

Work Orders: 2D01002

Report Date: 5/06/2022

Project: City of Paramount

Received Date: 4/11/2022

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:

EPA-UCMR #CA00211 • LACSD #10143 • NJ-DEP #CA015 • NV-DEP #NAC 445A • 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 4/11/22 with the Chain-of-Custody document. The samples were received in good condition, at 4.2 °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. Ayo
Project Manager



Water Replenishment District
 4040 Paramount Blvd.
 Lakewood, CA 90712

Project Number: City of Paramount

Reported:
 05/06/2022 10:00

Project Manager: Charlene King

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
Well 14 CA1910105_016_016	Allan Goldberg (wecklabs)	2D01002-01	Water	04/11/22 10:30	
Well 14 Field Blank	Allan Goldberg (wecklabs)	2D01002-02	Water	04/11/22 00:00	
Well 15 Pre CA1910105_025_025	Allan Goldberg (wecklabs)	2D01002-03	Water	04/11/22 10:53	
Well 15 Effluent CA1910105_027_027	Allan Goldberg (wecklabs)	2D01002-04	Water	04/11/22 10:58	
Travel Blank	Allan Goldberg (wecklabs)	2D01002-05	Water	04/11/22 00:00	

Water Replenishment District
4040 Paramount Blvd.
Lakewood, CA 90712

Project Number: City of Paramount

Reported:

05/06/2022 10:00

Project Manager: Charlene King

Sample Results

Sample: Well 14 CA1910105_016_016
2D01002-01 (Water)

Sampled: 04/11/22 10:30 by Allan Goldberg (wecklabs)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
1,4-Dioxane by SPE/GCMS SIM, EPA Method 522						
Method: EPA 522			Instr: GCMS20			
Batch ID: W2D0738		Preparation: EPA 522/SPE		Prepared: 04/12/22 07:30		Analyst: mld
1,4-Dioxane	2.0	0.070	ug/l	1	04/12/22	
<i>Surrogate(s)</i>						
1,4-Dioxane-d8	101%	Conc: 10.1	70-130		04/12/22	
Metals by EPA 200 Series Methods						
Method: EPA 200.8			Instr: ICPMS04			
Batch ID: W2D1745		Preparation: EPA 200.2		Prepared: 04/25/22 10:58		Analyst: mpn
Manganese, Total	14	1.0	ug/l	1	04/29/22	
Per- and Polyfluorinated Alkyl Substances (PFAS) by LC-MS/MS						
Method: EPA 537.1			Instr: LCMS06			
Batch ID: W2D0995		Preparation: EPA 537/SPE		Prepared: 04/14/22 16:21		Analyst: jna
11CI-PF3OUdS	ND	2.0	ng/l	1	04/18/22	
9CI-PF3ONS	ND	2.0	ng/l	1	04/18/22	
ADONA	ND	2.0	ng/l	1	04/18/22	
EtFOSAA	ND	2.0	ng/l	1	04/18/22	
HFPO-DA	ND	2.0	ng/l	1	04/18/22	
MeFOSAA	ND	2.0	ng/l	1	04/18/22	
PFBS	ND	2.0	ng/l	1	04/18/22	
PFDA	ND	2.0	ng/l	1	04/18/22	
PFDoA	ND	2.0	ng/l	1	04/18/22	
PFHpA	ND	2.0	ng/l	1	04/18/22	
PFHxA	ND	2.0	ng/l	1	04/18/22	
PFHxS	ND	2.0	ng/l	1	04/18/22	
PFNA	ND	2.0	ng/l	1	04/18/22	
PFOA	ND	2.0	ng/l	1	04/18/22	
PFOS	7.9	2.0	ng/l	1	04/18/22	
PFTeDA	ND	2.0	ng/l	1	04/18/22	
PFTTrDA	ND	2.0	ng/l	1	04/18/22	
PFUnA	ND	2.0	ng/l	1	04/18/22	
<i>Surrogate(s)</i>						
13C2-PFDA	105%	Conc: 41.2	70-130		04/18/22	
13C2-PFHxA	113%	Conc: 44.4	70-130		04/18/22	
d5-EtFOSAA	94%	Conc: 147	70-130		04/18/22	
HFPO-DA-13C3	113%	Conc: 44.3	70-130		04/18/22	
Volatile Organic Compounds by P&T and GC/MS						
Method: EPA 524.2			Instr: GCMS08			
Batch ID: W2D0804		Preparation: EPA 5030B		Prepared: 04/12/22 12:41		Analyst: ADM
2D01002						

