



WECK LABORATORIES, INC.

# Certificate of Analysis

FINAL REPORT

**Work Orders:** OJ01008

**Report Date:** 10/21/2020

**Project:** City of Paramount

**Received Date:** 10/5/2020

**Turnaround Time:** Normal

**Phones:** (562) 275-4252

**Fax:** (562) 921-6101

**Attn:** Charlene King

**P.O. #:**

**Client:** Water Replenishment District  
4040 Paramount Blvd.  
Lakewood, CA 90712

**Billing Code:**

DoD-ISO ANAB # • ELAP-CA #1132 • EPA-UCMR #CA00211 • HW-DOH # • ISO17025 ANAB #L2457.01 • LACSD #10143 •  
NELAP-OR #4047 • NJ-DEP #CA015 • SCAQMD #93LA1006

*This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.*

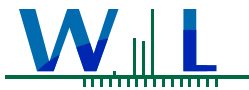
Dear Charlene King,

Enclosed are the results of analyses for samples received 10/05/20 with the Chain-of-Custody document. The samples were received in good condition, at 1.8 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

**Reviewed by:**

Valerie I. Rejuso  
Project Manager





WECK LABORATORIES, INC.

Water Replenishment District  
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10/21/2020 15:23

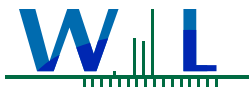
**Project Manager:** Charlene King

## Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
Well 13 Pre 1910105-015	Carlos Navarro (wecklabs)	OJ01008-01	Water	10/05/20 10:37	
Well 13 Pre FB	Carlos Navarro (wecklabs)	OJ01008-02	Water	10/05/20 00:00	
Well 13 Effluent 1910105-024	Carlos Navarro (wecklabs)	OJ01008-03	Water	10/05/20 10:56	
Well 13 EFF FB	Carlos Navarro (wecklabs)	OJ01008-04	Water	10/05/20 00:00	
Well 14 1910105-016	Carlos Navarro (wecklabs)	OJ01008-05	Water	10/05/20 10:18	
Well 14 FB	Carlos Navarro (wecklabs)	OJ01008-06	Water	10/05/20 00:00	
Well 15 Pre 1910105-025	Carlos Navarro (wecklabs)	OJ01008-07	Water	10/05/20 11:05	
Well 15 Eff 1910105-027	Carlos Navarro (wecklabs)	OJ01008-08	Water	10/05/20 11:07	
Travel Blank	Carlos Navarro (wecklabs)	OJ01008-09	Water	10/05/20 00:00	

## Analyses Accreditation Summary

Analyte	CAS #	Not By NELAP	ANAB ISO 17025
<b>AWWA in Water</b> Aggressive Index		✓	



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Project Manager: Charlene King

## Sample Results

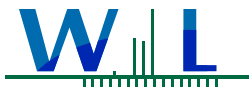
Sample: Well 13 Pre 1910105-015  
0J01008-01 (Water)

Sampled: 10/05/20 10:37 by Carlos Navarro (wecklabs)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Anions by IC, EPA Method 300.0</b>						
Method: EPA 300.0		Instr: LC12				
Batch ID: W0J0362	Preparation: _NONE (LC)	Prepared: 10/07/20 10:00		Analyst: jan		
Chloride, Total	14	0.50	mg/l	1	10/08/20	
Fluoride, Total	0.27	0.10	mg/l	1	10/08/20	
Sulfate as SO4	29	0.50	mg/l	1	10/08/20	
<b>Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods</b>						
Method: *** DEFAULT SPECIFIC METHOD ***		Instr: [CALC]				
Batch ID: [CALC]	Preparation: [CALC]	Prepared: 10/10/20 11:49		Analyst: jan		
Total Anions	5.0	0.13	meq/l	1	10/08/20	
Total Cations	4.6	0.038	meq/l	1	10/10/20	
Total hardness as CaCO3	170	0.66	mg/l	1	10/10/20	
Method: AWWA		Instr: _ANALYST				
Batch ID: W0J1056	Preparation: _NONE (METALS)	Prepared: 10/19/20 15:40		Analyst: aln		
Aggressive Index	12.1		N/A	1	10/19/20	
Method: EPA 140.1		Instr: _ANALYST				
Batch ID: W0J0210	Preparation: _NONE (WETCHEM)	Prepared: 10/05/20 16:49		Analyst: ssi		
Threshold Odor Number	ND	1.0	T.O.N.	1	10/05/20 17:45	
Method: EPA 180.1		Instr: TURB01				
Batch ID: W0J0219	Preparation: _NONE (WETCHEM)	Prepared: 10/05/20 17:18		Analyst: SBN		
Turbidity	ND	0.10	NTU	1	10/05/20 17:49	
Method: EPA 335.4		Instr: AA01				
Batch ID: W0J0175	Preparation: MIDI-Distillation	Prepared: 10/05/20 12:35		Analyst: SAR		
Cyanide, Total	ND	5.0	ug/l	1	10/06/20	
Method: EPA 353.2		Instr: AA01				
Batch ID: W0J0209	Preparation: _NONE (WETCHEM)	Prepared: 10/05/20 16:27		Analyst: sar		
Nitrate as N	ND	0.20	mg/l	1	10/06/20 11:13	
Nitrite as N	ND	100	ug/l	1	10/06/20 11:13	
Method: SM 2120B		Instr: _ANALYST				
Batch ID: W0J0264	Preparation: _NONE (WETCHEM)	Prepared: 10/06/20 10:51		Analyst: ism		
Color	ND	3.0	Color Units	1	10/06/20 11:11	
Method: SM 2320B		Instr: AA02				
Batch ID: W0J0365	Preparation: _NONE (WETCHEM)	Prepared: 10/07/20 09:55		Analyst: sbn		
Alkalinity as CaCO3	200	5.0	mg/l	1	10/07/20	
Bicarbonate Alkalinity as HCO3	240	6.1	mg/l	1	10/07/20	
Carbonate Alkalinity as CaCO3	ND	5.0	mg/l	1	10/07/20	
Hydroxide Alkalinity as CaCO3	ND	5.0	mg/l	1	10/07/20	
Method: SM 2510B		Instr: AA02				
Batch ID: W0J0165	Preparation: _NONE (WETCHEM)	Prepared: 10/05/20 11:25		Analyst: sbn		

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10/21/2020 15:23

Project Manager: Charlene King

## Sample Results

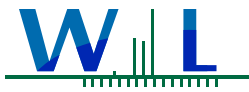
(Continued)

Sample: Well 13 Pre 1910105-015  
0J01008-01 (Water)

Sampled: 10/05/20 10:37 by Carlos Navarro (wecklabs)

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods (Continued)</b>						
<b>Method:</b> SM 2510B				<b>Instr:</b> AA02		
<b>Batch ID:</b> W0J0165	<b>Preparation:</b> _NONE (WETCHEM)			<b>Prepared:</b> 10/05/20 11:25		<b>Analyst:</b> sbn
Specific Conductance (EC)	440	2.0	umhos/cm	1	10/06/20	
<b>Method:</b> SM 2540C				<b>Instr:</b> OVEN01		
<b>Batch ID:</b> W0J0548	<b>Preparation:</b> _NONE (WETCHEM)			<b>Prepared:</b> 10/09/20 13:33		<b>Analyst:</b> ism
Total Dissolved Solids	280	10	mg/l	1	10/09/20	
<b>Method:</b> SM 4500H+-B				<b>Instr:</b> AA02		
<b>Batch ID:</b> W0J0211	<b>Preparation:</b> _NONE (WETCHEM)			<b>Prepared:</b> 10/05/20 17:07		<b>Analyst:</b> sbn
pH	7.63	0.10	Units	1	10/05/20 17:42	*
<b>Method:</b> SM 5540C				<b>Instr:</b> UVVIS04		
<b>Batch ID:</b> W0J0283	<b>Preparation:</b> _NONE (WETCHEM)			<b>Prepared:</b> 10/06/20 12:01		<b>Analyst:</b> mfh
MBAS	ND	0.050	mg/l	1	10/06/20 17:44	
<b>Metals by EPA 200 Series Methods</b>						
<b>Method:</b> EPA 200.7				<b>Instr:</b> ICP03		
<b>Batch ID:</b> W0J0571	<b>Preparation:</b> _NONE (METALS)			<b>Prepared:</b> 10/10/20 11:49		<b>Analyst:</b> kvm
Calcium, Total	58	0.10	mg/l	1	10/10/20	
Copper, Total	ND	10	ug/l	1	10/10/20	
Iron, Total	13	10	ug/l	1	10/10/20	
Magnesium, Total	6.1	0.10	mg/l	1	10/10/20	
Manganese, Total	83	5.0	ug/l	1	10/10/20	
Potassium, Total	2.9	0.10	mg/l	1	10/10/20	
Sodium, Total	27	0.50	mg/l	1	10/10/20	
Zinc, Total	ND	50	ug/l	1	10/10/20	
<b>Method:</b> EPA 200.8				<b>Instr:</b> ICPMS05		
<b>Batch ID:</b> W0J0591	<b>Preparation:</b> EPA 200.2			<b>Prepared:</b> 10/11/20 15:06		<b>Analyst:</b> jdm
Aluminum, Total	ND	20	ug/l	1	10/15/20	
Antimony, Total	ND	0.50	ug/l	1	10/15/20	
Arsenic, Total	17	0.40	ug/l	1	10/15/20	
Barium, Total	160	1.0	ug/l	1	10/15/20	
Beryllium, Total	ND	0.10	ug/l	1	10/15/20	
Cadmium, Total	ND	0.20	ug/l	1	10/15/20	
Chromium, Total	ND	0.20	ug/l	1	10/15/20	
Lead, Total	ND	0.20	ug/l	1	10/15/20	
Nickel, Total	ND	2.0	ug/l	1	10/15/20	
Selenium, Total	ND	0.40	ug/l	1	10/15/20	
Silver, Total	ND	0.20	ug/l	1	10/15/20	
Thallium, Total	ND	0.20	ug/l	1	10/15/20	



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Project Manager: Charlene King

## Sample Results

(Continued)

Sample: Well 13 Pre 1910105-015  
0J01008-01 (Water)

Sampled: 10/05/20 10:37 by Carlos Navarro (wecklabs)

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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### Metals by EPA 200 Series Methods (Continued)

<b>Method:</b> EPA 245.1		<b>Instr:</b> HG03				
<b>Batch ID:</b> W0J0578	<b>Preparation:</b> EPA 245.1	<b>Prepared:</b> 10/12/20 09:55		<b>Analyst:</b> asn		
Mercury, Total	ND	0.050	ug/l	1	10/13/20	

### Per- and Polyfluorinated Alkyl Substances (PFAS) by SPE/LCMSMS

<b>Method:</b> EPA 537.1		<b>Instr:</b> LCMS06				
<b>Batch ID:</b> W0J0691	<b>Preparation:</b> EPA 537/SPE	<b>Prepared:</b> 10/13/20 10:35		<b>Analyst:</b> jna		
11CI-PF3OUdS	ND	1.8	ng/l	1	10/15/20	
9CI-PF3ONS	ND	1.8	ng/l	1	10/15/20	
ADONA	ND	1.8	ng/l	1	10/15/20	
EtFOSAA	ND	1.8	ng/l	1	10/15/20	
HFPO-DA	ND	1.8	ng/l	1	10/15/20	
MeFOSAA	ND	1.8	ng/l	1	10/15/20	
PFBS	ND	1.8	ng/l	1	10/15/20	
PFDA	ND	1.8	ng/l	1	10/15/20	
PFDaA	ND	1.8	ng/l	1	10/15/20	
PFHpA	ND	1.8	ng/l	1	10/15/20	
PFHxA	ND	1.8	ng/l	1	10/15/20	
PFHxS	ND	1.8	ng/l	1	10/15/20	
PFNA	ND	1.8	ng/l	1	10/15/20	
PFOA	ND	1.8	ng/l	1	10/15/20	
PFOS	ND	1.8	ng/l	1	10/15/20	
PFTeDA	ND	1.8	ng/l	1	10/15/20	
PFTTrDA	ND	1.8	ng/l	1	10/15/20	
PFUnA	ND	1.8	ng/l	1	10/15/20	

<i>Surrogate(s)</i>						
13C2-PFDA	88%	Conc: 31.5	70-130			10/15/20
13C2-PFHxA	96%	Conc: 34.3	70-130			10/15/20
d5-EtFOSAA	79%	Conc: 28.0	70-130			10/15/20
HFPO-DA-13C3	94%	Conc: 33.4	70-130			10/15/20

