Est. Conc. 120			
PCB-99	pg/L							DNQ Est. Conc. 51			
PCB110/115	pg/L							DNQ Est. Conc. 110			
PCB128/166	pg/L							DNQ Est. Conc. 7.4			
PCB135/151	pg/L							DNQ Est. Conc. 27			
PCB147/149	pg/L							DNQ Est. Conc. 59 (1)			
PCB153/168	pg/L							DNQ Est. Conc. 88			
PCB156/157	pg/L							DNQ Est. Conc. 16			
PCB18/30	pg/L							DNQ Est. Conc. 35			
PCB180/193	pg/L							DNQ Est. Conc. 50 (1)			
PCB20/28	pg/L							DNQ Est. Conc. 75 (1)			
PCB44/47/65	pg/L							DNQ Est. Conc. 230 (1)			
PCB49/69	pg/L							DNQ Est. Conc. 38			
PCBs as arochlors	ug/L	ND						ND			
PCBs as congeners	pg/L							121			
Pentachlorophenol	ug/L	ND			ND			ND			ND
Phenanthrene	ug/L	ND			ND			ND			ND
Phenol	ug/L	21.4			24.4			22.1			23.0
pH	SU	7.9	8.2	8.2	8.3	8.3	8.4	8.2	8.3	8.2	8.2
Pyrene	ug/L	ND			ND			ND			ND
Selenium	ug/L	DNQ Est. Conc. 0.64			DNQ Est. Conc. 0.96			DNQ Est. Conc. 0.65			DNQ Est. Conc. 0.63
Silver	ug/L	DNQ Est. Conc. 0.14			0.31			DNQ Est. Conc. 0.11			DNQ Est. Conc. 0.09
Tetrachloroethene	ug/L	ND			ND			ND			
Thallium	ug/L	ND			ND			ND			ND

Saugus Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND	EPA 625	5	0.50	50.0 - 100
n-Nitrosodimethylamine (NDMA)	ug/L			ND	ND	ND	EPA 625	5	0.34	50.0 - 100
n-Nitrosodiphenylamine	ug/L			ND	ND	ND	EPA 625	1	0.28	10.0 - 20.0
Naphthalene	ug/L			ND	ND	ND	EPA 625	1	0.13	10.0 - 20.0
Nickel	ug/L	3.27	4.67	2.64	4.65	13.1	EPA 200.8	1	0.07 - 0.12	1.00
Nitrobenzene	ug/L			ND	ND	ND	EPA 625	1	0.17	10.0 - 20.0
PCB-105	pg/L			30	30	30	EPA 1668C		3.3	21
PCB-114	pg/L			ND	ND	ND	EPA 1668C		3.0	21
PCB-118	pg/L			91 (1)	91	91 (1)	EPA 1668C		2.9	21
PCB-123	pg/L			ND	ND	ND	EPA 1668C		3.1	21
PCB-126	pg/L			ND	ND	ND	EPA 1668C		3.3	21
PCB-129/138/163	pg/L			DNQ Est. Conc. 120 (1)	ND	DNQ Est. Conc. 120 (1)	EPA 1668C		2.2	630
PCB-158	pg/L			DNQ Est. Conc. 8.6	ND	DNQ Est. Conc. 8.6	EPA 1668C		1.4	210
PCB-167	pg/L			ND	ND	ND	EPA 1668C		2.6	21
PCB-169	pg/L			ND	ND	ND	EPA 1668C		2.9	21
PCB-170	pg/L			DNQ Est. Conc. 21	ND	DNQ Est. Conc. 21	EPA 1668C		1.6	210
PCB-177	pg/L			ND	ND	ND	EPA 1668C		1.6	210
PCB-183	pg/L			DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14	EPA 1668C		1.4	210
PCB-187	pg/L			DNQ Est. Conc. 25 (1)	ND	DNQ Est. Conc. 25 (1)	EPA 1668C		1.1	210
PCB-189	pg/L			ND	ND	ND	EPA 1668C		1.1	21
PCB-194	pg/L			DNQ Est. Conc. 13	ND	DNQ Est. Conc. 13	EPA 1668C		1.2	210
PCB-201	pg/L			DNQ Est. Conc. 2.4 (2)	ND	DNQ Est. Conc. 2.4 (2)	EPA 1668C		0.81	210
PCB-206	pg/L			DNQ Est. Conc. 7.6	ND	DNQ Est. Conc. 7.6	EPA 1668C		2.2	210
PCB-37	pg/L			DNQ Est. Conc. 17	ND	DNQ Est. Conc. 17	EPA 1668C		4.4	210
PCB-52	pg/L			DNQ Est. Conc. 130	ND	DNQ Est. Conc. 130	EPA 1668C		4.7	210
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 150	ND	DNQ Est. Conc. 150	EPA 1668C		3.4	840
PCB-66	pg/L			DNQ Est. Conc. 63	ND	DNQ Est. Conc. 63	EPA 1668C		3.7	210
PCB-77	pg/L			DNQ Est. Conc. 7.1	ND	DNQ Est. Conc. 7.1	EPA 1668C		3.6	21
PCB-81	pg/L			ND	ND	ND	EPA 1668C		3.2	21
PCB-86/87/97/108/119	pg/L			DNQ Est. Conc. 71	ND	DNQ Est. Conc. 71	EPA 1668C		3.2	1300
PCB-90/101/113	pg/L			DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668C		3.2	630
PCB-99	pg/L			DNQ Est. Conc. 51	ND	DNQ Est. Conc. 51	EPA 1668C		3.4	210
PCB110/115	pg/L			DNQ Est. Conc. 110	ND	DNQ Est. Conc. 110	EPA 1668C		2.8	420
PCB128/166	pg/L			DNQ Est. Conc. 7.4	ND	DNQ Est. Conc. 7.4	EPA 1668C		1.7	420
PCB135/151	pg/L			DNQ Est. Conc. 27	ND	DNQ Est. Conc. 27	EPA 1668C		2.0	420
PCB147/149	pg/L			DNQ Est. Conc. 59 (1)	ND	DNQ Est. Conc. 59 (1)	EPA 1668C		1.8	420
PCB153/168	pg/L			DNQ Est. Conc. 88	ND	DNQ Est. Conc. 88	EPA 1668C		1.5	420
PCB156/157	pg/L			DNQ Est. Conc. 16	ND	DNQ Est. Conc. 16	EPA 1668C		3.7	42
PCB18/30	pg/L			DNQ Est. Conc. 35	ND	DNQ Est. Conc. 35	EPA 1668C		3.6	420
PCB180/193	pg/L			DNQ Est. Conc. 50 (1)	ND	DNQ Est. Conc. 50 (1)	EPA 1668C		1.3	420
PCB20/28	pg/L			DNQ Est. Conc. 75 (1)	ND	DNQ Est. Conc. 75 (1)	EPA 1668C		4.3	420
PCB44/47/65	pg/L			DNQ Est. Conc. 230 (1)	ND	DNQ Est. Conc. 230 (1)	EPA 1668C		4.2	630
PCB49/69	pg/L			DNQ Est. Conc. 38	ND	DNQ Est. Conc. 38	EPA 1668C		3.7	420
PCBs as arochlors	ug/L			ND	ND	ND	EPA 608			
PCBs as congeners	pg/L			121	121	121	EPA 1668C			
Pentachlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.62	10.0 - 20.0
Phenanthrene	ug/L			ND	ND	ND	EPA 625	5	0.31	50.0 - 100
Phenol	ug/L			21.4	22.7	24.4	EPA 625	1	0.12	10.0 - 20.0
pH	SU	8.4	8.1	7.9	8.2	8.4	SM 4500 H+ B		1.00	1.00 - 4.00
Pyrene	ug/L			ND	ND	ND	EPA 625	10	0.28	100 - 200
Selenium	ug/L			DNQ Est. Conc. 0.63	ND	DNQ Est. Conc. 0.96	EPA 200.8	2	0.04	1.00
Silver	ug/L			DNQ Est. Conc. 0.09	0.078	0.31	EPA 200.8	0.25	0.02	0.20
Tetrachloroethene	ug/L			ND	ND	ND	EPA 624	2	0.18 - 0.25	0.50
Thallium	ug/L			ND	ND	ND	EPA 200.8	1	0.015	0.25

Saugus Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Toluene	ug/L	DNQ Est. Conc. 0.38			0.82			0.53			
Total cyanide	ug/L	ND	DNQ Est. Conc. 2.4	DNQ Est. Conc. 1.6	DNQ Est. Conc. 2.1	DNQ Est. Conc. 1.9	DNQ Est. Conc. 2.4	DNQ Est. Conc. 1.4	DNQ Est. Conc. 2.2	DNQ Est. Conc. 2.1	DNQ Est. Conc. 1.5
Total suspended solids	mg/L	306	323	292	274	296	236	305	227	430	274
Total trihalomethanes	ug/L	4.8	5.0	7.8	10.3	5.0	4.5	4.6	4.6	5.6	7.1
Toxaphene	ug/L	ND						ND			
trans-1,2-Dichloroethene	ug/L	ND			ND			ND			
Trichloroethene	ug/L	ND			ND			ND			
Vinyl chloride	ug/L	ND			ND			ND			
Zinc	ug/L	136	330	150	233	226	178	131	138	94.1	83.7

Saugus Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Toluene	ug/L			DNQ Est. Conc. 0.38	0.45	0.82	EPA 624	2	0.08 - 0.19	0.50
Total cyanide	ug/L	DNQ Est. Conc. 2.8	DNQ Est. Conc. 2.9	ND	ND	DNQ Est. Conc. 2.9	EPA 335.4 & SM 4500 CN E		1.0 - 2.7	5.0
Total suspended solids	mg/L	304	338	227	300	430	SM 2540D		2.5	100
Total trihalomethanes	ug/L	8.9	7.9	4.5	6.3	10.3	EPA 624			0.50
Toxaphene	ug/L			ND	ND	ND	EPA 608	0.5	0.05	2.5 - 5.0
trans-1,2-Dichloroethene	ug/L			ND	ND	ND	EPA 624	1	0.16 - 0.45	0.50
Trichloroethene	ug/L			ND	ND	ND	EPA 624	2	0.25 - 0.28	0.50
Vinyl chloride	ug/L			ND	ND	ND	EPA 624	2	0.20 - 0.26	0.50
Zinc	ug/L	105	199	83.7	167	330	EPA 200.8	1	0.60 - 0.70	1.00 - 20.0

(1) Blank contamination observed.
(2) Possible interference observed. The measured ion ratio did not meet qualitative criteria for analysis and results are considered to be an estimated maximum possible concentration.

Saugus WRP Effluent Monitoring

Saugus Water Reclamation Plant
2018 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L	ND						ND			
1,1-Dichloroethene	ug/L	ND						ND			
1,1,1-Trichloroethane	ug/L	ND						ND			
1,1,2-Trichloroethane	ug/L	ND						ND			
1,1,2,2-Tetrachloroethane	ug/L	ND						ND			
1,2-Dichlorobenzene	ug/L	ND						ND			
1,2-Dichloroethane	ug/L	ND						ND			
1,2-Dichloropropane	ug/L	ND						ND			
1,2-Diphenylhydrazine	ug/L	ND						ND			
1,2,3-Trichloropropane	ug/L	ND						ND			
1,2,3,4,6,7,8-HeptaCDD	pg/L	ND (1)						ND (1)			
1,2,3,4,6,7,8-HeptaCDF	pg/L	ND (1)						ND (1)			
1,2,3,4,7,8-HexaCDD	pg/L	ND (1)						DNQ Est. Conc. 2.5			
1,2,3,4,7,8-HexaCDF	pg/L	DNQ Est. Conc. 0.33						ND			
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND						DNQ Est. Conc. 2.4			
1,2,3,6,7,8-HexaCDD	pg/L	ND						ND			
1,2,3,6,7,8-HexaCDF	pg/L	ND						ND			
1,2,3,7,8-PentaCDD	pg/L	ND						ND			
1,2,3,7,8-PentaCDF	pg/L	ND						ND			
1,2,3,7,8,9-HexaCDD	pg/L	ND (1)						ND			
1,2,3,7,8,9-HexaCDF	pg/L	ND (1)						ND (1)			
1,2,4-Trichlorobenzene	ug/L	ND						ND			
1,3-Dichlorobenzene	ug/L	ND						ND			
1,3-Dichloropropene (Total)	ug/L	ND						ND			
1,4-Dichlorobenzene	ug/L	ND						ND			
1,4-Dioxane	ug/L	0.84						1.1			
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND			
2-Chloronaphthalene	ug/L	ND						ND			
2-Chlorophenol	ug/L	ND						ND			
2-Methyl-4,6-dinitrophenol	ug/L	ND						ND			
2-Nitrophenol	ug/L	ND						ND			
2,3,4,6,7,8-HexaCDF	pg/L	ND						ND (1)			
2,3,4,7,8-PentaCDF	pg/L	ND						ND			
2,3,7,8-TCDD	pg/L	ND						ND			
2,3,7,8-TetraCDF	pg/L	ND						ND			
2,4-Dichlorophenol	ug/L	ND						ND			
2,4-Dimethylphenol	ug/L	ND						ND			
2,4-Dinitrophenol	ug/L	ND						ND			
2,4-Dinitrotoluene	ug/L	ND						ND			
2,4,6-Trichlorophenol	ug/L	ND						DNQ Est. Conc. 0.28			
2,6-Dinitrotoluene	ug/L	ND						ND			
3-Methyl-4-chlorophenol	ug/L	ND						ND			
3,3'-Dichlorobenzidine	ug/L	ND						ND			
4-Bromophenyl phenyl ether	ug/L	ND						ND			
4-Chlorophenyl phenyl ether	ug/L	ND						ND			
4-Nitrophenol	ug/L	ND						ND			
4,4-DDT	ug/L	ND						ND			
4,4'-DDD	ug/L	ND						ND			
4,4'-DDE	ug/L	ND						ND			
Acenaphthene	ug/L	ND						ND			
Acenaphthylene	ug/L	ND						ND			
Acrolein	ug/L	ND						ND			
Acrylonitrile	ug/L	ND						ND			
Aldrin	ug/L	ND						ND			
alpha-BHC	ug/L	ND						ND			
Ammonia as nitrogen	mg/L	0.948	0.786	0.916	0.861	0.875	0.779	0.900	0.937	0.675	0.828

Saugus Water Reclamation Plant
2018 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L			ND	ND	ND			EPA 624	1	0.20 - 0.22	0.50
1,1-Dichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.32 - 0.43	0.50
1,1,1-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.17 - 0.21	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.09 - 0.24	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND			EPA 624	1	0.11 - 0.13	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.07 - 0.18	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.11 - 0.22	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND			EPA 624	1	0.11 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625	1	0.20	1.0
1,2,3-Trichloropropane	ug/L			ND	ND	ND			EPA 524.2 (TCP)		0.0012 - 0.012	0.0050 - 0.050
1,2,3,4,6,7,8-HeptaCDD	pg/L			ND (1)	ND	ND (1)			EPA 1613B		0.25 - 0.64	51 - 56
1,2,3,4,6,7,8-HeptaCDF	pg/L			ND (1)	ND	ND (1)			EPA 1613B		0.30 - 0.72	51 - 56
1,2,3,4,7,8-HexaCDD	pg/L			ND (1)	ND	DNQ Est. Conc. 2.5			EPA 1613B		0.25 - 0.73	51 - 56
1,2,3,4,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.33			EPA 1613B		0.22 - 0.76	51 - 56
1,2,3,4,7,8,9-HeptaCDF	pg/L			ND	ND	DNQ Est. Conc. 2.4			EPA 1613B		0.38 - 0.99	51 - 56
1,2,3,6,7,8-HexaCDD	pg/L			ND	ND	ND			EPA 1613B		0.24 - 0.72	51 - 56
1,2,3,6,7,8-HexaCDF	pg/L			ND	ND	ND			EPA 1613B		0.21 - 0.68	51 - 56
1,2,3,7,8-PentaCDD	pg/L			ND	ND	ND			EPA 1613B		1.3 - 1.5	51 - 56
1,2,3,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.35 - 1.4	51 - 56
1,2,3,7,8,9-HexaCDD	pg/L			ND (1)	ND	ND (1)			EPA 1613B		0.23 - 0.64	51 - 56
1,2,3,7,8,9-HexaCDF	pg/L			ND (1)	ND	ND (1)			EPA 1613B		0.19 - 0.58	51 - 56
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND			EPA 625	5	0.19	5.0
1,3-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.08 - 0.21	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.16 - 0.18	0.50
1,4-Dioxane	ug/L			0.84	0.97	1.1			SW-846 8270MOD 1,4-Dioxane		0.05 - 0.13	0.40
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND			EPA 624	1	0.12 - 0.29	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625	10	0.13	10.0
2-Chlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.18	5.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	0.92	5.0
2-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	0.10	10.0
2,3,4,6,7,8-HexaCDF	pg/L			ND (1)	ND	ND (1)			EPA 1613B		0.18 - 0.54	51 - 56
2,3,4,7,8-PentaCDF	pg/L			ND	ND	ND			EPA 1613B		0.31 - 1.5	51 - 56
2,3,7,8-TCDD	pg/L			ND	ND	ND			EPA 1613B		0.21 - 0.87	10 - 11
2,3,7,8-TetraCDF	pg/L			ND	ND	ND			EPA 1613B		0.15 - 1.2	10 - 11
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.63	5.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625	2	0.88	2.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	2.8	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.27	5.0
2,4,6-Trichlorophenol	ug/L			ND	ND	DNQ Est. Conc. 0.28			EPA 625	10	0.21	10.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.28	5.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625	1	0.44	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625	5	0.81	5.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.27	5.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.32	5.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	1.3	10.0
4,4-DDT	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
4,4'-DDD	ug/L			ND	ND	ND			EPA 608	0.05	0.002	0.01
4,4'-DDE	ug/L			ND	ND	ND			EPA 608	0.05	0.001	0.01
Acenaphthene	ug/L			ND	ND	ND			EPA 625	1	0.22	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625	10	0.19	10.0
Acrolein	ug/L			ND	ND	ND			EPA 624		0.93 - 1.3	2.0
Acrylonitrile	ug/L			ND	ND	ND			EPA 624		0.20 - 0.79	2.0
Aldrin	ug/L			ND	ND	ND			EPA 608	0.005	0.002	0.005
alpha-BHC	ug/L			ND	ND	ND			EPA 608	0.01	0.0005	0.01
Ammonia as nitrogen	mg/L	0.766	0.958	0.675	0.852	0.958	5.6	2.0	SM 4500 NH3 G		0.020	0.100

Saugus Water Reclamation Plant
2018 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Anthracene	ug/L	ND						ND			
Antimony	ug/L	0.55			0.58			0.75			0.64
Aroclor 1016	ug/L							ND			
Aroclor 1221	ug/L							ND			
Aroclor 1232	ug/L							ND			
Aroclor 1242	ug/L							ND			
Aroclor 1248	ug/L							ND			
Aroclor 1254	ug/L							ND			
Aroclor 1260	ug/L							ND			
Arsenic	ug/L	DNQ Est. Conc. 0.90			1.01			DNQ Est. Conc. 0.96			DNQ Est. Conc. 0.78
Barium	ug/L	23.2			23.9			29.1			27.1
Benzene	ug/L	ND						ND			
Benzidine	ug/L	ND						ND			
Benzo(a)anthracene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND		ND
Benzo(a)pyrene	ug/L	ND			ND			ND			ND
Benzo(b)fluoranthene	ug/L	ND			ND			ND			ND
Benzo(g,h,i)perylene	ug/L	ND						ND			
Benzo(k)fluoranthene	ug/L	ND			ND			ND			ND
Beryllium	ug/L	ND						ND			
beta-BHC	ug/L	ND						DNQ Est. Conc. 0.004			
bis(2-Chloroethoxy) methane	ug/L	ND						ND			
bis(2-Chloroethyl) ether	ug/L	ND						ND			
bis(2-Chloroisopropyl) ether	ug/L	ND						ND			
bis(2-Ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 0.19						ND			
BOD	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.41	0.42	0.47	0.41	0.44	0.43	0.42	0.41	0.45	0.40
Bromodichloromethane	ug/L	15.8	12.4	21.1	18.3	16.3	16.6	17.6	14.0	8.7	14.9
Bromoform	ug/L	DNQ Est. Conc. 0.49	0.84	1.2	1.0	0.67	0.88	1.1	1.0	0.72	1.1
Butyl benzyl phthalate	ug/L	ND						ND			
Cadmium	ug/L	DNQ Est. Conc. 0.050			DNQ Est. Conc. 0.060			DNQ Est. Conc. 0.050			DNQ Est. Conc. 0.050
Carbon tetrachloride	ug/L	ND						ND			
Chlordane	ug/L	ND						ND			
Chloride	mg/L	104	105	114	107	108	105	109	109	113	113
Chlorobenzene	ug/L	ND						ND			
Chlorodibromomethane	ug/L	4.7	6.5	8.4	6.9	6.0	6.0	6.7	5.3	4.0	5.8
Chloroethane	ug/L	ND						ND			
Chloroform	ug/L	29.2	14.7	26.4	26.1	23.6	19.5	24.2	14.0	7.4	14.4
Chlorpyrifos	ug/L	ND						ND			
Chromium III	ug/L	ND						ND			
Chromium VI	ug/L	DNQ Est. Conc. 0.02						DNQ Est. Conc. 0.02			
Chromium, total	ug/L	DNQ Est. Conc. 0.26						DNQ Est. Conc. 0.40			
Chrysene	ug/L	ND			ND			ND			ND
Copper	ug/L	3.41	3.84	2.92	4.65	3.47	3.30	4.27	4.14	4.99	4.08
delta-BHC	ug/L	ND						ND			
Di-n-butyl phthalate	ug/L	ND						ND			
Di-n-octyl phthalate	ug/L	ND						ND			
Diazinon	ug/L	ND						ND			
Dibenzo(a,h)anthracene	ug/L	ND			ND			ND			ND
Dieldrin	ug/L	ND						ND			
Diethyl phthalate	ug/L	ND						DNQ Est. Conc. 0.52			
Dimethyl phthalate	ug/L	ND						ND			
Dissolved oxygen	mg/L	8.4	8.6	8.6	7.8	8.3	7.4	7.5	7.3	7.2	7.0
E. coli	MPN/100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	ug/L	ND						ND			
Endosulfan I	ug/L	ND						ND			
Endosulfan sulfate	ug/L	ND						ND			

Saugus Water Reclamation Plant
2018 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Anthracene	ug/L			ND	ND	ND			EPA 625	10	0.19	10.0
Antimony	ug/L			0.55	0.63	0.75			EPA 200.8	0.5	0.32	0.50
Aroclor 1016	ug/L			ND	ND	ND			EPA 608	0.5	0.03	0.1
Aroclor 1221	ug/L			ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L			ND	ND	ND			EPA 608	0.5	0.1	0.3
Aroclor 1242	ug/L			ND	ND	ND			EPA 608	0.5	0.04	0.1
Aroclor 1248	ug/L			ND	ND	ND			EPA 608	0.5	0.03	0.1
Aroclor 1254	ug/L			ND	ND	ND			EPA 608	0.5	0.02	0.05
Aroclor 1260	ug/L			ND	ND	ND			EPA 608	0.5	0.02	0.1
Arsenic	ug/L			DNQ Est. Conc. 0.78	0.253	1.01			EPA 200.8	2	0.14	1.00
Barium	ug/L			23.2	25.8	29.1			EPA 200.8		0.08	0.50
Benzene	ug/L			ND	ND	ND			EPA 624	2	0.11 - 0.15	0.50
Benzidine	ug/L			ND	ND	ND			EPA 625	5	1.8	5.0
Benzo(a)anthracene	ug/L	ND	ND	ND	ND	ND	0.098	0.049	EPA 610 & EPA 625	5	0.005 - 0.14	0.020 - 5.0
Benzo(a)pyrene	ug/L			ND	ND	ND			EPA 610	10	0.007	0.020
Benzo(b)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L			ND	ND	ND			EPA 625	5	0.12	5.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.005	0.020
Beryllium	ug/L			ND	ND	ND			EPA 200.8	0.5	0.030	0.25
beta-BHC	ug/L			ND	ND	DNQ Est. Conc. 0.004			EPA 608	0.005	0.004	0.005
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625	5	0.11	5.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625	1	0.20	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625	2	0.20	2.0
bis(2-Ethylhexyl) phthalate	ug/L			ND	ND	DNQ Est. Conc. 0.19			EPA 625	5	0.16	2.0
BOD	mg/L	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3
Boron	mg/L	0.43	0.41	0.40	0.43	0.47		1.5	EPA 200.8		0.008	0.020
Bromodichloromethane	ug/L	14.5	8.4	8.4	15	21.1			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L	1.0	0.53	DNQ Est. Conc. 0.49	0.84	1.2			EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.12	10.0
Cadmium	ug/L			DNQ Est. Conc. 0.050	ND	DNQ Est. Conc. 0.060			EPA 200.8	0.25	0.031	0.20
Carbon tetrachloride	ug/L			ND	ND	ND			EPA 624	2	0.17 - 0.28	0.50
Chlordane	ug/L			ND	ND	ND			EPA 608	0.1	0.02	0.05
Chloride	mg/L	107	114	104	109	114	230	(2)	EPA 300.0		0.040 - 0.100	10.0
Chlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.11 - 0.13	0.50
Chlorodibromomethane	ug/L	6.2	2.9	2.9	5.8	8.4			EPA 624	2	0.08 - 0.22	0.50
Chloroethane	ug/L			ND	ND	ND			EPA 624	2	0.18 - 0.22	0.50
Chloroform	ug/L	16.1	11.4	7.4	19	29.2			EPA 624	2	0.09 - 0.18	0.50
Chlorpyrifos	ug/L			ND	ND	ND			SW-846 8141A		0.003 - 0.0060	0.05 - 0.10
Chromium III	ug/L			ND	ND	ND			EPA 200.8			0.50
Chromium VI	ug/L			DNQ Est. Conc. 0.02	ND	DNQ Est. Conc. 0.02			EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L			DNQ Est. Conc. 0.26	ND	DNQ Est. Conc. 0.40			EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L			ND	ND	ND			EPA 610	10	0.005	0.020
Copper	ug/L	3.45	3.03	2.92	3.80	4.99	23	15	EPA 200.8	0.5	0.05 - 0.11	0.50
delta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.001	0.005
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.12	10.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.11	10.0
Diazinon	ug/L			ND	ND	ND			SW-846 8141A		0.004 - 0.0060	0.05 - 0.10
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Dieldrin	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L			ND	ND	DNQ Est. Conc. 0.52			EPA 625	2	0.26	2.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.28	2.0
Dissolved oxygen	mg/L	7.7	8.1	7.0	7.8	8.6			HACH 10360 LDO			
E. coli	MPN/100mL	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1.0
Endosulfan II	ug/L			ND	ND	ND			EPA 608	0.01	0.003	0.01
Endosulfan I	ug/L			ND	ND	ND			EPA 608	0.02	0.001	0.01
Endosulfan sulfate	ug/L			ND	ND	ND			EPA 608	0.05	0.002	0.01