Water Replenishment District
4040 Paramount Blvd.
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Sample Results

(Continued)

Sample: Well 14 CA1910105_016_016
2D01002-01 (Water)

Sampled: 04/11/22 10:30 by Allan Goldberg (wecklabs)

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organic Compounds by P&T and GC/MS (Continued)						
Method: EPA 524.2		Instr: GCMS08				
Batch ID: W2D0804	Preparation: EPA 5030B	Prepared: 04/12/22 12:41		Analyst: ADM		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l	1	04/12/22	
1,1,1-Trichloroethane	ND	0.50	ug/l	1	04/12/22	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	1	04/12/22	
1,1,2-Trichloroethane	ND	0.50	ug/l	1	04/12/22	
1,1-Dichloroethane	ND	0.50	ug/l	1	04/12/22	
1,1-Dichloroethene	ND	0.50	ug/l	1	04/12/22	
1,1-Dichloropropene	ND	0.50	ug/l	1	04/12/22	
1,2,3-Trichlorobenzene	ND	0.50	ug/l	1	04/12/22	
1,2,4-Trichlorobenzene	ND	0.50	ug/l	1	04/12/22	
1,2,4-Trimethylbenzene	ND	0.50	ug/l	1	04/12/22	
1,2-Dichloroethane	ND	0.50	ug/l	1	04/12/22	
1,2-Dichloropropane	ND	0.50	ug/l	1	04/12/22	
1,3,5-Trimethylbenzene	ND	0.50	ug/l	1	04/12/22	
1,3-Dichloropropane	ND	0.50	ug/l	1	04/12/22	
1,3-Dichloropropene, Total	ND	0.50	ug/l	1	04/12/22	
2,2-Dichloropropane	ND	0.50	ug/l	1	04/12/22	
2-Butanone	ND	5.0	ug/l	1	04/12/22	
2-Chlorotoluene	ND	0.50	ug/l	1	04/12/22	
2-Hexanone	ND	5.0	ug/l	1	04/12/22	
4-Chlorotoluene	ND	0.50	ug/l	1	04/12/22	
4-Methyl-2-pentanone	ND	5.0	ug/l	1	04/12/22	
Benzene	ND	0.50	ug/l	1	04/12/22	
Bromobenzene	ND	0.50	ug/l	1	04/12/22	
Bromochloromethane	ND	0.50	ug/l	1	04/12/22	
Bromodichloromethane	ND	0.50	ug/l	1	04/12/22	
Bromoform	ND	0.50	ug/l	1	04/12/22	
Bromomethane	ND	0.50	ug/l	1	04/12/22	
Carbon tetrachloride	ND	0.50	ug/l	1	04/12/22	
Chlorobenzene	ND	0.50	ug/l	1	04/12/22	
Chloroethane	ND	0.50	ug/l	1	04/12/22	
Chloroform	0.67	0.50	ug/l	1	04/12/22	
Chloromethane	ND	0.50	ug/l	1	04/12/22	
cis-1,2-Dichloroethene	ND	0.50	ug/l	1	04/12/22	
cis-1,3-Dichloropropene	ND	0.50	ug/l	1	04/12/22	
Dibromochloromethane	ND	0.50	ug/l	1	04/12/22	

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Sample Results

(Continued)

Sample: Well 14 CA1910105_016_016
2D01002-01 (Water)

Sampled: 04/11/22 10:30 by Allan Goldberg (wecklabs)

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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Volatile Organic Compounds by P&T and GC/MS (Continued)