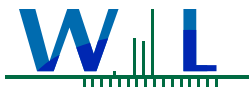
### Perchlorate by EPA 314.0

<b>Method:</b> EPA 314.0		<b>Instr:</b> LC08_Channel1				
<b>Batch ID:</b> W0J0151	<b>Preparation:</b> _NONE	<b>Prepared:</b> 10/05/20 13:58		<b>Analyst:</b> JAN		
Perchlorate	ND	2.0	ug/l	1	10/06/20	

### Volatile Organic Compounds by P&T and GC/MS

<b>Method:</b> EPA 524.2		<b>Instr:</b> GCMS12				
<b>Batch ID:</b> W0J0235	<b>Preparation:</b> EPA 524.2 P&T	<b>Prepared:</b> 10/06/20 07:45		<b>Analyst:</b> ADM		
Methylene chloride	ND	0.50	ug/l	1	10/06/20	

*Surrogate(s)*  
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## Sample Results

(Continued)

Sample: Well 13 Pre 1910105-015  
OJ01008-01 (Water)

Sampled: 10/05/20 10:37 by Carlos Navarro (wecklabs)

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Volatile Organic Compounds by P&amp;T and GC/MS (Continued)</b>						
<b>Method:</b> EPA 524.2		<b>Instr:</b> GCMS12				
<b>Batch ID:</b> W0J0235	<b>Preparation:</b> EPA 524.2 P&T	<b>Prepared:</b> 10/06/20 07:45		<b>Analyst:</b> ADM		
1,2-Dichlorobenzene-d4	96%	Conc: 9.62	70-130		10/06/20	
4-Bromofluorobenzene	96%	Conc: 9.59	70-130		10/06/20	

Sample: Well 13 Pre FB  
OJ01008-02 (Water)

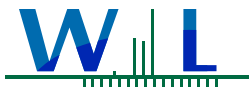
Sampled: 10/05/20 0:00 by Carlos Navarro (wecklabs)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Per- and Polyfluorinated Alkyl Substances (PFAS) by SPE/LCMSMS</b>						
<b>Method:</b> EPA 537.1		<b>Instr:</b> LCMS06				
<b>Batch ID:</b> W0J0691	<b>Preparation:</b> EPA 537/SPE	<b>Prepared:</b> 10/13/20 10:35		<b>Analyst:</b> jna		
11Cl-PF3OUdS	ND	1.8	ng/l	1	10/15/20	
9Cl-PF3ONS	ND	1.8	ng/l	1	10/15/20	
ADONA	ND	1.8	ng/l	1	10/15/20	
EtFOSAA	ND	1.8	ng/l	1	10/15/20	
HFPO-DA	ND	1.8	ng/l	1	10/15/20	
MeFOSAA	ND	1.8	ng/l	1	10/15/20	
PFBS	ND	1.8	ng/l	1	10/15/20	
PFDA	ND	1.8	ng/l	1	10/15/20	
PFDoA	ND	1.8	ng/l	1	10/15/20	
PFHpA	ND	1.8	ng/l	1	10/15/20	
PFHxA	ND	1.8	ng/l	1	10/15/20	
PFHxS	ND	1.8	ng/l	1	10/15/20	
PFNA	ND	1.8	ng/l	1	10/15/20	
PFOA	ND	1.8	ng/l	1	10/15/20	
PFOS	ND	1.8	ng/l	1	10/15/20	
PFTeDA	ND	1.8	ng/l	1	10/15/20	
PFTrDA	ND	1.8	ng/l	1	10/15/20	
PFUnA	ND	1.8	ng/l	1	10/15/20	

Surrogate(s)

13C2-PFDA	78%	Conc: 27.8	70-130		10/15/20	
13C2-PFHxA	78%	Conc: 27.8	70-130		10/15/20	
d5-EtFOSAA	64%	Conc: 22.9	70-130		10/15/20	
HFPO-DA-13C3	72%	Conc: 25.6	70-130		10/15/20	

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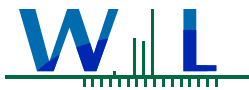
Sample: Well 13 Effluent 1910105-024  
0J01008-03 (Water)

Sampled: 10/05/20 10:56 by Carlos Navarro (wecklabs)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Anions by IC, EPA Method 300.0</b>						
Method: EPA 300.0		Instr: LC12				
Batch ID: W0J0362	Preparation: _NONE (LC)	Prepared: 10/07/20 10:00	Analyst: jan			
Chloride, Total	23	0.50	mg/l	1	10/08/20	
Fluoride, Total	0.27	0.10	mg/l	1	10/08/20	
Sulfate as SO4	35	0.50	mg/l	1	10/08/20	
<b>Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods</b>						
Method: *** DEFAULT SPECIFIC METHOD ***		Instr: [CALC]				
Batch ID: [CALC]	Preparation: [CALC]	Prepared: 10/10/20 11:49	Analyst: jan			
Total Anions	5.2	0.13	meq/l	1	10/08/20	
Total Cations	4.7	0.038	meq/l	1	10/10/20	
Total hardness as CaCO3	170	0.66	mg/l	1	10/10/20	
Method: AWWA		Instr: _ANALYST				
Batch ID: W0J1056	Preparation: _NONE (METALS)	Prepared: 10/19/20 15:40	Analyst: aln			
Aggressive Index	12.1		N/A	1	10/19/20	
Method: EPA 140.1		Instr: _ANALYST				
Batch ID: W0J0210	Preparation: _NONE (WETCHEM)	Prepared: 10/05/20 16:49	Analyst: ssi			
Threshold Odor Number	ND	1.0	T.O.N.	1	10/05/20 17:45	
Method: EPA 180.1		Instr: TURB01				
Batch ID: W0J0219	Preparation: _NONE (WETCHEM)	Prepared: 10/05/20 17:18	Analyst: SBN			
Turbidity	ND	0.10	NTU	1	10/05/20 17:50	
Method: EPA 335.4		Instr: AA01				
Batch ID: W0J0175	Preparation: MIDI-Distillation	Prepared: 10/05/20 12:35	Analyst: SAR			
Cyanide, Total	ND	5.0	ug/l	1	10/06/20	
Method: EPA 353.2		Instr: AA01				
Batch ID: W0J0209	Preparation: _NONE (WETCHEM)	Prepared: 10/05/20 16:27	Analyst: sar			
Nitrate as N	ND	0.20	mg/l	1	10/06/20 11:07	
Nitrite as N	ND	100	ug/l	1	10/06/20 11:07	
Method: SM 2120B		Instr: _ANALYST				
Batch ID: W0J0264	Preparation: _NONE (WETCHEM)	Prepared: 10/06/20 10:51	Analyst: ism			
Color	ND	3.0	Color Units	1	10/06/20 11:11	
Method: SM 2320B		Instr: AA02				
Batch ID: W0J0365	Preparation: _NONE (WETCHEM)	Prepared: 10/07/20 09:55	Analyst: sbn			
Alkalinity as CaCO3	190	5.0	mg/l	1	10/07/20	
Bicarbonate Alkalinity as HCO3	230	6.1	mg/l	1	10/07/20	
Carbonate Alkalinity as CaCO3	ND	5.0	mg/l	1	10/07/20	
Hydroxide Alkalinity as CaCO3	ND	5.0	mg/l	1	10/07/20	
Method: SM 2510B		Instr: AA02				
Batch ID: W0J0165	Preparation: _NONE (WETCHEM)	Prepared: 10/05/20 11:25	Analyst: sbn			

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## Sample Results

(Continued)

Sample: Well 13 Effluent 1910105-024  
0J01008-03 (Water)

Sampled: 10/05/20 10:56 by Carlos Navarro (wecklabs)

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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### Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods (Continued)

Method: SM 2510B Instr: AA02

Batch ID: W0J0165 Preparation: \_NONE (WETCHEM) Prepared: 10/05/20 11:25 Analyst: sbn

Specific Conductance (EC) ..... 460 2.0 umhos/cm 1 10/06/20

Method: SM 2540C Instr: OVEN01

Batch ID: W0J0548 Preparation: \_NONE (WETCHEM) Prepared: 10/09/20 13:33 Analyst: ism

Total Dissolved Solids ..... 280 10 mg/l 1 10/09/20

Method: SM 4500H+-B Instr: AA02

Batch ID: W0J0211 Preparation: \_NONE (WETCHEM) Prepared: 10/05/20 17:07 Analyst: sbn

pH ..... 7.67 0.10 Units 1 10/05/20 17:50 \*

Method: SM 5540C Instr: UVVIS04

Batch ID: W0J0283 Preparation: \_NONE (WETCHEM) Prepared: 10/06/20 12:01 Analyst: mfh

MBAS ..... ND 0.050 mg/l 1 10/06/20 17:44

### Metals by EPA 200 Series Methods

Method: EPA 200.7 Instr: ICP03

Batch ID: W0J0571 Preparation: \_NONE (METALS) Prepared: 10/10/20 11:49 Analyst: kvm

Calcium, Total ..... 57 0.10 mg/l 1 10/10/20

Copper, Total ..... ND 10 ug/l 1 10/10/20

Iron, Total ..... 14 10 ug/l 1 10/10/20

Magnesium, Total ..... 6.1 0.10 mg/l 1 10/10/20

Manganese, Total ..... ND 5.0 ug/l 1 10/10/20

Potassium, Total ..... 2.8 0.10 mg/l 1 10/10/20

Sodium, Total ..... 30 0.50 mg/l 1 10/10/20

Zinc, Total ..... ND 50 ug/l 1 10/10/20

Method: EPA 200.8 Instr: ICPMS05

Batch ID: W0J0591 Preparation: EPA 200.2 Prepared: 10/11/20 15:06 Analyst: jdm

Aluminum, Total ..... ND 20 ug/l 1 10/15/20

Antimony, Total ..... ND 0.50 ug/l 1 10/15/20

Arsenic, Total ..... 2.3 0.40 ug/l 1 10/15/20

Barium, Total ..... 140 1.0 ug/l 1 10/15/20

Beryllium, Total ..... ND 0.10 ug/l 1 10/15/20

Cadmium, Total ..... ND 0.20 ug/l 1 10/15/20

Chromium, Total ..... 0.27 0.20 ug/l 1 10/15/20

Lead, Total ..... ND 0.20 ug/l 1 10/15/20

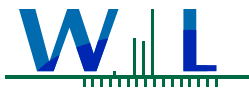
Nickel, Total ..... ND 2.0 ug/l 1 10/15/20

Selenium, Total ..... ND 0.40 ug/l 1 10/15/20

Silver, Total ..... ND 0.20 ug/l 1 10/15/20

Thallium, Total ..... ND 0.20 ug/l 1 10/15/20





WECK LABORATORIES, INC.