Saugus Water Reclamation Plant
2018 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Endrin aldehyde	ug/L	ND						ND			
Endrin	ug/L	ND						ND			
Ethylbenzene	ug/L	ND						ND			
Fecal coliform	CFU/100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L	ND						ND			
Fluorene	ug/L	ND						ND			
Fluoride	mg/L	0.225			0.201			0.181			0.180
gamma-BHC (Lindane)	ug/L	DNQ Est. Conc. 0.008						DNQ Est. Conc. 0.008			
Gross alpha radioactivity	pCi/L	ND			1.00			ND			ND
Gross beta radioactivity	pCi/L	9.11			10.6			9.53			11.8
Heptachlor epoxide	ug/L	ND						ND			
Heptachlor	ug/L	ND						ND			
Hexachlorobenzene	ug/L	ND						ND			
Hexachlorobutadiene	ug/L	ND						ND			
Hexachlorocyclopentadiene	ug/L	ND						ND			
Hexachloroethane	ug/L	ND						ND			
Indeno (1,2,3-cd) pyrene	ug/L	ND			ND			ND			ND
Iron	ug/L	23.6			24.1			35.3			31.7
Isophorone	ug/L	ND						ND			
Lead	ug/L	DNQ Est. Conc. 0.14	DNQ Est. Conc. 0.14	DNQ Est. Conc. 0.11	DNQ Est. Conc. 0.15	DNQ Est. Conc. 0.24	DNQ Est. Conc. 0.23	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.18	0.26	0.27
Mercury	ug/L	0.0025	0.0025	0.0012	0.00093	0.0032	0.00077	0.0016	0.0018	0.0017	0.0012
Methyl bromide (Bromomethane)	ug/L	ND						ND			
Methyl chloride (Chloromethane)	ug/L	ND						ND			
Methyl tert-butyl ether (MTBE)	ug/L	ND						ND			
Methylene chloride	ug/L	ND						ND			
n-Nitrosodi-n-propylamine	ug/L	ND						ND			
n-Nitrosodimethylamine (NDMA)	ug/L	ND						ND			
n-Nitrosodiphenylamine	ug/L	ND						ND			
Naphthalene	ug/L	ND						ND			
Nickel	ug/L	1.15	1.10	DNQ Est. Conc. 0.98	1.62	1.20	1.34	1.46	1.37	1.52	1.42
Nitrate + Nitrite as nitrogen	mg/L	3.87	4.22	5.36	4.98	5.19	4.87	4.32	4.07	3.90	3.87
Nitrate as nitrogen	mg/L	3.86	4.17	5.33	4.96	5.16	4.82	4.27	3.96	3.84	3.79
Nitrite as nitrogen	mg/L	ND	0.048	ND	ND	0.034	0.048	0.051	0.109	0.059	0.082
Nitrobenzene	ug/L	ND						ND			
OctaCDD	pg/L	ND (1)						ND (1)			
OctaCDF	pg/L	ND (1)						ND			
Oil and grease	mg/L	ND			ND			ND			ND
Organic nitrogen	mg/L	1.08	2.04	1.04	0.939	0.975	2.09	1.28	1.49	1.44	1.27
Orthophosphate-P	mg/L	0.473			0.763			0.626			0.483
PCB-105	pg/L							ND			
PCB-114	pg/L							ND			
PCB-118	pg/L							ND			
PCB-123	pg/L							ND			
PCB-126	pg/L							ND			
PCB-129/138/163	pg/L							ND (1)			
PCB-158	pg/L							ND			
PCB-167	pg/L							ND			
PCB-169	pg/L							ND			
PCB-170	pg/L							ND			
PCB-177	pg/L							ND			
PCB-183	pg/L							DNQ Est. Conc. 2.6			
PCB-187	pg/L							ND (1)			
PCB-189	pg/L							ND			
PCB-194	pg/L							ND			
PCB-201	pg/L							ND			
PCB-206	pg/L							ND			

Saugus Water Reclamation Plant
2018 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Endrin aldehyde	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Endrin	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L			ND	ND	ND			EPA 624	2	0.10 - 0.18	0.50
Fecal coliform	CFU/100mL	ND	ND	ND	ND	ND			SM 9222D		1	1
Fluoranthene	ug/L			ND	ND	ND			EPA 625	1	0.24	1.0
Fluorene	ug/L			ND	ND	ND			EPA 625	10	0.35	10.0
Fluoride	mg/L			0.180	0.197	0.225			SM 4500 F C		0.004	0.100
gamma-BHC (Lindane)	ug/L			DNQ Est. Conc. 0.008	ND	DNQ Est. Conc. 0.008			EPA 608	0.02	0.001	0.01
Gross alpha radioactivity	pCi/L			ND	0.250	1.00	15		EPA 900.0		1.59 - 4.09	1.59 - 4.09
Gross beta radioactivity	pCi/L			9.11	10.3	11.8			EPA 900.0		1.68 - 2.30	1.68 - 4.00
Heptachlor epoxide	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L			ND	ND	ND			EPA 608	0.01	0.0009	0.01
Hexachlorobenzene	ug/L			ND	ND	ND			EPA 625	1	0.17	1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625	1	0.33	1.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND			EPA 625	5	0.53	5.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Iron	ug/L			23.6	28.7	35.3			EPA 200.8		3.0	20.0
Isophorone	ug/L			ND	ND	ND			EPA 625	1	0.11	1.0
Lead	ug/L	0.26	DNQ Est. Conc. 0.13	DNQ Est. Conc. 0.11	0.066	0.27	12	7	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L	0.0014	0.0013	0.00077	0.0017	0.0032	0.11	0.051	EPA 1631E		0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND			EPA 624	2	0.20 - 0.33	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND			EPA 624	2	0.15 - 0.19	0.50
Methyl tert-butyl ether (MTBE)	ug/L			ND	ND	ND			EPA 624		0.08 - 0.12	0.50
Methylene chloride	ug/L			ND	ND	ND			EPA 624	2	0.18 - 0.19	0.50
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND			EPA 625	5	0.50	5.0
n-Nitrosodimethylamine (NDMA)	ug/L			ND	ND	ND			EPA 625	5	0.34	5.0
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 625	1	0.28	1.0
Naphthalene	ug/L			ND	ND	ND			EPA 610 & EPA 625		0.012 - 0.13	0.020 - 1.0
Nickel	ug/L	1.26	DNQ Est. Conc. 0.92	DNQ Est. Conc. 0.92	1.12	1.62	117	89	EPA 200.8	1	0.07 - 0.12	1.00
Nitrate + Nitrite as nitrogen	mg/L	4.01	4.48	3.87	4.43	5.36		7.1	SM 4500 NO3 F		0.030	0.200
Nitrate as nitrogen	mg/L	3.96	4.40	3.79	4.38	5.33		7.1	SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.054	0.084	ND	0.047	0.109		0.9	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625	1	0.17	1.0
OctaCDD	pg/L			ND (1)	ND	ND (1)			EPA 1613B		0.34 - 0.99	100 - 110
OctaCDF	pg/L			ND (1)	ND	ND (1)			EPA 1613B		0.17 - 1.3	100 - 110
Oil and grease	mg/L			ND	ND	ND	15	10	EPA 1664A		1.2	4.4 - 4.6
Organic nitrogen	mg/L	1.16	1.29	0.939	1.34	2.09			EPA 351.2 & SM 4500 NH3 G		0.050 - 0.135	0.200
Orthophosphate-P	mg/L			0.473	0.586	0.763			EPA 365.1		0.001 - 0.025	0.030
PCB-105	pg/L			ND	ND	ND			EPA 1668C		3.0	21
PCB-114	pg/L			ND	ND	ND			EPA 1668C		2.9	21
PCB-118	pg/L			ND	ND	ND			EPA 1668C		2.8	21
PCB-123	pg/L			ND	ND	ND			EPA 1668C		2.9	21
PCB-126	pg/L			ND	ND	ND			EPA 1668C		3.1	21
PCB-129/138/163	pg/L			ND (1)	ND	ND (1)			EPA 1668C		1.8	630
PCB-158	pg/L			ND	ND	ND			EPA 1668C		1.1	210
PCB-167	pg/L			ND	ND	ND			EPA 1668C		0.75	21
PCB-169	pg/L			ND	ND	ND			EPA 1668C		0.76	21
PCB-170	pg/L			ND	ND	ND			EPA 1668C		1.2	210
PCB-177	pg/L			ND	ND	ND			EPA 1668C		1.2	210
PCB-183	pg/L			DNQ Est. Conc. 2.6	ND	DNQ Est. Conc. 2.6			EPA 1668C		1.0	210
PCB-187	pg/L			ND (1)	ND	ND (1)			EPA 1668C		1.4	210
PCB-189	pg/L			ND	ND	ND			EPA 1668C		0.97	21
PCB-194	pg/L			ND	ND	ND			EPA 1668C		1.5	210
PCB-201	pg/L			ND	ND	ND			EPA 1668C		0.77	210
PCB-206	pg/L			ND	ND	ND			EPA 1668C		1.9	210

Saugus Water Reclamation Plant
2018 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
PCB-37	pg/L							ND			
PCB-52	pg/L							DNQ Est. Conc. 11			
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 9.4			
PCB-66	pg/L							ND			
PCB-77	pg/L							ND			
PCB-81	pg/L							ND			
PCB-86/87/97/108/119	pg/L							ND			
PCB-90/101/113	pg/L							DNQ Est. Conc. 8.2			
PCB-99	pg/L							ND			
PCB110/115	pg/L							ND			
PCB128/166	pg/L							ND			
PCB135/151	pg/L							DNQ Est. Conc. 3.8			
PCB147/149	pg/L							ND (1)			
PCB153/168	pg/L							DNQ Est. Conc. 7.4			
PCB156/157	pg/L							ND			
PCB18/30	pg/L							DNQ Est. Conc. 10			
PCB180/193	pg/L							ND (1)			
PCB20/28	pg/L							DNQ Est. Conc. 10 (1)			
PCB44/47/65	pg/L							ND (1)			
PCB49/69	pg/L							DNQ Est. Conc. 2.7 (3)			
PCBs as arochlors	ug/L	ND						ND			
PCBs as congeners	pg/L							ND			
Pentachlorophenol	ug/L	ND						ND			
Perchlorate	ug/L	0.066			0.066			0.15			0.52
Phenanthrene	ug/L	ND						ND			
Phenol	ug/L	DNQ Est. Conc. 0.17						DNQ Est. Conc. 0.27			
pH	SU	7.3	7.3	7.5	7.4	7.4	7.4	7.3	7.4	7.4	7.4
Pyrene	ug/L	ND						ND			
Radium 226 + Radium 228	pCi/L							ND			ND
Selenium	ug/L	DNQ Est. Conc. 0.19			DNQ Est. Conc. 0.31			DNQ Est. Conc. 0.25			DNQ Est. Conc. 0.21
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	ND			ND			ND			ND
Strontium-90	pCi/L	0.244			0.120			ND			ND
Sulfate	mg/L	82.8	84.3	102	101	92.6	80.2	85.9	81.3	86.9	89.6
Surfactant (CTAS)	mg/L	ND			ND			ND			ND
Surfactant (MBAS)	mg/L	ND			ND			ND			ND
Temperature	Degrees F	71.7	72.0	72.2	73.7	74.6	78.1	81.9	83.2	82.0	79.6
Tetrachloroethene	ug/L	ND						ND			
Thallium	ug/L	ND						ND			
Toluene	ug/L	DNQ Est. Conc. 0.37						DNQ Est. Conc. 0.19			
Total coliform	CFU/100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L	DNQ Est. Conc. 2.70	DNQ Est. Conc. 2.14	DNQ Est. Conc. 1.60	DNQ Est. Conc. 2.04	DNQ Est. Conc. 2.06	DNQ Est. Conc. 2.07	ND	ND	DNQ Est. Conc. 2.12	DNQ Est. Conc. 1.26
Total dissolved solids	mg/L	425	456	518	514	478	456	457	464	619	509
Total hardness (CaCO3)	mg/L	145	141	191	170	148	129	141	131	154	133
Total Kjeldahl Nitrogen (TKN)	mg/L	2.03	2.82	1.96	1.80	1.85	2.87	2.18	2.43	2.11	2.10
Total nitrogen	mg/L	5.90	7.04	7.32	6.78	7.04	7.74	6.50	6.50	6.01	5.97
Total phosphorus	mg/L	0.52			0.975			0.542			0.548
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total trihalomethanes	ug/L	50.2	34.4	57.1	52.3	46.6	43.0	49.6	34.3	20.8	36.2
Toxaphene	ug/L	ND						ND			
Toxic equivalence	ug/L	ND						ND			
trans-1,2-Dichloroethene	ug/L	ND						ND			
Trichloroethene	ug/L	ND						ND			
Tritium	pCi/L	274			ND			ND			ND
Turbidity (flow proportioned avg daily value)	NTU	0.88	0.90	0.76	0.89	1.1	1.0	1.0	0.94	0.83	0.83

Saugus Water Reclamation Plant
2018 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
PCB-37	pg/L			ND	ND	ND			EPA 1668C		2.4	210
PCB-52	pg/L			DNQ Est. Conc. 11	ND	DNQ Est. Conc. 11			EPA 1668C		2.9	210
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 9.4	ND	DNQ Est. Conc. 9.4			EPA 1668C		2.3	850
PCB-66	pg/L			ND	ND	ND			EPA 1668C		2.5	210
PCB-77	pg/L			ND	ND	ND			EPA 1668C		2.6	21
PCB-81	pg/L			ND	ND	ND			EPA 1668C		2.6	21
PCB-86/87/97/108/119	pg/L			ND	ND	ND			EPA 1668C		3.0	1300
PCB-90/101/113	pg/L			DNQ Est. Conc. 8.2	ND	DNQ Est. Conc. 8.2			EPA 1668C		3.0	630
PCB-99	pg/L			ND	ND	ND			EPA 1668C		3.2	210
PCB110/115	pg/L			ND	ND	ND			EPA 1668C		2.7	420
PCB128/166	pg/L			ND	ND	ND			EPA 1668C		1.4	420
PCB135/151	pg/L			DNQ Est. Conc. 3.8	ND	DNQ Est. Conc. 3.8			EPA 1668C		1.6	420
PCB147/149	pg/L			ND (1)	ND	ND (1)			EPA 1668C		1.5	420
PCB153/168	pg/L			DNQ Est. Conc. 7.4	ND	DNQ Est. Conc. 7.4			EPA 1668C		1.2	420
PCB156/157	pg/L			ND	ND	ND			EPA 1668C		0.95	42
PCB18/30	pg/L			DNQ Est. Conc. 10	ND	DNQ Est. Conc. 10			EPA 1668C		3.0	420
PCB180/193	pg/L			ND (1)	ND	ND (1)			EPA 1668C		0.96	420
PCB20/28	pg/L			DNQ Est. Conc. 10 (1)	ND	DNQ Est. Conc. 10 (1)			EPA 1668C		2.3	420
PCB44/47/65	pg/L			ND (1)	ND	ND (1)			EPA 1668C		2.6	630
PCB49/69	pg/L			DNQ Est. Conc. 2.7 (3)	ND	DNQ Est. Conc. 2.7 (3)			EPA 1668C		2.3	420
PCBs as arochlors	ug/L			ND	ND	ND			EPA 608			
PCBs as congeners	pg/L			ND	ND	ND			EPA 1668C			
Pentachlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.62	1.0
Perchlorate	ug/L			0.066	0.20	0.52			EPA 331.0		0.0201	0.05
Phenanthrene	ug/L			ND	ND	ND			EPA 625	5	0.31	5.0
Phenol	ug/L			DNQ Est. Conc. 0.17	ND	DNQ Est. Conc. 0.27			EPA 625	1	0.12	1.0
pH	SU	7.4	7.5	7.3	7.4	7.5			SM 4500 H+ B		1.00	1.00 - 4.00
Pyrene	ug/L			ND	ND	ND			EPA 625	10	0.28	10.0
Radium 226 + Radium 228	pCi/L			ND	ND	ND	5		Drinking H2O Radium Sum Method			1.0
Selenium	ug/L			DNQ Est. Conc. 0.19	ND	DNQ Est. Conc. 0.31			EPA 200.8	2	0.04	1.00
Settleable solids	mL/L	ND	ND	ND	ND	ND	0.3	0.1	SM 2540F		0.1	0.1
Silver	ug/L			ND	ND	ND			EPA 200.8	0.25	0.02	0.20
Strontium-90	pCi/L			ND	0.091	0.244	8		EPA 905.0		0.244 - 0.517	0.244 - 3.00
Sulfate	mg/L	92.8	95.7	80.2	89.6	102		300	EPA 300.0		0.020 - 0.200	2.50
Surfactant (CTAS)	mg/L			ND	ND	ND			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L			ND	ND	ND		0.5	SM 5540C		0.03	0.10
Temperature	Degrees F	76.8	72.9	71.7	76.6	83.2	86		EPA 170.1 (oF)			
Tetrachloroethene	ug/L			ND	ND	ND			EPA 624	2	0.18 - 0.25	0.50
Thallium	ug/L			ND	ND	ND			EPA 200.8	1	0.015	0.25
Toluene	ug/L			DNQ Est. Conc. 0.19	ND	DNQ Est. Conc. 0.37			EPA 624	2	0.08 - 0.19	0.50
Total coliform	CFU/100mL	ND	ND	ND	ND	ND	(4)	(4)	SM 9222B		1	1
Total cyanide	ug/L	DNQ Est. Conc. 1.61	DNQ Est. Conc. 2.62	ND	ND	DNQ Est. Conc. 2.70	8.9	4.1	SM 4500 CN E	5	1.00	5.00
Total dissolved solids	mg/L	498	545	425	495	619		1,000	SM 2540C		2.7	25.0
Total hardness (CaCO3)	mg/L	138	161	129	149	191			EPA 200.8 & SM 2340C			0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	1.93	2.25	1.80	2.19	2.87			EPA 351.2		0.135	0.200 - 0.500
Total nitrogen	mg/L	5.94	6.73	5.90	6.62	7.74			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L			0.52	0.65	0.975			EPA 365.1		0.001 - 0.028	0.030 - 0.040
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.03	0.10
Total suspended solids	mg/L	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Total trihalomethanes	ug/L	37.8	23.2	20.8	40.5	57.1		80	EPA 624			0.50
Toxaphene	ug/L			ND	ND	ND			EPA 608	0.5	0.05	0.5
Toxic equivalence	ug/L			ND	ND	ND			EPA 1613B			
trans-1,2-Dichloroethene	ug/L			ND	ND	ND			EPA 624	1	0.16 - 0.45	0.50
Trichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.25 - 0.28	0.50
Tritium	pCi/L			ND	68.5	274	20,000		EPA 906.0		337 - 434	385 - 500
Turbidity (flow proportioned avg daily value)	NTU	0.85	0.92	0.76	0.91	1.1	2		SM 2130B		0.12	0.12

Saugus Water Reclamation Plant
2018 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Uranium	pCi/L	1.96			0.132			ND			ND
Vinyl chloride	ug/L	ND						ND			
Zinc	ug/L	66.5	66.7	59.7	76.4	76.9	82.7	94.2	89.3	82.3	84.2

Saugus Water Reclamation Plant
2018 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Uranium	pCi/L			ND	0.523	1.96	20		EPA 908.0		0.150 - 0.806	0.342 - 1.00
Vinyl chloride	ug/L			ND	ND	ND			EPA 624	2	0.20 - 0.26	0.50
Zinc	ug/L	74.6	77.7	59.7	77.6	94.2	218	189	EPA 200.8	1	0.60 - 0.70	1.00

(1) Blank contamination observed.
(2) The effluent chloride interim limit is equal to the sum of the State Water Project treated water supply chloride concentration plus 88 mg/L, expressed as a 12-month rolling average. See chapter 1 for more details.
(3) Possible interference observed. The measured ion ratio did not meet qualitative criteria for analysis and results are considered to be an estimated maximum possible concentration.
(4) The number of total coliform bacteria shall not exceed 2.2/100 mL as a 7-day median, 23/100 mL in more than one sample within any 30-day period, and 240/100 mL in any sample.

Valencia WRP Influent Monitoring

Valencia Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L	ND						ND			
1,1-Dichloroethene	ug/L	ND						ND			
1,1,1-Trichloroethane	ug/L	ND						ND			
1,1,2-Trichloroethane	ug/L	ND						ND			
1,1,2,2-Tetrachloroethane	ug/L	ND						ND			
1,2-Dichlorobenzene	ug/L	ND						ND			
1,2-Dichloroethane	ug/L	ND						ND			
1,2-Dichloropropane	ug/L	ND						ND			
1,2-Diphenylhydrazine	ug/L	ND						ND			
1,2,4-Trichlorobenzene	ug/L	ND						ND			
1,3-Dichlorobenzene	ug/L	ND						ND			
1,3-Dichloropropene (Total)	ug/L	ND						ND			
1,4-Dichlorobenzene	ug/L	ND						ND			
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND			
2-Chloronaphthalene	ug/L	ND						ND			
2-Chlorophenol	ug/L	ND						ND			
2-Methyl-4,6-dinitrophenol	ug/L	ND						ND			
2-Nitrophenol	ug/L	ND						ND			
2,3,7,8-TCDD	pg/L	ND						ND			
2,4-Dichlorophenol	ug/L	ND						ND			
2,4-Dimethylphenol	ug/L	ND						ND			
2,4-Dinitrophenol	ug/L	ND						ND			
2,4-Dinitrotoluene	ug/L	ND						ND			
2,4,6-Trichlorophenol	ug/L	ND						ND			
2,6-Dinitrotoluene	ug/L	ND						ND			
3-Methyl-4-chlorophenol	ug/L	ND						ND			
3,3'-Dichlorobenzidine	ug/L	ND						ND			
4-Bromophenyl phenyl ether	ug/L	ND						ND			
4-Chlorophenyl phenyl ether	ug/L	ND						ND			
4-Nitrophenol	ug/L	ND						ND			
4,4'-DDD	ug/L	ND						ND			
4,4'-DDE	ug/L	ND						ND			
4,4'-DDT	ug/L	ND						ND			
Acenaphthene	ug/L	ND						ND			
Acenaphthylene	ug/L	ND						ND			
Acrolein	ug/L	ND						ND			
Acrylonitrile	ug/L	ND						ND			
Aldrin	ug/L	ND						ND			
alpha-BHC	ug/L	ND						ND			
Anthracene	ug/L	ND						ND			
Antimony	ug/L	0.76						1.10			
Aroclor 1016	ug/L	ND						ND			
Aroclor 1221	ug/L	ND						ND			
Aroclor 1232	ug/L	ND						ND			
Aroclor 1242	ug/L	ND						ND			
Aroclor 1248	ug/L	ND						ND			
Aroclor 1254	ug/L	ND						ND			
Aroclor 1260	ug/L	ND						ND			
Arsenic	ug/L	1.40						1.62			
Benzene	ug/L	ND						ND			
Benzidine	ug/L	ND						ND			
Benzo(a)anthracene	ug/L	ND						ND			
Benzo(a)pyrene	ug/L	ND						ND			
Benzo(b)fluoranthene	ug/L	ND						ND			

Valencia Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L			ND	ND	ND	EPA 624	1	0.20	0.50
1,1-Dichloroethene	ug/L			ND	ND	ND	EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND	EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND	EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND	EPA 625	1	0.20	10.0 - 20.0
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND	EPA 625	5	0.19	50.0 - 100
1,3-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.08	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.16	0.50
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND	EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND	EPA 625	10	0.13	100 - 200
2-Chlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.18	50.0 - 100
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND	EPA 625	5	0.92	50.0 - 100
2-Nitrophenol	ug/L			ND	ND	ND	EPA 625	10	0.10	100 - 200
2,3,7,8-TCDD	pg/L			ND	ND	ND	EPA 1613B		0.29 - 0.50	10
2,4-Dichlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.63	50.0 - 100
2,4-Dimethylphenol	ug/L			ND	ND	ND	EPA 625	2	0.88	20.0 - 40.0
2,4-Dinitrophenol	ug/L			ND	ND	ND	EPA 625	5	2.8	50.0 - 100
2,4-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625	5	0.27	50.0 - 100
2,4,6-Trichlorophenol	ug/L			ND	ND	ND	EPA 625	10	0.21	100 - 200
2,6-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625	5	0.28	50.0 - 100
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND	EPA 625	1	0.44	10.0 - 20.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND	EPA 625	5	0.81	50.0 - 100
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625	5	0.27	50.0 - 100
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625	5	0.32	50.0 - 100
4-Nitrophenol	ug/L			ND	ND	ND	EPA 625	10	1.3	100 - 200
4,4'-DDD	ug/L			ND	ND	ND	EPA 608	0.05	0.001	0.01 - 0.10
4,4'-DDE	ug/L			ND	ND	ND	EPA 608	0.05	0.001	0.01 - 0.10
4,4'-DDT	ug/L			ND	ND	ND	EPA 608	0.01	0.003	0.01 - 0.10
Acenaphthene	ug/L			ND	ND	ND	EPA 625	1	0.22	10.0 - 20.0
Acenaphthylene	ug/L			ND	ND	ND	EPA 625	10	0.19	100 - 200
Acrolein	ug/L			ND	ND	ND	EPA 624		1.3	2.0
Acrylonitrile	ug/L			ND	ND	ND	EPA 624		0.20	2.0
Aldrin	ug/L			ND	ND	ND	EPA 608	0.005	0.0009	0.005 - 0.05
alpha-BHC	ug/L			ND	ND	ND	EPA 608	0.01	0.002	0.01 - 0.10
Anthracene	ug/L			ND	ND	ND	EPA 625	10	0.19	100 - 200
Antimony	ug/L			0.76	0.93	1.10	EPA 200.8	0.5	0.32	0.50
Aroclor 1016	ug/L			ND	ND	ND	EPA 608	0.5	0.02	0.1 - 1.0
Aroclor 1221	ug/L			ND	ND	ND	EPA 608	0.5	0.2	0.5 - 5.0
Aroclor 1232	ug/L			ND	ND	ND	EPA 608	0.5	0.09	0.3 - 3.0
Aroclor 1242	ug/L			ND	ND	ND	EPA 608	0.5	0.02	0.1 - 1.0
Aroclor 1248	ug/L			ND	ND	ND	EPA 608	0.5	0.02	0.1 - 1.0
Aroclor 1254	ug/L			ND	ND	ND	EPA 608	0.5	0.01	0.05 - 0.5
Aroclor 1260	ug/L			ND	ND	ND	EPA 608	0.5	0.01	0.1 - 1.0
Arsenic	ug/L			1.40	1.51	1.62	EPA 200.8	2	0.14	1.00
Benzene	ug/L			ND	ND	ND	EPA 624	2	0.15	0.50
Benzidine	ug/L			ND	ND	ND	EPA 625	5	1.8	50.0 - 100
Benzo(a)anthracene	ug/L			ND	ND	ND	EPA 625	5	0.14	50.0 - 100
Benzo(a)pyrene	ug/L			ND	ND	ND	EPA 625	10	0.19	100 - 200
Benzo(b)fluoranthene	ug/L			ND	ND	ND	EPA 625	10	0.22	100 - 200