Method: EPA 524.2

Instr: GCMS08

Batch ID: W2D0804

Preparation: EPA 5030B

Prepared: 04/12/22 12:41

Analyst: ADM

Dibromomethane	ND	0.50	ug/l	1	04/12/22	
Dichlorodifluoromethane (Freon 12)	ND	0.50	ug/l	1	04/12/22	
Di-isopropyl ether	ND	2.0	ug/l	1	04/12/22	
Ethyl tert-butyl ether	ND	2.0	ug/l	1	04/12/22	
Ethylbenzene	ND	0.50	ug/l	1	04/12/22	
Freon 113	ND	5.0	ug/l	1	04/12/22	
Hexachlorobutadiene	ND	0.50	ug/l	1	04/12/22	
Isopropylbenzene	ND	0.50	ug/l	1	04/12/22	
m,p-Xylene	ND	0.50	ug/l	1	04/12/22	
m-Dichlorobenzene	ND	0.50	ug/l	1	04/12/22	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/l	1	04/12/22	
Methylene chloride	ND	0.50	ug/l	1	04/12/22	
Naphthalene	ND	0.50	ug/l	1	04/12/22	
n-Butylbenzene	ND	0.50	ug/l	1	04/12/22	
n-Propylbenzene	ND	0.50	ug/l	1	04/12/22	
o-Dichlorobenzene	ND	0.50	ug/l	1	04/12/22	
o-Xylene	ND	0.50	ug/l	1	04/12/22	
p-Dichlorobenzene	ND	0.50	ug/l	1	04/12/22	
p-Isopropyltoluene	ND	0.50	ug/l	1	04/12/22	
sec-Butylbenzene	ND	0.50	ug/l	1	04/12/22	
Styrene	ND	0.50	ug/l	1	04/12/22	
Tert-amyl methyl ether	ND	2.0	ug/l	1	04/12/22	
tert-Butylbenzene	ND	0.50	ug/l	1	04/12/22	
Tetrachloroethene	ND	0.50	ug/l	1	04/12/22	
THMs, Total	ND	2.0	ug/l	1	04/12/22	
Toluene	ND	0.50	ug/l	1	04/12/22	
trans-1,2-Dichloroethene	ND	0.50	ug/l	1	04/12/22	
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	04/12/22	
Trichloroethene	ND	0.50	ug/l	1	04/12/22	
Trichlorofluoromethane	ND	0.50	ug/l	1	04/12/22	
Vinyl chloride	ND	0.50	ug/l	1	04/12/22	
Xylenes, Total	ND	0.50	ug/l	1	04/12/22	

Surrogate(s)

1,2-Dichlorobenzene-d4	107%	Conc: 10.7	70-130	04/12/22
4-Bromofluorobenzene	107%	Conc: 10.7	70-130	04/12/22

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Sample Results

(Continued)

Sample: Well 14 Field Blank
2D01002-02 (Water) Sampled: 04/11/22 0:00 by Allan Goldberg (wecklabs)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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Per- and Polyfluorinated Alkyl Substances (PFAS) by LC-MS/MS

Method: EPA 537.1

Instr: LCMS06

Batch ID: W2D0995

Preparation: EPA 537/SPE

Prepared: 04/14/22 16:21

Analyst: jna

11CI-PF3OUdS	ND	2.0	ng/l	1	04/18/22	
9CI-PF3ONS	ND	2.0	ng/l	1	04/18/22	
ADONA	ND	2.0	ng/l	1	04/18/22	
EtFOSAA	ND	2.0	ng/l	1	04/18/22	
HFPO-DA	ND	2.0	ng/l	1	04/18/22	
MeFOSAA	ND	2.0	ng/l	1	04/18/22	
PFBS	ND	2.0	ng/l	1	04/18/22	
PFDA	ND	2.0	ng/l	1	04/18/22	
PFDaA	ND	2.0	ng/l	1	04/18/22	
PFHpA	ND	2.0	ng/l	1	04/18/22	
PFHxA	ND	2.0	ng/l	1	04/18/22	
PFHxS	ND	2.0	ng/l	1	04/18/22	
PFNA	ND	2.0	ng/l	1	04/18/22	
PFOA	ND	2.0	ng/l	1	04/18/22	
PFOS	ND	2.0	ng/l	1	04/18/22	
PFTeDA	ND	2.0	ng/l	1	04/18/22	
PFTTrDA	ND	2.0	ng/l	1	04/18/22	
PFUnA	ND	2.0	ng/l	1	04/18/22	

Surrogate(s)

13C2-PFDA	110%	Conc: 42.4	70-130	04/18/22
13C2-PFHxA	115%	Conc: 44.4	70-130	04/18/22
d5-EtFOSAA	101%	Conc: 157	70-130	04/18/22
HFPO-DA-13C3	114%	Conc: 44.1	70-130	04/18/22

Water Replenishment District
4040 Paramount Blvd.
Lakewood, CA 90712

Project Number: City of Paramount

Reported:
05/06/2022 10:00

Project Manager: Charlene King

Sample Results

(Continued)

Sample: Well 15 Pre CA1910105_025_025
2D01002-03 (Water)