Water Replenishment District  
4040 Paramount Blvd.  
Lakewood, CA 90712

# Certificate of Analysis

FINAL REPORT

Project Number: City of Paramount

Reported:

10/21/2020 15:23

Project Manager: Charlene King

## Sample Results

(Continued)

Sample: Well 13 Effluent 1910105-024  
0J01008-03 (Water)

Sampled: 10/05/20 10:56 by Carlos Navarro (wecklabs)

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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### Metals by EPA 200 Series Methods (Continued)

<b>Method:</b> EPA 245.1		<b>Instr:</b> HG03				
<b>Batch ID:</b> W0J0578	<b>Preparation:</b> EPA 245.1	<b>Prepared:</b> 10/12/20 09:55				<b>Analyst:</b> asn
Mercury, Total	ND	0.050	ug/l	1	10/13/20	

### Per- and Polyfluorinated Alkyl Substances (PFAS) by SPE/LCMSMS

<b>Method:</b> EPA 537.1		<b>Instr:</b> LCMS06				
<b>Batch ID:</b> W0J0691	<b>Preparation:</b> EPA 537/SPE	<b>Prepared:</b> 10/13/20 10:35				<b>Analyst:</b> jna
11CI-PF3OUdS	ND	1.8	ng/l	1	10/15/20	
9CI-PF3ONS	ND	1.8	ng/l	1	10/15/20	
ADONA	ND	1.8	ng/l	1	10/15/20	
EtFOSAA	ND	1.8	ng/l	1	10/15/20	
HFPO-DA	ND	1.8	ng/l	1	10/15/20	
MeFOSAA	ND	1.8	ng/l	1	10/15/20	
PFBS	ND	1.8	ng/l	1	10/15/20	
PFDA	ND	1.8	ng/l	1	10/15/20	
PFDaA	ND	1.8	ng/l	1	10/15/20	
PFHpA	ND	1.8	ng/l	1	10/15/20	
PFHxA	ND	1.8	ng/l	1	10/15/20	
PFHxS	ND	1.8	ng/l	1	10/15/20	
PFNA	ND	1.8	ng/l	1	10/15/20	
PFOA	ND	1.8	ng/l	1	10/15/20	
PFOS	ND	1.8	ng/l	1	10/15/20	
PFTeDA	ND	1.8	ng/l	1	10/15/20	
PFTTrDA	ND	1.8	ng/l	1	10/15/20	
PFOUnA	ND	1.8	ng/l	1	10/15/20	

<i>Surrogate(s)</i>						
13C2-PFDA	97%	Conc: 34.2	70-130			10/15/20
13C2-PFHxA	91%	Conc: 31.9	70-130			10/15/20
d5-EtFOSAA	83%	Conc: 29.1	70-130			10/15/20
HFPO-DA-13C3	83%	Conc: 29.2	70-130			10/15/20

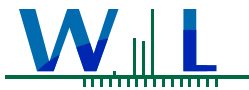
### Perchlorate by EPA 314.0

<b>Method:</b> EPA 314.0		<b>Instr:</b> LC08_Channel1				
<b>Batch ID:</b> W0J0151	<b>Preparation:</b> _NONE	<b>Prepared:</b> 10/05/20 13:58				<b>Analyst:</b> JAN
Perchlorate	ND	2.0	ug/l	1	10/06/20	

### Volatile Organic Compounds by P&T and GC/MS

<b>Method:</b> EPA 524.2		<b>Instr:</b> GCMS12				
<b>Batch ID:</b> W0J0235	<b>Preparation:</b> EPA 524.2 P&T	<b>Prepared:</b> 10/06/20 07:45				<b>Analyst:</b> ADM
Methylene chloride	ND	0.50	ug/l	1	10/07/20	

*Surrogate(s)*  
0J01008 Page 9 of 26



WECK LABORATORIES, INC.

Water Replenishment District  
4040 Paramount Blvd.  
Lakewood, CA 90712

# Certificate of Analysis

FINAL REPORT

**Project Number:** City of Paramount

**Reported:**

10/21/2020 15:23

**Project Manager:** Charlene King

## Sample Results

(Continued)

Sample: Well 13 Effluent 1910105-024  
0J01008-03 (Water)

Sampled: 10/05/20 10:56 by Carlos Navarro (wecklabs)

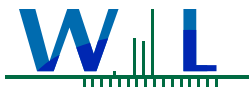
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Volatile Organic Compounds by P&amp;T and GC/MS (Continued)</b>						
<b>Method:</b> EPA 524.2		<b>Instr:</b> GCMS12				
<b>Batch ID:</b> W0J0235	<b>Preparation:</b> EPA 524.2 P&T	<b>Prepared:</b> 10/06/20 07:45		<b>Analyst:</b> ADM		
1,2-Dichlorobenzene-d4	96%	Conc: 9.64	70-130		10/07/20	
4-Bromofluorobenzene	81%	Conc: 8.12	70-130		10/07/20	

Sample: Well 13 EFF FB  
0J01008-04 (Water)

Sampled: 10/05/20 0:00 by Carlos Navarro (wecklabs)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Per- and Polyfluorinated Alkyl Substances (PFAS) by SPE/LCMSMS</b>						
<b>Method:</b> EPA 537.1		<b>Instr:</b> LCMS06				
<b>Batch ID:</b> W0J0691	<b>Preparation:</b> EPA 537/SPE	<b>Prepared:</b> 10/13/20 10:35		<b>Analyst:</b> jna		
11Cl-PF3OUdS	ND	2.0	ng/l	1	10/15/20	
9Cl-PF3ONS	ND	2.0	ng/l	1	10/15/20	
ADONA	ND	2.0	ng/l	1	10/15/20	
EtFOSAA	ND	2.0	ng/l	1	10/15/20	
HFPO-DA	ND	2.0	ng/l	1	10/15/20	
MeFOSAA	ND	2.0	ng/l	1	10/15/20	
PFBS	ND	2.0	ng/l	1	10/15/20	
PFDA	ND	2.0	ng/l	1	10/15/20	
PFDoA	ND	2.0	ng/l	1	10/15/20	
PFHpA	ND	2.0	ng/l	1	10/15/20	
PFHxA	ND	2.0	ng/l	1	10/15/20	
PFHxS	ND	2.0	ng/l	1	10/15/20	
PFNA	ND	2.0	ng/l	1	10/15/20	
PFOA	ND	2.0	ng/l	1	10/15/20	
PFOS	ND	2.0	ng/l	1	10/15/20	
PFTeDA	ND	2.0	ng/l	1	10/15/20	
PFTrDA	ND	2.0	ng/l	1	10/15/20	
PFUnA	ND	2.0	ng/l	1	10/15/20	
<b>Surrogate(s)</b>						
13C2-PFDA	87%	Conc: 32.2	70-130		10/15/20	
13C2-PFHxA	87%	Conc: 32.0	70-130		10/15/20	
d5-EtFOSAA	71%	Conc: 26.4	70-130		10/15/20	
HFPO-DA-13C3	82%	Conc: 30.3	70-130		10/15/20	



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# Certificate of Analysis

FINAL REPORT

Project Number: City of Paramount

Reported:

10/21/2020 15:23

Project Manager: Charlene King

## Sample Results

(Continued)

Sample: Well 14 1910105-016  
0J01008-05 (Water)

Sampled: 10/05/20 10:18 by Carlos Navarro (wecklabs)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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### 1,4-Dioxane Low Level by isotopic dilution SPME-GC/MS

Method: EPA 8270M

Instr: GCMS11

Batch ID: W0J0793

Preparation: SPME

Prepared: 10/14/20 10:24

Analyst: mld

1,4-Dioxane	1.8	0.50	ug/l	1	10/14/20	
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### Metals by EPA 200 Series Methods

Method: EPA 200.8

Instr: ICPMS03

Batch ID: W0J0472

Preparation: EPA 200.2

Prepared: 10/08/20 12:03

Analyst: ALN

Manganese, Total	19	1.0	ug/l	1	10/13/20	
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### Per- and Polyfluorinated Alkyl Substances (PFAS) by SPE/LCMSMS

Method: EPA 537.1

Instr: LCMS06

Batch ID: W0J0691

Preparation: EPA 537/SPE

Prepared: 10/13/20 10:35

Analyst: jna

11CI-PF3OUdS	ND	1.8	ng/l	1	10/15/20	
9CI-PF3ONS	ND	1.8	ng/l	1	10/15/20	
ADONA	ND	1.8	ng/l	1	10/15/20	
EtFOSAA	ND	1.8	ng/l	1	10/15/20	
HFPO-DA	ND	1.8	ng/l	1	10/15/20	
MeFOSAA	ND	1.8	ng/l	1	10/15/20	
PFBS	ND	1.8	ng/l	1	10/15/20	
PFDA	ND	1.8	ng/l	1	10/15/20	
PFDoA	ND	1.8	ng/l	1	10/15/20	
PFHpA	ND	1.8	ng/l	1	10/15/20	
PFHxA	ND	1.8	ng/l	1	10/15/20	
PFHxS	ND	1.8	ng/l	1	10/15/20	
PFNA	ND	1.8	ng/l	1	10/15/20	
PFOA	ND	1.8	ng/l	1	10/15/20	
PFOS	4.5	1.8	ng/l	1	10/15/20	
PFTeDA	ND	1.8	ng/l	1	10/15/20	
PFTTrDA	ND	1.8	ng/l	1	10/15/20	
PFUnA	ND	1.8	ng/l	1	10/15/20	

#### Surrogate(s)

13C2-PFDA	85%	Conc: 29.8	70-130	10/15/20
13C2-PFHxA	90%	Conc: 31.7	70-130	10/15/20
d5-EtFOSAA	74%	Conc: 26.1	70-130	10/15/20
HFPO-DA-13C3	78%	Conc: 27.5	70-130	10/15/20

### Volatile Organic Compounds by P&T and GC/MS

Method: EPA 524.2

Instr: GCMS12

Batch ID: W0J0235

Preparation: EPA 524.2 P&T

Prepared: 10/06/20 07:45

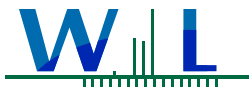
Analyst: ADM

Methylene chloride	ND	0.50	ug/l	1	10/07/20	
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#### Surrogate(s)

0J01008

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WECK LABORATORIES, INC.

Water Replenishment District  
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Lakewood, CA 90712

# Certificate of Analysis

FINAL REPORT

**Project Number:** City of Paramount

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10/21/2020 15:23

**Project Manager:** Charlene King

## Sample Results

(Continued)

Sample: Well 14 1910105-016  
0J01008-05 (Water)

Sampled: 10/05/20 10:18 by Carlos Navarro (wecklabs)

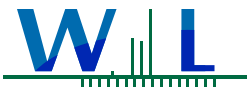
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Volatile Organic Compounds by P&amp;T and GC/MS (Continued)</b>						
<b>Method:</b> EPA 524.2		<b>Instr:</b> GCMS12				
<b>Batch ID:</b> W0J0235	<b>Preparation:</b> EPA 524.2 P&T	<b>Prepared:</b> 10/06/20 07:45		<b>Analyst:</b> ADM		
1,2-Dichlorobenzene-d4	98%	Conc: 9.83	70-130		10/07/20	
4-Bromofluorobenzene	96%	Conc: 9.64	70-130		10/07/20	

Sample: Well 14 FB  
0J01008-06 (Water)

Sampled: 10/05/20 0:00 by Carlos Navarro (wecklabs)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Per- and Polyfluorinated Alkyl Substances (PFAS) by SPE/LCMSMS</b>						
<b>Method:</b> EPA 537.1		<b>Instr:</b> LCMS06				
<b>Batch ID:</b> W0J0691	<b>Preparation:</b> EPA 537/SPE	<b>Prepared:</b> 10/13/20 10:35		<b>Analyst:</b> jna		
11Cl-PF3OUdS	ND	1.8	ng/l	1	10/15/20	
9Cl-PF3ONS	ND	1.8	ng/l	1	10/15/20	
ADONA	ND	1.8	ng/l	1	10/15/20	
EtFOSAA	ND	1.8	ng/l	1	10/15/20	
HFPO-DA	ND	1.8	ng/l	1	10/15/20	
MeFOSAA	ND	1.8	ng/l	1	10/15/20	
PFBS	ND	1.8	ng/l	1	10/15/20	
PFDA	ND	1.8	ng/l	1	10/15/20	
PFDaA	ND	1.8	ng/l	1	10/15/20	
PFHpA	ND	1.8	ng/l	1	10/15/20	
PFHxA	ND	1.8	ng/l	1	10/15/20	
PFHxS	ND	1.8	ng/l	1	10/15/20	
PFNA	ND	1.8	ng/l	1	10/15/20	
PFOA	ND	1.8	ng/l	1	10/15/20	
PFOS	ND	1.8	ng/l	1	10/15/20	
PFTeDA	ND	1.8	ng/l	1	10/15/20	
PFTTrDA	ND	1.8	ng/l	1	10/15/20	
PFUnA	ND	1.8	ng/l	1	10/15/20	
<b>Surrogate(s)</b>						
13C2-PFDA	92%	Conc: 33.2	70-130		10/15/20	
13C2-PFHxA	82%	Conc: 29.5	70-130		10/15/20	
d5-EtFOSAA	78%	Conc: 28.3	70-130		10/15/20	
HFPO-DA-13C3	77%	Conc: 27.8	70-130		10/15/20	



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Lakewood, CA 90712

# Certificate of Analysis

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10/21/2020 15:23

Project Manager: Charlene King

## Sample Results

(Continued)

Sample: Well 15 Pre 1910105-025  
0J01008-07 (Water) Sampled: 10/05/20 11:05 by Carlos Navarro (wecklabs)