Valencia Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Benzo(g,h,i)perylene	ug/L	ND						ND			
Benzo(k)fluoranthene	ug/L	ND						ND			
Beryllium	ug/L	ND						ND			
beta-BHC	ug/L	ND						ND			
bis(2-Chloroethoxy) methane	ug/L	ND						ND			
bis(2-Chloroethyl) ether	ug/L	ND						ND			
bis(2-Chloroisopropyl) ether	ug/L	ND						ND			
bis(2-Ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 7.0						ND			
BOD	mg/L	365	372	347	425	367	325	297	375	383	371
Bromodichloromethane	ug/L	DNQ Est. Conc. 0.37						0.64			
Bromoform	ug/L	0.52						0.82			
Butyl benzyl phthalate	ug/L	ND						DNQ Est. Conc. 2.7			
Cadmium	ug/L	DNQ Est. Conc. 0.080						0.23			
Carbon tetrachloride	ug/L	ND						ND			
Chlordane	ug/L	ND						ND			
Chloride	mg/L	106	109	105	105	105	105	106	116	119	114
Chlorobenzene	ug/L	ND						ND			
Chloroethane	ug/L	ND						ND			
Chloroform	ug/L	1.2						2.0			
Chromium III	ug/L	2.33						2.87			
Chromium VI	ug/L	0.15						0.11			
Chromium, total	ug/L	2.48						2.98			
Chrysene	ug/L	ND						ND			
Copper	ug/L	91.2						155			
delta-BHC	ug/L	ND						ND			
Di-n-butyl phthalate	ug/L	ND						ND			
Di-n-octyl phthalate	ug/L	ND						ND			
Dibenzo(a,h)anthracene	ug/L	ND						ND			
Dibromochloromethane	ug/L	0.50						0.85			
Dieldrin	ug/L	ND						ND			
Diethyl phthalate	ug/L	DNQ Est. Conc. 4.1						DNQ Est. Conc. 7.9			
Dimethyl phthalate	ug/L	ND						ND			
Endosulfan II	ug/L	ND						ND			
Endosulfan I	ug/L	ND						ND			
Endosulfan sulfate	ug/L	ND						ND			
Endrin aldehyde	ug/L	ND						ND			
Endrin	ug/L	ND						ND			
Ethylbenzene	ug/L	ND						ND			
Fluoranthene	ug/L	ND						ND			
Fluorene	ug/L	ND						ND			
gamma-BHC (Lindane)	ug/L	ND						DNQ Est. Conc. 0.03			
Heptachlor epoxide	ug/L	ND						DNQ Est. Conc. 0.02			
Heptachlor	ug/L	ND						ND			
Hexachlorobenzene	ug/L	ND						ND			
Hexachlorobutadiene	ug/L	ND						ND			
Hexachlorocyclopentadiene	ug/L	ND						ND			
Hexachloroethane	ug/L	ND						ND			
Indeno (1,2,3-cd) pyrene	ug/L	ND						ND			
Isophorone	ug/L	ND						ND			
Lead	ug/L	0.75						1.48			
Mercury	ug/L	0.04						0.28			
Methyl bromide (Bromomethane)	ug/L	ND						ND			
Methyl chloride (Chloromethane)	ug/L	ND						ND			
Methylene chloride	ug/L	DNQ Est. Conc. 0.22						0.62			

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Benzo(g,h,i)perylene	ug/L			ND	ND	ND	EPA 625	5	0.12	50.0 - 100
Benzo(k)fluoranthene	ug/L			ND	ND	ND	EPA 625	10	0.19	100 - 200
Beryllium	ug/L			ND	ND	ND	EPA 200.8	0.5	0.030	0.25
beta-BHC	ug/L			ND	ND	ND	EPA 608	0.005	0.002	0.005 - 0.05
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND	EPA 625	5	0.11	50.0 - 100
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND	EPA 625	1	0.20	10.0 - 20.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND	EPA 625	2	0.20	20.0 - 40.0
bis(2-Ethylhexyl) phthalate	ug/L			ND	ND	DNQ Est. Conc. 7.0	EPA 625	5	0.16	20.0 - 40.0
BOD	mg/L	385	385	297	366	425	SM 5210B		0.6	120 - 150
Bromodichloromethane	ug/L			DNQ Est. Conc. 0.37	0.32	0.64	EPA 624	2	0.17	0.50
Bromoform	ug/L			0.52	0.67	0.82	EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	DNQ Est. Conc. 2.7	EPA 625	10	0.12	100 - 200
Cadmium	ug/L			DNQ Est. Conc. 0.080	0.12	0.23	EPA 200.8	0.25	0.031	0.20
Carbon tetrachloride	ug/L			ND	ND	ND	EPA 624	2	0.28	0.50
Chlordane	ug/L			ND	ND	ND	EPA 608	0.1	0.01	0.05 - 0.50
Chloride	mg/L	104	108	104	109	119	EPA 300.0		0.040 - 0.100	10.0
Chlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.11	0.50
Chloroethane	ug/L			ND	ND	ND	EPA 624	2	0.18	0.50
Chloroform	ug/L			1.2	1.6	2.0	EPA 624	2	0.18	0.50
Chromium III	ug/L			2.33	2.60	2.87	EPA 200.8			0.50
Chromium VI	ug/L			0.11	0.13	0.15	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L			2.48	2.73	2.98	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L			ND	ND	ND	EPA 625	10	0.16	100 - 200
Copper	ug/L			91.2	123	155	EPA 200.8	0.5	0.11	0.50
delta-BHC	ug/L			ND	ND	ND	EPA 608	0.005	0.004	0.005 - 0.05
Di-n-butyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.12	100 - 200
Di-n-octyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.11	100 - 200
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	EPA 625	10	0.13	100 - 200
Dibromochloromethane	ug/L			0.50	0.68	0.85	EPA 624	2	0.14	0.50
Dieldrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.01 - 0.10
Diethyl phthalate	ug/L			DNQ Est. Conc. 4.1	ND	DNQ Est. Conc. 7.9	EPA 625	2	0.26	20.0 - 40.0
Dimethyl phthalate	ug/L			ND	ND	ND	EPA 625	2	0.28	20.0 - 40.0
Endosulfan II	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.01 - 0.10
Endosulfan I	ug/L			ND	ND	ND	EPA 608	0.02	0.001	0.01 - 0.10
Endosulfan sulfate	ug/L			ND	ND	ND	EPA 608	0.05	0.009	0.01 - 0.10
Endrin aldehyde	ug/L			ND	ND	ND	EPA 608	0.01	0.002	0.01 - 0.10
Endrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.01 - 0.10
Ethylbenzene	ug/L			ND	ND	ND	EPA 624	2	0.18	0.50
Fluoranthene	ug/L			ND	ND	ND	EPA 625	1	0.24	10.0 - 20.0
Fluorene	ug/L			ND	ND	ND	EPA 625	10	0.35	100 - 200
gamma-BHC (Lindane)	ug/L			ND	ND	DNQ Est. Conc. 0.03	EPA 608	0.02	0.0009	0.01 - 0.10
Heptachlor epoxide	ug/L			ND	ND	DNQ Est. Conc. 0.02	EPA 608	0.01	0.001	0.01 - 0.10
Heptachlor	ug/L			ND	ND	ND	EPA 608	0.01	0.0008	0.01 - 0.10
Hexachlorobenzene	ug/L			ND	ND	ND	EPA 625	1	0.17	10.0 - 20.0
Hexachlorobutadiene	ug/L			ND	ND	ND	EPA 625	1	0.33	10.0 - 20.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	EPA 625	5	0.53	50.0 - 100
Hexachloroethane	ug/L			ND	ND	ND	EPA 625	1	0.13	10.0 - 20.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND	EPA 625	10	0.12	100 - 200
Isophorone	ug/L			ND	ND	ND	EPA 625	1	0.11	10.0 - 20.0
Lead	ug/L			0.75	1.1	1.48	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L			0.04	0.2	0.28	EPA 245.1	0.5	0.004 - 0.017	0.04 - 0.050
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND	EPA 624	2	0.33	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND	EPA 624	2	0.19	0.50
Methylene chloride	ug/L			DNQ Est. Conc. 0.22	0.31	0.62	EPA 624	2	0.18	0.50

Valencia Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
n-Nitrosodi-n-propylamine	ug/L	ND						ND			
n-Nitrosodimethylamine (NDMA)	ug/L	ND						ND			
n-Nitrosodiphenylamine	ug/L	ND						ND			
Naphthalene	ug/L	ND						ND			
Nickel	ug/L	3.65						5.69			
Nitrobenzene	ug/L	ND						ND			
PCB-105	pg/L							100			
PCB-114	pg/L							ND			
PCB-118	pg/L							250			
PCB-123	pg/L							ND			
PCB-126	pg/L							ND			
PCB-129/138/163	pg/L							DNQ Est. Conc. 330			
PCB-158	pg/L							DNQ Est. Conc. 24 (1)			
PCB-167	pg/L							ND			
PCB-169	pg/L							ND			
PCB-170	pg/L							DNQ Est. Conc. 51			
PCB-177	pg/L							DNQ Est. Conc. 24			
PCB-183	pg/L							DNQ Est. Conc. 31 (2)			
PCB-187	pg/L							DNQ Est. Conc. 54			
PCB-189	pg/L							ND			
PCB-194	pg/L							DNQ Est. Conc. 31			
PCB-201	pg/L							DNQ Est. Conc. 3.6			
PCB-206	pg/L							DNQ Est. Conc. 19			
PCB-37	pg/L							DNQ Est. Conc. 81			
PCB-44	pg/L							247			
PCB-52	pg/L							600 (2)			
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 400 (2)			
PCB-66	pg/L							DNQ Est. Conc. 150			
PCB-77	pg/L							DNQ Est. Conc. 12			
PCB-81	pg/L							ND			
PCB-86/87/97/108/119	pg/L							DNQ Est. Conc. 240			
PCB-90/101/113	pg/L							DNQ Est. Conc. 370			
PCB-99	pg/L							DNQ Est. Conc. 150			
PCB110/115	pg/L							DNQ Est. Conc. 370			
PCB128/166	pg/L							DNQ Est. Conc. 23 (1)			
PCB135/151	pg/L							DNQ Est. Conc. 69			
PCB147/149	pg/L							DNQ Est. Conc. 170 (2)			
PCB153/168	pg/L							DNQ Est. Conc. 210 (2)			
PCB156/157	pg/L							DNQ Est. Conc. 41			
PCB18/30	pg/L							DNQ Est. Conc. 260 (2)			
PCB180/193	pg/L							DNQ Est. Conc. 130 (2)			
PCB20/28	pg/L							DNQ Est. Conc. 430 (2)			
PCB49/69	pg/L							DNQ Est. Conc. 250			
Pentachlorophenol	ug/L	ND						ND			
Phenanthrene	ug/L	ND						ND			
Phenol	ug/L	33.0						43.2			
pH	SU	7.8	7.7	7.6	7.9	7.7	7.7	7.6	7.7	7.7	7.9
Pyrene	ug/L	ND						ND			
Selenium	ug/L	1.01						1.17			
Silver	ug/L	DNQ Est. Conc. 0.14						0.37			
Tetrachloroethene	ug/L	ND						DNQ Est. Conc. 0.40			
Thallium	ug/L	ND						ND			
Toluene	ug/L	0.80						0.90			
Total cyanide	ug/L	ND						DNQ Est. Conc. 1.04			

Valencia Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND	EPA 1625 (Modified) & EPA 625	5	0.0003 - 0.50	0.020 - 100
n-Nitrosodimethylamine (NDMA)	ug/L			ND	ND	ND	EPA 1625 (Modified) & EPA 625	5	0.0005 - 0.34	0.020 - 100
n-Nitrosodiphenylamine	ug/L			ND	ND	ND	EPA 625	1	0.28	10.0 - 20.0
Naphthalene	ug/L			ND	ND	ND	EPA 625	1	0.13	10.0 - 20.0
Nickel	ug/L			3.65	4.67	5.69	EPA 200.8	1	0.12	1.00
Nitrobenzene	ug/L			ND	ND	ND	EPA 625	1	0.17	10.0 - 20.0
PCB-105	pg/L			100	100	100	EPA 1668C		4.1	23
PCB-114	pg/L			ND	ND	ND	EPA 1668C		3.9	23
PCB-118	pg/L			250	250	250	EPA 1668C		3.9	23
PCB-123	pg/L			ND	ND	ND	EPA 1668C		4.1	23
PCB-126	pg/L			ND	ND	ND	EPA 1668C		4.3	23
PCB-129/138/163	pg/L			DNQ Est. Conc. 330	ND	DNQ Est. Conc. 330	EPA 1668C		2.2	680
PCB-158	pg/L			DNQ Est. Conc. 24 (1)	ND	DNQ Est. Conc. 24 (1)	EPA 1668C		1.3	230
PCB-167	pg/L			ND	ND	ND	EPA 1668C		5.7	23
PCB-169	pg/L			ND	ND	ND	EPA 1668C		6.5	23
PCB-170	pg/L			DNQ Est. Conc. 51	ND	DNQ Est. Conc. 51	EPA 1668C		1.3	230
PCB-177	pg/L			DNQ Est. Conc. 24	ND	DNQ Est. Conc. 24	EPA 1668C		1.3	230
PCB-183	pg/L			DNQ Est. Conc. 31 (2)	ND	DNQ Est. Conc. 31 (2)	EPA 1668C		1.1	230
PCB-187	pg/L			DNQ Est. Conc. 54	ND	DNQ Est. Conc. 54	EPA 1668C		0.52	230
PCB-189	pg/L			ND	ND	ND	EPA 1668C		2.2	23
PCB-194	pg/L			DNQ Est. Conc. 31	ND	DNQ Est. Conc. 31	EPA 1668C		3.5	230
PCB-201	pg/L			DNQ Est. Conc. 3.6	ND	DNQ Est. Conc. 3.6	EPA 1668C		0.31	230
PCB-206	pg/L			DNQ Est. Conc. 19	ND	DNQ Est. Conc. 19	EPA 1668C		4.4	230
PCB-37	pg/L			DNQ Est. Conc. 81	ND	DNQ Est. Conc. 81	EPA 1668C		8.7	230
PCB-44	pg/L			247	247	247	EPA 1668C			32.9
PCB-52	pg/L			600 (2)	600	600 (2)	EPA 1668C		31	230
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 400 (2)	ND	DNQ Est. Conc. 400 (2)	EPA 1668C		6.0	910
PCB-66	pg/L			DNQ Est. Conc. 150	ND	DNQ Est. Conc. 150	EPA 1668C		6.4	230
PCB-77	pg/L			DNQ Est. Conc. 12	ND	DNQ Est. Conc. 12	EPA 1668C		6.9	23
PCB-81	pg/L			ND	ND	ND	EPA 1668C		5.9	23
PCB-86/87/97/108/119	pg/L			DNQ Est. Conc. 240	ND	DNQ Est. Conc. 240	EPA 1668C		4.3	1400
PCB-90/101/113	pg/L			DNQ Est. Conc. 370	ND	DNQ Est. Conc. 370	EPA 1668C		4.3	680
PCB-99	pg/L			DNQ Est. Conc. 150	ND	DNQ Est. Conc. 150	EPA 1668C		4.6	230
PCB110/115	pg/L			DNQ Est. Conc. 370	ND	DNQ Est. Conc. 370	EPA 1668C		3.8	460
PCB128/166	pg/L			DNQ Est. Conc. 23 (1)	ND	DNQ Est. Conc. 23 (1)	EPA 1668C		1.6	460
PCB135/151	pg/L			DNQ Est. Conc. 69	ND	DNQ Est. Conc. 69	EPA 1668C		1.9	460
PCB147/149	pg/L			DNQ Est. Conc. 170 (2)	ND	DNQ Est. Conc. 170 (2)	EPA 1668C		1.8	460
PCB153/168	pg/L			DNQ Est. Conc. 210 (2)	ND	DNQ Est. Conc. 210 (2)	EPA 1668C		1.5	460
PCB156/157	pg/L			DNQ Est. Conc. 41	ND	DNQ Est. Conc. 41	EPA 1668C		8.0	46
PCB18/30	pg/L			DNQ Est. Conc. 260 (2)	ND	DNQ Est. Conc. 260 (2)	EPA 1668C		2.9	460
PCB180/193	pg/L			DNQ Est. Conc. 130 (2)	ND	DNQ Est. Conc. 130 (2)	EPA 1668C		1.0	460
PCB20/28	pg/L			DNQ Est. Conc. 430 (2)	ND	DNQ Est. Conc. 430 (2)	EPA 1668C		7.1	460
PCB49/69	pg/L			DNQ Est. Conc. 250	ND	DNQ Est. Conc. 250	EPA 1668C		24	460
Pentachlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.62	10.0 - 20.0
Phenanthrene	ug/L			ND	ND	ND	EPA 625	5	0.31	50.0 - 100
Phenol	ug/L			33.0	38.1	43.2	EPA 625	1	0.12	10.0 - 20.0
pH	SU	7.9	7.8	7.6	7.8	7.9	SM 4500 H+ B		1.00	1.00 - 4.00
Pyrene	ug/L			ND	ND	ND	EPA 625	10	0.28	100 - 200
Selenium	ug/L			1.01	1.09	1.17	EPA 200.8	2	0.04	1.00
Silver	ug/L			DNQ Est. Conc. 0.14	0.19	0.37	EPA 200.8	0.25	0.02	0.20
Tetrachloroethene	ug/L			ND	ND	DNQ Est. Conc. 0.40	EPA 624	2	0.18	0.50
Thallium	ug/L			ND	ND	ND	EPA 200.8	1	0.015	0.25
Toluene	ug/L			0.80	0.85	0.90	EPA 624	2	0.19	0.50
Total cyanide	ug/L			ND	ND	DNQ Est. Conc. 1.04	EPA 335.4 & SM 4500 CN E		1.00 - 2.7	5.00

Valencia Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Total PCB as Aroclors	ug/L	ND						ND			
Total PCB as Congeners	ug/L							1200			
Total suspended solids	mg/L	440	434	430	610	466	457	534	504	573	734
Total trihalomethanes	ug/L	2.6						4.3			
Toxaphene	ug/L	ND						ND			
trans-1,2-Dichloroethene	ug/L	ND						ND			
Trichloroethene	ug/L	ND						ND			
Vinyl chloride	ug/L	ND						ND			
Zinc	ug/L	99.2						178			

Valencia Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
Total PCB as Aroclors	ug/L			ND	ND	ND	EPA 608			
Total PCB as Congeners	ug/L			1200	1200	1200	EPA 1668C			
Total suspended solids	mg/L	520	664	430	531	734	SM 2540D		2.5	50.0 - 100
Total trihalomethanes	ug/L			2.6	3.5	4.3	EPA 624			0.50
Toxaphene	ug/L			ND	ND	ND	EPA 608	0.5	0.08	0.5 - 5.0
trans-1,2-Dichloroethene	ug/L			ND	ND	ND	EPA 624	1	0.16	0.50
Trichloroethene	ug/L			ND	ND	ND	EPA 624	2	0.28	0.50
Vinyl chloride	ug/L			ND	ND	ND	EPA 624	2	0.26	0.50
Zinc	ug/L			99.2	139	178	EPA 200.8	1	0.60	1.00

(1) Possible interference observed. The measured ion ratio did not meet qualitative criteria for analysis and results are considered to be an estimated maximum possible concentration.
(2) Blank contamination observed.

Valencia WRP Effluent Monitoring

Valencia Water Reclamation Plant
2018 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L	ND						ND			
1,1-Dichloroethene	ug/L	ND						ND			
1,1,1-Trichloroethane	ug/L	ND						ND			
1,1,2-Trichloroethane	ug/L	ND						ND			
1,1,2,2-Tetrachloroethane	ug/L	ND						ND			
1,2-Dichlorobenzene	ug/L	ND						ND			
1,2-Dichloroethane	ug/L	ND						ND			
1,2-Dichloropropane	ug/L	ND						ND			
1,2-Diphenylhydrazine	ug/L	ND						ND			
1,2,3-Trichloropropane	ug/L	ND						ND			
1,2,3,4,6,7,8-HeptaCDD	pg/L	ND (1)			ND			ND (1)			ND (1)
1,2,3,4,6,7,8-HeptaCDF	pg/L	DNQ Est. Conc. 0.51 (2)			ND (1)			ND (1)			ND (1)
1,2,3,4,7,8-HexaCDD	pg/L	DNQ Est. Conc. 2.2 (1)			ND (1)			DNQ Est. Conc. 1.5 (2)			ND (1)
1,2,3,4,7,8-HexaCDF	pg/L	DNQ Est. Conc. 0.76 (1)			ND			ND			ND
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND			ND			ND			ND (1)
1,2,3,6,7,8-HexaCDD	pg/L	ND			ND			ND			ND (1)
1,2,3,6,7,8-HexaCDF	pg/L	ND (1)			ND			ND			ND
1,2,3,7,8-PentaCDD	pg/L	DNQ Est. Conc. 0.97			ND			ND			ND
1,2,3,7,8-PentaCDF	pg/L	ND (1)			DNQ Est. Conc. 1.2			DNQ Est. Conc. 0.86 (2)			ND
1,2,3,7,8,9-HexaCDD	pg/L	DNQ Est. Conc. 0.83 (2)			ND			ND			ND
1,2,3,7,8,9-HexaCDF	pg/L	ND (1)			ND (1)			ND (1)			ND (1)
1,2,4-Trichlorobenzene	ug/L	ND						ND			
1,3-Dichlorobenzene	ug/L	ND						ND			
1,3-Dichloropropene (Total)	ug/L	ND						ND			
1,4-Dichlorobenzene	ug/L	ND						ND			
1,4-Dioxane	ug/L	0.90						0.86			
2-Chloroethyl vinyl ether (mixed)	ug/L	ND						ND			
2-Chloronaphthalene	ug/L	ND						ND			
2-Chlorophenol	ug/L	ND						ND			
2-Methyl-4,6-dinitrophenol	ug/L	ND						ND			
2-Nitrophenol	ug/L	ND						ND			
2,3,4,6,7,8-HexaCDF	pg/L	DNQ Est. Conc. 0.52 (1)			ND			ND			ND
2,3,4,7,8-PentaCDF	pg/L	DNQ Est. Conc. 0.82 (2)			ND			ND			ND
2,3,7,8-TCDD	pg/L	DNQ Est. Conc. 0.60 (2)			ND			ND			ND
2,3,7,8-TetraCDF	pg/L	DNQ Est. Conc. 0.32 (2)			ND			ND (1)			ND
2,4-Dichlorophenol	ug/L	ND						ND			
2,4-Dimethylphenol	ug/L	ND						ND			
2,4-Dinitrophenol	ug/L	ND						ND			
2,4-Dinitrotoluene	ug/L	ND						ND			
2,4,6-Trichlorophenol	ug/L	DNQ Est. Conc. 0.29						ND			
2,6-Dinitrotoluene	ug/L	ND						ND			
3-Methyl-4-chlorophenol	ug/L	ND						ND			
3,3'-Dichlorobenzidine	ug/L	ND						ND			
4-Bromophenyl phenyl ether	ug/L	ND						ND			
4-Chlorophenyl phenyl ether	ug/L	ND						ND			
4-Nitrophenol	ug/L	ND						ND			
4,4'-DDD	ug/L	ND						ND			
4,4'-DDE	ug/L	ND						ND			
4,4'-DDT	ug/L	ND						ND			
Acenaphthene	ug/L	ND						ND			
Acenaphthylene	ug/L	ND						ND			
Acrolein	ug/L	ND						ND			
Acrylonitrile	ug/L	ND						ND			
Aldrin	ug/L	ND						ND			
alpha-BHC	ug/L	ND						ND			
Ammonia as nitrogen	mg/L	0.875	1.05	0.902	1.05	0.733	0.618	0.838	0.622	0.625	0.780