Sampled: 04/11/22 10:53 by Allan Goldberg (wecklabs)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8		Instr: ICPMS04				
Batch ID: W2D1745	Preparation: EPA 200.2	Prepared: 04/25/22 10:58		Analyst: mpn		
Arsenic, Total	7.0	0.40	ug/l	1	04/29/22	
Manganese, Total	44	1.0	ug/l	1	04/29/22	
Volatile Organic Compounds by P&T and GC/MS						
Method: EPA 524.2		Instr: GCMS08				
Batch ID: W2D0804	Preparation: EPA 5030B	Prepared: 04/12/22 12:41		Analyst: ADM		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l	1	04/12/22	
1,1,1-Trichloroethane	ND	0.50	ug/l	1	04/12/22	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	1	04/12/22	
1,1,2-Trichloroethane	ND	0.50	ug/l	1	04/12/22	
1,1-Dichloroethane	ND	0.50	ug/l	1	04/12/22	
1,1-Dichloroethene	ND	0.50	ug/l	1	04/12/22	
1,1-Dichloropropene	ND	0.50	ug/l	1	04/12/22	
1,2,3-Trichlorobenzene	ND	0.50	ug/l	1	04/12/22	
1,2,4-Trichlorobenzene	ND	0.50	ug/l	1	04/12/22	
1,2,4-Trimethylbenzene	ND	0.50	ug/l	1	04/12/22	
1,2-Dichloroethane	ND	0.50	ug/l	1	04/12/22	
1,2-Dichloropropane	ND	0.50	ug/l	1	04/12/22	
1,3,5-Trimethylbenzene	ND	0.50	ug/l	1	04/12/22	
1,3-Dichloropropane	ND	0.50	ug/l	1	04/12/22	
1,3-Dichloropropene, Total	ND	0.50	ug/l	1	04/12/22	
2,2-Dichloropropane	ND	0.50	ug/l	1	04/12/22	
2-Butanone	ND	5.0	ug/l	1	04/12/22	
2-Chlorotoluene	ND	0.50	ug/l	1	04/12/22	
2-Hexanone	ND	5.0	ug/l	1	04/12/22	
4-Chlorotoluene	ND	0.50	ug/l	1	04/12/22	
4-Methyl-2-pentanone	ND	5.0	ug/l	1	04/12/22	
Benzene	ND	0.50	ug/l	1	04/12/22	
Bromobenzene	ND	0.50	ug/l	1	04/12/22	
Bromochloromethane	ND	0.50	ug/l	1	04/12/22	
Bromodichloromethane	ND	0.50	ug/l	1	04/12/22	
Bromoform	ND	0.50	ug/l	1	04/12/22	
Bromomethane	ND	0.50	ug/l	1	04/12/22	
Carbon tetrachloride	ND	0.50	ug/l	1	04/12/22	
Chlorobenzene	ND	0.50	ug/l	1	04/12/22	
Chloroethane	ND	0.50	ug/l	1	04/12/22	

Water Replenishment District
4040 Paramount Blvd.
Lakewood, CA 90712

Project Number: City of Paramount

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Project Manager: Charlene King

Sample Results

(Continued)

Sample: Well 15 Pre CA1910105_025_025
2D01002-03 (Water)

Sampled: 04/11/22 10:53 by Allan Goldberg (wecklabs)