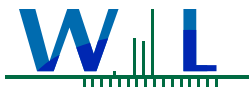
Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Metals by EPA 200 Series Methods</b>						
<b>Method:</b> EPA 200.8		<b>Instr:</b> ICPMS03				
<b>Batch ID:</b> W0J0472	<b>Preparation:</b> EPA 200.2	<b>Prepared:</b> 10/08/20 12:03		<b>Analyst:</b> ALN		
Manganese, Total	39	1.0	ug/l	1	10/13/20	
<b>Method:</b> EPA 200.8		<b>Instr:</b> ICPMS03				
<b>Batch ID:</b> W0J0757	<b>Preparation:</b> _NONE (METALS)	<b>Prepared:</b> 10/13/20 16:43		<b>Analyst:</b> ALN		
Arsenic, Total	7.0	0.40	ug/l	1	10/14/20	

Sample: Well 15 Eff 1910105-027  
0J01008-08 (Water) Sampled: 10/05/20 11:07 by Carlos Navarro (wecklabs)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Metals by EPA 200 Series Methods</b>						
<b>Method:</b> EPA 200.8		<b>Instr:</b> ICPMS03				
<b>Batch ID:</b> W0J0472	<b>Preparation:</b> EPA 200.2	<b>Prepared:</b> 10/08/20 12:03		<b>Analyst:</b> ALN		
Manganese, Total	ND	1.0	ug/l	1	10/13/20	
<b>Method:</b> EPA 200.8		<b>Instr:</b> ICPMS03				
<b>Batch ID:</b> W0J0757	<b>Preparation:</b> _NONE (METALS)	<b>Prepared:</b> 10/13/20 16:43		<b>Analyst:</b> ALN		
Arsenic, Total	6.7	0.40	ug/l	1	10/14/20	

Sample: Travel Blank  
0J01008-09 (Water) Sampled: 10/05/20 0:00 by Carlos Navarro (wecklabs)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Volatile Organic Compounds by P&amp;T and GC/MS</b>						
<b>Method:</b> EPA 524.2		<b>Instr:</b> GCMS12				
<b>Batch ID:</b> W0J0235	<b>Preparation:</b> EPA 524.2 P&T	<b>Prepared:</b> 10/06/20 07:45		<b>Analyst:</b> ADM		
Methylene chloride	ND	0.50	ug/l	1	10/07/20	
<i>Surrogate(s)</i>						
1,2-Dichlorobenzene-d4	98%	Conc: 9.76	70-130		10/07/20	
4-Bromofluorobenzene	96%	Conc: 9.63	70-130		10/07/20	



WECK LABORATORIES, INC.

Water Replenishment District  
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Lakewood, CA 90712

# Certificate of Analysis

FINAL REPORT

Project Number: City of Paramount

Reported:

10/21/2020 15:23

Project Manager: Charlene King

## Quality Control Results

1,4-Dioxane Low Level by isotopic dilution SPME-GC/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Qualifier
<b>Batch: W0J0793 - EPA 8270M</b>										
<b>Blank (W0J0793-BLK1)</b> Prepared & Analyzed: 10/14/20										
1,4-Dioxane	ND	0.50	ug/l							
<b>Blank (W0J0793-BLK2)</b> Prepared: 10/14/20 Analyzed: 10/15/20										
1,4-Dioxane	ND	0.50	ug/l							QC-2
<b>LCS (W0J0793-BS1)</b> Prepared & Analyzed: 10/14/20										
1,4-Dioxane	8.18	0.50	ug/l	10.0		82	70-130			
<b>LCS (W0J0793-BS2)</b> Prepared: 10/14/20 Analyzed: 10/15/20										
1,4-Dioxane	8.17	0.50	ug/l	10.0		82	70-130			QC-2
<b>LCS Dup (W0J0793-BSD2)</b> Prepared: 10/14/20 Analyzed: 10/15/20										
1,4-Dioxane	7.98	0.50	ug/l	10.0		80	70-130	2	30	QC-2
<b>Matrix Spike (W0J0793-MS1)</b> Source: 0I25006-01 Prepared: 10/14/20 Analyzed: 10/15/20										
1,4-Dioxane	8.10	0.50	ug/l	10.0	ND	81	70-130			
<b>Matrix Spike Dup (W0J0793-MSD1)</b> Source: 0I25006-01 Prepared: 10/14/20 Analyzed: 10/15/20										
1,4-Dioxane	8.06	0.50	ug/l	10.0	ND	81	70-130	0.5	30	

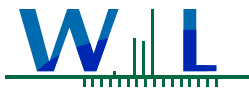
## Quality Control Results

Anions by IC, EPA Method 300.0

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Qualifier
<b>Batch: W0J0362 - EPA 300.0</b>										
<b>Blank (W0J0362-BLK1)</b> Prepared & Analyzed: 10/07/20										
Chloride, Total	ND	0.50	mg/l							
Fluoride, Total	ND	0.10	mg/l							
Sulfate as SO4	ND	0.50	mg/l							
<b>LCS (W0J0362-BS1)</b> Prepared & Analyzed: 10/07/20										
Chloride, Total	18.5	0.50	mg/l	20.0		93	90-110			
Fluoride, Total	1.95	0.10	mg/l	2.00		98	90-110			
Sulfate as SO4	20.6	0.50	mg/l	20.0		103	90-110			
<b>Matrix Spike (W0J0362-MS1)</b> Source: 0I14002-01 Prepared: 10/07/20 Analyzed: 10/08/20										
Chloride, Total	269	5.0	mg/l	200	95.6	87	76-118			
Fluoride, Total	19.4	1.0	mg/l	20.0	0.658	94	86-107			
Sulfate as SO4	419	5.0	mg/l	200	208	106	78-111			
<b>Matrix Spike (W0J0362-MS2)</b> Source: 0I14002-02 Prepared: 10/07/20 Analyzed: 10/08/20										
Chloride, Total	298	5.0	mg/l	200	99.7	99	76-118			
Fluoride, Total	20.5	1.0	mg/l	20.0	0.643	99	86-107			
Sulfate as SO4	454	5.0	mg/l	200	227	113	78-111			MS-05
<b>Matrix Spike Dup (W0J0362-MSD1)</b> Source: 0I14002-01 Prepared: 10/07/20 Analyzed: 10/08/20										
Chloride, Total	270	5.0	mg/l	200	95.6	87	76-118	0.1	20	
Fluoride, Total	19.5	1.0	mg/l	20.0	0.658	94	86-107	0.4	20	
Sulfate as SO4	421	5.0	mg/l	200	208	107	78-111	0.4	20	

0J01008

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WECK LABORATORIES, INC.

Water Replenishment District  
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# Certificate of Analysis

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**Project Number:** City of Paramount

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**Project Manager:** Charlene King

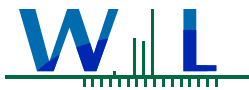


## Quality Control Results

(Continued)

Anions by IC, EPA Method 300.0 (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
<b>Batch: W0J0362 - EPA 300.0 (Continued)</b>										
<b>Matrix Spike Dup (W0J0362-MSD2) Source: 0114002-02 Prepared: 10/07/20 Analyzed: 10/08/20</b>										
Chloride, Total	300	5.0	mg/l	200	99.7	100	76-118	0.4	20	
Fluoride, Total	20.4	1.0	mg/l	20.0	0.643	99	86-107	0.7	20	
Sulfate as SO4	454	5.0	mg/l	200	227	114	78-111	0.2	20	MS-05



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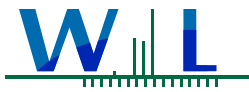
## Quality Control Results

(Continued)

Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
<b>Batch: W0J0165 - SM 2510B</b>										
<b>Blank (W0J0165-BLK1)</b> Prepared: 10/05/20 Analyzed: 10/06/20										
Specific Conductance (EC)	ND	2.0	umhos/cm							
<b>LCS (W0J0165-BS1)</b> Prepared: 10/05/20 Analyzed: 10/06/20										
Specific Conductance (EC)	443	2.0	umhos/cm	445		100	95-105			
<b>Duplicate (W0J0165-DUP1)</b> Source: 0I29046-01 Prepared: 10/05/20 Analyzed: 10/06/20										
Specific Conductance (EC)	864	2.0	umhos/cm		860			0.5	5	
<b>Batch: W0J0175 - EPA 335.4</b>										
<b>Blank (W0J0175-BLK1)</b> Prepared: 10/05/20 Analyzed: 10/06/20										
Cyanide, Total	ND	5.0	ug/l							
<b>LCS (W0J0175-BS1)</b> Prepared: 10/05/20 Analyzed: 10/06/20										
Cyanide, Total	96.0	5.0	ug/l	100		96	90-110			
<b>Matrix Spike (W0J0175-MS1)</b> Source: 0J02063-01 Prepared: 10/05/20 Analyzed: 10/06/20										
Cyanide, Total	193	5.0	ug/l	200	ND	96	90-110			
<b>Matrix Spike Dup (W0J0175-MSD1)</b> Source: 0J02063-01 Prepared: 10/05/20 Analyzed: 10/06/20										
Cyanide, Total	184	5.0	ug/l	200	ND	92	90-110	5	20	
<b>Batch: W0J0209 - EPA 353.2</b>										
<b>Blank (W0J0209-BLK1)</b> Prepared: 10/05/20 Analyzed: 10/06/20										
Nitrate as N	ND	0.20	mg/l							
Nitrite as N	ND	100	ug/l							
<b>LCS (W0J0209-BS1)</b> Prepared: 10/05/20 Analyzed: 10/06/20										
Nitrate as N	1.01	0.20	mg/l	1.00		101	90-110			
Nitrite as N	1020	100	ug/l	1000		102	90-110			
<b>Matrix Spike (W0J0209-MS1)</b> Source: 0I14013-01 Prepared: 10/05/20 Analyzed: 10/06/20										
Nitrate as N	5.03	0.20	mg/l	2.00	2.97	103	90-110			
Nitrite as N	1080	100	ug/l	1000	ND	108	90-110			
<b>Matrix Spike (W0J0209-MS2)</b> Source: 0J01008-03 Prepared: 10/05/20 Analyzed: 10/06/20										
Nitrate as N	2.09	0.20	mg/l	2.00	ND	104	90-110			
Nitrite as N	1050	100	ug/l	1000	ND	105	90-110			
<b>Matrix Spike Dup (W0J0209-MSD1)</b> Source: 0I14013-01 Prepared: 10/05/20 Analyzed: 10/06/20										
Nitrate as N	5.03	0.20	mg/l	2.00	2.97	103	90-110	0	20	
Nitrite as N	1080	100	ug/l	1000	ND	108	90-110	0	20	
<b>Matrix Spike Dup (W0J0209-MSD2)</b> Source: 0J01008-03 Prepared: 10/05/20 Analyzed: 10/06/20										
Nitrate as N	2.07	0.20	mg/l	2.00	ND	104	90-110	1	20	
Nitrite as N	1050	100	ug/l	1000	ND	105	90-110	0	20	
<b>Batch: W0J0210 - EPA 140.1</b>										
<b>Blank (W0J0210-BLK1)</b> Prepared & Analyzed: 10/05/20										
Threshold Odor Number	ND	1.0	T.O.N.							
<b>Duplicate (W0J0210-DUP1)</b> Source: 0J05028-10 Prepared & Analyzed: 10/05/20										





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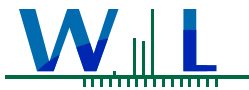
Project Manager: Charlene King

## Quality Control Results

(Continued)

Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
<b>Batch: W0J0210 - EPA 140.1 (Continued)</b>										
<b>Duplicate (W0J0210-DUP1) Source: 0J05028-10 Prepared &amp; Analyzed: 10/05/20</b>										
Threshold Odor Number	1.0	1.0	T.O.N.		1.0			0	20	
<b>Duplicate (W0J0210-DUP2) Source: 0J05028-11 Prepared &amp; Analyzed: 10/05/20</b>										
Threshold Odor Number	1.0	1.0	T.O.N.		1.0			0	20	
<b>Batch: W0J0211 - SM 4500H+-B</b>										
<b>LCS (W0J0211-BS1) Prepared &amp; Analyzed: 10/05/20</b>										
pH	9.04	0.10	Units	9.18		99	98.8-101			
<b>Duplicate (W0J0211-DUP1) Source: 0J01008-01 Prepared &amp; Analyzed: 10/05/20</b>										
pH	7.80	0.10	Units		7.63			2	3.1	
<b>Batch: W0J0219 - EPA 180.1</b>										
<b>Blank (W0J0219-BLK1) Prepared &amp; Analyzed: 10/05/20</b>										
Turbidity	ND	0.10	NTU							
<b>LCS (W0J0219-BS1) Prepared &amp; Analyzed: 10/05/20</b>										
Turbidity	10.1	0.10	NTU	10.0		101	90-110			
<b>LCS (W0J0219-BS2) Prepared &amp; Analyzed: 10/05/20</b>										
Turbidity	3.97	0.10	NTU	4.00		99	90-110			
<b>Duplicate (W0J0219-DUP1) Source: 0J05053-01 Prepared &amp; Analyzed: 10/05/20</b>										
Turbidity	6.70	0.10	NTU		6.70			0	10	
<b>Batch: W0J0264 - SM 2120B</b>										
<b>LCS (W0J0264-BS1) Prepared &amp; Analyzed: 10/06/20</b>										
Color	10.0	3.0	Color Units	10.0		100	95-105			
<b>Duplicate (W0J0264-DUP1) Source: 0J05077-09 Prepared &amp; Analyzed: 10/06/20</b>										
Color	ND	3.0	Color Units		ND				10	
<b>Duplicate (W0J0264-DUP2) Source: 0J05077-10 Prepared &amp; Analyzed: 10/06/20</b>										
Color	ND	3.0	Color Units		ND				10	
<b>Batch: W0J0283 - SM 5540C</b>										
<b>Blank (W0J0283-BLK1) Prepared &amp; Analyzed: 10/06/20</b>										
MBAS	ND	0.050	mg/l							
<b>LCS (W0J0283-BS1) Prepared &amp; Analyzed: 10/06/20</b>										
MBAS	0.228	0.050	mg/l	0.200		114	82-115			
<b>Matrix Spike (W0J0283-MS1) Source: 0J05057-01 Prepared &amp; Analyzed: 10/06/20</b>										
MBAS	0.204	0.050	mg/l	0.200	ND	102	74-123			
<b>Matrix Spike Dup (W0J0283-MSD1) Source: 0J05057-01 Prepared &amp; Analyzed: 10/06/20</b>										
MBAS	0.223	0.050	mg/l	0.200	ND	111	74-123	9	20	
<b>Batch: W0J0365 - SM 2320B</b>										
<b>Blank (W0J0365-BLK1) Prepared &amp; Analyzed: 10/07/20</b>										
Alkalinity as CaCO3	ND	5.0	mg/l							
Bicarbonate Alkalinity as HCO3	ND	6.1	mg/l							



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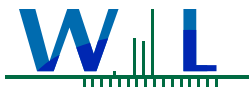
Project Manager: Charlene King

## Quality Control Results

(Continued)

Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
<b>Batch: W0J0365 - SM 2320B (Continued)</b>										
<b>Blank (W0J0365-BLK1)</b>										
<b>Prepared &amp; Analyzed: 10/07/20</b>										
Carbonate Alkalinity as CaCO3	ND	5.0	mg/l							
Hydroxide Alkalinity as CaCO3	ND	5.0	mg/l							
<b>LCS (W0J0365-BS1)</b>										
<b>Prepared &amp; Analyzed: 10/07/20</b>										
Alkalinity as CaCO3	251	5.0	mg/l	250		100	94-108			
<b>Duplicate (W0J0365-DUP1)</b>										
<b>Source: 0128002-01</b>										
<b>Prepared &amp; Analyzed: 10/07/20</b>										
Alkalinity as CaCO3	138	5.0	mg/l		139			0.9	15	
Bicarbonate Alkalinity as HCO3	168	6.1	mg/l		170			0.9	15	
Carbonate Alkalinity as CaCO3	ND	5.0	mg/l		ND				15	
Hydroxide Alkalinity as CaCO3	ND	5.0	mg/l		ND				15	
<b>Batch: W0J0548 - SM 2540C</b>										
<b>Blank (W0J0548-BLK1)</b>										
<b>Prepared &amp; Analyzed: 10/09/20</b>										
Total Dissolved Solids	ND	10	mg/l							
<b>LCS (W0J0548-BS1)</b>										
<b>Prepared &amp; Analyzed: 10/09/20</b>										
Total Dissolved Solids	838	10	mg/l	824		102	96-102			
<b>Duplicate (W0J0548-DUP1)</b>										
<b>Source: 0J05083-01</b>										
<b>Prepared &amp; Analyzed: 10/09/20</b>										
Total Dissolved Solids	1390	10	mg/l		1430			3	10	
<b>Duplicate (W0J0548-DUP2)</b>										
<b>Source: 0J06086-04</b>										
<b>Prepared &amp; Analyzed: 10/09/20</b>										
Total Dissolved Solids	1620	10	mg/l		1580			3	10	



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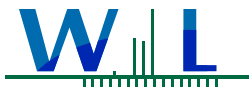
Project Manager: Charlene King

## Quality Control Results

(Continued)

### Metals by EPA 200 Series Methods

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
<b>Batch: W0J0472 - EPA 200.8</b>										
<b>Blank (W0J0472-BLK1)</b>				<b>Prepared: 10/08/20 Analyzed: 10/13/20</b>						
Manganese, Total	ND	1.0	ug/l							
<b>LCS (W0J0472-BS1)</b>				<b>Prepared: 10/08/20 Analyzed: 10/13/20</b>						
Manganese, Total	48.9	1.0	ug/l	50.0		98	85-115			
<b>Matrix Spike (W0J0472-MS1)</b>				<b>Prepared: 10/08/20 Analyzed: 10/13/20</b>						
Manganese, Total	385	1.0	ug/l	50.0	344	82	70-130			
<b>Matrix Spike (W0J0472-MS2)</b>				<b>Prepared: 10/08/20 Analyzed: 10/13/20</b>						
Manganese, Total	56.9	1.0	ug/l	50.0	12.3	89	70-130			
<b>Matrix Spike Dup (W0J0472-MSD1)</b>				<b>Prepared: 10/08/20 Analyzed: 10/13/20</b>						
Manganese, Total	386	1.0	ug/l	50.0	344	83	70-130	0.2	30	
<b>Matrix Spike Dup (W0J0472-MSD2)</b>				<b>Prepared: 10/08/20 Analyzed: 10/13/20</b>						
Manganese, Total	59.2	1.0	ug/l	50.0	12.3	94	70-130	4	30	
<b>Batch: W0J0571 - EPA 200.7</b>										
<b>Blank (W0J0571-BLK1)</b>				<b>Prepared &amp; Analyzed: 10/10/20</b>						
Calcium, Total	ND	0.10	mg/l							
Copper, Total	ND	10	ug/l							
Iron, Total	ND	10	ug/l							
Magnesium, Total	ND	0.10	mg/l							
Manganese, Total	ND	5.0	ug/l							
Potassium, Total	ND	0.10	mg/l							
Sodium, Total	ND	0.50	mg/l							
Zinc, Total	ND	50	ug/l							
<b>LCS (W0J0571-BS1)</b>				<b>Prepared &amp; Analyzed: 10/10/20</b>						
Calcium, Total	50.1	0.10	mg/l	50.2		100	85-115			
Copper, Total	199	10	ug/l	200		99	85-115			
Iron, Total	199	10	ug/l	200		100	85-115			
Magnesium, Total	48.0	0.10	mg/l	50.2		96	85-115			
Manganese, Total	199	5.0	ug/l	200		99	85-115			
Potassium, Total	51.4	0.10	mg/l	50.2		102	85-115			
Sodium, Total	49.4	0.50	mg/l	50.2		99	85-115			
Zinc, Total	200	50	ug/l	200		100	85-115			
<b>Matrix Spike (W0J0571-MS1)</b>				<b>Prepared &amp; Analyzed: 10/10/20</b>						
Calcium, Total	93.6	0.10	mg/l	50.2	44.8	97	70-130			
Copper, Total	199	10	ug/l	200	1.56	99	70-130			
Iron, Total	200	10	ug/l	200	ND	100	70-130			
Magnesium, Total	56.9	0.10	mg/l	50.2	9.06	95	70-130			
Manganese, Total	198	5.0	ug/l	200	ND	99	70-130			
Potassium, Total	54.7	0.10	mg/l	50.2	1.74	105	70-130			
Sodium, Total	74.1	0.50	mg/l	50.2	24.1	100	70-130			



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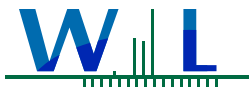
Project Manager: Charlene King

## Quality Control Results

(Continued)

### Metals by EPA 200 Series Methods (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
<b>Batch: W0J0571 - EPA 200.7 (Continued)</b>										
<b>Matrix Spike (W0J0571-MS1)</b>				<b>Source: OJ01063-01</b>			<b>Prepared &amp; Analyzed: 10/10/20</b>			
Zinc, Total	202	50	ug/l	200	1.85	100	70-130			
<b>Matrix Spike Dup (W0J0571-MSD1)</b>				<b>Source: OJ01063-01</b>			<b>Prepared &amp; Analyzed: 10/10/20</b>			
Calcium, Total	93.6	0.10	mg/l	50.2	44.8	97	70-130	0.005	30	
Copper, Total	200	10	ug/l	200	1.56	99	70-130	0.6	30	
Iron, Total	202	10	ug/l	200	ND	101	70-130	1	30	
Magnesium, Total	56.8	0.10	mg/l	50.2	9.06	95	70-130	0.08	30	
Manganese, Total	198	5.0	ug/l	200	ND	99	70-130	0.005	30	
Potassium, Total	54.6	0.10	mg/l	50.2	1.74	105	70-130	0.1	30	
Sodium, Total	74.7	0.50	mg/l	50.2	24.1	101	70-130	0.8	30	
Zinc, Total	203	50	ug/l	200	1.85	100	70-130	0.4	30	
<b>Batch: W0J0578 - EPA 245.1</b>										
<b>Blank (W0J0578-BLK1)</b>				<b>Prepared: 10/12/20 Analyzed: 10/13/20</b>						
Mercury, Total	ND	0.050	ug/l							
<b>LCS (W0J0578-BS1)</b>				<b>Prepared: 10/12/20 Analyzed: 10/13/20</b>						
Mercury, Total	1.03	0.050	ug/l	1.00		103	85-115			
<b>Matrix Spike (W0J0578-MS1)</b>				<b>Source: OJ01008-01</b>			<b>Prepared: 10/12/20 Analyzed: 10/13/20</b>			
Mercury, Total	1.03	0.050	ug/l	1.00	ND	103	70-130			
<b>Matrix Spike Dup (W0J0578-MSD1)</b>				<b>Source: OJ01008-01</b>			<b>Prepared: 10/12/20 Analyzed: 10/13/20</b>			
Mercury, Total	1.02	0.050	ug/l	1.00	ND	102	70-130	1	20	
<b>Batch: W0J0591 - EPA 200.8</b>										
<b>Blank (W0J0591-BLK1)</b>				<b>Prepared: 10/11/20 Analyzed: 10/15/20</b>						
Aluminum, Total	ND	20	ug/l							
Antimony, Total	ND	0.50	ug/l							
Arsenic, Total	ND	0.40	ug/l							
Barium, Total	ND	1.0	ug/l							
Beryllium, Total	ND	0.10	ug/l							
Cadmium, Total	ND	0.20	ug/l							
Chromium, Total	ND	0.20	ug/l							
Lead, Total	ND	0.20	ug/l							
Nickel, Total	ND	2.0	ug/l							
Selenium, Total	ND	0.40	ug/l							
Silver, Total	ND	0.20	ug/l							
Thallium, Total	ND	0.20	ug/l							
<b>LCS (W0J0591-BS1)</b>				<b>Prepared: 10/11/20 Analyzed: 10/15/20</b>						
Aluminum, Total	50.1	20	ug/l	50.0		100	85-115			
Antimony, Total	55.4	0.50	ug/l	50.0		111	85-115			
Arsenic, Total	49.8	0.40	ug/l	50.0		100	85-115			
Barium, Total	50.0	1.0	ug/l	50.0		100	85-115			