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L			ND	ND	ND			EPA 624	1	0.20	0.50
1,1-Dichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND			EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND			EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND			EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625	1	0.20	1.0
1,2,3-Trichloropropane	ug/L			ND	ND	ND			EPA 524.2 (TCP)		0.012	0.050
1,2,3,4,6,7,8-HeptaCDD	pg/L			ND (1)	ND	ND (1)			EPA 1613B		0.15 - 0.51	50 - 57
1,2,3,4,6,7,8-HeptaCDF	pg/L			ND (1)	ND	DNQ Est. Conc. 0.51 (2)			EPA 1613B		0.23 - 0.44	50 - 57
1,2,3,4,7,8-HexaCDD	pg/L			ND (1)	ND	DNQ Est. Conc. 2.2 (1)			EPA 1613B		0.18 - 1.1	50 - 57
1,2,3,4,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.76 (1)			EPA 1613B		0.12 - 1.8	50 - 57
1,2,3,4,7,8,9-HeptaCDF	pg/L			ND (1)	ND	ND (1)			EPA 1613B		0.33 - 0.54	50 - 57
1,2,3,6,7,8-HexaCDD	pg/L			ND (1)	ND	ND (1)			EPA 1613B		0.17 - 1.1	50 - 57
1,2,3,6,7,8-HexaCDF	pg/L			ND (1)	ND	ND (1)			EPA 1613B		0.10 - 1.7	50 - 57
1,2,3,7,8-PentaCDD	pg/L			ND	ND	DNQ Est. Conc. 0.97			EPA 1613B		0.26 - 1.4	50 - 57
1,2,3,7,8-PentaCDF	pg/L			ND (1)	ND	DNQ Est. Conc. 1.2			EPA 1613B		0.18 - 0.88	50 - 57
1,2,3,7,8,9-HexaCDD	pg/L			ND	ND	DNQ Est. Conc. 0.83 (2)			EPA 1613B		0.16 - 0.93	50 - 57
1,2,3,7,8,9-HexaCDF	pg/L			ND (1)	ND	ND (1)			EPA 1613B		0.11 - 1.0	50 - 57
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND			EPA 625	5	0.19	5.0
1,3-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.08	0.50
1,3-Dichloropropene (Total)	ug/L			ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.16	0.50
1,4-Dioxane	ug/L			0.86	0.88	0.90			SW-846 8270MOD 1,4-Dioxane		0.05 - 0.13	0.40
2-Chloroethyl vinyl ether (mixed)	ug/L			ND	ND	ND			EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625	10	0.13	10.0
2-Chlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.18	5.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	0.92	5.0
2-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	0.10	10.0
2,3,4,6,7,8-HexaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.52 (1)			EPA 1613B		0.090 - 1.2	50 - 57
2,3,4,7,8-PentaCDF	pg/L			ND	ND	DNQ Est. Conc. 0.82 (2)			EPA 1613B		0.20 - 0.93	50 - 57
2,3,7,8-TCDD	pg/L			ND	ND	DNQ Est. Conc. 0.60 (2)	0.028	0.014	EPA 1613B		0.21 - 1.0	10 - 11
2,3,7,8-TetraCDF	pg/L			ND	ND	DNQ Est. Conc. 0.32 (2)			EPA 1613B		0.12 - 0.55	10 - 11
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.63	5.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625	2	0.88	2.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	2.8	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.27	5.0
2,4,6-Trichlorophenol	ug/L			ND	ND	DNQ Est. Conc. 0.29			EPA 625	10	0.21	10.0
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.28	5.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625	1	0.44	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625	5	0.81	5.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.27	5.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.32	5.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	1.3	10.0
4,4'-DDD	ug/L			ND	ND	ND			EPA 608	0.05	0.001	0.01
4,4'-DDE	ug/L			ND	ND	ND			EPA 608	0.05	0.001	0.01
4,4'-DDT	ug/L			ND	ND	ND			EPA 608	0.01	0.003	0.01
Acenaphthene	ug/L			ND	ND	ND			EPA 625	1	0.22	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625	10	0.19	10.0
Acrolein	ug/L			ND	ND	ND			EPA 624		1.3	2.0
Acrylonitrile	ug/L			ND	ND	ND			EPA 624		0.20	2.0
Aldrin	ug/L			ND	ND	ND			EPA 608	0.005	0.0009	0.005
alpha-BHC	ug/L			ND	ND	ND			EPA 608	0.01	0.002	0.01
Ammonia as nitrogen	mg/L	1.39	0.965	0.618	0.871	1.39	5.2	1.75	SM 4500 NH3 G		0.020	0.100

Valencia Water Reclamation Plant
2018 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Anthracene	ug/L	ND						ND			
Antimony	ug/L	0.54						0.54			
Aroclor 1016	ug/L	ND						ND			
Aroclor 1221	ug/L	ND						ND			
Aroclor 1232	ug/L	ND						ND			
Aroclor 1242	ug/L	ND						ND			
Aroclor 1248	ug/L	ND						ND			
Aroclor 1254	ug/L	ND						ND			
Aroclor 1260	ug/L	ND						ND			
Arsenic	ug/L	DNQ Est. Conc. 0.74	DNQ Est. Conc. 0.84	DNQ Est. Conc. 0.87	DNQ Est. Conc. 0.51	DNQ Est. Conc. 0.54	DNQ Est. Conc. 0.67	DNQ Est. Conc. 0.68	DNQ Est. Conc. 0.97	DNQ Est. Conc. 0.85	DNQ Est. Conc. 0.71
Barium	mg/L	0.00874			0.00543			0.00555			0.00674
Benzene	ug/L	ND						ND			
Benzidine	ug/L	ND						ND			
Benzo(a)anthracene	ug/L	ND						ND			
Benzo(a)pyrene	ug/L	ND						ND			
Benzo(b)fluoranthene	ug/L	ND						ND			
Benzo(g,h,i)perylene	ug/L	ND						ND			
Benzo(k)fluoranthene	ug/L	ND						ND			
Beryllium	ug/L	ND						ND			
beta-BHC	ug/L	ND						ND			
bis(2-Chloroethoxy) methane	ug/L	ND						ND			
bis(2-Chloroethyl) ether	ug/L	ND						ND			
bis(2-Chloroisopropyl) ether	ug/L	ND						ND			
bis(2-Ethylhexyl) phthalate	ug/L	DNQ Est. Conc. 0.18	ND	ND	ND	ND	ND	ND	ND	ND	ND
BOD	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.46	0.48	0.51	0.39	0.44	0.47	0.42	0.44	0.45	0.39
Bromodichloromethane	ug/L	12.5	16.7	19.3	22.3	25.8	19.7	19.5	5.2	12.2	15.5
Bromoform	ug/L	0.55	1.2	1.2	2.2	1.8	1.7	1.4	DNQ Est. Conc. 0.22	1.0	1.5
Butyl benzyl phthalate	ug/L	ND						ND			
Cadmium	ug/L	ND			ND			ND			ND
Carbon tetrachloride	ug/L	ND						ND			
Chlordane	ug/L	ND						ND			
Chloride	mg/L	116	119	124	115	118	119	116	125	132	123
Chlorobenzene	ug/L	ND						ND			
Chloroethane	ug/L	ND						ND			
Chloroform	ug/L	17.6	16.4	19.8	17.4	19.6	17.4	23.2	7.3	12.4	13.8
Chlorpyrifos	ug/L	ND						ND			
Chromium III	ug/L	ND						ND			
Chromium VI	ug/L	DNQ Est. Conc. 0.01						DNQ Est. Conc. 0.02			
Chromium, total (GRAB)	ug/L	DNQ Est. Conc. 0.27						DNQ Est. Conc. 0.34			
Chromium, total (24-hr composite)	mg/L	DNQ Est. Conc. 0.00024			DNQ Est. Conc. 0.00018			0.00069			DNQ Est. Conc. 0.00034
Chrysene	ug/L	ND						ND			
Copper	ug/L	2.58	1.83	2.36	1.90	1.46	1.72	1.46	2.29	1.82	1.84
delta-BHC	ug/L	ND						ND			
Di-n-butyl phthalate	ug/L	ND						ND			
Di-n-octyl phthalate	ug/L	ND						ND			
Diazinon	ug/L	ND						ND			
Dibenzo(a,h)anthracene	ug/L	ND						ND			
Dibromochloromethane	ug/L	3.8	8.5	7.3	11.5	12.4	9.5	8.1	1.3	5.6	7.0
Dieldrin	ug/L	ND						ND			
Diethyl phthalate	ug/L	DNQ Est. Conc. 0.55						DNQ Est. Conc. 0.61			
Dimethyl phthalate	ug/L	ND						ND			
Dissolved oxygen	mg/L	8.2	8.3	8.4	8.4	8.2	8.0	7.8	7.5	7.5	7.7
E. coli	MPN/100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	ug/L	ND						ND			
Endosulfan I	ug/L	ND						ND			

Valencia Water Reclamation Plant
2018 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Anthracene	ug/L			ND	ND	ND			EPA 625	10	0.19	10.0
Antimony	ug/L			0.54	0.54	0.54			EPA 200.8	0.5	0.32	0.50
Aroclor 1016	ug/L			ND	ND	ND			EPA 608	0.5	0.02	0.1
Aroclor 1221	ug/L			ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L			ND	ND	ND			EPA 608	0.5	0.09	0.3
Aroclor 1242	ug/L			ND	ND	ND			EPA 608	0.5	0.02	0.1
Aroclor 1248	ug/L			ND	ND	ND			EPA 608	0.5	0.02	0.1
Aroclor 1254	ug/L			ND	ND	ND			EPA 608	0.5	0.01	0.05
Aroclor 1260	ug/L			ND	ND	ND			EPA 608	0.5	0.01	0.1
Arsenic	ug/L	DNQ Est. Conc. 0.76	DNQ Est. Conc. 0.68	DNQ Est. Conc. 0.51	ND	DNQ Est. Conc. 0.97			EPA 200.8	2	0.06 - 0.14	1.00
Barium	mg/L			0.00543	0.00662	0.00874			EPA 200.8		0.00008	0.00050
Benzene	ug/L			ND	ND	ND			EPA 624	2	0.15	0.50
Benzidine	ug/L			ND	ND	ND			EPA 625	5	1.8	5.0
Benzo(a)anthracene	ug/L			ND	ND	ND			EPA 625	5	0.14	5.0
Benzo(a)pyrene	ug/L			ND	ND	ND			EPA 610	10	0.007	0.020
Benzo(b)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L			ND	ND	ND			EPA 625	5	0.12	5.0
Benzo(k)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.005	0.020
Beryllium	ug/L			ND	ND	ND			EPA 200.8	0.5	0.030	0.25
beta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.002	0.005
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625	5	0.11	5.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625	1	0.20	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625	2	0.20	2.0
bis(2-Ethylhexyl) phthalate	ug/L	ND	ND	ND	ND	DNQ Est. Conc. 0.18		4	EPA 625	5	0.16	2.0
BOD	mg/L	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3
Boron	mg/L	0.42	0.43	0.39	0.44	0.51		1.5	EPA 200.8		0.008	0.020
Bromodichloromethane	ug/L	14.7	13.2	5.2	16	25.8			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L	1.1	1.2	DNQ Est. Conc. 0.22	1.2	2.2			EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.12	10.0
Cadmium	ug/L			ND	ND	ND			EPA 200.8	0.25	0.031	0.20
Carbon tetrachloride	ug/L			ND	ND	ND			EPA 624	2	0.28	0.50
Chlordane	ug/L			ND	ND	ND			EPA 608	0.1	0.01	0.05
Chloride	mg/L	118	119	115	120	132	230	(3)	EPA 300.0		0.040 - 0.100	10.0
Chlorobenzene	ug/L			ND	ND	ND			EPA 624	2	0.11	0.50
Chloroethane	ug/L			ND	ND	ND			EPA 624	2	0.18	0.50
Chloroform	ug/L	13.8	12.2	7.3	16	23.2			EPA 624	2	0.09 - 0.18	0.50
Chlorpyrifos	ug/L			ND	ND	ND			SW-846 8141A		0.003 - 0.0060	0.05 - 0.10
Chromium III	ug/L			ND	ND	ND			EPA 200.8			0.50
Chromium VI	ug/L			DNQ Est. Conc. 0.01	ND	DNQ Est. Conc. 0.02			EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total (GRAB)	ug/L			DNQ Est. Conc. 0.27	ND	DNQ Est. Conc. 0.34			EPA 200.8	0.5	0.11	0.50
Chromium, total (24-hr composite)	mg/L			DNQ Est. Conc. 0.00018	0.00017	0.00069			EPA 200.8	0.0005	0.00011	0.0050
Chrysene	ug/L			ND	ND	ND			EPA 610	10	0.005	0.020
Copper	ug/L	2.25	1.70	1.46	1.93	2.58	39	12	EPA 200.8	0.5	0.05 - 0.11	0.50
delta-BHC	ug/L			ND	ND	ND			EPA 608	0.005	0.004	0.005
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.12	10.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.11	10.0
Diazinon	ug/L			ND	ND	ND			SW-846 8141A		0.004 - 0.0060	0.05 - 0.10
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Dibromochloromethane	ug/L	6.7	6.6	1.3	7.4	12.4			EPA 624	2	0.08 - 0.22	0.50
Dieldrin	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L			DNQ Est. Conc. 0.55	ND	DNQ Est. Conc. 0.61			EPA 625	2	0.26	2.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.28	2.0
Dissolved oxygen	mg/L	7.8	8.4	7.5	8.0	8.4			HACH 10360 LDO			
E. coli	MPN/100mL	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1.0
Endosulfan II	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Endosulfan I	ug/L			ND	ND	ND			EPA 608	0.02	0.001	0.01

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Endosulfan sulfate	ug/L	ND						ND			
Endrin aldehyde	ug/L	ND						ND			
Endrin	ug/L	ND						ND			
Ethylbenzene	ug/L	ND						ND			
Fecal coliform	CFU/100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L	ND						ND			
Fluorene	ug/L	ND						ND			
Fluoride	mg/L	0.344			0.305			0.317			0.273
gamma-BHC (Lindane)	ug/L	ND						ND			
Gross alpha radioactivity	pCi/L	ND			ND			ND			ND
Gross beta radioactivity	pCi/L	15.1			20.5			13.4			11.8
Heptachlor epoxide	ug/L	ND						ND			
Heptachlor	ug/L	ND						ND			
Hexachlorobenzene	ug/L	ND						ND			
Hexachlorobutadiene	ug/L	ND						ND			
Hexachlorocyclopentadiene	ug/L	ND						ND			
Hexachloroethane	ug/L	ND						ND			
Indeno (1,2,3-cd) pyrene	ug/L	ND						ND			
Iron	ug/L	110	76.5	129	84.4	75.0	123	94.5	109	104	81.1
Isophorone	ug/L	ND						ND			
Lead	ug/L	DNQ Est. Conc. 0.06			DNQ Est. Conc. 0.04			DNQ Est. Conc. 0.11			DNQ Est. Conc. 0.08
Mercury	ug/L		0.0021	0.0013	0.00072	0.0027	0.00094	0.0018	0.0015	0.0014	0.0016
Methyl bromide (Bromomethane)	ug/L	ND						ND			
Methyl chloride (Chloromethane)	ug/L	ND						ND			
Methyl tert-butyl ether (MTBE)	ug/L	ND						ND			
Methylene chloride	ug/L	ND						ND			
n-Nitrosodi-n-propylamine	ug/L	ND						ND			
n-Nitrosodimethylamine (NDMA)	ug/L	ND						ND			
n-Nitrosodiphenylamine	ug/L	ND						ND			
Naphthalene	ug/L	ND						ND			
Nickel	ug/L	2.27			2.09			2.16			2.19
Nitrate + nitrite as nitrogen	mg/L	2.35	1.88	2.37	2.79	2.65	2.46	2.54	2.47	2.66	3.15
Nitrate as nitrogen	mg/L	2.34	1.84	2.34	2.75	2.62	2.42	2.52	2.45	2.63	3.12
Nitrite as nitrogen	mg/L	ND	0.041	ND	0.041	ND	0.037	ND	ND	0.034	0.035
Nitrobenzene	ug/L	ND						ND			
OctaCDD	pg/L	DNQ Est. Conc. 4.8 (1)			ND (1)			ND (1)			ND (1)
OctaCDF	pg/L	DNQ Est. Conc. 1.2 (1)			DNQ Est. Conc. 1.5			ND			ND (1)
Oil and grease	mg/L	ND			ND			ND			ND
Organic nitrogen	mg/L	1.14	1.55	1.50	1.47	1.62	1.39	1.32	1.58	1.58	0.465
Orthophosphate-P	mg/L	1.12			1.85			0.695			1.33
PCB-105	pg/L							DNQ Est. Conc. 1.7 (2)			
PCB-114	pg/L							ND			
PCB-118	pg/L							DNQ Est. Conc. 5.1 (2)			
PCB-123	pg/L							ND			
PCB-126	pg/L							ND			
PCB-129/138/163	pg/L							DNQ Est. Conc. 5.8			
PCB-158	pg/L							ND			
PCB-167	pg/L							ND			
PCB-169	pg/L							ND			
PCB-170	pg/L							ND			
PCB-177	pg/L							ND			
PCB-183	pg/L							ND			
PCB-187	pg/L							DNQ Est. Conc. 0.88			
PCB-189	pg/L							ND			
PCB-194	pg/L							ND			
PCB-201	pg/L							ND			

Valencia Water Reclamation Plant
2018 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Endosulfan sulfate	ug/L			ND	ND	ND			EPA 608	0.05	0.009	0.01
Endrin aldehyde	ug/L			ND	ND	ND			EPA 608	0.01	0.002	0.01
Endrin	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Ethylbenzene	ug/L			ND	ND	ND			EPA 624	2	0.18	0.50
Fecal coliform	CFU/100mL	ND	ND	ND	ND	ND			SM 9222D		1	1
Fluoranthene	ug/L			ND	ND	ND			EPA 625	1	0.24	1.0
Fluorene	ug/L			ND	ND	ND			EPA 625	10	0.35	10.0
Fluoride	mg/L			0.273	0.310	0.344			SM 4500 F C		0.004	0.100
gamma-BHC (Lindane)	ug/L			ND	ND	ND			EPA 608	0.02	0.0009	0.01
Gross alpha radioactivity	pCi/L			ND	ND	ND	15		EPA 900.0		2.08 - 4.69	2.08 - 4.69
Gross beta radioactivity	pCi/L			11.8	15.2	20.5			EPA 900.0		1.91 - 2.25	2.25 - 4.00
Heptachlor epoxide	ug/L			ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L			ND	ND	ND			EPA 608	0.01	0.0008	0.01
Hexachlorobenzene	ug/L			ND	ND	ND			EPA 625	1	0.17	1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625	1	0.33	1.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND			EPA 625	5	0.53	5.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Iron	ug/L	69.4	75.1	69.4	94.3	129		300	EPA 200.8		3.0 - 3.2	20.0
Isophorone	ug/L			ND	ND	ND			EPA 625	1	0.11	1.0
Lead	ug/L			DNQ Est. Conc. 0.04	ND	DNQ Est. Conc. 0.11			EPA 200.8	0.5	0.01	0.25
Mercury	ug/L	0.0011	0.0012	0.00072	0.0015	0.0027			EPA 1631E		0.00031	0.00050
Methyl bromide (Bromomethane)	ug/L			ND	ND	ND			EPA 624	2	0.33	0.50
Methyl chloride (Chloromethane)	ug/L			ND	ND	ND			EPA 624	2	0.19	0.50
Methyl tert-butyl ether (MTBE)	ug/L			ND	ND	ND			EPA 624		0.12	0.50
Methylene chloride	ug/L			ND	ND	ND			EPA 624	2	0.18	0.50
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND			EPA 1625 (Modified) & EPA 625		0.0003 - 0.50	0.0020 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L			ND	ND	ND			EPA 1625 (Modified) & EPA 625	5	0.0005 - 0.34	0.0020 - 5.0
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 625	1	0.28	1.0
Naphthalene	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
Nickel	ug/L			2.09	2.18	2.27			EPA 200.8	1	0.12	1.00
Nitrate + nitrite as nitrogen	mg/L	2.29	2.36	1.88	2.50	3.15		6.8	SM 4500 NO3 F		0.030	0.200
Nitrate as nitrogen	mg/L	2.23	2.32	1.84	2.47	3.12		6.8	SM 4500 NO3 F		0.030	0.200
Nitrite as nitrogen	mg/L	0.056	0.044	ND	0.024	0.056		0.9	SM 4500 NO3 F		0.003	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625	1	0.17	1.0
OctaCDD	pg/L			ND (1)	ND	DNQ Est. Conc. 4.8 (1)			EPA 1613B		0.21 - 0.86	100 - 110
OctaCDF	pg/L			ND (1)	ND	DNQ Est. Conc. 1.5			EPA 1613B		0.18 - 0.94	100 - 110
Oil and grease	mg/L			ND	ND	ND	15	10	EPA 1664A		1.2	4.5 - 5.2
Organic nitrogen	mg/L	1.25	1.46	0.465	1.36	1.62			EPA 351.2 & SM 4500 NH3 G		0.050 - 0.135	0.200
Orthophosphate-P	mg/L			0.695	1.25	1.85			EPA 365.1		0.001 - 0.025	0.030
PCB-105	pg/L			DNQ Est. Conc. 1.7 (2)	ND	DNQ Est. Conc. 1.7 (2)			EPA 1668C		0.60	22
PCB-114	pg/L			ND	ND	ND			EPA 1668C		0.58	22
PCB-118	pg/L			DNQ Est. Conc. 5.1 (2)	ND	DNQ Est. Conc. 5.1 (2)			EPA 1668C		0.55	22
PCB-123	pg/L			ND	ND	ND			EPA 1668C		0.56	22
PCB-126	pg/L			ND	ND	ND			EPA 1668C		0.62	22
PCB-129/138/163	pg/L			DNQ Est. Conc. 5.8	ND	DNQ Est. Conc. 5.8			EPA 1668C		0.41	660
PCB-158	pg/L			ND	ND	ND			EPA 1668C		0.25	220
PCB-167	pg/L			ND	ND	ND			EPA 1668C		0.27	22
PCB-169	pg/L			ND	ND	ND			EPA 1668C		0.28	22
PCB-170	pg/L			ND	ND	ND			EPA 1668C		0.34	220
PCB-177	pg/L			ND	ND	ND			EPA 1668C		0.33	220
PCB-183	pg/L			ND	ND	ND			EPA 1668C		0.28	220
PCB-187	pg/L			DNQ Est. Conc. 0.88	ND	DNQ Est. Conc. 0.88			EPA 1668C		0.24	220
PCB-189	pg/L			ND	ND	ND			EPA 1668C		0.20	22
PCB-194	pg/L			ND	ND	ND			EPA 1668C		0.23	220
PCB-201	pg/L			ND	ND	ND			EPA 1668C		0.19	220

Parameter	Units	January	February	March	April	May	June	July	August	September	October
PCB-206	pg/L							ND			
PCB-37	pg/L							DNQ Est. Conc. 2.9 (2)			
PCB-52	pg/L							ND (1)			
PCB-61/70/74/76	pg/L							DNQ Est. Conc. 8.9 (1)			
PCB-66	pg/L							DNQ Est. Conc. 3.2 (2)			
PCB-77	pg/L							DNQ Est. Conc. 1.1 (2)			
PCB-81	pg/L							ND			
PCB-86/87/97/108/119	pg/L							DNQ Est. Conc. 5.2			
PCB-90/101/113	pg/L							DNQ Est. Conc. 6.1 (2)			
PCB-99	pg/L							DNQ Est. Conc. 3.2 (2)			
PCB110/115	pg/L							DNQ Est. Conc. 7.8			
PCB128/166	pg/L							ND			
PCB135/151	pg/L							DNQ Est. Conc. 1.9			
PCB147/149	pg/L							ND (1)			
PCB153/168	pg/L							ND (1)			
PCB156/157	pg/L							ND			
PCB18/30	pg/L							ND (1)			
PCB180/193	pg/L							ND (1)			
PCB20/28	pg/L							DNQ Est. Conc. 9.2 (1)			
PCB44/47/65	pg/L							DNQ Est. Conc. 51 (1)			
PCB49/69	pg/L							DNQ Est. Conc. 2.6 (2)			
Pentachlorophenol	ug/L	ND						ND			
Perchlorate	ug/L	0.23						0.61			
Phenanthrene	ug/L	ND						ND			
Phenol	ug/L	DNQ Est. Conc. 0.13						ND			
pH	SU	7.2	7.2	7.3	7.2	7.3	7.3	7.3	7.3	7.3	7.3
Pyrene	ug/L	ND						ND			
Radium 226 + Radium 228	pCi/L							ND			ND
Selenium	ug/L	DNQ Est. Conc. 0.31	DNQ Est. Conc. 0.36	DNQ Est. Conc. 0.38	DNQ Est. Conc. 0.32	DNQ Est. Conc. 0.35	DNQ Est. Conc. 0.28	DNQ Est. Conc. 0.30	DNQ Est. Conc. 0.35	DNQ Est. Conc. 0.28	DNQ Est. Conc. 0.28
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	ND			ND			ND			ND
Strontium-90	pCi/L	0.279			ND			ND			ND
Sulfate	mg/L	155	149	173	145	153	144	127	133	139	132
Surfactant (CTAS)	mg/L	ND			ND			ND			ND
Surfactant (MBAS)	mg/L	ND			ND			ND			ND
Temperature	Degrees F	75.0	74.5	73.4	75.6	76.1	80.1	82.3	84.3	83.4	81.5
Tetrachloroethene	ug/L	ND						ND			
Thallium	ug/L	ND						ND			
Toluene	ug/L	ND						ND			
Total chlorinated hydrocarbons (TICH)	mg/L	ND			ND			ND			
Total coliform	CFU/100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total cyanide	ug/L	DNQ Est. Conc. 3.7	DNQ Est. Conc. 3.8	DNQ Est. Conc. 4.2	DNQ Est. Conc. 3.6	DNQ Est. Conc. 3.5	DNQ Est. Conc. 1.2	DNQ Est. Conc. 1.2	DNQ Est. Conc. 2.0	DNQ Est. Conc. 1.1	DNQ Est. Conc. 1.3
Total dissolved solids	mg/L	606	617	680	620	621	619	554	605	594	581
Total hardness (CaCO3)	mg/L	228	231	284	228	222	195	187	184	184	178
Total Kjeldahl Nitrogen (TKN)	mg/L	2.02	2.60	2.40	2.52	2.35	2.01	2.16	2.20	2.21	1.24
Total nitrogen	mg/L	4.36	4.48	4.77	5.31	5.00	4.47	4.70	4.68	4.87	4.40
Total phosphorus	mg/L	0.86			1.87			0.685			1.39
Total PCB Aroclors	ug/L	ND						ND			
Total PCB Congeners	pg/L							ND			
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total trihalomethanes	ug/L	34.4	42.8	47.6	53.4	59.6	48.3	52.2	13.8	31.2	37.8
Toxaphene	ug/L	ND						ND			
Toxic equivalence	pg/L	ND			ND			ND			ND
trans-1,2-Dichloroethene	ug/L	ND						ND			
Trichloroethene	ug/L	ND						ND			