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organic Compounds by P&T and GC/MS (Continued)						
Method: EPA 524.2		Instr: GCMS08				
Batch ID: W2D0804	Preparation: EPA 5030B	Prepared: 04/12/22 12:41		Analyst: ADM		
Chloroform	ND	0.50	ug/l	1	04/12/22	
Chloromethane	ND	0.50	ug/l	1	04/12/22	
cis-1,2-Dichloroethene	ND	0.50	ug/l	1	04/12/22	
cis-1,3-Dichloropropene	ND	0.50	ug/l	1	04/12/22	
Dibromochloromethane	ND	0.50	ug/l	1	04/12/22	
Dibromomethane	ND	0.50	ug/l	1	04/12/22	
Dichlorodifluoromethane (Freon 12)	ND	0.50	ug/l	1	04/12/22	
Di-isopropyl ether	ND	2.0	ug/l	1	04/12/22	
Ethyl tert-butyl ether	ND	2.0	ug/l	1	04/12/22	
Ethylbenzene	ND	0.50	ug/l	1	04/12/22	
Freon 113	ND	5.0	ug/l	1	04/12/22	
Hexachlorobutadiene	ND	0.50	ug/l	1	04/12/22	
Isopropylbenzene	ND	0.50	ug/l	1	04/12/22	
m,p-Xylene	ND	0.50	ug/l	1	04/12/22	
m-Dichlorobenzene	ND	0.50	ug/l	1	04/12/22	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/l	1	04/12/22	
Methylene chloride	ND	0.50	ug/l	1	04/12/22	
Naphthalene	ND	0.50	ug/l	1	04/12/22	
n-Butylbenzene	ND	0.50	ug/l	1	04/12/22	
n-Propylbenzene	ND	0.50	ug/l	1	04/12/22	
o-Dichlorobenzene	ND	0.50	ug/l	1	04/12/22	
o-Xylene	ND	0.50	ug/l	1	04/12/22	
p-Dichlorobenzene	ND	0.50	ug/l	1	04/12/22	
p-Isopropyltoluene	ND	0.50	ug/l	1	04/12/22	
sec-Butylbenzene	ND	0.50	ug/l	1	04/12/22	
Styrene	ND	0.50	ug/l	1	04/12/22	
Tert-amyl methyl ether	ND	2.0	ug/l	1	04/12/22	
tert-Butylbenzene	ND	0.50	ug/l	1	04/12/22	
Tetrachloroethene	ND	0.50	ug/l	1	04/12/22	
THMs, Total	ND	2.0	ug/l	1	04/12/22	
Toluene	ND	0.50	ug/l	1	04/12/22	
trans-1,2-Dichloroethene	ND	0.50	ug/l	1	04/12/22	
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	04/12/22	
Trichloroethene	ND	0.50	ug/l	1	04/12/22	
Trichlorofluoromethane	ND	0.50	ug/l	1	04/12/22	

Water Replenishment District
 4040 Paramount Blvd.
 Lakewood, CA 90712

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Project Manager: Charlene King

Reported:
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Sample Results

(Continued)

Sample: Well 15 Pre CA1910105_025_025
 2D01002-03 (Water) Sampled: 04/11/22 10:53 by Allan Goldberg (wecklabs)
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organic Compounds by P&T and GC/MS (Continued)						
Method: EPA 524.2			Instr: GCMS08			
Batch ID: W2D0804		Preparation: EPA 5030B		Prepared: 04/12/22 12:41		Analyst: ADM
Vinyl chloride	ND	0.50	ug/l	1	04/12/22	
Xylenes, Total	ND	0.50	ug/l	1	04/12/22	
<i>Surrogate(s)</i>						
1,2-Dichlorobenzene-d4	107%	Conc: 10.7	70-130		04/12/22	
4-Bromofluorobenzene	105%	Conc: 10.5	70-130		04/12/22	

Water Replenishment District
4040 Paramount Blvd.
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Project Number: City of Paramount

Reported:

05/06/2022 10:00

Project Manager: Charlene King

Sample Results

(Continued)

Sample: Well 15 Effluent CA1910105_027_027
2D01002-04 (Water)