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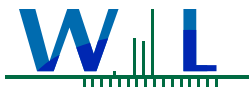
### Metals by EPA 200 Series Methods (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Qualifier
<b>Batch: W0J0591 - EPA 200.8 (Continued)</b>									
<b>LCS (W0J0591-BS1)</b>				<b>Prepared: 10/11/20 Analyzed: 10/15/20</b>					
Beryllium, Total	50.2	0.10	ug/l	50.0	100	85-115			
Cadmium, Total	50.2	0.20	ug/l	50.0	100	85-115			
Chromium, Total	50.2	0.20	ug/l	50.0	100	85-115			
Lead, Total	50.8	0.20	ug/l	50.0	102	85-115			
Nickel, Total	50.4	2.0	ug/l	50.0	101	85-115			
Selenium, Total	49.4	0.40	ug/l	50.0	99	85-115			
Silver, Total	50.6	0.20	ug/l	50.0	101	85-115			
Thallium, Total	50.0	0.20	ug/l	50.0	100	85-115			
<b>Matrix Spike (W0J0591-MS1)</b>				<b>Source: 0J05076-01 Prepared: 10/11/20 Analyzed: 10/15/20</b>					
Aluminum, Total	52.7	20	ug/l	50.0	ND	105	70-130		
Antimony, Total	55.6	0.50	ug/l	50.0	ND	111	70-130		
Arsenic, Total	52.1	0.40	ug/l	50.0	1.84	100	70-130		
Barium, Total	59.6	1.0	ug/l	50.0	9.69	100	70-130		
Beryllium, Total	48.5	0.10	ug/l	50.0	ND	97	70-130		
Cadmium, Total	48.7	0.20	ug/l	50.0	ND	97	70-130		
Chromium, Total	52.8	0.20	ug/l	50.0	0.570	104	70-130		
Lead, Total	49.2	0.20	ug/l	50.0	ND	98	70-130		
Nickel, Total	51.0	2.0	ug/l	50.0	0.747	101	70-130		
Selenium, Total	47.9	0.40	ug/l	50.0	0.284	95	70-130		
Silver, Total	48.6	0.20	ug/l	50.0	0.0402	97	70-130		
Thallium, Total	49.0	0.20	ug/l	50.0	ND	98	70-130		
<b>Matrix Spike Dup (W0J0591-MSD1)</b>				<b>Source: 0J05076-01 Prepared: 10/11/20 Analyzed: 10/15/20</b>					
Aluminum, Total	52.7	20	ug/l	50.0	ND	105	70-130	0.03	30
Antimony, Total	55.9	0.50	ug/l	50.0	ND	112	70-130	0.5	30
Arsenic, Total	51.6	0.40	ug/l	50.0	1.84	100	70-130	0.8	30
Barium, Total	58.9	1.0	ug/l	50.0	9.69	98	70-130	1	30
Beryllium, Total	49.5	0.10	ug/l	50.0	ND	99	70-130	2	30
Cadmium, Total	48.4	0.20	ug/l	50.0	ND	97	70-130	0.6	30
Chromium, Total	51.9	0.20	ug/l	50.0	0.570	103	70-130	2	30
Lead, Total	49.1	0.20	ug/l	50.0	ND	98	70-130	0.4	30
Nickel, Total	50.5	2.0	ug/l	50.0	0.747	99	70-130	1	30
Selenium, Total	47.3	0.40	ug/l	50.0	0.284	94	70-130	1	30
Silver, Total	48.9	0.20	ug/l	50.0	0.0402	98	70-130	0.6	30
Thallium, Total	48.8	0.20	ug/l	50.0	ND	98	70-130	0.4	30

### Batch: W0J0757 - EPA 200.8

<b>Blank (W0J0757-BLK1)</b>				<b>Prepared: 10/13/20 Analyzed: 10/14/20</b>					
Arsenic, Total	ND	0.40	ug/l						

<b>LCS (W0J0757-BS1)</b>				<b>Prepared: 10/13/20 Analyzed: 10/14/20</b>					
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WECK LABORATORIES, INC.

Water Replenishment District  
4040 Paramount Blvd.  
Lakewood, CA 90712

# Certificate of Analysis

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**Project Number:** City of Paramount

**Reported:**

10/21/2020 15:23

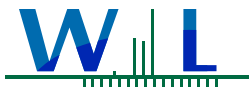
**Project Manager:** Charlene King

## Quality Control Results

(Continued)

### Metals by EPA 200 Series Methods (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
<b>Batch: W0J0757 - EPA 200.8 (Continued)</b>										
<b>LCS (W0J0757-BS1)</b>										
<b>Prepared: 10/13/20 Analyzed: 10/14/20</b>										
Arsenic, Total	48.6	0.40	ug/l	50.0		97	85-115			
<b>Matrix Spike (W0J0757-MS1)</b>										
<b>Source: 0J05080-01 Prepared: 10/13/20 Analyzed: 10/14/20</b>										
Arsenic, Total	54.3	0.40	ug/l	50.0	3.69	101	70-130			
<b>Matrix Spike Dup (W0J0757-MSD1)</b>										
<b>Source: 0J05080-01 Prepared: 10/13/20 Analyzed: 10/14/20</b>										
Arsenic, Total	54.0	0.40	ug/l	50.0	3.69	101	70-130	0.5	30	



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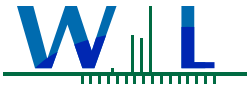
Project Manager: Charlene King

## Quality Control Results

(Continued)

Per- and Polyfluorinated Alkyl Substances (PFAS) by SPE/LCMSMS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
<b>Batch: W0J0691 - EPA 537.1</b>										
<b>Blank (W0J0691-BLK1)</b>										
Prepared: 10/13/20 Analyzed: 10/14/20										
11CI-PF3OUdS	ND	2.0	ng/l							
9CI-PF3ONS	ND	2.0	ng/l							
ADONA	ND	2.0	ng/l							
EtFOSAA	ND	2.0	ng/l							
HFPO-DA	ND	2.0	ng/l							
MeFOSAA	ND	2.0	ng/l							
PFBS	ND	2.0	ng/l							
PFDA	ND	2.0	ng/l							
PFDoA	ND	2.0	ng/l							
PFHpA	ND	2.0	ng/l							
PFHxA	ND	2.0	ng/l							
PFHxS	ND	2.0	ng/l							
PFNA	ND	2.0	ng/l							
PFOA	ND	2.0	ng/l							
PFOS	ND	2.0	ng/l							
PFTeDA	ND	2.0	ng/l							
PFTTrDA	ND	2.0	ng/l							
PFUnA	ND	2.0	ng/l							
<i>Surrogate(s)</i>										
13C2-PFDA	30.3		ng/l	40.0		76	70-130			
13C2-PFHxA	34.9		ng/l	40.0		87	70-130			
d5-EtFOSAA	25.3		ng/l	40.0		63	70-130			S-11
HFPO-DA-13C3	32.9		ng/l	40.0		82	70-130			
<b>LCS (W0J0691-BS1)</b>										
Prepared: 10/13/20 Analyzed: 10/14/20										
11CI-PF3OUdS	3.78	2.0	ng/l	5.00		76	70-130			
9CI-PF3ONS	4.40	2.0	ng/l	5.00		88	70-130			
ADONA	4.70	2.0	ng/l	5.00		94	70-130			
EtFOSAA	3.54	2.0	ng/l	5.00		71	70-130			
HFPO-DA	4.68	2.0	ng/l	5.00		94	70-130			
MeFOSAA	4.17	2.0	ng/l	5.00		83	70-130			
PFBS	5.23	2.0	ng/l	5.00		105	70-130			
PFDA	4.25	2.0	ng/l	5.00		85	70-130			
PFDoA	4.12	2.0	ng/l	5.00		82	70-130			
PFHpA	4.97	2.0	ng/l	5.00		99	70-130			
PFHxA	5.23	2.0	ng/l	5.00		105	70-130			
PFHxS	5.14	2.0	ng/l	5.00		103	70-130			
PFNA	4.81	2.0	ng/l	5.00		96	70-130			
PFOA	4.77	2.0	ng/l	5.00		95	70-130			
PFOS	4.38	2.0	ng/l	5.00		88	70-130			



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Project Manager: Charlene King

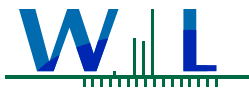
## Quality Control Results

(Continued)

Per- and Polyfluorinated Alkyl Substances (PFAS) by SPE/LCMSMS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
<b>Batch: W0J0691 - EPA 537.1 (Continued)</b>										
<b>LCS (W0J0691-BS1)</b>										
Prepared: 10/13/20 Analyzed: 10/14/20										
PFTeDA	4.17	2.0	ng/l	5.00		83	70-130			
PFTTrDA	3.98	2.0	ng/l	5.00		80	70-130			
PFUnA	3.99	2.0	ng/l	5.00		80	70-130			
<i>Surrogate(s)</i>										
13C2-PFDA	29.6		ng/l	40.0		74	70-130			
13C2-PFHxA	36.9		ng/l	40.0		92	70-130			
d5-EtFOSAA	24.4		ng/l	40.0		61	70-130			S-11
HFPO-DA-13C3	35.1		ng/l	40.0		88	70-130			
<b>LCS Dup (W0J0691-BS1)</b>										
Prepared: 10/13/20 Analyzed: 10/14/20										
11CI-PF3OUdS	3.51	2.0	ng/l	5.00		70	70-130	7	30	
9CI-PF3ONS	4.85	2.0	ng/l	5.00		97	70-130	10	30	
ADONA	4.20	2.0	ng/l	5.00		84	70-130	11	30	
EtFOSAA	4.06	2.0	ng/l	5.00		81	70-130	14	30	
HFPO-DA	4.16	2.0	ng/l	5.00		83	70-130	12	30	
MeFOSAA	4.19	2.0	ng/l	5.00		84	70-130	0.3	30	
PFBS	4.71	2.0	ng/l	5.00		94	70-130	11	30	
PFDA	4.80	2.0	ng/l	5.00		96	70-130	12	30	
PFDoA	3.94	2.0	ng/l	5.00		79	70-130	4	30	
PFHpA	4.58	2.0	ng/l	5.00		92	70-130	8	30	
PFHxA	4.69	2.0	ng/l	5.00		94	70-130	11	30	
PFHxS	4.63	2.0	ng/l	5.00		93	70-130	10	30	
PFNA	4.97	2.0	ng/l	5.00		99	70-130	3	30	
PFOA	4.70	2.0	ng/l	5.00		94	70-130	1	30	
PFOS	4.71	2.0	ng/l	5.00		94	70-130	7	30	
PFTeDA	3.91	2.0	ng/l	5.00		78	70-130	6	30	
PFTTrDA	3.82	2.0	ng/l	5.00		76	70-130	4	30	
PFUnA	4.27	2.0	ng/l	5.00		85	70-130	7	30	
<i>Surrogate(s)</i>										
13C2-PFDA	31.5		ng/l	40.0		79	70-130			
13C2-PFHxA	33.6		ng/l	40.0		84	70-130			
d5-EtFOSAA	24.7		ng/l	40.0		62	70-130			S-11
HFPO-DA-13C3	31.7		ng/l	40.0		79	70-130			





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Project Manager: Charlene King

## Quality Control Results

(Continued)

Perchlorate by EPA 314.0

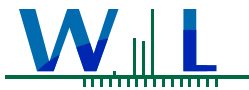
Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
<b>Batch: W0J0151 - EPA 314.0</b>										
<b>Blank (W0J0151-BLK1)</b>				<b>Prepared: 10/05/20 Analyzed: 10/06/20</b>						
Perchlorate	ND	2.0	ug/l							
<b>LCS (W0J0151-BS1)</b>				<b>Prepared: 10/05/20 Analyzed: 10/06/20</b>						
Perchlorate	8.91	2.0	ug/l	10.0		89	85-115			
<b>Matrix Spike (W0J0151-MS1)</b>				<b>Source: 0I21006-01</b>		<b>Prepared: 10/05/20 Analyzed: 10/06/20</b>				
Perchlorate	20.8	2.0	ug/l	10.0	10.0	108	80-120			
<b>Matrix Spike Dup (W0J0151-MSD1)</b>				<b>Source: 0I21006-01</b>		<b>Prepared: 10/05/20 Analyzed: 10/06/20</b>				
Perchlorate	20.3	2.0	ug/l	10.0	10.0	103	80-120	2	15	

## Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
<b>Batch: W0J0235 - EPA 524.2</b>										
<b>Blank (W0J0235-BLK1)</b>				<b>Prepared &amp; Analyzed: 10/06/20</b>						
Methylene chloride	ND	0.50	ug/l				70-130			
<i>Surrogate(s)</i>										
1,2-Dichlorobenzene-d4	9.74		ug/l	10.0		97	70-130			
4-Bromofluorobenzene	9.81		ug/l	10.0		98	70-130			
<b>LCS (W0J0235-BS1)</b>				<b>Prepared &amp; Analyzed: 10/06/20</b>						
Methylene chloride	4.79	0.50	ug/l	5.00		96	70-130			
<i>Surrogate(s)</i>										
1,2-Dichlorobenzene-d4	10.1		ug/l	10.0		101	70-130			
4-Bromofluorobenzene	9.87		ug/l	10.0		99	70-130			
<b>LCS Dup (W0J0235-BSD1)</b>				<b>Prepared &amp; Analyzed: 10/06/20</b>						
Methylene chloride	4.83	0.50	ug/l	5.00		97	70-130	0.7	30	
<i>Surrogate(s)</i>										
1,2-Dichlorobenzene-d4	9.94		ug/l	10.0		99	70-130			
4-Bromofluorobenzene	9.87		ug/l	10.0		99	70-130			



WECK LABORATORIES, INC.