Valencia Water Reclamation Plant
2018 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
PCB-206	pg/L			ND	ND	ND			EPA 1668C		0.75	220
PCB-37	pg/L			DNQ Est. Conc. 2.9 (2)	ND	DNQ Est. Conc. 2.9 (2)			EPA 1668C		1.3	220
PCB-52	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		0.83	220
PCB-61/70/74/76	pg/L			DNQ Est. Conc. 8.9 (1)	ND	DNQ Est. Conc. 8.9 (1)			EPA 1668C		0.61	880
PCB-66	pg/L			DNQ Est. Conc. 3.2 (2)	ND	DNQ Est. Conc. 3.2 (2)			EPA 1668C		0.65	220
PCB-77	pg/L			DNQ Est. Conc. 1.1 (2)	ND	DNQ Est. Conc. 1.1 (2)			EPA 1668C		0.67	22
PCB-81	pg/L			ND	ND	ND			EPA 1668C		0.69	22
PCB-86/87/97/108/119	pg/L			DNQ Est. Conc. 5.2	ND	DNQ Est. Conc. 5.2			EPA 1668C		0.62	1300
PCB-90/101/113	pg/L			DNQ Est. Conc. 6.1 (2)	ND	DNQ Est. Conc. 6.1 (2)			EPA 1668C		0.62	660
PCB-99	pg/L			DNQ Est. Conc. 3.2 (2)	ND	DNQ Est. Conc. 3.2 (2)			EPA 1668C		0.66	220
PCB110/115	pg/L			DNQ Est. Conc. 7.8	ND	DNQ Est. Conc. 7.8			EPA 1668C		0.55	440
PCB128/166	pg/L			ND	ND	ND			EPA 1668C		0.31	440
PCB135/151	pg/L			DNQ Est. Conc. 1.9	ND	DNQ Est. Conc. 1.9			EPA 1668C		0.36	440
PCB147/149	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		0.34	440
PCB153/168	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		0.28	440
PCB156/157	pg/L			ND	ND	ND			EPA 1668C		0.37	44
PCB18/30	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		1.2	440
PCB180/193	pg/L			ND (1)	ND (1)	ND (1)			EPA 1668C		0.26	440
PCB20/28	pg/L			DNQ Est. Conc. 9.2 (1)	ND	DNQ Est. Conc. 9.2 (1)			EPA 1668C		1.3	440
PCB44/47/65	pg/L			DNQ Est. Conc. 51 (1)	ND	DNQ Est. Conc. 51 (1)			EPA 1668C		0.75	660
PCB49/69	pg/L			DNQ Est. Conc. 2.6 (2)	ND	DNQ Est. Conc. 2.6 (2)			EPA 1668C		0.66	440
Pentachlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.62	1.0
Perchlorate	ug/L			0.23	0.42	0.61			EPA 331.0		0.0201	0.05
Phenanthrene	ug/L			ND	ND	ND			EPA 625	5	0.31	5.0
Phenol	ug/L			ND	ND	DNQ Est. Conc. 0.13			EPA 625	1	0.12	1.0
pH	SU	7.3	7.3	7.2	7.3	7.3			SM 4500 H+ B		1.00	1.00 - 4.00
Pyrene	ug/L			ND	ND	ND			EPA 625	10	0.28	10.0
Radium 226 + Radium 228	pCi/L			ND	ND	ND	5		Drinking H2O Radium Sum Method			1.0
Selenium	ug/L	DNQ Est. Conc. 0.40	DNQ Est. Conc. 0.42	DNQ Est. Conc. 0.28	ND	DNQ Est. Conc. 0.42	6.8	4.5	EPA 200.8	2	0.02 - 0.04	1.00
Settleable solids	mL/L	ND	ND	ND	ND	ND	0.3	0.1	SM 2540F		0.1	0.1
Silver	ug/L			ND	ND	ND			EPA 200.8	0.25	0.02	0.20
Strontium-90	pCi/L			ND	0.0698	0.279	8		EPA 905.0		0.237 - 0.496	0.288 - 3.00
Sulfate	mg/L	142	161	127	146	173		400	EPA 300.0		0.020 - 0.200	2.50
Surfactant (CTAS)	mg/L			ND	ND	ND			SM 5540D		0.10	0.10
Surfactant (MBAS)	mg/L			ND	ND	ND		0.5	SM 5540C		0.03	0.10
Temperature	Degrees F	77.6	75.3	73.4	78.3	84.3	86		EPA 170.1 (oF)			
Tetrachloroethene	ug/L			ND	ND	ND			EPA 624	2	0.18	0.50
Thallium	ug/L			ND	ND	ND			EPA 200.8	1	0.015	0.25
Toluene	ug/L			ND	ND	ND			EPA 624	2	0.19	0.50
Total chlorinated hydrocarbons (TICH)	mg/L			ND	ND	ND			EPA 608			
Total coliform	CFU/100mL	ND	ND	ND	ND	ND	(4)	(4)	SM 9222B		1	1
Total cyanide	ug/L	DNQ Est. Conc. 1.2	DNQ Est. Conc. 2.4	DNQ Est. Conc. 1.1	ND	DNQ Est. Conc. 4.2	7.0	4.7	SM 4500 CN E	5	1.0	5.0
Total dissolved solids	mg/L	637	648	554	615	680		1,000	SM 2540C		2.7	25.0
Total hardness (CaCO3)	mg/L	219	223	178	214	284			EPA 200.8 & SM 2340C		0.01	0.05 - 10
Total Kjeldahl Nitrogen (TKN)	mg/L	2.64	2.43	1.24	2.23	2.64			EPA 351.2		0.135	0.200 - 1.00
Total nitrogen	mg/L	4.93	4.79	4.36	4.73	5.31			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L			0.685	1.2	1.87			EPA 365.1		0.001 - 0.028	0.030 - 0.050
Total PCB Aroclors	ug/L			ND	ND	ND			EPA 608			
Total PCB Congeners	pg/L			ND	ND	ND			EPA 1668C			
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.03	0.10
Total suspended solids	mg/L	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Total trihalomethanes	ug/L	36.3	33.2	13.8	40.9	59.6		80	EPA 624			0.50
Toxaphene	ug/L			ND	ND	ND			EPA 608	0.5	0.08	0.5
Toxic equivalence	pg/L			ND	ND	ND			EPA 1613B			
trans-1,2-Dichloroethene	ug/L			ND	ND	ND			EPA 624	1	0.16	0.50
Trichloroethene	ug/L			ND	ND	ND			EPA 624	2	0.28	0.50

Valencia Water Reclamation Plant
2018 EFF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Tritium	pCi/L	ND			ND			ND			ND
Turbidity (flow proportioned avg daily value)	NTU	0.74	0.88	0.75	0.58	0.56	0.68	0.74	0.73	0.73	0.60
Uranium	pCi/L	0.297			0.132			ND			ND
Vinyl chloride	ug/L	ND						ND			
Zinc	ug/L	26.7			26.0			19.4			27.1

Valencia Water Reclamation Plant
2018 EFF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			NPDES Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Tritium	pCi/L			ND	ND	ND	20,000		EPA 906.0		358 - 434	434 - 500
Turbidity (flow proportioned avg daily value)	NTU	0.63	0.68	0.56	0.69	0.88	2		SM 2130B		0.12	0.12
Uranium	pCi/L			ND	0.107	0.297	20		EPA 908.0		0.148 - 0.470	0.342 - 1.00
Vinyl chloride	ug/L			ND	ND	ND			EPA 624	2	0.26	0.50
Zinc	ug/L			19.4	24.8	27.1			EPA 200.8	1	0.60	1.00

(1) Blank contamination observed.
(2) Possible interference observed. The measured ion ratio did not meet qualitative criteria for analysis and results are considered to be an estimated maximum possible concentration.
(3) The effluent chloride interim limit is equal to the sum of the State Water Project treated water supply chloride concentration plus 97 mg/L, expressed as a 12-month rolling average. See Chapter 1 for more details.
(4) The number of total coliform bacteria shall not exceed 2.2/100 mL as a 7-day median, 23/100 mL in more than one sample within any 30-day period, and 240/100 mL in any sample.

Valencia WRP Biosolids Monitoring

EPA	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460 BIOSOLIDS ANNUAL REPORT	FORM Approved OMB No. 2040-0004

EPA's sewage sludge regulations require certain publicly owned treatment works (POTWs) and Class I sewage sludge management facilities to submit to a Sewage Sludge (Biosolids) Annual Report (see 40 CFR 503.18 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_118), 503.28 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_128), 503.48 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_148)). Facilities that must submit a Sewage Sludge (Biosolids) Annual Report include POTWs with a design flow rate equal to or greater than one million gallons per day, POTWs that serve 10,000 people or more, Class I Sludge Management Facilities (as defined by 40 CFR 503.9 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_19)), and facilities otherwise required to file this report (e.g., permit condition, enforcement action, state law). This is the electronic form for Sewage Sludge (Biosolids) Annual Report filers to use if they are located in one of the states, tribes, or territories (https://www.epa.gov/npdes/npdes-state-program-information) where EPA administers the Federal biosolids program.

For the purposes of this form, the term 'sewage sludge (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_19)' also refers to the material that is commonly referred to as 'biosolids'. EPA does not have a regulatory definition for biosolids but this material is commonly referred to as sewage sludge that is placed on, or applied to the land to use the beneficial properties of the material as a soil amendment, conditioner, or fertilizer. EPA's use of the term 'biosolids' in this form is to confirm that information about beneficially used sewage sludge (a.k.a. biosolids) should be reported on this form.

Please note that EPA may contact you after you submit this report for more information regarding your sewage sludge management program.

Facility Information

Facility Name: LACSD - VALENCIA WRP

Program Information

Please select at least one of the following options pertaining to your obligation to submit a Sewage Sludge (Biosolids) Annual Report in compliance with 40 CFR part 503. The facility is:

- a Class I Sludge Management Facility as defined in 40 CFR 503.9
- a POTW with a design flow rate equal to or greater than one million gallons per day
- a POTW that serves 10,000 people or more

In the reporting period, did you manage your sewage sludge or biosolids using any of the following management practices: land application, surface disposal, or incineration?

☑ YES ☐ NO

If your facility is a POTW, please provide the estimated total amount of sewage sludge produced at your facility for the reporting period (in dry metric tons). If your facility is not a POTW, please provide the estimated total amount of biosolids produced at your facility for the reporting period (in dry metric tons).

4181

Reporting Period Start Date: 01/01/2018 **Reporting Period End Date:** 12/31/2018

Treatment Processes

Processes to Significantly Reduce Pathogens (PSRP):
Anaerobic Digestion

Processes to Further Reduce Pathogens (PFRP):

Physical Treatment Options:
Preliminary Operations (e.g., sludge grinding, degritting, blending)
Thickening (e.g., gravity and/or flotation thickening, centrifugation, belt filter press, vacuum filter)

Other Processes to Manage Sewage Sludge:
Methane or Biogas Capture and Recovery

Analytical Methods

Did you use any analytical methods to analyze sewage sludge in the reporting period? ☑ YES ☐ NO

Analytical Methods

- EPA Method 6020 - Arsenic (ICP-MS)
- EPA Method 6020 - Cadmium (ICP-MS)
- EPA Method 6020 - Chromium (ICP-MS)
- EPA Method 6020 - Copper (ICP-MS)
- EPA Method 6020 - Lead (ICP-MS)
- EPA Method 7471 - Mercury (CVAA)
- EPA Method 6020 - Molybdenum (ICP-MS)
- EPA Method 6020 - Nickel (ICP-MS)
- EPA Method 6020 - Selenium (ICP-MS)
- EPA Method 6020 - Zinc (ICP-MS)
- EPA Method 6020 - Beryllium (ICP-MS)
- Standard Method 4500-NH3 - Ammonia Nitrogen
- Standard Method 4500-Norg - Organic Nitrogen
- Standard Method 2540 - Total Solids
- Standard Method 2540 - Volatile Solids
- EPA Method 9045 - pH (> 7% solids)

Other Analytical Methods

- Other Nitrate Nitrogen Analytical Method
  Other Analytical Methods Text Area:

  SM 4500
  NO3

- Other Nitrogen Analytical Method
  Other Analytical Methods Text Area:

  Total Nitrogen
  Calculation

Sludge Management - Land Application

Sludge Management - Surface Disposal

ID: 002

Amount: 2743

Handler, Preparer, or Applier Type: Off-Site Third-Party Handler or Applier

NPDES ID of handler:

Facility Information:
H.M. Holloway Landfill
13850 Holloway Road
Lost Hills, CA 93249

Contact Information:
Chad Wright
Mine Superintendant
661-797-2320
cwright@hmhgypsum.com

Pathogen Class: Class B

Sewage Sludge or Biosolids Pathogen Reduction Options:

- Class B-Alternative 2 PSRP 3: Anaerobic Digestion

Sewage Sludge or Biosolids Vector Attraction Reduction Options:

- Option 1 - Volatile Solids Reduction

For the sewage sludge or biosolids generated or produced at your facility, did you or another person/facility use an active surface disposal site (e.g., monofill, surface impoundment, sludge lagoon, waste pile, dedicated disposal site, and dedicated beneficial use site) that did not have a liner and leachate collection system during the reporting period?

☐ YES ☑ NO ☐ UNKNOWN

Monitoring Data

INSTRUCTIONS: Pollutants, pathogen densities, and vector attraction reduction must be monitored when sewage sludge is placed on an active sewage sludge unit. Please use the following section to report monitoring data for the surface disposal conducted by you or your facility in the reporting period for this SSUID. These monitoring data should be representative of the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID (40 CFR 503.8(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_18)). All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis. EPA will be using these data to demonstrate compliance with EPA's surface disposal requirements (40 CFR 503, Subpart C).

Compliance Monitoring Periods

INSTRUCTIONS: Please use the table below to identify the start date and end date for each compliance monitoring period. The number of compliance monitoring periods reported will correspond to the required frequency of monitoring (monthly, quarterly, semi-annually, or annually). For example, if monthly monitoring is required, you should report 12 compliance monitoring periods. The required frequency is determined by the number of metric tons (dry weight basis) of sewage sludge or biosolids placed on an active sewage sludge unit in the reporting period for this SSUID (40 CFR 503.26 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_126)).

Compliance Monitoring Event No. 1 **Compliance Monitoring Period Start Date:** 01/01/2018 **Compliance Monitoring Period End Date:** 02/28/2018

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

Compliance Monitoring Event No. 2 **Compliance Monitoring Period Start Date:** 03/01/2018 **Compliance Monitoring Period End Date:** 04/30/2018

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

Compliance Monitoring Event No. 3 **Compliance Monitoring Period Start Date:** 05/01/2018 **Compliance Monitoring Period End Date:** 06/30/2018

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

Compliance Monitoring Event No. 4 **Compliance Monitoring Period Start Date:** 07/01/2018 **Compliance Monitoring Period End Date:** 08/31/2018

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

Compliance Monitoring Event No. 5 **Compliance Monitoring Period Start Date:** 09/01/2018 **Compliance Monitoring Period End Date:** 10/31/2018

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

Compliance Monitoring Event No. 6 **Compliance Monitoring Period Start Date:** 11/01/2018 **Compliance Monitoring Period End Date:** 12/31/2018

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

Sludge Management - Incineration

Sludge Management - Other Management Practice

ID: 001

Amount: 1438

Management Practice Detail: Other

Other Management Practice Detail Description: Composting

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler: CAL000243

Facility Information:
LIBERTY COMPOSTING
P.O. Box 5
Lost Hills, CA 93249

Contact Information:
Patrick McCarthy
General Manager
661-797-2914
patrickmccarthy@libertyrecyc.com

Pathogen Class: Class A EQ

Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN

Additional Information

Please enter any additional information that you would like to provide in the comment box below.

Additional Attachments

Name	Created Date	Size

Name	Created Date	Size
VAL 2018 NANI - EPA Report.pdf	02/13/2019 3:03 PM	121.77 KB

Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Signing an electronic document on behalf of another person is subject to criminal, civil, administrative, or other lawful action.

Certified By: Matthew J. Bao (MATTHEWBAO)

Certified On: 02/14/2019 4:04 PM

2018 BIOSOLIDS MANAGEMENT PROGRAM
Valencia Water Reclamation Plant
mg/kg Dry Weight (unless otherwise noted)

Sample No.	Date	% TS	As	Cd	Cr	Cu	Pb	Hg	Mo	Ni	Se	Zn
18011000442	1/10/2018	14.5	5.37	1.5	18.9	859	9.05	1.4	11.9	21.0	6.0	789
18020800443	2/7/2018	19.9	4.37	1.4	-	785	8.47	1.6	10.1	18.1	5.3	722
18030700458	3/7/2018	19.4	4.20	1.4	-	709	8.40	0.11	10.2	17.8	5.6	763
18040400450	4/4/2018	18.6	4.28	1.4	14.3	742	7.31	0.70	10.1	17.6	5.1	713
18050200569	5/2/2018	20.9	4.24	1.4	-	812	9.58	0.67	10.2	18.3	5.2	869
18060600465	6/6/2018	22.0	4.27	1.7	-	769	8.04	0.65	9.68	17.8	5.1	756
18071100429	7/11/2018	20.7	2.52	1.9	7.57	859	4.15	0.77	5.25	9.39	2.9	828
18080800373	8/8/2018	18.8	4.60	2.1	-	861	9.36	1.0	10.5	19.8	5.7	872
18090600279	9/5/2018	18.6	4.38	1.7	-	941	10.8	1.1	11.2	18.7	5.4	879
18100300416	10/3/2018	21.8	4.04	1.5	14.3	914	9.31	0.59	10.1	18.5	5.3	872
18110700413	11/7/2018	17.0	3.76	1.4	-	755	7.90	0.56	8.70	16.0	5.0	703
18120500347	12/5/2018	19.4	4.70	1.5	-	835	7.57	0.65	10.1	19.8	5.4	742
MEAN		**19.3**	**4.23**	**1.6**	**13.8**	**820**	**8.33**	**0.82**	**9.8**	**17.7**	**5.2**	**792**
MAX			**5.37**	**2.1**	**18.9**	**941**	**10.8**	**1.6**	**11.9**	**21.0**	**6.0**	**879**
TABLE 1 LIMITS		****	**75**	**85**	****	**4,300**	**840**	**57**	**75**	**420**	**100**	**7,500**
TABLE 3 LIMITS		****	**41**	**39**	****	**1,500**	**300**	**17**	****	**420**	**100**	**2,800**

Sample No.	Date	% TS	NH_3-N	Org-N	NO_3-N	NO_2-N	PO_4 *	Boron	K	pH	Paint Filter Test (mL/100g)	TN**	TN Bi-Monthly Ave
18011000442	1/10/2018	14.5	11,600	80,700	< 13.8	17.1	65,600	39.4	2,090	8.6	< 1.0	92,300	
18020800443	2/7/2018	19.9	8,210	60,000	< 10.0	16.8	49,300	-	-	-	-	68,200	80,300
18030700458	3/7/2018	19.4	8,900	58,000	14.5	6.92	90,300	-	-	-	-	66,900	
18040400450	4/4/2018	18.6	11,400	62,800	< 10.7	8.97	106,000	33.1	1,440	8.3	< 1.0 [A]	74,200	70,600
18050200569	5/2/2018	20.9	9,320	64,200	10.8	5.56	71,000	-	-	-	-	73,500	
18060600465	6/6/2018	22.0	9,270	50,600	< 9.08	7.57	93,600	-	-	-	-	59,900	66,700
18071100429	7/11/2018	20.7	9,740	59,500	14.0	8.23	95,000	18.8	850	8.1	< 1.0 [B]	69,300	
18080800373	8/8/2018	18.8	10,300	64,900	< 10.7	6.34	109,000	-	-	-	-	75,200	72,300
18090600279	9/5/2018	18.6	9,370	71,600	< 10.8	5.51	74,000	-	-	-	-	81,000	
18100300416	10/3/2018	21.8	8,820	62,000	< 9.2	2.93	97,500	33.6	1,420	7.9	< 1.0 [C]	70,800	75,900
18110700413	11/7/2018	17.0	11,700	61,300	< 11.8	12.2	90,800	-	-	-	-	73,000	
18120500347	12/5/2018	19.4	10,700	56,200	< 10.3	6.42	99,400	-	-	-	-	66,900	70,000
MEAN		**19.3**	**9,900**	**62,700**	**13.1**	**8.7**	**86,800**	**31.2**	**1,450**	**8.2**	**ND**		
MAX			**11,700**	**80,700**	**14.5**	**17.1**	**109,000**	**39.4**	**2,090**	**8.6**	**ND**		

\ = No limit
Statistics use detected values only.
* = Previous January and February data were reported incorrectly in as found basis.
** = TN calculation is the sum of Org-N, NH_3-N, NO_3-N, and NO_2-N; uses half the NO_3-N result if the result was non-detect, as shown by the "<".
A = Lab ID: 18040400451
B = Lab ID: 18071100430
C = Lab ID: 18100300417

4th Quarter 2018 BIOSOLIDS MANAGEMENT PROGRAM
Valencia Biosolids Cake - Soluble Metals Concentrations - mg/L
Analyzed by California Title 22 Waste Extraction Test

Sample No.	Date	Al	Sb	As	Ba	Be	Cd	Cr	Co	Cu
18011000444	1/10/2018	33.4	0.02	< 0.05	5.8	< 0.01	< 0.005	0.11	< 0.04	< 0.10
18040400452	4/4/2018	33.0	0.01	< 0.05	3.2	< 0.01	< 0.005	0.09	< 0.04	< 0.10
18071100431	7/11/2018	18.5	0.02	< 0.05	1.9	< 0.01	< 0.005	0.11	< 0.04	< 0.10
18100300418	10/3/2018	55.1	0.03	< 0.05	4.4	< 0.01	< 0.005	0.12	< 0.04	< 0.10
MEAN		**35.0**	**0.02**	**ND**	**3.8**	**ND**	**ND**	**0.11**	**ND**	**ND**
MAX		**55.1**	**0.03**	**ND**	**5.8**	**ND**	**ND**	**0.12**	**ND**	**ND**
TITLE 22 STLCs		****	**15**	**5.0**	**100**	**0.75**	**1.0**	**5**	**80**	**25**

Sample No.	Date	Pb	Hg	Mo	Ni	Se	Ag	Tl	Sn	V	Zn
18011000444	1/10/2018	0.03	< 0.0005	0.06	< 1.0	< 0.020	< 0.02	< 0.040	< 0.04	0.40	8.91
18040400452	4/4/2018	0.02	< 0.0015	0.06	< 1.0	< 0.020	< 0.02	< 0.040	< 0.04	0.46	7.33
18071100431	7/11/2018	0.03	< 0.0011	0.04	< 1.0	< 0.020	< 0.02	< 0.040	< 0.04	0.23	4.39
18100300418	10/3/2018	0.05	< 0.095	0.09	< 1.0	< 0.020	< 0.02	< 0.040	< 0.04	0.45	10.6
MEAN		**0.03**	**ND**	**0.06**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.39**	**7.80**
MAX		**0.05**	**ND**	**0.09**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.46**	**10.6**
TITLE 22 STLCs		**5.0**	**0.2**	**350**	**20**	**1.0**	**5**	**7.0**	****	**24**	**250**

ND = Not Detected

\ = No limit

Statistics use detected values only.

2018 BIOSOLIDS MANAGEMENT PROGRAM

VALENCIA WATER RECLAMATION PLANT
Digester Performance

Month	Temp (°F)	Detention Time (Days)	VSD (%)	VSD Bi-Monthly Avg (%)
January	97.5	37	59	-
February	97.4	44	58	59
March	97.6	41	57	-
April	97.6	41	60	59
May	97.8	40	63	-
June	97.6	47	64	64
July	97.4	39	65	-
August	97.6	41	64	65
September	98.3	38	64	-
October	98.3	42	64	64
November	98.4	41	65	-
December	98.2	41	66	66
MEAN	**97.8**	**41**	**62**	**-**
MIN	**97.4**	**37**	**57**	**-**

Quarterly Valencia Biosolids Cake
Detected Priority Pollutants
mg/kg on a Dry Weight Basis

Date	1/10/2018	4/4/2018	7/11/2018	10/3/2018
Sample Number(s)	18011000442	18040400450	18071100428	18100300416
		18040400451	18071100429	18100300417
Constituent	**Result**	**Result**	**Result**	**Result**
Total Cyanide	< 0.25	2.31	3.10	7.81
Total Chromium	18.9	14.3	7.6	14.3
Arsenic	5.37	4.28	2.52	4.04
Antimony	2.19	1.83	1.27	2.19
Beryllium	0.07	0.06	0.08	ND
Cadmium	1.5	1.4	1.9	1.5
Copper	859	742	859	914
Lead	9.05	7.31	4.15	9.31
Mercury	1.35	0.70	0.77	0.59
Nickel	21.0	17.6	9.4	18.5
Selenium	6.0	5.1	2.9	5.3
Silver	3.37	3.00	1.62	3.7
Zinc	789	713	828	872

VALENCIA WATER RECLAMATION PLANT
2018 Biosolids Cake Quarterly 24-Hour Composite Samples (VOC's - Grab Samples)

Sample Number(s)	18011000441	18040400451	18071100428	18100300415	
	18011000442	18040400452	18071100429	18100300416	
	18011000443	18040400453	18071100430	18100300417	
				18100300418	
Sample Date	01/10/18	04/04/18	07/11/18	10/03/18	Dry Weight
Description	Result	Result	Result	Result	Unit of Measure
TOTAL CYANIDE	< 0.25	2.31	3.10	7.81	MG/KG
TOTAL CHROMIUM	18.9	14.3	7.6	14.3	MG/KG
TOTAL SOLIDS	14.5	18.6	20.7	21.8	%
ARSENIC	5.37	4.28	2.52	4.04	MG/KG
CADMIUM	1.5	1.4	1.9	1.5	MG/KG
COPPER	859	742	859	914	MG/KG
LEAD	9.05	7.31	4.15	9.31	MG/KG
MERCURY	1.35	0.70	0.77	0.59	MG/KG
NICKEL	21.0	17.6	9.4	18.5	MG/KG
SELENIUM	6.0	5.1	2.9	5.3	MG/KG
SILVER	3.4	3.0	1.6	3.7	MG/KG
ZINC	789	713	828	872	MG/KG
ANTIMONY	2.19	1.83	1.27	2.19	MG/KG
BERYLLIUM	0.07	0.06	0.08	< 0.10	MG/KG
THALLIUM	< 0.10	< 0.10	< 0.10	< 0.20	MG/KG
COBALT	3.09	2.67	1.53	2.48	MG/KG
BARIUM	242	241	125	239	MG/KG
MANGANESE	107	107	58	110	MG/KG
MOLYBDENUM	11.9	10.1	5.25	10.1	MG/KG
VANADIUM	46.6	39.0	20.8	31.1	MG/KG
PHENOLS	58.0	40.0	< 20	< 18	MG/KG
FLUORIDE	17.0	22.0	18.0	10.0	MG/KG
TOTAL ORGANIC CARBON	2,140,000	1,900,000	1,820,000	346,000	MG/KG
TOTAL ORGANIC HALOGEN (TOX)	< 280	< 128	< 260	< 220.000	MG/KG
ETHYL PARATHION	< 26.000	< 8.300	< 4.200	< 9.100	MG/KG
DEMETON	< 26.000	< 8.300	< 4.200	< 9.100	MG/KG
GUTHION	< 26.000	< 8.300	< 4.200	< 9.100	MG/KG
MALATHION	< 26.000	< 8.300	< 4.200	< 9.100	MG/KG
OP'-DDE	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
PP'-DDE	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
OP'-DDD	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
PP'-DDD	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
OP'-DDT	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
PP'-DDT	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
ALPHA-BHC	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
LINDANE (GAMMA-BHC)	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
HEPTACHLOR	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
HEPTACHLOR EPOXIDE	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
ALDRIN	< 0.050	< 0.050	< 0.050	< 0.050	MG/KG
DIELDRIN	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
ENDRIN	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
TOXAPHENE	< 0.350	< 0.350	< 0.350	< 0.350	MG/KG
METHOXYCLOR	< 0.025	< 0.025	< 0.025	0.025	MG/KG
2,4-D(ACID)	< 3.500	< 1.900	< 9.000	< 3.100	MG/KG
2,4,5-TP(SILVEX)	< 3.500	< 1.900	< 9.000	< 3.100	MG/KG
AROCLOR 1242	< 0.300	< 0.300	< 0.300	< 0.300	MG/KG
AROCLOR 1254	< 0.200	< 0.200	< 0.200	< 0.200	MG/KG
BETA-BHC	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
DELTA-BHC	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
ENDOSULFAN I	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
ENDOSULFAN II	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
ENDOSULFAN SULFATE	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
ENDRIN ALDEHYDE	< 0.250	< 0.250	< 0.250	< 0.250	MG/KG
AROCLOR 1016	< 0.200	< 0.200	< 0.200	< 0.200	MG/KG
AROCLOR 1221	< 0.300	< 0.300	< 0.300	< 0.300	MG/KG
AROCLOR 1232	< 0.300	< 0.300	< 0.300	< 0.300	MG/KG
AROCLOR 1248	< 0.150	< 0.150	< 0.150	< 0.150	MG/KG
AROCLOR 1260	< 0.150	< 0.150	< 0.150	< 0.150	MG/KG
TECHNICAL CHLORDANE	< 0.150	< 0.150	< 0.150	< 0.150	MG/KG