Sampled: 04/11/22 10:58 by Allan Goldberg (wecklabs)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Metals by EPA 200 Series Methods						
Method: EPA 200.8		Instr: ICPMS04				
Batch ID: W2D1745	Preparation: EPA 200.2	Prepared: 04/25/22 10:58		Analyst: mpn		
Arsenic, Total	6.9	0.40	ug/l	1	04/29/22	
Manganese, Total	ND	1.0	ug/l	1	04/29/22	
Volatile Organic Compounds by P&T and GC/MS						
Method: EPA 524.2		Instr: GCMS08				
Batch ID: W2D0804	Preparation: EPA 5030B	Prepared: 04/12/22 12:41		Analyst: ADM		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l	1	04/12/22	
1,1,1-Trichloroethane	ND	0.50	ug/l	1	04/12/22	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	1	04/12/22	
1,1,2-Trichloroethane	ND	0.50	ug/l	1	04/12/22	
1,1-Dichloroethane	ND	0.50	ug/l	1	04/12/22	
1,1-Dichloroethene	ND	0.50	ug/l	1	04/12/22	
1,1-Dichloropropene	ND	0.50	ug/l	1	04/12/22	
1,2,3-Trichlorobenzene	ND	0.50	ug/l	1	04/12/22	
1,2,4-Trichlorobenzene	ND	0.50	ug/l	1	04/12/22	
1,2,4-Trimethylbenzene	ND	0.50	ug/l	1	04/12/22	
1,2-Dichloroethane	ND	0.50	ug/l	1	04/12/22	
1,2-Dichloropropane	ND	0.50	ug/l	1	04/12/22	
1,3,5-Trimethylbenzene	ND	0.50	ug/l	1	04/12/22	
1,3-Dichloropropane	ND	0.50	ug/l	1	04/12/22	
1,3-Dichloropropene, Total	ND	0.50	ug/l	1	04/12/22	
2,2-Dichloropropane	ND	0.50	ug/l	1	04/12/22	
2-Butanone	ND	5.0	ug/l	1	04/12/22	
2-Chlorotoluene	ND	0.50	ug/l	1	04/12/22	
2-Hexanone	ND	5.0	ug/l	1	04/12/22	
4-Chlorotoluene	ND	0.50	ug/l	1	04/12/22	
4-Methyl-2-pentanone	ND	5.0	ug/l	1	04/12/22	
Benzene	ND	0.50	ug/l	1	04/12/22	
Bromobenzene	ND	0.50	ug/l	1	04/12/22	
Bromochloromethane	ND	0.50	ug/l	1	04/12/22	
Bromodichloromethane	0.54	0.50	ug/l	1	04/12/22	
Bromoform	0.53	0.50	ug/l	1	04/12/22	
Bromomethane	ND	0.50	ug/l	1	04/12/22	
Carbon tetrachloride	ND	0.50	ug/l	1	04/12/22	
Chlorobenzene	ND	0.50	ug/l	1	04/12/22	
Chloroethane	ND	0.50	ug/l	1	04/12/22	

Water Replenishment District
4040 Paramount Blvd.
Lakewood, CA 90712

Project Number: City of Paramount

Reported:

05/06/2022 10:00

Project Manager: Charlene King

Sample Results

(Continued)

Sample: Well 15 Effluent CA1910105_027_027
2D01002-04 (Water)

Sampled: 04/11/22 10:58 by Allan Goldberg (wecklabs)

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organic Compounds by P&T and GC/MS (Continued)						
Method: EPA 524.2		Instr: GCMS08				
Batch ID: W2D0804	Preparation: EPA 5030B	Prepared: 04/12/22 12:41		Analyst: ADM		
Chloroform	ND	0.50	ug/l	1	04/12/22	
Chloromethane	ND	0.50	ug/l	1	04/12/22	
cis-1,2-Dichloroethene	ND	0.50	ug/l	1	04/12/22	
cis-1,3-Dichloropropene	ND	0.50	ug/l	1	04/12/22	
Dibromochloromethane	0.60	0.50	ug/l	1	04/12/22	
Dibromomethane	ND	0.50	ug/l	1	04/12/22	
Dichlorodifluoromethane (Freon 12)	ND	0.50	ug/l	1	04/12/22	
Di-isopropyl ether	ND	2.0	ug/l	1	04/12/22	
Ethyl tert-butyl ether	ND	2.0	ug/l	1	04/12/22	
Ethylbenzene	ND	0.50	ug/l	1	04/12/22	
Freon 113	ND	5.0	ug/l	1	04/12/22	
Hexachlorobutadiene	ND	0.50	ug/l	1	04/12/22	
Isopropylbenzene	ND	0.50	ug/l	1	04/12/22	
m,p-Xylene	ND	0.50	ug/l	1	04/12/22	
m-Dichlorobenzene	ND	0.50	ug/l	1	04/12/22	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/l	1	04/12/22	
Methylene chloride	ND	0.50	ug/l	1	04/12/22	
Naphthalene	ND	0.50	ug/l	1	04/12/22	
n-Butylbenzene	ND	0.50	ug/l	1	04/12/22	
n-Propylbenzene	ND	0.50	ug/l	1	04/12/22	
o-Dichlorobenzene	ND	0.50	ug/l	1	04/12/22	
o-Xylene	ND	0.50	ug/l	1	04/12/22	
p-Dichlorobenzene	ND	0.50	ug/l	1	04/12/22	
p-Isopropyltoluene	ND	0.50	ug/l	1	04/12/22	
sec-Butylbenzene	ND	0.50	ug/l	1	04/12/22	
Styrene	ND	0.50	ug/l	1	04/12/22	
Tert-amyl methyl ether	ND	2.0	ug/l	1	04/12/22	
tert-Butylbenzene	ND	0.50	ug/l	1	04/12/22	
Tetrachloroethene	ND	0.50	ug/l	1	04/12/22	
THMs, Total	ND	2.0	ug/l	1	04/12/22	
Toluene	ND	0.50	ug/l	1	04/12/22	
trans-1,2-Dichloroethene	ND	0.50	ug/l	1	04/12/22	
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	04/12/22	
Trichloroethene	ND	0.50	ug/l	1	04/12/22	
Trichlorofluoromethane	ND	0.50	ug/l	1	04/12/22	