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Lakewood, CA 90712

# Certificate of Analysis

FINAL REPORT

**Project Number:** City of Paramount

**Reported:**

10/21/2020 15:23

**Project Manager:** Charlene King



## Notes and Definitions

Item	Definition
*	The recommended holding time for this analysis is only 15 minutes. The sample was analyzed as soon as it was possible but it was received and analyzed past holding time.
MS-05	The spike recovery and/or RPD were outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
S-11	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
%REC	Percent Recovery
Dil	Dilution
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	A result of ND for odor corresponds to No Odor Observed
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

Date of Report: 20/10/21Sample ID No.: 0J01008-01Laboratory Name: Weck Laboratories, Inc.Signature Lab Director: Name of Sampler: Carlos Navarro (wecklabs)Date/Time Sample Collected: 20/10/05 1037Date/Time Sample Received @ Lab: 20/10/05 1502Date Analyses Completed: 20/10/19System Name: PARAMOUNT - CITY, WATER DEPT.System Number: 1910105Name or Number of Sample Source: WELL 13User ID: 4THStation Number: 1910105-015Date/Time of Sample: | 20 | 10 | 05 | 10 | 37  
YY MM DD TT TTLaboratory Code: 9588Date of Analyses Completed: | 20 | 10 | 19 |  
YY MM DDSubmitted By: Weck Laboratories, Inc.Phone #: (626) 336-2139

TEST METHOD	CHEMICAL	Units	ENTRY #	ANALYSES RESULTS	MCL	DLR
E524.2	<b>REGULATED ORGANIC CHEMICALS</b> Dichloromethane (Methylene Chloride)	ug/L	34423	<0.5	5	0.5
E537	<b>UNREGULATED ORGANIC CHEMICALS</b> Perfluorobutanesulfonic Acid (PFBS)	ng/L	C2801	<1.8		
E537	Perfluoroheptanoic Acid (PFHpA)	ng/L	C2802	<1.8		
E537	Perfluorohexane Sulfonic Acid (PFHxS)	ng/L	C2803	<1.8		
E537	Perfluorononanoic Acid (PFNA)	ng/L	C2804	<1.8		
E537	Perfluorooctane Sulfonic Acid (PFOS)	ng/L	C2805	<1.8		
E537	Perfluorooctanoic Acid (PFOA)	ng/L	C2806	<1.8		
E537	N-Ethyl Perfluorooctanesulfon (NEtFOSAA)	ng/L	C2807	<1.8		
E537	N-Methyl Perfluorooctanesulf (NMeFOSAA)	ng/L	C2808	<1.8		
E537	Perfluorodecanoic Acid (PFDA)	ng/L	C2809	<1.8		
E537	Perfluorododecanoic Acid (PFDoA)	ng/L	C2810	<1.8		
E537	Perfluorohexanoic Acid (PFHxA)	ng/L	C2811	<1.8		
E537	Perfluorotetradecanoic Acid (PFTA)	ng/L	C2812	<1.8		
E537	Perfluorotridecanoic Acid (PFTrDA)	ng/L	C2813	<1.8		
E537	Perfluoroundecanoic Acid (PFUnA)	ng/L	C2814	<1.8		
E537	Hexafluoropropylene Oxide Dime (HFPO-DA)	ng/L	C2815	<1.8		
E537	9-Chlorohexadecafluoro-3-Ox (9Cl-PF3ONS)	ng/L	C2816	<1.8		
E537	11-Chloroeicosafuoro-3-O (11Cl-PF3OUdS)	ng/L	C2817	<1.8		
E537	4,8-Dioxa-3H-Perfluorononanoic (ADONA)	ng/L	C2818	<1.8		
E200.7	<b>GEN MIN, PHYSICAL, &amp; INORGANIC</b> Total Hardness (as CaCO3) (mg/L)	mg/L	00900	170		
E200.7	Calcium (Ca) (mg/L)	mg/L	00916	58		
E200.7	Magnesium (Mg) (mg/L)	mg/L	00927	6.1		
E200.7	Sodium (NA) (mg/L)	mg/L	00929	27		



TEST METHOD	CHEMICAL	Units	ENTRY #	ANALYSES RESULTS	MCL	DLR
E200.7	<b>GEN MIN, PHYSICAL, &amp; INORGANIC</b> Potassium (K) (mg/L)	mg/L	00937	2.9		
S2320B	<b>Total Cations &amp; Total Anions Meq/L Value</b> Total Alkalinity (AS CaCO3) (mg/L)	mg/L	00410	200		
S2320B	Hydroxide (OH) (mg/L)	mg/L	71830	<5		
S2320B	Carbonate (CO3) (mg/L)	mg/L	00445	<5		
S2320B	Bicarbonate (HCO3) (mg/L)	mg/L	00440	240		
E300.0	Sulfate (SO4) (mg/L)	mg/L	00945	29	500	0.5
E300.0	Chloride (Cl) (mg/L)	mg/L	00940	14	500	
E353.2	Nitrate (as N) (mg/L)	mg/L	00618	<0.4	10	0.4
E300.0	Fluoride (F) (Natural-Source)	mg/L	00951	0.27	2	0.1
S4500H	PH (Laboratory) (Std.Units)	Std.Units	00403	7.63		
S2510B	Specific Conductance (E.C.) (umhos/cm)	umho/cm	00095	440	1600	
S2540C	Total Filterable Residue@180C(TDS)(mg/L)	mg/L	70300	280	1000	
	Apparent Color (Unfiltered) (Units)	Units	00081	<3	15	
	Odor Threshold at 60 C (TON)	TON	00086	<1	3	1
E180.1	Lab Turbidity (NTU)	NTU	82079	<0.1	5	0.1
S5540C	MBAS (mg/L)	mg/L	38260	<0.05	0.5	
	<b>INORGANIC CHEMICALS</b>					
E200.8	Aluminum (Al) (ug/L)	ug/L	01105	<50	1000	50
E200.8	Antimony (ug/L)	ug/L	01097	<6	6	6
E200.8	Arsenic (As) (ug/L)	ug/L	01002	17	10	2
E200.8	Barium (Ba) (ug/L)	ug/L	01007	160	1000	100
E200.8	Beryllium (ug/L)	ug/L	01012	<1	4	1
E200.8	Cadmium (Cd) (ug/L)	ug/L	01027	<1	5	1
E200.8	Chromium (Total Cr) (ug/L)	ug/L	01034	<10	50	10
E200.7	Copper (Cu) (ug/L)	ug/L	01042	<50	1000	50
E200.7	Iron (Fe) (ug/L)	ug/L	01045	<100	300	100
E200.8	Lead (Pb) (ug/L)	ug/L	01051	<5		5
E200.7	Manganese (Mn) (ug/L)	ug/L	01055	83	50	20
E245.1	Mercury (Hg) (ug/L)	ug/L	71900	<1	2	1
E200.8	Nickel (ug/L)	ug/L	01067	<10	100	10
E200.8	Selenium (Se) (ug/L)	ug/L	01147	<5	50	5
E200.8	Silver (Ag) (ug/L)	ug/L	01077	<10	100	10
E200.8	Thallium (ug/L)	ug/L	01059	<1	2	1
E200.7	Zinc (Zn) (ug/L)	ug/L	01092	<50	5000	50
	<b>ADDITIONAL ANALYSES</b>					
	Aggressiveness Index	NA	82383	12.1		
E353.2	Nitrite as Nitrogen(N) (mg/L)	mg/L	00620	<0.4	1	0.4
E335.4	Cyanide (ug/L)	ug/L	01291	<100	150	100
E314.0	Perchlorate (ug/L)	ug/L	A-031	<4	6	4

Laboratory Comments and Description of Additional Components Found (Comments in this section are for Client Information only and will **NOT** be transmitted to CDPH via EDT):

Well 13 Pre 1910105-015 :

Date of Report: 20/10/21Sample ID No.: 0J01008-03Laboratory Name: Weck Laboratories, Inc.

Signature Lab Director:

Name of Sampler: Carlos Navarro (wecklabs)Date/Time Sample Collected: 20/10/05 1056Date/Time Sample Received @ Lab: 20/10/05 1502Date Analyses Completed: 20/10/19System Name: PARAMOUNT - CITY, WATER DEPT.System Number: 1910105Name or Number of Sample Source: WELL 13 TREATMENT PLANT EFFLUENT

User ID: <u>4TH</u>	Station Number: <u>1910105-024</u>
Date/Time of Sample: <u>  20   10   05   10   56</u> YY MM DD TT TT	Laboratory Code: <u>9588</u>
	Date of Analyses Completed: <u>  20   10   19  </u> YY MM DD
Submitted By: <u>Weck Laboratories, Inc.</u>	Phone #: <u>(626) 336-2139</u>

TEST METHOD	CHEMICAL	Units	ENTRY #	ANALYSES RESULTS	MCL	DLR
E524.2	<b>REGULATED ORGANIC CHEMICALS</b> Dichloromethane (Methylene Chloride)	ug/L	34423	<0.5	5	0.5
E537	<b>UNREGULATED ORGANIC CHEMICALS</b> Perfluorobutanesulfonic Acid (PFBS)	ng/L	C2801	<1.8		
E537	Perfluoroheptanoic Acid (PFHpA)	ng/L	C2802	<1.8		
E537	Perfluorohexane Sulfonic Acid (PFHxS)	ng/L	C2803	<1.8		
E537	Perfluorononanoic Acid (PFNA)	ng/L	C2804	<1.8		
E537	Perfluorooctane Sulfonic Acid (PFOS)	ng/L	C2805	<1.8		
E537	Perfluorooctanoic Acid (PFOA)	ng/L	C2806	<1.8		
E537	N-Ethyl Perfluorooctanesulfon (NEtFOSAA)	ng/L	C2807	<1.8		
E537	N-Methyl Perfluorooctanesulf (NMeFOSAA)	ng/L	C2808	<1.8		
E537	Perfluorodecanoic Acid (PFDA)	ng/L	C2809	<1.8		
E537	Perfluorododecanoic Acid (PFDoA)	ng/L	C2810	<1.8		
E537	Perfluorohexanoic Acid (PFHxA)	ng/L	C2811	<1.8		
E537	Perfluorotetradecanoic Acid (PFTA)	ng/L	C2812	<1.8		
E537	Perfluorotridecanoic Acid (PFTrDA)	ng/L	C2813	<1.8		
E537	Perfluoroundecanoic Acid (PFUnA)	ng/L	C2814	<1.8		
E537	Hexafluoropropylene Oxide Dime (HFPO-DA)	ng/L	C2815	<1.8		
E537	9-Chlorohexadecafluoro-3-Ox (9Cl-PF3ONS)	ng/L	C2816	<1.8		
E537	11-Chloroeicosafuoro-3-O (11Cl-PF3OUdS)	ng/L	C2817	<1.8		
E537	4,8-Dioxa-3H-Perfluorononanoic (ADONA)	ng/L	C2818	<1.8		
E200.7	<b>GEN MIN, PHYSICAL, &amp; INORGANIC</b> Total Hardness (as CaCO3) (mg/L)	mg/L	00900	170		
E200.7	Calcium (Ca) (mg/L)	mg/L	00916	57		
E200.7	Magnesium (Mg) (mg/L)	mg/L	00927	6.1		
E200.7	Sodium (NA) (mg/L)	mg/L	00929	30		