VALENCIA WATER RECLAMATION PLANT
2018 Biosolids Cake Quarterly 24-Hour Composite Samples (VOC's - Grab Samples)

Sample Number(s)	18011000441	18040400451	18071100428	18100300415	
	18011000442	18040400452	18071100429	18100300416	
	18011000443	18040400453	18071100430	18100300417	
				18100300418	
Sample Date	01/10/18	04/04/18	07/11/18	10/03/18	Dry Weight
Description	Result	Result	Result	Result	Unit of Measure
MIREX	< 0.025	< 0.025	< 0.025	< 0.025	MG/KG
METHYLENE CHLORIDE	< 3.200	< 2.900	< 2.300	< 0.370	MG/KG
CHLOROFORM	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
1,1,1-TRICHLOROETHANE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
CARBON TETRACHLORIDE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
1,1-DICHLOROETHENE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
TRICHLOROETHYLENE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
TETRACHLOROETHYLENE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
BROMODICHLOROMETHANE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
DIBROMOCHLOROMETHANE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
BROMOFORM	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
CHLOROBENZENE	< 3.200	< 2.900	< 2.300	< 0.074*	MG/KG
VINYL CHLORIDE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
O-DICHLOROBENZENE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
M-DICHLOROBENZENE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
P-DICHLOROBENZENE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
1,1-DICHLOROETHANE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
1,1,2-TRICHLOROETHANE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
1,2-DICHLOROETHANE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
BENZENE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
TOLUENE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
ETHYL BENZENE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
TRANS-1,2-DICHLOROETHYLENE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
BROMOMETHANE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
CHLOROETHANE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
2-CHLOROETHYLVINYLETHER	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
CHLOROMETHANE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
1,2-DICHLOROPROPANE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
CIS-1,3-DICHLOROPROPENE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
TRANS-1,3-DICHLOROPROPENE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
1,1,2,2-TETRACHLOROETHANE	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
ACROLEIN	< 3.200	< 2.900	< 2.300	< 0.930	MG/KG
ACRYLONITRILE	< 3.200	< 2.900	< 2.300	< 0.190	MG/KG
FREON 12 (CCL2F2)	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
FREON 11 (CCL3F)	< 3.200	< 2.900	< 2.300	< 0.093	MG/KG
2-BUTANONE	< 3.200	< 2.900	6.100	4.100	MG/KG
2,4,5-TRICHLOROPHENOL	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
ACENAPHTHENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
ACENAPHTHYLENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
ANTHRACENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
BENZIDINE	< 279	< 240	< 255	< 238	MG/KG
BENZO(A)ANTHRACENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
BENZO(A)PYRENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
BENZO(B)FLUORANTHENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
BENZO(G.H.I.)PERYLENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
BENZO(K)FLUORANTHENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
BIS(2-CL-ETHOXY)METHANE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
BIS(2-CHLOROETHYL)ETHER	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
BIS(2-CL-ISOPROPYL)ETHER	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
DIETHYLHEXYL PHTHALATE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
4-BROMOPHENYL PHENYLETHER	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
BUTYLBENZYL PHTHALATE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
2-CHLORONAPHTHALENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
4-CHLOROPHENYLPHENYLETHER	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
CHRYSENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
DIBENZO(A,H)ANTHRACENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
1,2-DICHLOROBENZENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
1,3-DICHLOROBENZENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
1,4-DICHLOROBENZENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG

VALENCIA WATER RECLAMATION PLANT
2018 Biosolids Cake Quarterly 24-Hour Composite Samples (VOC's - Grab Samples)

Sample Number(s)	18011000441	18040400451	18071100428	18100300415	
	18011000442	18040400452	18071100429	18100300416	
	18011000443	18040400453	18071100430	18100300417	
				18100300418	
Sample Date	01/10/18	04/04/18	07/11/18	10/03/18	Dry Weight
Description	Result	Result	Result	Result	Unit of Measure
3,3'-DICHLOROBENZIDINE	< 111	< 96.1	< 102	< 95.3	MG/KG
DIETHYL PHTHALATE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
DIMETHYL PHTHALATE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
DI-N-BUTYL PHTHALATE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
2,4-DINITROTOLUENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
2,6-DINITROTOLUENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
DI-N-OCTYL PHTHALATE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
1,2-DIPHENYLHYDRAZINE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
1,2,4-TRICHLOROBENZENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
2,3,7,8-TCDD	< 11	< 9.2	< 10	< 9.3	MG/KG
2,4,6-TRICHLOROPHENOL	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
2,4-DICHLOROPHENOL	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
2,4-DIMETHYLPHENOL	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
2,4-DINITROPHENOL	< 55.7	< 96.1	< 102	< 95.3	MG/KG
2-CHLOROPHENOL	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
2-METHYL-4,6DINITROPHENOL	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
2-NITROPHENOL	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
4-CHLORO-3-METHYLPHENOL	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
4-NITROPHENOL	< 111	< 96.1	< 102	< 95.3	MG/KG
FLUORANTHENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
FLUORENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
HEXACHLOROBENZENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
HEXACHLOROBUTADIENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
HEXACHLOROCYCLOPENTADIENE	< 111	< 96.1	< 51.0	< 95.3	MG/KG
HEXACHLOROETHANE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
INDENO(1,2,3-C,D)PYRENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
ISOPHORONE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
M+P CRESOL	< 111	< 96.1	< 102	< 95.3	MG/KG
NAPHTHALENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
NITROBENZENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
N-NITROSODIMETHYLAMINE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
N-NITROSODI-N-PROPYLAMINE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
N-NITROSODIPHENYLAMINE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
O-CRESOL	< 111	< 96.1	< 102	< 95.3	MG/KG
PENTACHLOROPHENOL	< 111	< 96.1	< 102	< 95.3	MG/KG
PHENANTHRENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
PHENOL	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
PYRENE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG
PYRIDINE	< 55.7	< 48.1	< 51.0	< 47.7	MG/KG

* Sample ID: 1811300436

Whittier Narrows WRP Influent Monitoring

Whittier Narrows Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L		ND						ND		
1,1-Dichloroethylene	ug/L		ND						ND		
1,1,1-Trichloroethane	ug/L		ND						ND		
1,1,2-Trichloroethane	ug/L		ND						ND		
1,1,2,2-Tetrachloroethane	ug/L		ND						ND		
1,2-Dichlorobenzene	ug/L		ND						ND		
1,2-Dichloroethane	ug/L		ND						ND		
1,2-Dichloropropane	ug/L		ND						ND		
1,2-Diphenylhydrazine	ug/L		ND						ND		
1,2-trans-Dichloroethylene	ug/L		ND						ND		
1,2,4-Trichlorobenzene	ug/L		ND						ND		
1,3-Dichlorobenzene	ug/L		ND						ND		
1,3-Dichloropropene	ug/L		ND						ND		
1,4-Dichlorobenzene	ug/L		DNQ Est. Conc. 0.26						ND		
2-Chloroethylvinyl ether	ug/L		ND						ND		
2-Chloronaphthalene	ug/L		ND						ND		
2-Chlorophenol	ug/L		ND						ND		
2-Methyl-4,6-dinitrophenol	ug/L		ND						ND		
2-Nitrophenol	ug/L		ND						ND		
2,3,7,8-TCDD	pg/L		ND						ND		
2,4-Dichlorophenol	ug/L		ND						ND		
2,4-Dimethylphenol	ug/L		ND						ND		
2,4-Dinitrophenol	ug/L		ND						ND		
2,4-Dinitrotoluene	ug/L		ND						ND		
2,4,6-Trichlorophenol	ug/L		ND						ND		
2,6-Dinitrotoluene	ug/L		ND						ND		
3-Methyl-4-chlorophenol	ug/L		ND						ND		
3,3'-Dichlorobenzidine	ug/L		ND						ND		
4-Bromophenyl phenyl ether	ug/L		ND						ND		
4-Chlorophenyl phenyl ether	ug/L		ND						ND		
4-Nitrophenol	ug/L		ND						ND		
4,4-DDD	ug/L		ND						ND		
4,4-DDE	ug/L		ND						ND		
4,4-DDT	ug/L		ND						ND		
Acenaphthene	ug/L		ND						ND		
Acenaphthylene	ug/L		ND						ND		
Acrolein	ug/L		ND						ND		
Acrylonitrile	ug/L		ND						ND		
Aldrin	ug/L		ND						ND		
alpha-BHC	ug/L		ND						ND		
alpha-Endosulfan	ug/L		ND						ND		
Anthracene	ug/L		ND						ND		
Antimony	ug/L		0.78						0.98		
Aroclor 1016	ug/L		ND						ND		
Aroclor 1221	ug/L		ND						ND		
Aroclor 1232	ug/L		ND						ND		
Aroclor 1242	ug/L		ND						ND		
Aroclor 1248	ug/L		ND						ND		
Aroclor 1254	ug/L		ND						ND		
Aroclor 1260	ug/L		ND						ND		
Arsenic	ug/L		1.85						2.11		
Benzene	ug/L		ND						DNQ Est. Conc. 0.22		
Benzidine	ug/L		ND						ND		
Benzo(a)anthracene	ug/L		ND						ND		
Benzo(a)pyrene	ug/L		ND						ND		
Benzo(b)fluoranthene	ug/L		ND						ND		
Benzo(g,h,i)perylene	ug/L		ND						ND		
Benzo(k)fluoranthene	ug/L		ND						ND		
Beryllium	ug/L		ND						ND		
beta-BHC	ug/L		ND						ND		

Whittier Narrows Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
1,1-Dichloroethane	ug/L			ND	ND	ND	EPA 624	1	0.20	0.50
1,1-Dichloroethylene	ug/L			ND	ND	ND	EPA 624	2	0.32	0.50
1,1,1-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.21	0.50
1,1,2-Trichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.09	0.50
1,1,2,2-Tetrachloroethane	ug/L			ND	ND	ND	EPA 624	1	0.11	0.50
1,2-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.07	0.50
1,2-Dichloroethane	ug/L			ND	ND	ND	EPA 624	2	0.11	0.50
1,2-Dichloropropane	ug/L			ND	ND	ND	EPA 624	1	0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND	EPA 625	1	0.20	20.0
1,2-trans-Dichloroethylene	ug/L			ND	ND	ND	EPA 624	1	0.16	0.50
1,2,4-Trichlorobenzene	ug/L			ND	ND	ND	EPA 625	5	0.19	100
1,3-Dichlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.08	0.50
1,3-Dichloropropene	ug/L			ND	ND	ND	EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L			ND	ND	DNQ Est. Conc. 0.26	EPA 624	2	0.16	0.50
2-Chloroethylvinyl ether	ug/L			ND	ND	ND	EPA 624	1	0.12	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND	EPA 625	10	0.13	200
2-Chlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.18	100
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND	EPA 625	5	0.92	100
2-Nitrophenol	ug/L			ND	ND	ND	EPA 625	10	0.10	200
2,3,7,8-TCDD	pg/L			ND	ND	ND	EPA 1613B		0.73 - 1.6	10 - 13
2,4-Dichlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.63	100
2,4-Dimethylphenol	ug/L			ND	ND	ND	EPA 625	2	0.88	40.0
2,4-Dinitrophenol	ug/L			ND	ND	ND	EPA 625	5	2.8	100
2,4-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625	5	0.27	100
2,4,6-Trichlorophenol	ug/L			ND	ND	ND	EPA 625	10	0.21	200
2,6-Dinitrotoluene	ug/L			ND	ND	ND	EPA 625	5	0.28	100
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND	EPA 625	1	0.44	20.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND	EPA 625	5	0.81	100
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625	5	0.27	100
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND	EPA 625	5	0.32	100
4-Nitrophenol	ug/L			ND	ND	ND	EPA 625	10	1.3	100 - 200
4,4-DDD	ug/L			ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.05 - 0.10
4,4-DDE	ug/L			ND	ND	ND	EPA 608	0.05	0.001 - 0.002	0.05 - 0.10
4,4-DDT	ug/L			ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.05 - 0.10
Acenaphthene	ug/L			ND	ND	ND	EPA 625	1	0.22	20.0
Acenaphthylene	ug/L			ND	ND	ND	EPA 625	10	0.19	200
Acrolein	ug/L			ND	ND	ND	EPA 624		1.3	2.0
Acrylonitrile	ug/L			ND	ND	ND	EPA 624		0.20	2.0
Aldrin	ug/L			ND	ND	ND	EPA 608	0.005	0.0009 - 0.002	0.02 - 0.05
alpha-BHC	ug/L			ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.05 - 0.10
alpha-Endosulfan	ug/L			ND	ND	ND	EPA 608	0.02	0.001	0.05 - 0.10
Anthracene	ug/L			ND	ND	ND	EPA 625	10	0.19	200
Antimony	ug/L			0.78	0.88	0.98	EPA 200.8	0.5	0.32	0.50
Aroclor 1016	ug/L			ND	ND	ND	EPA 608	0.5	0.02 - 0.04	0.5 - 1.0
Aroclor 1221	ug/L			ND	ND	ND	EPA 608	0.5	0.2	2.5 - 5.0
Aroclor 1232	ug/L			ND	ND	ND	EPA 608	0.5	0.09 - 0.2	1.5 - 3.0
Aroclor 1242	ug/L			ND	ND	ND	EPA 608	0.5	0.02 - 0.08	0.5 - 1.0
Aroclor 1248	ug/L			ND	ND	ND	EPA 608	0.5	0.02 - 0.04	0.5 - 1.0
Aroclor 1254	ug/L			ND	ND	ND	EPA 608	0.5	0.01 - 0.03	0.2 - 0.5
Aroclor 1260	ug/L			ND	ND	ND	EPA 608	0.5	0.01 - 0.05	0.5 - 1.0
Arsenic	ug/L			1.85	1.98	2.11	EPA 200.8	2	0.14	1.00
Benzene	ug/L			ND	ND	DNQ Est. Conc. 0.22	EPA 624	2	0.15	0.50
Benzidine	ug/L			ND	ND	ND	EPA 625	5	1.8	100
Benzo(a)anthracene	ug/L			ND	ND	ND	EPA 625	5	0.14	100
Benzo(a)pyrene	ug/L			ND	ND	ND	EPA 625	10	0.19	200
Benzo(b)fluoranthene	ug/L			ND	ND	ND	EPA 625	10	0.22	200
Benzo(g,h,i)perylene	ug/L			ND	ND	ND	EPA 625	5	0.12	100
Benzo(k)fluoranthene	ug/L			ND	ND	ND	EPA 625	10	0.19	200
Beryllium	ug/L			ND	ND	ND	EPA 200.8	0.5	0.030	0.25
beta-BHC	ug/L			ND	ND	ND	EPA 608	0.005	0.002 - 0.003	0.02 - 0.05

Whittier Narrows Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
beta-endosulfan	ug/L		ND						ND		
bis(2-Chloroethoxy) methane	ug/L		ND						ND		
bis(2-Chloroethyl) ether	ug/L		ND						ND		
bis(2-Chloroisopropyl) ether	ug/L		ND						ND		
bis(2-Ethylhexyl) phthalate	ug/L		DNQ Est. Conc. 5.7						ND		
BOD	mg/L	292	334	300	298	293	304	268	281	272	286
Bromodichloromethane	ug/L		ND						ND		
Bromoform	ug/L		ND						ND		
Butyl benzyl phthalate	ug/L		ND						ND		
Cadmium	ug/L		DNQ Est. Conc. 0.19			DNQ Est. Conc. 0.12			0.26		
Carbon tetrachloride	ug/L		ND						ND		
Chlorobenzene	ug/L		ND						ND		
Chloroethane	ug/L		ND						ND		
Chloroform	ug/L		5.9						6.4		
Chromium VI	ug/L		0.20						0.14		
Chromium, total	ug/L		10.2						18.2		
Chrysene	ug/L		ND						ND		
Copper	ug/L		102			69.7			124		
Cyanide, total	ug/L		DNQ Est. Conc. 1.6						DNQ Est. Conc. 2.0		
delta-BHC	ug/L		ND						ND		
Di-n-butyl phthalate	ug/L		ND						ND		
Di-n-octyl phthalate	ug/L		ND						ND		
Dibenzo(a,h)anthracene	ug/L		ND						ND		
Dibromochloromethane	ug/L		DNQ Est. Conc. 0.24						ND		
Dieldrin	ug/L		ND						ND		
Diethyl phthalate	ug/L		ND						DNQ Est. Conc. 7.4		
Dimethyl phthalate	ug/L		ND						ND		
Endosulfan sulfate	ug/L		ND						ND		
Endrin aldehyde	ug/L		ND						ND		
Endrin	ug/L		ND						ND		
Ethylbenzene	ug/L		DNQ Est. Conc. 0.21						0.64		
Fluoranthene	ug/L		ND						ND		
Fluorene	ug/L		ND						ND		
gamma-BHC	ug/L		ND						ND		
Heptachlor epoxide	ug/L		ND						ND		
Heptachlor	ug/L		ND						ND		
Hexachlorobenzene	ug/L		ND						ND		
Hexachlorobutadiene	ug/L		ND						ND		
Hexachlorocyclopentadiene	ug/L		ND						ND		
Hexachloroethane	ug/L		ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L		ND						ND		
Isophorone	ug/L		ND						ND		
Lead	ug/L		3.07			1.41			41.1		
Mercury	ug/L		0.70			0.068			0.22		
Methyl bromide (bromomethane)	ug/L		ND						ND		
Methyl chloride (chloromethane)	ug/L		ND						ND		
Methylene chloride	ug/L		0.82						DNQ Est. Conc. 0.31		
n-Nitrosodi-n-propylamine	ug/L		ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L		ND						ND		
n-Nitrosodiphenylamine	ug/L		ND						ND		
Naphthalene	ug/L		ND						ND		
Nickel	ug/L		23.2						25.3		
Nitrobenzene	ug/L		ND						ND		
P129/138/163	pg/L								DNQ Est. Conc. 240(1)		
P61/70/74/76	pg/L								DNQ Est. Conc. 270(1)		
P90/101/113	pg/L								DNQ Est. Conc. 250(1)		
PCB-105	pg/L								100		
PCB-114	pg/L								DNQ Est. Conc. 5.4		
PCB-118	pg/L								240(1)		
PCB-123	pg/L								DNQ Est. Conc. 9.0		

Whittier Narrows Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
beta-endosulfan	ug/L			ND	ND	ND	EPA 608	0.01	0.001 - 0.003	0.05 - 0.10
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND	EPA 625	5	0.11	100
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND	EPA 625	1	0.20	20.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND	EPA 625	2	0.20	40.0
bis(2-Ethylhexyl) phthalate	ug/L			ND	ND	DNQ Est. Conc. 5.7	EPA 625	5	0.16	40.0
BOD	mg/L	282	382	268	299	382	SM 5210B		0.6	120
Bromodichloromethane	ug/L			ND	ND	ND	EPA 624	2	0.17	0.50
Bromoform	ug/L			ND	ND	ND	EPA 624	2	0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.12	200
Cadmium	ug/L	0.22		DNQ Est. Conc. 0.12	0.12	0.26	EPA 200.8	0.25	0.031	0.20
Carbon tetrachloride	ug/L			ND	ND	ND	EPA 624	2	0.28	0.50
Chlorobenzene	ug/L			ND	ND	ND	EPA 624	2	0.11	0.50
Chloroethane	ug/L			ND	ND	ND	EPA 624	2	0.18	0.50
Chloroform	ug/L			5.9	6.2	6.4	EPA 624	2	0.18	0.50
Chromium VI	ug/L			0.14	0.17	0.20	EPA 218.6 (Dissolved)		0.01	0.05
Chromium, total	ug/L			10.2	14.2	18.2	EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L			ND	ND	ND	EPA 625	10	0.16	200
Copper	ug/L	78.5		69.7	93.6	124	EPA 200.8	0.5	0.11	0.50
Cyanide, total	ug/L			DNQ Est. Conc. 1.6	ND	DNQ Est. Conc. 2.0	SM 4500 CN E	5	1.0	5.0
delta-BHC	ug/L			ND	ND	ND	EPA 608	0.005	0.003 - 0.004	0.02 - 0.05
Di-n-butyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.12	200
Di-n-octyl phthalate	ug/L			ND	ND	ND	EPA 625	10	0.11	200
Dibenzo(a,h)anthracene	ug/L			ND	ND	ND	EPA 625	10	0.13	200
Dibromochloromethane	ug/L			ND	ND	DNQ Est. Conc. 0.24	EPA 624	2	0.14	0.50
Dieldrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.05 - 0.10
Diethyl phthalate	ug/L			ND	ND	DNQ Est. Conc. 7.4	EPA 625	2	0.26	40.0
Dimethyl phthalate	ug/L			ND	ND	ND	EPA 625	2	0.28	40.0
Endosulfan sulfate	ug/L			ND	ND	ND	EPA 608	0.05	0.002 - 0.009	0.05 - 0.10
Endrin aldehyde	ug/L			ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.05 - 0.10
Endrin	ug/L			ND	ND	ND	EPA 608	0.01	0.001 - 0.002	0.05 - 0.10
Ethylbenzene	ug/L			DNQ Est. Conc. 0.21	0.32	0.64	EPA 624	2	0.18	0.50
Fluoranthene	ug/L			ND	ND	ND	EPA 625	1	0.24	20.0
Fluorene	ug/L			ND	ND	ND	EPA 625	10	0.35	200
gamma-BHC	ug/L			ND	ND	ND	EPA 608	0.02	0.0009 - 0.001	0.05 - 0.10
Heptachlor epoxide	ug/L			ND	ND	ND	EPA 608	0.01	0.001	0.05 - 0.10
Heptachlor	ug/L			ND	ND	ND	EPA 608	0.01	0.0008 - 0.001	0.05 - 0.10
Hexachlorobenzene	ug/L			ND	ND	ND	EPA 625	1	0.17	20.0
Hexachlorobutadiene	ug/L			ND	ND	ND	EPA 625	1	0.33	20.0
Hexachlorocyclopentadiene	ug/L			ND	ND	ND	EPA 625	5	0.53	100
Hexachloroethane	ug/L			ND	ND	ND	EPA 625	1	0.13	20.0
Indeno (1,2,3-cd) pyrene	ug/L			ND	ND	ND	EPA 625	10	0.12	200
Isophorone	ug/L			ND	ND	ND	EPA 625	1	0.11	20.0
Lead	ug/L	2.26		1.41	12.0	41.1	EPA 200.8	0.5	0.01	0.25
Mercury	ug/L	0.092		0.068	0.27	0.70	EPA 245.1	0.5	0.004 - 0.017	0.04 - 0.050
Methyl bromide (bromomethane)	ug/L			ND	ND	ND	EPA 624	2	0.33	0.50
Methyl chloride (chloromethane)	ug/L			ND	ND	ND	EPA 624	2	0.19	0.50
Methylene chloride	ug/L			DNQ Est. Conc. 0.31	0.41	0.82	EPA 624	2	0.18	0.50
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND	EPA 625	5	0.50	100
n-Nitrosodimethylamine (NDMA)	ug/L			ND	ND	ND	EPA 625	5	0.34	100
n-Nitrosodiphenylamine	ug/L			ND	ND	ND	EPA 625	1	0.28	20.0
Naphthalene	ug/L			ND	ND	ND	EPA 625	1	0.13	20.0
Nickel	ug/L			23.2	24.3	25.3	EPA 200.8	1	0.12	1.00
Nitrobenzene	ug/L			ND	ND	ND	EPA 625	1	0.17	20.0
P129/138/163	pg/L			DNQ Est. Conc. 240(1)	ND	DNQ Est. Conc. 240(1)	EPA 1668		3.1	700
P61/70/74/76	pg/L			DNQ Est. Conc. 270(1)	ND	DNQ Est. Conc. 270(1)	EPA 1668		2.4	940
P90/101/113	pg/L			DNQ Est. Conc. 250(1)	ND	DNQ Est. Conc. 250(1)	EPA 1668		3.6	700
PCB-105	pg/L			100	100	100	EPA 1668		3.8	23
PCB-114	pg/L			DNQ Est. Conc. 5.4	ND	DNQ Est. Conc. 5.4	EPA 1668		3.6	23
PCB-118	pg/L			240(1)	240	240(1)	EPA 1668		3.3	23
PCB-123	pg/L			DNQ Est. Conc. 9.0	ND	DNQ Est. Conc. 9.0	EPA 1668		3.7	23