Water Replenishment District
 4040 Paramount Blvd.
 Lakewood, CA 90712

Project Number: City of Paramount

Project Manager: Charlene King

Reported:
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Sample Results

(Continued)

Sample: Well 15 Effluent CA1910105_027_027
 2D01002-04 (Water)

Sampled: 04/11/22 10:58 by Allan Goldberg (wecklabs)

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organic Compounds by P&T and GC/MS (Continued)						
Method: EPA 524.2			Instr: GCMS08			
Batch ID: W2D0804		Preparation: EPA 5030B		Prepared: 04/12/22 12:41		Analyst: ADM
Vinyl chloride	ND	0.50	ug/l	1	04/12/22	
Xylenes, Total	ND	0.50	ug/l	1	04/12/22	
<i>Surrogate(s)</i>						
1,2-Dichlorobenzene-d4	106%	Conc: 10.6	70-130		04/12/22	
4-Bromofluorobenzene	99%	Conc: 9.89	70-130		04/12/22	

Water Replenishment District
4040 Paramount Blvd.
Lakewood, CA 90712

Project Number: City of Paramount

Reported:

05/06/2022 10:00

Project Manager: Charlene King

Sample Results

(Continued)

Sample: Travel Blank

Sampled: 04/11/22 0:00 by Allan Goldberg (wecklabs)

2D01002-05 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organic Compounds by P&T and GC/MS						
Method: EPA 524.2		Instr: GCMS08				
Batch ID: W2D0804	Preparation: EPA 5030B	Prepared: 04/12/22 12:41		Analyst: ADM		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l	1	04/12/22	
1,1,1-Trichloroethane	ND	0.50	ug/l	1	04/12/22	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	1	04/12/22	
1,1,2-Trichloroethane	ND	0.50	ug/l	1	04/12/22	
1,1-Dichloroethane	ND	0.50	ug/l	1	04/12/22	
1,1-Dichloroethene	ND	0.50	ug/l	1	04/12/22	
1,1-Dichloropropene	ND	0.50	ug/l	1	04/12/22	
1,2,3-Trichlorobenzene	ND	0.50	ug/l	1	04/12/22	
1,2,4-Trichlorobenzene	ND	0.50	ug/l	1	04/12/22	
1,2,4-Trimethylbenzene	ND	0.50	ug/l	1	04/12/22	
1,2-Dichloroethane	ND	0.50	ug/l	1	04/12/22	
1,2-Dichloropropane	ND	0.50	ug/l	1	04/12/22	
1,3,5-Trimethylbenzene	ND	0.50	ug/l	1	04/12/22	
1,3-Dichloropropane	ND	0.50	ug/l	1	04/12/22	
1,3-Dichloropropene, Total	ND	0.50	ug/l	1	04/12/22	
2,2-Dichloropropane	ND	0.50	ug/l	1	04/12/22	
2-Butanone	ND	5.0	ug/l	1	04/12/22	
2-Chlorotoluene	ND	0.50	ug/l	1	04/12/22	
2-Hexanone	ND	5.0	ug/l	1	04/12/22	
4-Chlorotoluene	ND	0.50	ug/l	1	04/12/22	
4-Methyl-2-pentanone	ND	5.0	ug/l	1	04/12/22	
Benzene	ND	0.50	ug/l	1	04/12/22	
Bromobenzene	ND	0.50	ug/l	1	04/12/22	
Bromochloromethane	ND	0.50	ug/l	1	04/12/22	
Bromodichloromethane	ND	0.50	ug/l	1	04/12/22	
Bromoform	ND	0.50	ug/l	1	04/12/22	
Bromomethane	ND	0.50	ug/l	1	04/12/22	
Carbon tetrachloride	ND	0.50	ug/l	1	04/12/22	
Chlorobenzene	ND	0.50	ug/l	1	04/12/22	
Chloroethane	ND	0.50	ug/l	1	04/12/22	
Chloroform	ND	0.50	ug/l	1	04/12/22	
Chloromethane	ND	0.50	ug/l	1	04/12/22	
cis-1,2-Dichloroethene	ND	0.50	ug/l	1	04/12/22	
cis-1,3-Dichloropropene	ND	0.50	ug/l	1	04/12/22	
Dibromochloromethane	ND	0.50	ug/l	1	04/12/22	