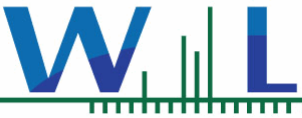
TEST METHOD	CHEMICAL	Units	ENTRY #	ANALYSES RESULTS	MCL	DLR
E200.7	<b>GEN MIN, PHYSICAL, &amp; INORGANIC</b> Potassium (K) (mg/L)	mg/L	00937	2.8		
S2320B	<b>Total Cations &amp; Total Anions Meq/L Value</b> Total Alkalinity (AS CaCO3) (mg/L)	mg/L	00410	190		
S2320B	Hydroxide (OH) (mg/L)	mg/L	71830	<5		
S2320B	Carbonate (CO3) (mg/L)	mg/L	00445	<5		
S2320B	Bicarbonate (HCO3) (mg/L)	mg/L	00440	230		
E300.0	Sulfate (SO4) (mg/L)	mg/L	00945	35	500	0.5
E300.0	Chloride (Cl) (mg/L)	mg/L	00940	23	500	
E353.2	Nitrate (as N) (mg/L)	mg/L	00618	<0.4	10	0.4
E300.0	Fluoride (F) (Natural-Source)	mg/L	00951	0.27	2	0.1
S4500H	PH (Laboratory) (Std.Units)	Std.Units	00403	7.67		
S2510B	Specific Conductance (E.C.) (umhos/cm)	umho/cm	00095	460	1600	
S2540C	Total Filterable Residue@180C(TDS)(mg/L)	mg/L	70300	280	1000	
	Apparent Color (Unfiltered) (Units)	Units	00081	<3	15	
	Odor Threshold at 60 C (TON)	TON	00086	<1	3	1
E180.1	Lab Turbidity (NTU)	NTU	82079	<0.1	5	0.1
S5540C	MBAS (mg/L)	mg/L	38260	<0.05	0.5	
	<b>INORGANIC CHEMICALS</b>					
E200.8	Aluminum (Al) (ug/L)	ug/L	01105	<50	1000	50
E200.8	Antimony (ug/L)	ug/L	01097	<6	6	6
E200.8	Arsenic (As) (ug/L)	ug/L	01002	2.3	10	2
E200.8	Barium (Ba) (ug/L)	ug/L	01007	140	1000	100
E200.8	Beryllium (ug/L)	ug/L	01012	<1	4	1
E200.8	Cadmium (Cd) (ug/L)	ug/L	01027	<1	5	1
E200.8	Chromium (Total Cr) (ug/L)	ug/L	01034	<10	50	10
E200.7	Copper (Cu) (ug/L)	ug/L	01042	<50	1000	50
E200.7	Iron (Fe) (ug/L)	ug/L	01045	<100	300	100
E200.8	Lead (Pb) (ug/L)	ug/L	01051	<5		5
E200.7	Manganese (Mn) (ug/L)	ug/L	01055	<20	50	20
E245.1	Mercury (Hg) (ug/L)	ug/L	71900	<1	2	1
E200.8	Nickel (ug/L)	ug/L	01067	<10	100	10
E200.8	Selenium (Se) (ug/L)	ug/L	01147	<5	50	5
E200.8	Silver (Ag) (ug/L)	ug/L	01077	<10	100	10
E200.8	Thallium (ug/L)	ug/L	01059	<1	2	1
E200.7	Zinc (Zn) (ug/L)	ug/L	01092	<50	5000	50
	<b>ADDITIONAL ANALYSES</b>					
	Aggressiveness Index	NA	82383	12.1		
E353.2	Nitrite as Nitrogen(N) (mg/L)	mg/L	00620	<0.4	1	0.4
E335.4	Cyanide (ug/L)	ug/L	01291	<100	150	100
E314.0	Perchlorate (ug/L)	ug/L	A-031	<4	6	4

Laboratory Comments and Description of Additional Components Found (Comments in this section are for Client Information only and will **NOT** be transmitted to CDPH via EDT):

Well 13 Effluent 1910105-024 :

Date of Report: 20/10/21Sample ID No.: 0J01008-05Laboratory Name: Weck Laboratories, Inc.Signature Lab Director: Name of Sampler: Carlos Navarro (wecklabs)Date/Time Sample Collected: 20/10/05 1018Date/Time Sample Received @ Lab: 20/10/05 1502Date Analyses Completed: 20/10/15System Name: PARAMOUNT - CITY, WATER DEPT.System Number: 1910105Name or Number of Sample Source: WELL 14User ID: 4THStation Number: 1910105-016Date/Time of Sample: | 20 | 10 | 05 | 10 | 18  
YY MM DD TT TTLaboratory Code: 9588Date of Analyses Completed: | 20 | 10 | 15 |  
YY MM DDSubmitted By: Weck Laboratories, Inc.Phone #: (626) 336-2139

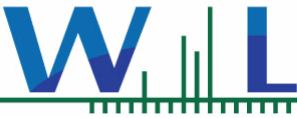
TEST METHOD	CHEMICAL	Units	ENTRY #	ANALYSES RESULTS	MCL	DLR
E524.2	<b>REGULATED ORGANIC CHEMICALS</b> Dichloromethane (Methylene Chloride)	ug/L	34423	<0.5	5	0.5
E8270M	<b>UNREGULATED ORGANIC CHEMICALS</b> 1,4-Dioxane	ug/L	A-032	1.8		1
E537	Perfluorobutanesulfonic Acid (PFBS)	ng/L	C2801	<1.8		
E537	Perfluoroheptanoic Acid (PFHpA)	ng/L	C2802	<1.8		
E537	Perfluorohexane Sulfonic Acid (PFHxS)	ng/L	C2803	<1.8		
E537	Perfluorononanoic Acid (PFNA)	ng/L	C2804	<1.8		
E537	Perfluorooctane Sulfonic Acid (PFOS)	ng/L	C2805	4.5		
E537	Perfluorooctanoic Acid (PFOA)	ng/L	C2806	<1.8		
E537	N-Ethyl Perfluorooctanesulfon (NEtFOSAA)	ng/L	C2807	<1.8		
E537	N-Methyl Perfluorooctanesulf (NMeFOSAA)	ng/L	C2808	<1.8		
E537	Perfluorodecanoic Acid (PFDA)	ng/L	C2809	<1.8		
E537	Perfluorododecanoic Acid (PFDoA)	ng/L	C2810	<1.8		
E537	Perfluorohexanoic Acid (PFHxA)	ng/L	C2811	<1.8		
E537	Perfluorotetradecanoic Acid (PFTA)	ng/L	C2812	<1.8		
E537	Perfluorotridecanoic Acid (PFTTrDA)	ng/L	C2813	<1.8		
E537	Perfluoroundecanoic Acid (PFUnA)	ng/L	C2814	<1.8		
E537	Hexafluoropropylene Oxide Dime (HFPO-DA)	ng/L	C2815	<1.8		
E537	9-Chlorohexadecafluoro-3-Ox (9Cl-PF3ONS)	ng/L	C2816	<1.8		
E537	11-Chloroeicosafluoro-3-O (11Cl-PF3OUdS)	ng/L	C2817	<1.8		
E537	4,8-Dioxa-3H-Perfluorononanoic (ADONA)	ng/L	C2818	<1.8		
E200.8	<b>INORGANIC CHEMICALS</b> Manganese (Mn) (ug/L)	ug/L	01055	<20	50	20



Laboratory Comments and Description of Additional Components Found (Comments in this section are for Client Information only and will **NOT** be transmitted to CDPH via EDT):

Well 14 1910105-016 :





Date of Report: 20/10/21
Laboratory Name: Weck Laboratories, Inc.
Name of Sampler: Carlos Navarro (wecklabs)

Sample ID No.: OJ01008-07
Signature Lab Director: [Handwritten Signature]

Date/Time Sample Collected: 20/10/05 1105
Date/Time Sample Received @ Lab: 20/10/05 1502
Date Analyses Completed: 20/10/14

System Name: PARAMOUNT - CITY, WATER DEPT.
System Number: 1910105

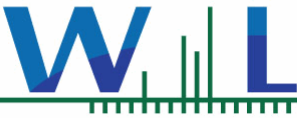
Name or Number of Sample Source: WELL 15

User ID: 4TH
Station Number: 1910105-025
Date/Time of Sample: |20|10|05|11|05
Laboratory Code: 9588
Date of Analyses Completed: |20|10|14|
Submitted By: Weck Laboratories, Inc.
Phone #: (626) 336-2139

Table with 7 columns: TEST METHOD, CHEMICAL, Units, ENTRY #, ANALYSES RESULTS, MCL, DLR. Rows include Arsenic (As) and Manganese (Mn) with their respective values.

Laboratory Comments and Description of Additional Components Found (Comments in this section are for Client Information only and will NOT be transmitted to CDPH via EDT):

Well 15 Pre 1910105-025 :



Date of Report: 20/10/21
Laboratory Name: Weck Laboratories, Inc.
Name of Sampler: Carlos Navarro (wecklabs)

Sample ID No.: OJ01008-08
Signature Lab Director: [Handwritten Signature]

Date/Time Sample Collected: 20/10/05 1107
Date/Time Sample Received @ Lab: 20/10/05 1502
Date Analyses Completed: 20/10/14

System Name: PARAMOUNT - CITY, WATER DEPT.
System Number: 1910105

Name or Number of Sample Source: COMBINED FILTER EFFLUENT

User ID: 4TH
Station Number: 1910105-027
Date/Time of Sample: |20|10|05|11|07
Laboratory Code: 9588
Date of Analyses Completed: |20|10|14|
Submitted By: Weck Laboratories, Inc.
Phone #: (626) 336-2139

Table with 7 columns: TEST METHOD, CHEMICAL, Units, ENTRY #, ANALYSES RESULTS, MCL, DLR. Rows include Arsenic (As) and Manganese (Mn) with their respective results and limits.

Laboratory Comments and Description of Additional Components Found (Comments in this section are for Client Information only and will NOT be transmitted to CDPH via EDT):

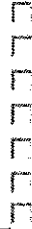
Well 15 Eff 1910105-027 :



14859 East Clark Avenue : Industry : CA 91745  
Tel 626-336-2139 ♦ Fax 626-336-2634 ♦ www.wecklabs.com

STANDARD

Page 1 Of 1

CLIENT NAME:			PROJECT:											SPECIAL HANDLING	
Water Replenishment District			City of Paramount			General Minerals	General Physical	Inorganics	EPA 537.1	EPA 314 Perchlorate	EPA 200.8 Mn	EPA 200.8 As	EPA 8270- 1,4 Dioxane	EPA 524.2 Methylene Chloride	 Same Day Rush 150% 24 Hour Rush 100% 48-72 Hour Rush 75% 4 - 5 Day Rush 30% Rush Extractions 50% 10 - 15 Business Days QA/QC Data Package
ADDRESS: 4040 Parmount Blvd Lakewood, Ca 90712			PHONE: 562-921-5521 FAX: EMAIL: cking@wrd.org												
PROJECT MANAGER			SAMPLER											Charges will apply for weekends/holidays	
Charlene King			Weck <i>Carles W</i>											Method of Shipment:	
ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL TYPE	SAMPLE IDENTIFICATION/SITE LOCATION		# OF CONT.									COMMENTS
3DEB0	10/5/20	1037	GW	Well 13(Pre)-1910105-015			x	x	x	x	x			x	Fld Temp 76.8 F Fld pH 7.7
		1	FB	Well 13 Pre FB						x					
3DEAF		1056	GW	Well 13(Effluent)-1910105-024			x	x	x	x	x				Fld Temp 79.5 Fld pH 7.5
		1	FB	Well 13 Eff FB						x					
3DEB1		1018	GW	Well 14 1910105-016						x		x	x	x	Fld Temp 69.1 F
		1	FB	Well 14 FB						x					
3DEB2		1105	GW	Well 15 (Pre) 1910105-025							x	x			Fld Temp 77.8 F
3DEB3		1107	GW	Well 15 (Effluent) 1910105-027							x	x			Fld Temp 75.5 F
				Travel Blank										x	
				General Mineral Includes Cl,SO4,Alk., TDS,pH,MBAS,EC,200.7(Ca,Na,K,M g,Mn,Fe,Zn)Hardness, Agg.Index											Inorganics: 200.8 Ag, Al, As, Ba, Be, Cd, Cr, Cu, Ni, Pb, Sb, Se, Ti, Hg, 300.0 F, NO3-N, NO2-N, Cyanide Total 335.4
															1059.18 Buffer 7.0

RELINQUISHED BY <i>[Signature]</i>	DATE / TIME 10/5/20 302	RECEIVED BY Janet Mann 10/5/20 1502	SAMPLE TYPE CODE: AQ=Aqueous NA= Non Aqueous SL = Sludge DW = Drinking Water WW = Waste Water RW = Rain Water GW = Ground Water SO = Soil SW = Solid Waste OL = Oil OT = Other Matrix
RELINQUISHED BY	DATE / TIME	RECEIVED BY	
RELINQUISHED BY	DATE / TIME	RECEIVED BY	