Whittier Narrows Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
PCB-126	pg/L								ND		
PCB-158	pg/L								DNQ Est. Conc. 22		
PCB-167	pg/L								DNQ Est. Conc. 10		
PCB-169	pg/L								ND		
PCB-170	pg/L								DNQ Est. Conc. 4.7		
PCB-183	pg/L								DNQ Est. Conc. 36(1)		
PCB-187	pg/L								DNQ Est. Conc. 69		
PCB-189	pg/L								DNQ Est. Conc. 3.3		
PCB-194	pg/L								DNQ Est. Conc. 33(1)		
PCB-201	pg/L								DNQ Est. Conc. 4.1(2)		
PCB-206	pg/L								DNQ Est. Conc. 31		
PCB-37	pg/L								DNQ Est. Conc. 40		
PCB-52	pg/L								260(1)		
PCB-66	pg/L								DNQ Est. Conc. 120		
PCB-77	pg/L								DNQ Est. Conc. 13		
PCB-81	pg/L								ND		
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 180(1)		
PCB-99	pg/L								DNQ Est. Conc. 110		
PCB110/115	pg/L								DNQ Est. Conc. 290(1)		
PCB128/166	pg/L								DNQ Est. Conc. 28		
PCB135/151	pg/L								DNQ Est. Conc. 69		
PCB147/149	pg/L								DNQ Est. Conc. 170(1)		
PCB153/168	pg/L								DNQ Est. Conc. 200(1)		
PCB156/157	pg/L								DNQ Est. Conc. 35		
PCB18/30	pg/L								DNQ Est. Conc. 64		
PCB180/193	pg/L								DNQ Est. Conc. 130(1)		
PCB20/28	pg/L								DNQ Est. Conc. 150		
PCB44/47/65	pg/L								DNQ Est. Conc. 170(1)		
PCB49/69	pg/L								DNQ Est. Conc. 60(1)		
Pentachlorophenol	ug/L		ND						ND		
Phenanthrene	ug/L		ND						ND		
Phenol	ug/L		34.4						DNQ Est. Conc. 12.2		
pH	SU	7.6	7.6	7.7	7.7	7.8	7.6	7.6	7.8	7.9	7.9
Pyrene	ug/L		ND						ND		
Selenium	ug/L		1.22						1.13		
Silver	ug/L		0.46						0.62		
Technical chlordane	ug/L		ND						ND		
Tetrachloroethylene	ug/L		ND						0.51		
Thallium	ug/L		ND						ND		
Toluene	ug/L		2.7						2.6		
total suspended solids	mg/L	248	255	254	275	303	310	279	298	294	395
Toxaphene	ug/L		ND						ND		
Trichloroethylene	ug/L		ND						ND		
Vinyl chloride	ug/L		ND						ND		
Zinc	ug/L		224			119			307		

Whittier Narrows Water Reclamation Plant
2018 INF-001 Monitoring Results

Parameter	Units	November	December	Monthly Average			Method	ML	MDL	RDL
				Minimum	Average	Maximum				
PCB-126	pg/L			ND	ND	ND	EPA 1668		3.7	23
PCB-158	pg/L			DNQ Est. Conc. 22	ND	DNQ Est. Conc. 22	EPA 1668		2.4	230
PCB-167	pg/L			DNQ Est. Conc. 10	ND	DNQ Est. Conc. 10	EPA 1668		1.8	23
PCB-169	pg/L			ND	ND	ND	EPA 1668		2.0	23
PCB-170	pg/L			DNQ Est. Conc. 4.7	ND	DNQ Est. Conc. 4.7	EPA 1668		1.0	230
PCB-183	pg/L			DNQ Est. Conc. 36(1)	ND	DNQ Est. Conc. 36(1)	EPA 1668		0.86	230
PCB-187	pg/L			DNQ Est. Conc. 69	ND	DNQ Est. Conc. 69	EPA 1668		0.56	230
PCB-189	pg/L			DNQ Est. Conc. 3.3	ND	DNQ Est. Conc. 3.3	EPA 1668		0.72	23
PCB-194	pg/L			DNQ Est. Conc. 33(1)	ND	DNQ Est. Conc. 33(1)	EPA 1668		0.84	230
PCB-201	pg/L			DNQ Est. Conc. 4.1(2)	ND	DNQ Est. Conc. 4.1(2)	EPA 1668		0.45	230
PCB-206	pg/L			DNQ Est. Conc. 31	ND	DNQ Est. Conc. 31	EPA 1668		1.4	230
PCB-37	pg/L			DNQ Est. Conc. 40	ND	DNQ Est. Conc. 40	EPA 1668		6.6	230
PCB-52	pg/L			260(1)	260	260(1)	EPA 1668		2.8	230
PCB-66	pg/L			DNQ Est. Conc. 120	ND	DNQ Est. Conc. 120	EPA 1668		2.6	230
PCB-77	pg/L			DNQ Est. Conc. 13	ND	DNQ Est. Conc. 13	EPA 1668		3.4	23
PCB-81	pg/L			ND	ND	ND	EPA 1668		2.8	23
PCB-86/87/97/108/119/125	pg/L			DNQ Est. Conc. 180(1)	ND	DNQ Est. Conc. 180(1)	EPA 1668		3.6	1400
PCB-99	pg/L			DNQ Est. Conc. 110	ND	DNQ Est. Conc. 110	EPA 1668		3.7	230
PCB110/115	pg/L			DNQ Est. Conc. 290(1)	ND	DNQ Est. Conc. 290(1)	EPA 1668		3.3	470
PCB128/166	pg/L			DNQ Est. Conc. 28	ND	DNQ Est. Conc. 28	EPA 1668		2.8	470
PCB135/151	pg/L			DNQ Est. Conc. 69	ND	DNQ Est. Conc. 69	EPA 1668		3.4	470
PCB147/149	pg/L			DNQ Est. Conc. 170(1)	ND	DNQ Est. Conc. 170(1)	EPA 1668		3.3	470
PCB153/168	pg/L			DNQ Est. Conc. 200(1)	ND	DNQ Est. Conc. 200(1)	EPA 1668		2.5	470
PCB156/157	pg/L			DNQ Est. Conc. 35	ND	DNQ Est. Conc. 35	EPA 1668		2.6	47
PCB18/30	pg/L			DNQ Est. Conc. 64	ND	DNQ Est. Conc. 64	EPA 1668		1.5	470
PCB180/193	pg/L			DNQ Est. Conc. 130(1)	ND	DNQ Est. Conc. 130(1)	EPA 1668		0.82	470
PCB20/28	pg/L			DNQ Est. Conc. 150	ND	DNQ Est. Conc. 150	EPA 1668		5.0	470
PCB44/47/65	pg/L			DNQ Est. Conc. 170(1)	ND	DNQ Est. Conc. 170(1)	EPA 1668		2.5	700
PCB49/69	pg/L			DNQ Est. Conc. 60(1)	ND	DNQ Est. Conc. 60(1)	EPA 1668		2.2	470
Pentachlorophenol	ug/L			ND	ND	ND	EPA 625	5	0.62	20.0
Phenanthrene	ug/L			ND	ND	ND	EPA 625	5	0.31	100
Phenol	ug/L			DNQ Est. Conc. 12.2	17.2	34.4	EPA 625	1	0.12	20.0
pH	SU	7.9	7.8	7.6	7.7	7.9	SM 4500 H+ B		1.00	1.00 - 4.00
Pyrene	ug/L			ND	ND	ND	EPA 625	10	0.28	200
Selenium	ug/L			1.13	1.18	1.22	EPA 200.8	2	0.04	1.00
Silver	ug/L			0.46	0.54	0.62	EPA 200.8	0.25	0.02	0.20
Technical chlordane	ug/L			ND	ND	ND	EPA 608	0.1	0.01 - 0.03	0.25 - 0.50
Tetrachloroethylene	ug/L			ND	0.26	0.51	EPA 624	2	0.18	0.50
Thallium	ug/L			ND	ND	ND	EPA 200.8	1	0.015	0.25
Toluene	ug/L			2.6	2.7	2.7	EPA 624	2	0.19	0.50
total suspended solids	mg/L	289	336	248	286	395	SM 2540D		2.5	71.4 - 125
Toxaphene	ug/L			ND	ND	ND	EPA 608	0.5	0.04 - 0.08	2.5 - 5.0
Trichloroethylene	ug/L			ND	ND	ND	EPA 624	2	0.28	0.50
Vinyl chloride	ug/L			ND	ND	ND	EPA 624	2	0.26	0.50
Zinc	ug/L	154		119	201	307	EPA 200.8	1	0.60	1.00 - 5.00

(1) Blank contamination observed.
(2) Possible interference observed. The measured ion ratio did not meet qualitative criteria for analysis and results are considered to be an estimated maximum possible concentration.

Whittier Narrows WRP Effluent Monitoring

Whittier Narrows Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
1,1-Dichloroethane	ug/L		ND		ND		ND		ND		ND
1,1-Dichloroethylene	ug/L		ND		ND		ND		ND		ND
1,1,1-Trichloroethane	ug/L		ND		ND		ND		ND		ND
1,1,2-Trichloroethane	ug/L		ND		ND		ND		ND		ND
1,1,2,2-Tetrachloroethane	ug/L		ND		ND		ND		ND		ND
1,2-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,2-Dichloroethane	ug/L		ND		ND		ND		ND		ND
1,2-Dichloropropane	ug/L		ND		ND		ND		ND		ND
1,2-Diphenylhydrazine	ug/L		ND						ND		
1,2-trans-Dichloroethylene	ug/L		ND		ND		ND		ND		ND
1,2,3-Trichloropropane	ug/L		ND						ND		
1,2,3,4,6,7,8-HeptaCDD	pg/L		DNQ Est. Conc. 1.6			ND(1)			ND(1)		
1,2,3,4,6,7,8-HeptaCDF	pg/L		DNQ Est. Conc. 1.3(2)			ND			ND(1)(2)		
1,2,3,4,7,8-HexaCDD	pg/L		DNQ Est. Conc. 1.7(2)			ND(1)			ND(1)		
1,2,3,4,7,8-HexaCDF	pg/L		DNQ Est. Conc. 0.76(2)			DNQ Est. Conc. 0.15			DNQ Est. Conc. 4.9(1)		
1,2,3,4,7,8,9-HeptaCDF	pg/L		ND			ND			ND(1)		
1,2,3,6,7,8-HexaCDD	pg/L		DNQ Est. Conc. 0.67(2)			DNQ Est. Conc. 0.35(2)			ND(1)(2)		
1,2,3,6,7,8-HexaCDF	pg/L		DNQ Est. Conc. 0.45(2)			ND			ND(1)(2)		
1,2,3,7,8-PentaCDD	pg/L		ND			ND			ND		
1,2,3,7,8-PentaCDF	pg/L		ND			DNQ Est. Conc. 0.24			ND(1)		
1,2,3,7,8,9-HexaCDD	pg/L		DNQ Est. Conc. 0.81(2)			ND(1)(2)			ND(1)(2)		
1,2,3,7,8,9-HexaCDF	pg/L		DNQ Est. Conc. 0.79(2)			ND(1)(2)			ND(1)		
1,2,4-Trichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,3-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,3-Dichloropropene	ug/L		ND		ND		ND		ND		ND
1,4-Dichlorobenzene	ug/L		ND		ND		ND		ND		ND
1,4-Dioxane	ug/L		1.0						1.0		
2-Chloroethyl vinyl ether	ug/L		ND		ND		ND		ND		ND
2-Chloronaphthalene	ug/L		ND						ND		
2-Chlorophenol	ug/L		ND						ND		
2-Methyl-4,6-dinitrophenol	ug/L		ND						ND		
2-Nitrophenol	ug/L		ND						ND		
2,3,4,6,7,8-HexaCDF	pg/L		DNQ Est. Conc. 0.46			ND			DNQ Est. Conc. 0.54		
2,3,4,7,8-PentaCDF	pg/L		ND			ND			ND		
2,3,7,8-TCDD	pg/L		ND			ND			ND		
2,3,7,8-TetraCDF	pg/L		DNQ Est. Conc. 2.7			ND(1)			ND(1)		
2,4-Dichlorophenol	ug/L		ND						ND		
2,4-Dimethylphenol	ug/L		ND						ND		
2,4-Dinitrophenol	ug/L		ND						ND		
2,4-Dinitrotoluene	ug/L		ND						ND		
2,4,5-TP (Silvex)	mg/L		ND		ND		ND		ND		ND
2,4,6-Trichlorophenol	ug/L		DNQ Est. Conc. 0.23		DNQ Est. Conc. 0.22		DNQ Est. Conc. 0.31		ND		ND
2,4'-D	ug/L		ND		ND		ND		ND		ND
2,6-Dinitrotoluene	ug/L		ND						ND		
3-Methyl-4-chlorophenol	ug/L		ND						ND		
3,3'-Dichlorobenzidine	ug/L		ND						ND		
4-Bromophenyl phenyl ether	ug/L		ND						ND		
4-Chlorophenyl phenyl ether	ug/L		ND						ND		
4-Nitrophenol	ug/L		ND						ND		
4,4-DDD	ug/L		ND		ND		ND		ND		ND
4,4-DDE	ug/L		ND		ND		ND		ND		ND
4,4-DDT	ug/L		ND		ND		ND		ND		ND
Acenaphthene	ug/L		ND						ND		
Acenaphthylene	ug/L		ND						ND		
Acrolein	ug/L		ND						ND		
Acrylonitrile	ug/L		ND						ND		
Aldrin	ug/L		ND		ND		ND		ND		ND
alpha-BHC	ug/L		ND		ND		ND		ND		ND
alpha-Endosulfan	ug/L		ND						ND		
Ammonia nitrogen	mg/L	0.354	0.164	0.131	1.19	0.380	0.271	0.284	0.281	0.574	0.303
Anthracene	ug/L		ND		ND	ND	ND		ND		ND
Antimony	ug/L		DNQ Est. Conc. 0.43			DNQ Est. Conc. 0.46	DNQ Est. Conc. 0.48		0.59		
Aroclor 1016	ug/L		ND		ND		ND		ND		ND
Aroclor 1221	ug/L		ND		ND		ND		ND		ND
Aroclor 1232	ug/L		ND		ND		ND		ND		ND
Aroclor 1242	ug/L		ND		ND		ND		ND		ND
Aroclor 1248	ug/L		ND		ND		ND		ND		ND
Aroclor 1254	ug/L		ND		ND		ND		ND		ND
Aroclor 1260	ug/L		ND		ND		ND		ND		ND

Whittier Narrows Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
1,1-Dichloroethane	ug/L		ND	ND	ND	ND			EPA 624	1	0.07 - 0.23	0.50
1,1-Dichloroethylene	ug/L		ND	ND	ND	ND			EPA 624	2	0.13 - 0.43	0.50
1,1,1-Trichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.07 - 0.21	0.50
1,1,2-Trichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.09 - 0.24	0.50
1,1,2,2-Tetrachloroethane	ug/L		ND	ND	ND	ND			EPA 624	1	0.10 - 0.14	0.50
1,2-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.07 - 0.18	0.50
1,2-Dichloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.10 - 0.22	0.50
1,2-Dichloropropane	ug/L		ND	ND	ND	ND			EPA 624	1	0.09 - 0.18	0.50
1,2-Diphenylhydrazine	ug/L			ND	ND	ND			EPA 625	1	0.20	1.0
1,2-trans-Dichloroethylene	ug/L		ND	ND	ND	ND			EPA 624	1	0.09 - 0.45	0.50
1,2,3-Trichloropropane	ug/L			ND	ND	ND			EPA 524.2 (TCP)		0.0012 - 0.012	0.0050 - 0.050
1,2,3,4,6,7,8-HeptaCDD	pg/L	DNQ Est. Conc. 2.5		ND(1)	ND	DNQ Est. Conc. 2.5			EPA 1613B		0.11 - 1.0	51 - 55
1,2,3,4,6,7,8-HeptaCDF	pg/L	ND(1)		ND(1)(2)	ND	DNQ Est. Conc. 1.3(2)			EPA 1613B		0.14 - 1.3	51 - 55
1,2,3,4,7,8-HexaCDD	pg/L	ND		ND(1)	ND	DNQ Est. Conc. 1.7(2)			EPA 1613B		0.099 - 2.6	51 - 55
1,2,3,4,7,8-HexaCDF	pg/L	ND		ND	ND	DNQ Est. Conc. 4.9(1)			EPA 1613B		0.14 - 3.5	51 - 55
1,2,3,4,7,8,9-HeptaCDF	pg/L	ND(1)		ND(1)	ND	ND(1)			EPA 1613B		0.17 - 1.5	51 - 55
1,2,3,6,7,8-HexaCDD	pg/L	ND(1)(2)		ND	ND	DNQ Est. Conc. 0.67(2)			EPA 1613B		0.095 - 2.3	51 - 55
1,2,3,6,7,8-HexaCDF	pg/L	ND(1)(2)		ND	ND	DNQ Est. Conc. 0.45(2)			EPA 1613B		0.12 - 3.3	51 - 55
1,2,3,7,8-PentaCDD	pg/L	ND		ND	ND	ND			EPA 1613B		0.19 - 1.3	51 - 55
1,2,3,7,8-PentaCDF	pg/L	ND		ND	ND	DNQ Est. Conc. 0.24			EPA 1613B		0.13 - 1.0	51 - 55
1,2,3,7,8,9-HexaCDD	pg/L	ND		ND(1)(2)	ND	DNQ Est. Conc. 0.81(2)			EPA 1613B		0.091 - 2.1	51 - 55
1,2,3,7,8,9-HexaCDF	pg/L	ND		ND(1)	ND	DNQ Est. Conc. 0.79(2)			EPA 1613B		0.062 - 2.0	51 - 55
1,2,4-Trichlorobenzene	ug/L		ND	ND	ND	ND			EPA 625	5	0.19	5.0
1,3-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.08 - 0.21	0.50
1,3-Dichloropropene	ug/L		ND	ND	ND	ND			EPA 624	2		0.50
1,4-Dichlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.07 - 0.26	0.50
1,4-Dioxane	ug/L			1.0	1.0	1.0			SW-846 8270MOD		0.13	0.40
2-Chloroethyl vinyl ether	ug/L		ND	ND	ND	ND			EPA 624	1	0.12 - 0.29	0.50
2-Chloronaphthalene	ug/L			ND	ND	ND			EPA 625	10	0.13	10.0
2-Chlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.18	5.0
2-Methyl-4,6-dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	0.92	5.0
2-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	0.10	10.0
2,3,4,6,7,8-HexaCDF	pg/L	ND		ND	ND	DNQ Est. Conc. 0.54			EPA 1613B		0.075 - 2.0	51 - 55
2,3,4,7,8-PentaCDF	pg/L	ND		ND	ND	ND			EPA 1613B		0.15 - 1.3	51 - 55
2,3,7,8-TCDD	pg/L	DNQ Est. Conc. 5.3	ND	ND	ND	DNQ Est. Conc. 5.3	0.28	1.4	EPA 1613B		0.28-1.4	10 - 11
2,3,7,8-TetraCDF	pg/L	ND		ND	ND	DNQ Est. Conc. 2.7			EPA 1613B		0.066 - 0.61	10 - 11
2,4-Dichlorophenol	ug/L			ND	ND	ND			EPA 625	5	0.63	5.0
2,4-Dimethylphenol	ug/L			ND	ND	ND			EPA 625	2	0.88	2.0
2,4-Dinitrophenol	ug/L			ND	ND	ND			EPA 625	5	2.8	5.0
2,4-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.27	5.0
2,4,5-TP (Silvex)	mg/L		ND	ND	ND	ND			SW-846 8151A		0.00017-0.00019	0.00050-0.00057
2,4,6-Trichlorophenol	ug/L		ND	ND	ND	DNQ Est. Conc. 0.31			EPA 625	10	0.21	10.0
2,4'-D	ug/L		ND	ND	ND	ND			SW-846 8151A		0.21 - 0.24	0.50 - 0.57
2,6-Dinitrotoluene	ug/L			ND	ND	ND			EPA 625	5	0.28	5.0
3-Methyl-4-chlorophenol	ug/L			ND	ND	ND			EPA 625	1	0.44	1.0
3,3'-Dichlorobenzidine	ug/L			ND	ND	ND			EPA 625	5	0.81	5.0
4-Bromophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.27	5.0
4-Chlorophenyl phenyl ether	ug/L			ND	ND	ND			EPA 625	5	0.32	5.0
4-Nitrophenol	ug/L			ND	ND	ND			EPA 625	10	1.3	5.0 - 10.0
4,4-DDD	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4-DDE	ug/L		ND	ND	ND	ND			EPA 608	0.05	0.001 - 0.002	0.01
4,4-DDT	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
Acenaphthene	ug/L			ND	ND	ND			EPA 625	1	0.22	1.0
Acenaphthylene	ug/L			ND	ND	ND			EPA 625	10	0.19	10.0
Acrolein	ug/L			ND	ND	ND			EPA 624		1.3	2.0
Acrylonitrile	ug/L			ND	ND	ND			EPA 624		0.20	2.0
Aldrin	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.0009 - 0.002	0.005
alpha-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
alpha-Endosulfan	ug/L			ND	ND	ND			EPA 608	0.02	0.001	0.01
Ammonia nitrogen	mg/L	0.404	0.301	0.131	0.386	1.19	9.0(3)1.6(4)/10.1(6)	3.4(3)4.4(4)/3.9(6)	SM 4500 NH3 G		0.020	0.100 - 0.200
Anthracene	ug/L	ND	ND	ND	ND	ND			EPA 610 & EPA 625	10	0.004 - 0.19	0.020 - 10.0
Antimony	ug/L	0.52	0.53	DNQ Est. Conc. 0.43	0.27	0.59			EPA 200.8	0.5	0.07 - 0.32	0.50
Aroclor 1016	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1221	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.2	0.5
Aroclor 1232	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.09 - 0.2	0.3
Aroclor 1242	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.08	0.1
Aroclor 1248	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.02 - 0.04	0.1
Aroclor 1254	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.01 - 0.03	0.05
Aroclor 1260	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.01 - 0.05	0.1

Whittier Narrows Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Arsenic	ug/L		DNQ Est. Conc. 0.81			DNQ Est. Conc. 0.93	DNQ Est. Conc. 0.86		1.16		
Barium	ug/L		40.2			32.2	53.1		35.9		
Benzene	ug/L		ND		ND		ND		ND		ND
Benzidine	ug/L		ND		ND		ND		ND		ND
Benzo(a)anthracene	ug/L		ND						ND		
Benzo(a)pyrene	ug/L		ND				ND		ND		
Benzo(b)fluoranthene	ug/L		ND						ND		
Benzo(g,h,i)perylene	ug/L		ND						ND		
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beryllium	ug/L		ND			ND	ND		ND		
beta-BHC	ug/L		ND		ND		ND		ND		ND
beta-Endosulfan	ug/L		ND						ND		
bis(2-Chloroethoxy) methane	ug/L		ND						ND		
bis(2-Chloroethyl) ether	ug/L		ND						ND		
bis(2-Chloroisopropyl) ether	ug/L		ND						ND		
bis(2-Ethylhexyl) phthalate	ug/L		ND		ND		ND		ND		ND
BOD	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	mg/L	0.24	0.25	0.28	0.28	0.28	0.27	0.29	0.27	0.42	0.27
Bromodichloromethane	ug/L		7.8		6.2		4.0		2.7		4.2
Bromoform	ug/L		DNQ Est. Conc. 0.48		DNQ Est. Conc. 0.28		ND		ND		ND
Butyl benzyl phthalate	ug/L		ND						ND		
Cadmium	ug/L	ND	ND	ND	ND	ND	ND	ND	DNQ Est. Conc. 0.040	DNQ Est. Conc. 0.034	DNQ Est. Conc. 0.045
Carbon tetrachloride	ug/L		ND		ND		ND		ND		ND
Chloride	mg/L	102	114	117	117	126	117	116	119	119	118
Chlorobenzene	ug/L		ND		ND		ND		ND		ND
Chloroethane	ug/L		ND		ND		ND		ND		ND
Chloroform	ug/L		11.1		10.6		9.5		6.5		10.3
Chromium III	ug/L		1.00			1.17	0.66		1.14		
Chromium VI	ug/L		0.10			0.07	0.07		DNQ Est. Conc. 0.03		
Chromium, total (24-hr composite)	ug/L		1.23			0.91	0.60		0.95		
Chromium, total (Grab)	ug/L		1.10			1.24	0.73		1.14		
Chrysene	ug/L		ND						ND		
Copper	ug/L	5.12	3.43	3.64	3.83	3.23	2.69	2.74	2.82	3.35	3.33
Cyanide, total	ug/L		ND			ND	ND		ND		
delta-BHC	ug/L		ND		ND		ND		ND		ND
Di-n-butyl phthalate	ug/L		ND						ND		
Di-n-octyl phthalate	ug/L		ND						ND		
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND	DNQ Est. Conc. 0.004	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L		2.9		1.8		1.2		0.55		0.84
Dieldrin	ug/L		ND		ND		ND		DNQ Est. Conc. 0.007		DNQ Est. Conc. 0.004
Diethyl phthalate	ug/L		ND						DNQ Est. Conc. 0.60		
Dimethyl phthalate	ug/L		ND						ND		
Dissolved oxygen	mg/L	6.2	7.5	6.8	6.0	5.6	5.4	5.5	5.3	5.9	6.0
E. coli	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	ug/L		ND						ND		
Endrin aldehyde	ug/L		ND						ND		
Endrin	ug/L		ND		ND		ND		ND		ND
Ethylbenzene	ug/L		ND		ND		ND		ND		ND
Fecal coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ug/L		ND		ND		ND		ND		ND
Fluorene	ug/L		ND		ND		ND		ND		ND
Fluoride	mg/L	0.691	0.648	0.676	0.721	0.664	0.650	0.703	0.692	0.687	0.648
gamma-BHC	ug/L		DNQ Est. Conc. 0.007		ND		ND		ND		ND
Gross alpha radioactivity	pCi/L		3.11				4.06		8.67		
Gross beta radioactivity	pCi/L		12.0				10.7		13.8		
Heptachlor epoxide	ug/L		ND		ND		ND		ND		ND
Heptachlor	ug/L		ND		ND		ND		ND		ND
Hexachlorobenzene	ug/L		ND				ND		ND		
Hexachlorobutadiene	ug/L		ND						ND		
Hexachlorocyclopentadiene	ug/L		ND				ND		ND		
Hexachloroethane	ug/L		ND						ND		
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	ug/L		37.8				36.3		36.4		
Isophorone	ug/L		ND						ND		
Lead	ug/L	DNQ Est. Conc. 0.18	DNQ Est. Conc. 0.21	0.26	DNQ Est. Conc. 0.18	DNQ Est. Conc. 0.18	DNQ Est. Conc. 0.22	DNQ Est. Conc. 0.22	0.28	0.28	0.28
Mercury	ug/L	0.0033	0.0017	0.0014	0.0012	0.0016	0.00093	0.0010	0.00082	DNQ Est. Conc. 0.00032	0.00085
Methoxychlor	ug/L		ND		ND		ND		ND		ND
Methyl bromide (bromomethane)	ug/L		ND		ND		ND		ND		ND
Methyl chloride (chloromethane)	ug/L		ND		ND		ND		DNQ Est. Conc. 0.19		ND

Whittier Narrows Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Arsenic	ug/L	DNQ Est. Conc. 0.94	1.07	DNQ Est. Conc. 0.81	0.37	1.16			EPA 200.8	2	0.06 - 0.14	1.00
Barium	ug/L	36.6	31.2	31.2	38.2	53.1			EPA 200.8		0.06 - 0.08	0.50
Benzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.10 - 0.15	0.50
Benzidine	ug/L		ND	ND	ND	ND			EPA 625	5	1.8	5.0
Benzo(a)anthracene	ug/L			ND	ND	ND			EPA 625	5	0.14	5.0
Benzo(a)pyrene	ug/L		ND	ND	ND	ND			EPA525.2/EPA610		0.007 - 0.070	0.020 - 0.10
Benzo(b)fluoranthene	ug/L			ND	ND	ND			EPA 610	10	0.004	0.020
Benzo(g,h,i)perylene	ug/L			ND	ND	ND			EPA 625	5	0.12	5.0
Benzo(k)fluoranthene	ug/L	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.005	0.020
Beryllium	ug/L	ND	ND	ND	ND	ND			EPA 200.8	0.5	0.020 - 0.030	0.25
beta-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.002 - 0.003	0.005
beta-Endosulfan	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.003	0.01
bis(2-Chloroethoxy) methane	ug/L			ND	ND	ND			EPA 625	5	0.11	5.0
bis(2-Chloroethyl) ether	ug/L			ND	ND	ND			EPA 625	1	0.20	1.0
bis(2-Chloroisopropyl) ether	ug/L			ND	ND	ND			EPA 625	2	0.20	2.0
bis(2-Ethylhexyl) phthalate	ug/L		ND	ND	ND	ND			EPA 625	5	0.16	2.0
BOD	mg/L	ND	ND	ND	ND	ND	45	20	SM 5210B		0.6	3
Boron	mg/L	0.28	0.29	0.24	0.29	0.42		1.0(5)	EPA 200.8		0.008	0.020
Bromodichloromethane	ug/L		5.2	2.7	5.0	7.8			EPA 624	2	0.09 - 0.17	0.50
Bromoform	ug/L		ND	ND	ND	DNQ Est. Conc. 0.48			EPA 624	2	0.13 - 0.17	0.50
Butyl benzyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.12	10.0
Cadmium	ug/L	DNQ Est. Conc. 0.043	DNQ Est. Conc. 0.053	ND	ND	DNQ Est. Conc. 0.053	3.5(8)	1.1(8)	EPA 200.8	0.25	0.010 - 0.031	0.20
Carbon tetrachloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.11 - 0.28	0.50
Chloride	mg/L	120	120	102	117	126		180	EPA 300.0		0.040 - 0.100	10.0
Chlorobenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.08 - 0.17	0.50
Chloroethane	ug/L		ND	ND	ND	ND			EPA 624	2	0.18 - 0.26	0.50
Chloroform	ug/L		10.1	6.5	9.7	11.1			EPA 624	2	0.09 - 0.18	0.50
Chromium III	ug/L	0.93	0.86	0.66	0.96	1.17			EPA 200.8			0.50
Chromium VI	ug/L	0.09	0.06	DNQ Est. Conc. 0.03	0.07	0.10			EPA 218.6 (Diss.)		0.01 - 0.02	0.05
Chromium, total (24-hr composite)	ug/L	1.09		0.60	0.96	1.23			EPA 200.8	0.5	0.11	0.50
Chromium, total (Grab)	ug/L	1.02		0.73	1.0	1.24			EPA 200.8	0.5	0.11	0.50
Chrysene	ug/L			ND	ND	ND			EPA 610	10	0.005	0.020
Copper	ug/L	3.62	5.03	2.69	3.57	5.12	21.7(5)/16.8(6)	16.8(5)/13(6)	EPA 200.8	0.5	0.05 - 0.11	0.50
Cyanide, total	ug/L	DNQ Est. Conc. 1.20	DNQ Est. Conc. 1.12	ND	ND	DNQ Est. Conc. 1.20			SM 4500 CN E	5	1.00	5.00
delta-BHC	ug/L		ND	ND	ND	ND			EPA 608	0.005	0.003 - 0.004	0.005
Di-n-butyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.12	10.0
Di-n-octyl phthalate	ug/L			ND	ND	ND			EPA 625	10	0.11	10.0
Dibenzo(a,h)anthracene	ug/L	ND	ND	ND	ND	DNQ Est. Conc. 0.004	0.098	0.049	EPA 610	10	0.004	0.020
Dibromochloromethane	ug/L		1.3	0.55	1.4	2.9			EPA 624	2	0.08 - 0.22	0.50
Dieldrin	ug/L		ND	ND	ND	DNQ Est. Conc. 0.007			EPA 608	0.01	0.001	0.01
Diethyl phthalate	ug/L			ND	ND	DNQ Est. Conc. 0.60			EPA 625	2	0.26	2.0
Dimethyl phthalate	ug/L			ND	ND	ND			EPA 625	2	0.28	2.0
Dissolved oxygen	mg/L	5.9	6.8	5.3	6.1	7.5			HACH 10360 LDO			
E. coli	No./100mL	ND	ND	ND	ND	ND			SM 9223 Quanti-Tray			1.0
Endosulfan sulfate	ug/L			ND	ND	ND			EPA 608	0.05	0.002 - 0.009	0.01
Endrin aldehyde	ug/L			ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Endrin	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001 - 0.002	0.01
Ethylbenzene	ug/L		ND	ND	ND	ND			EPA 624	2	0.10 - 0.18	0.50
Fecal coliform	No./100mL	ND	ND	ND	ND	ND			SM 9222D		1	1
Fluoranthene	ug/L		ND	ND	ND	ND			EPA 625	1	0.24	1.0
Fluorene	ug/L		ND	ND	ND	ND			EPA 625	10	0.35	10.0
Fluoride	mg/L	0.658	0.573	0.573	0.668	0.721			SM 4500 F C		0.004	0.100
gamma-BHC	ug/L		ND	ND	ND	DNQ Est. Conc. 0.007			EPA 608	0.02	0.0009 - 0.001	0.01
Gross alpha radioactivity	pCi/L		ND	ND	3.96	8.67		15	EPA 900.0		3.00 - 5.34	3.00 - 5.34
Gross beta radioactivity	pCi/L		9.56	9.56	11.5	13.8			EPA 900.0		2.20 - 3.17	3.17 - 4.00
Heptachlor epoxide	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.001	0.01
Heptachlor	ug/L		ND	ND	ND	ND			EPA 608	0.01	0.0008 - 0.001	0.01
Hexachlorobenzene	ug/L		ND	ND	ND	ND			EPA508.1/EPA625		0.0030 - 0.17	0.050 - 1.0
Hexachlorobutadiene	ug/L			ND	ND	ND			EPA 625	1	0.33	1.0
Hexachlorocyclopentadiene	ug/L		ND	ND	ND	ND			EPA508.1/EPA625	5	0.014 - 0.53	0.050 - 5.0
Hexachloroethane	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
Indeno (1,2,3-cd) pyrene	ug/L	ND	ND	ND	ND	ND	0.098	0.049	EPA 610	10	0.004	0.020
Iron	ug/L		25.2	25.2	33.9	37.8		300	EPA 200.8		3.0 - 3.2	20.0
Isophorone	ug/L			ND	ND	ND			EPA 625	1	0.11	1.0
Lead	ug/L	0.29	0.30	DNQ Est. Conc. 0.18	0.14	0.30	166(7)/62(8)		EPA 200.8	0.5	0.01	0.25
Mercury	ug/L	0.0012	0.0011	DNQ Est. Conc. 0.00032	0.0013	0.0033	0.095(6)(9)	0.051(9)	EPA 1631E		0.00031	0.00050
Methoxychlor	ug/L		ND	ND	ND	ND			EPA 608		0.001	0.01
Methyl bromide (bromomethane)	ug/L		ND	ND	ND	ND			EPA 624	2	0.10 - 0.34	0.50
Methyl chloride (chloromethane)	ug/L		ND	ND	ND	DNQ Est. Conc. 0.19			EPA 624	2	0.06 - 0.19	0.50

Whittier Narrows Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Methyl tert-butyl ether	ug/L		ND				ND		ND		
Methylene chloride	ug/L		ND		DNQ Est. Conc. 0.19		ND		ND		ND
n-Nitrosodi-n-propylamine	ug/L		ND						ND		
n-Nitrosodimethylamine (NDMA)	ug/L	0.030	0.024	0.038	0.022	0.018	0.048	0.023	0.045	0.028	0.021
n-Nitrosodiphenylamine	ug/L		ND						ND		
Naphthalene	ug/L		ND						ND		
Nickel	ug/L		3.22			13.2	3.97		4.46		
Nitrate + nitrite as nitrogen	mg/L	7.57	5.60	6.55	7.69	7.04	6.48	6.83	6.43	6.53	6.89
Nitrate nitrogen	mg/L	7.46	5.41	6.38	7.67	6.93	6.45	6.78	6.37	6.37	6.85
Nitrite nitrogen	mg/L	0.116	0.186	0.166	ND	0.113	0.032	0.049	0.059	0.160	0.041
Nitrobenzene	ug/L		ND						ND		
OctaCDD	pg/L		ND(1)			ND(1)			DNQ Est. Conc. 37(1)		
OctaCDF	pg/L		DNQ Est. Conc. 2.1			ND			ND(1)		
Oil and grease	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Organic nitrogen	mg/L	0.386	0.375	0.745	0.900	0.920	0.670	0.310	ND	ND	ND
P129/138/163	pg/L								ND(1)		
P61/70/74/76	pg/L								DNQ Est. Conc. 13(1)		
P90/101/113	pg/L								DNQ Est. Conc. 23(1)		
PCB-105	pg/L								DNQ Est. Conc. 2.2		
PCB-114	pg/L								ND		
PCB-118	pg/L								DNQ Est. Conc. 11(1)		
PCB-123	pg/L								ND		
PCB-126	pg/L								ND		
PCB-158	pg/L								DNQ Est. Conc. 1.6		
PCB-167	pg/L								DNQ Est. Conc. 1.5		
PCB-169	pg/L								ND		
PCB-170	pg/L								DNQ Est. Conc. 2.3		
PCB-183	pg/L								ND(1)		
PCB-187	pg/L								DNQ Est. Conc. 5.4		
PCB-189	pg/L								ND		
PCB-194	pg/L								ND(1)		
PCB-201	pg/L								ND		
PCB-206	pg/L								ND		
PCB-37	pg/L								DNQ Est. Conc. 4.2		
PCB-52	pg/L								ND(1)		
PCB-66	pg/L								DNQ Est. Conc. 2.5(2)		
PCB-77	pg/L								DNQ Est. Conc. 4.3(2)		
PCB-81	pg/L								ND		
PCB-86/87/97/108/119/125	pg/L								DNQ Est. Conc. 10(1)		
PCB-99	pg/L								DNQ Est. Conc. 4.7		
PCB110/115	pg/L								ND(1)		
PCB128/166	pg/L								ND		
PCB135/151	pg/L								DNQ Est. Conc. 14		
PCB147/149	pg/L								DNQ Est. Conc. 22(1)		
PCB153/168	pg/L								DNQ Est. Conc. 16(1)		
PCB156/157	pg/L								DNQ Est. Conc. 1.4		
PCB18/30	pg/L								DNQ Est. Conc. 6.6		
PCB180/193	pg/L								ND(1)		
PCB20/28	pg/L								DNQ Est. Conc. 5.7		
PCB44/47/65	pg/L								DNQ Est. Conc. 87(1)		
PCB49/69	pg/L								ND(1)(2)		
PCBs as Aroclors Sum	pg/L		ND		ND		ND		ND		ND
PCBs as Congeners Sum	ug/L								ND		
Pentachlorophenol	ug/L		ND		ND		ND		ND		ND
Perchlorate	ug/L	0.26	0.21	0.25	0.33	0.12	0.2	0.6	0.64	0.5	0.84
Phenanthrene	ug/L		ND		ND		ND		ND		ND
Phenol	ug/L		ND		DNQ Est. Conc. 0.17		DNQ Est. Conc. 0.36		DNQ Est. Conc. 0.20		DNQ Est. Conc. 0.41
pH	SU	7.2	7.3	7.3	7.3	7.2	7.2	7.3	7.3	7.4	7.3
Pyrene	ug/L		ND						ND		
Radium-226 + radium-228	pCi/L		ND						ND		
Selenium	ug/L		DNQ Est. Conc. 0.43			DNQ Est. Conc. 0.60	DNQ Est. Conc. 0.49		DNQ Est. Conc. 0.23		
Settleable solids	mL/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L		ND			ND	ND		ND		
Strontium-90	pCi/L		0.180				ND		ND		
Sulfate	mg/L	75.5	86.7	92.4	99.3	140	143	132	130	107	110
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Technical chlordane	ug/L		ND				ND		ND		
Temperature	Degrees F	74.6	74.2	74.3	77.0	78.4	80.9	85.0	86.5	85.0	82.5

Whittier Narrows Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Methyl tert-butyl ether	ug/L		ND	ND	ND	ND			EPA 624		0.12 - 0.16	0.50
Methylene chloride	ug/L		DNQ Est. Conc. 0.13	ND	ND	DNQ Est. Conc. 0.19			EPA 624	2	0.09 - 0.20	0.50
n-Nitrosodi-n-propylamine	ug/L			ND	ND	ND			EPA1625(Mod.)/EPA625	5	0.0006 - 0.50	0.0020 - 5.0
n-Nitrosodimethylamine (NDMA)	ug/L	0.020	0.045	0.018	0.030	0.048			EPA 1625 (Modified)	5	0.0005	0.0020
n-Nitrosodiphenylamine	ug/L			ND	ND	ND			EPA 625	1	0.28	1.0
Naphthalene	ug/L			ND	ND	ND			EPA 625	1	0.13	1.0
Nickel	ug/L	3.98	8.17	3.22	6.17	13.2			EPA 200.8	1	0.07 - 0.12	1.00
Nitrate + nitrite as nitrogen	mg/L	5.47	5.87	5.47	6.58	7.69		8	SM 4500 NO3 F		0.030 - 0.040	0.200
Nitrate nitrogen	mg/L	5.39	5.83	5.39	6.49	7.67		8	SM 4500 NO3 F		0.030	0.200
Nitrite nitrogen	mg/L	0.076	0.037	ND	0.086	0.186		1.0	SM 4500 NO3 F		0.003 - 0.009	0.030
Nitrobenzene	ug/L			ND	ND	ND			EPA 625	1	0.17	1.0
OctaCDD	pg/L	ND(1)		ND	ND	DNQ Est. Conc. 37			EPA 1613B		0.16 - 1.4	100 - 110
OctaCDF	pg/L	ND(1)		ND	ND	DNQ Est. Conc. 2.1			EPA 1613B		0.15 - 1.3	100 - 110
Oil and grease	mg/L	ND	ND	ND	ND	ND	15	10	EPA 1664A		1.2	4.2 - 4.7
Organic nitrogen	mg/L	0.560	0.282	ND	0.429	0.920			EPA351.2/SM4500 NH3 G		0.050 - 0.135	0.200
P129/138/163	pg/L			ND(1)	ND	ND(1)			EPA 1668		0.58	640
P61/70/74/76	pg/L			DNQ Est. Conc. 13(1)	ND	DNQ Est. Conc. 13(1)			EPA 1668		0.65	860
P90/101/113	pg/L			DNQ Est. Conc. 23(1)	ND	DNQ Est. Conc. 23(1)			EPA 1668		0.90	640
PCB-105	pg/L			DNQ Est. Conc. 2.2	ND	DNQ Est. Conc. 2.2			EPA 1668		0.96	21
PCB-114	pg/L			ND	ND	ND			EPA 1668		0.92	21
PCB-118	pg/L			DNQ Est. Conc. 11(1)	ND	DNQ Est. Conc. 11(1)			EPA 1668		0.85	21
PCB-123	pg/L			ND	ND	ND			EPA 1668		0.91	21
PCB-126	pg/L			ND	ND	ND			EPA 1668		0.98	21
PCB-158	pg/L			DNQ Est. Conc. 1.6	ND	DNQ Est. Conc. 1.6			EPA 1668		0.44	210
PCB-167	pg/L			DNQ Est. Conc. 1.5	ND	DNQ Est. Conc. 1.5			EPA 1668		0.40	21
PCB-169	pg/L			ND	ND	ND			EPA 1668		0.45	21
PCB-170	pg/L			DNQ Est. Conc. 2.3	ND	DNQ Est. Conc. 2.3			EPA 1668		0.39	210
PCB-183	pg/L			ND(1)	ND	ND(1)			EPA 1668		0.32	210
PCB-187	pg/L			DNQ Est. Conc. 5.4	ND	DNQ Est. Conc. 5.4			EPA 1668		0.38	210
PCB-189	pg/L			ND	ND	ND			EPA 1668		0.26	21
PCB-194	pg/L			ND(1)	ND	ND(1)			EPA 1668		0.26	210
PCB-201	pg/L			ND	ND	ND			EPA 1668		0.17	210
PCB-206	pg/L			ND	ND	ND			EPA 1668		0.80	210
PCB-37	pg/L			DNQ Est. Conc. 4.2	ND	DNQ Est. Conc. 4.2			EPA 1668		1.0	210
PCB-52	pg/L			ND(1)	ND	ND(1)			EPA 1668		1.1	210
PCB-66	pg/L			DNQ Est. Conc. 2.5(2)	ND	DNQ Est. Conc. 2.5(2)			EPA 1668		0.70	210
PCB-77	pg/L			DNQ Est. Conc. 4.3(2)	ND	DNQ Est. Conc. 4.3(2)			EPA 1668		0.83	21
PCB-81	pg/L			ND	ND	ND			EPA 1668		0.85	21
PCB-86/87/97/108/119/125	pg/L			DNQ Est. Conc. 10(1)	ND	DNQ Est. Conc. 10(1)			EPA 1668		0.90	1300
PCB-99	pg/L			DNQ Est. Conc. 4.7	ND	DNQ Est. Conc. 4.7			EPA 1668		0.92	210
PCB110/115	pg/L			ND(1)	ND	ND(1)			EPA 1668		0.82	430
PCB128/166	pg/L			ND	ND	ND			EPA 1668		0.53	430
PCB135/151	pg/L			DNQ Est. Conc. 14	ND	DNQ Est. Conc. 14			EPA 1668		0.64	430
PCB147/149	pg/L			DNQ Est. Conc. 22(1)	ND	DNQ Est. Conc. 22(1)			EPA 1668		0.61	430
PCB153/168	pg/L			DNQ Est. Conc. 16(1)	ND	DNQ Est. Conc. 16(1)			EPA 1668		0.48	430
PCB156/157	pg/L			DNQ Est. Conc. 1.4	ND	DNQ Est. Conc. 1.4			EPA 1668		0.60	43
PCB18/30	pg/L			DNQ Est. Conc. 6.6	ND	DNQ Est. Conc. 6.6			EPA 1668		0.65	430
PCB180/193	pg/L			ND(1)	ND	ND(1)			EPA 1668		0.30	430
PCB20/28	pg/L			DNQ Est. Conc. 5.7	ND	DNQ Est. Conc. 5.7			EPA 1668		0.86	430
PCB44/47/65	pg/L			DNQ Est. Conc. 87(1)	ND	DNQ Est. Conc. 87(1)			EPA 1668		0.94	640
PCB49/69	pg/L			ND(1)(2)	ND	ND(1)(2)			EPA 1668		0.82	430
PCBs as Aroclors Sum	pg/L		ND	ND	ND	ND			EPA 608			
PCBs as Congeners Sum	ug/L			ND	ND	ND			EPA 1668			
Pentachlorophenol	ug/L		ND	ND	ND	ND			EPA 625	5	0.62	1.0
Perchlorate	ug/L	0.39	0.43	0.12	0.4	0.84		6	EPA 331.0		0.0201	0.05
Phenanthrene	ug/L		ND	ND	ND	ND			EPA 625	5	0.31	5.0
Phenol	ug/L		ND	ND	ND	DNQ Est. Conc. 0.41			EPA 625	1	0.12	1.0
pH	SU	7.3	7.3	7.2	7.3	7.4			SM 4500 H+ B		1.00	1.00 - 4.00
Pyrene	ug/L			ND	ND	ND			EPA 625	10	0.28	10.0
Radium-226 + radium-228	pCi/L		ND	ND	ND	ND			Drinking H2O Rad. Sum Meth			1.0
Selenium	ug/L	DNQ Est. Conc. 0.26	DNQ Est. Conc. 0.44	DNQ Est. Conc. 0.23	ND	DNQ Est. Conc. 0.60			EPA 200.8	2	0.02 - 0.04	1.00
Settleable solids	mL/L	ND	ND	ND	ND	ND	0.3	0.1	SM 2540F		0.1	0.1
Silver	ug/L	ND	ND	ND	ND	ND			EPA 200.8	0.25	0.02	0.20
Strontium-90	pCi/L		ND	ND	0.0450	0.180		8	EPA 905.0		0.235 - 0.281	0.266 - 3.00
Sulfate	mg/L	103	123	75.5	112	143		300	EPA 300.0		0.020 - 0.200	2.50
Surfactant (CTAS)	mg/L	ND	ND	ND	ND	ND			SM 5540D		0.023 - 0.10	0.10 - 0.20
Surfactant (MBAS)	mg/L	ND	ND	ND	ND	ND		0.5	SM 5540C		0.02 - 0.03	0.10
Technical chlordane	ug/L		ND	ND	ND	ND			EPA 608	0.1	0.01 - 0.03	0.05
Temperature	Degrees F	78.8	74.7	74.2	79.3	86.5	86(10)		EPA 170.1 (oF)			

Whittier Narrows Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	January	February	March	April	May	June	July	August	September	October
Tetrachloroethylene	ug/L		ND		ND		ND		ND		ND
Thallium	ug/L		ND			ND	ND		ND		
Toluene	ug/L		DNQ Est. Conc. 0.20		DNQ Est. Conc. 0.10		ND		DNQ Est. Conc. 0.36		DNQ Est. Conc. 0.17
Total chlorinated hydrocarbons (TICH)	ug/L		ND			ND			ND		
Total coliform	No./100mL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total dissolved solids	mg/L	536	536	574	590	662	652	645	644	640	582
Total hardness	mg/L	185	197	208	217	228	217	212	203	204	204
Total nitrogen	mg/L	9.10	6.14	7.43	9.78	8.34	7.42	7.42	6.80	7.13	6.89
Total phosphorus	mg/L	0.20	0.15	0.220	0.164	0.134	0.117	0.141	0.267	0.278	0.206
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total suspended solids	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	ug/L		ND		ND		ND		ND		ND
Toxic equivalence	ug/L		ND			ND			ND		
Trichloroethylene	ug/L		ND		ND		ND		ND		ND
Tritium	pCi/L		ND				ND		ND		
Turbidity (flow proportioned avg daily value)	NTU	0.35	0.34	0.37	0.33	0.39	0.42	0.40	0.41	0.36	0.28
Uranium	pCi/L		1.98				1.37		1.13		
Vinyl chloride	ug/L		ND		ND		ND		ND		ND
Zinc	ug/L	62.4	56.2	70.6	54.3	50.4	51.6	55.7	59.4	51.2	55.8

Whittier Narrows Water Reclamation Plant
2018 EFF-001 and Reuse Monitoring Results

Parameter	Units	November	December	Monthly Average			Limit		Method	ML	MDL	RDL
				Minimum	Average	Maximum	Max Daily	Monthly Average				
Tetrachloroethylene	ug/L		ND	ND	ND	ND			EPA 624	2	0.16 - 0.25	0.50
Thallium	ug/L	ND	ND	ND	ND	ND			EPA 200.8	1	0.010 - 0.015	0.25
Toluene	ug/L		DNQ Est. Conc. 0.27	ND	ND	DNQ Est. Conc. 0.36			EPA 624	2	0.06 - 0.19	0.50
Total chlorinated hydrocarbons (TICH)	ug/L	ND		ND	ND	ND			EPA 608			
Total coliform	No./100mL	ND	ND	ND	ND	ND	(11)	(11)	SM 9222B		1	1
Total dissolved solids	mg/L	598	624	536	607	662		750	SM 2540C		2.7	50.0 - 62.5
Total hardness	mg/L	199	205	185	207	228			EPA200.8/SM2340C			0.05 - 10
Total nitrogen	mg/L	6.43	6.45	6.14	7.44	9.78			Total Nitrogen Calculation			0.200
Total phosphorus	mg/L	0.233	0.278	0.117	0.20	0.278			EPA 365.1		0.001 - 0.028	0.010 - 0.030
Total residual chlorine	mg/L	ND	ND	ND	ND	ND	0.1		SM 4500 Cl G		0.03	0.10
Total suspended solids	mg/L	ND	ND	ND	ND	ND	45	15	SM 2540D		2.5	2.5
Toxaphene	ug/L		ND	ND	ND	ND			EPA 608	0.5	0.04 - 0.08	0.5
Toxic equivalence	ug/L	ND		ND	ND	ND			EPA 1613B			
Trichloroethylene	ug/L		ND	ND	ND	ND			EPA 624	2	0.13 - 0.28	0.50
Tritium	pCi/L		ND	ND	ND	ND		2000	EPA 906.0		247 - 434	434 - 500
Turbidity (flow proportioned avg daily value)	NTU	0.42	0.33	0.28	0.37	0.42	2		SM 2130B		0.12	0.12
Uranium	pCi/L		1.08	1.08	1.39	1.98			EPA 908.0		0.113 - 0.342	0.342 - 1.00
Vinyl chloride	ug/L		ND	ND	ND	ND			EPA 624	2	0.20 - 0.37	0.50
Zinc	ug/L	61.2	67.8	50.4	58.1	70.6	159(8)	114(8)	EPA 200.8	1	0.60 - 0.70	1.00

(1) Blank contamination observed.
(2) Possible interference observed. The measured ion ratio did not meet qualitative criteria for analysis and results are considered to be an estimated maximum possible concentration.
(3) Ammonia Nitrogen effluent limitations apply to Discharge Point 001 that flow into San Gabriel River. ELS Present seasonal limits are from April 1 through September 30.
(4) Ammonia Nitrogen effluent limitations apply to Discharge Point 001 that flow into San Gabriel River. ELS Absent seasonal limits are from October 1 through March 31.
(5) Effluent limits apply to Discharge Point 001 that flow into San Gabriel River.
(6) Effluent limits apply to Discharge Point 002, 003, and 004 that flow into Rio Hondo.
(7) Wet weather effluent limits apply to Discharge Points 001 when the maximum daily flow measured at the San Gabriel River, USGS gauging station 11087020 is equal to or greater than 260 cubic feet per second.
(8) Wet weather effluent limits apply to Discharge point 002, 003, and 004 when the maximum daily flow measured at the Los Angeles River Wardlow station is equal to or greater than 500 cubic feet per second.
(9) Mercury effluent limits do not apply to Discharge Point 001 (San Gabriel River) because the discharge does not show reasonable potential to exceed the criteria.
(10) The temperature of wastes discharged shall not exceed 86° F except as a result of external ambient temperature.
(11) The number of total coliform bacteria shall not exceed 2.2/100 mL as a 7-day median, 23/100 mL in more than one sample within any 30-day period and 240/100 mL in any sample.