Water Replenishment District
4040 Paramount Blvd.
Lakewood, CA 90712

Project Number: City of Paramount

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Project Manager: Charlene King

Sample Results

(Continued)

Sample: Travel Blank
2D01002-05 (Water)

Sampled: 04/11/22 0:00 by Allan Goldberg (wecklabs)

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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Volatile Organic Compounds by P&T and GC/MS (Continued)

Method: EPA 524.2

Instr: GCMS08

Batch ID: W2D0804

Preparation: EPA 5030B

Prepared: 04/12/22 12:41

Analyst: ADM

Dibromomethane	ND	0.50	ug/l	1	04/12/22	
Dichlorodifluoromethane (Freon 12)	ND	0.50	ug/l	1	04/12/22	
Di-isopropyl ether	ND	2.0	ug/l	1	04/12/22	
Ethyl tert-butyl ether	ND	2.0	ug/l	1	04/12/22	
Ethylbenzene	ND	0.50	ug/l	1	04/12/22	
Freon 113	ND	5.0	ug/l	1	04/12/22	
Hexachlorobutadiene	ND	0.50	ug/l	1	04/12/22	
Isopropylbenzene	ND	0.50	ug/l	1	04/12/22	
m,p-Xylene	ND	0.50	ug/l	1	04/12/22	
m-Dichlorobenzene	ND	0.50	ug/l	1	04/12/22	
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/l	1	04/12/22	
Methylene chloride	ND	0.50	ug/l	1	04/12/22	
Naphthalene	ND	0.50	ug/l	1	04/12/22	
n-Butylbenzene	ND	0.50	ug/l	1	04/12/22	
n-Propylbenzene	ND	0.50	ug/l	1	04/12/22	
o-Dichlorobenzene	ND	0.50	ug/l	1	04/12/22	
o-Xylene	ND	0.50	ug/l	1	04/12/22	
p-Dichlorobenzene	ND	0.50	ug/l	1	04/12/22	
p-Isopropyltoluene	ND	0.50	ug/l	1	04/12/22	
sec-Butylbenzene	ND	0.50	ug/l	1	04/12/22	
Styrene	ND	0.50	ug/l	1	04/12/22	
Tert-amyl methyl ether	ND	2.0	ug/l	1	04/12/22	
tert-Butylbenzene	ND	0.50	ug/l	1	04/12/22	
Tetrachloroethene	ND	0.50	ug/l	1	04/12/22	
THMs, Total	ND	2.0	ug/l	1	04/12/22	
Toluene	ND	0.50	ug/l	1	04/12/22	
trans-1,2-Dichloroethene	ND	0.50	ug/l	1	04/12/22	
trans-1,3-Dichloropropene	ND	0.50	ug/l	1	04/12/22	
Trichloroethene	ND	0.50	ug/l	1	04/12/22	
Trichlorofluoromethane	ND	0.50	ug/l	1	04/12/22	
Vinyl chloride	ND	0.50	ug/l	1	04/12/22	
Xylenes, Total	ND	0.50	ug/l	1	04/12/22	

Surrogate(s)

1,2-Dichlorobenzene-d4	110%	Conc: 11.0	70-130	04/12/22
4-Bromofluorobenzene	112%	Conc: 11.2	70-130	04/12/22

Water Replenishment District
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Lakewood, CA 90712

Project Number: City of Paramount

Reported:

05/06/2022 10:00

Project Manager: Charlene King

Quality Control Results

1,4-Dioxane by SPE/GCMS SIM, EPA Method 522

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W2D0738 - EPA 522										
Blank (W2D0738-BLK1)										
Prepared & Analyzed: 04/12/22										
1,4-Dioxane	ND	0.070	ug/l							
<i>Surrogate(s)</i>										
1,4-Dioxane-d8	9.18		ug/l	10.0		92	70-130			
LCS (W2D0738-BS1)										
Prepared & Analyzed: 04/12/22										
1,4-Dioxane	0.379	0.070	ug/l	0.400		95	70-130			
<i>Surrogate(s)</i>										
1,4-Dioxane-d8	9.97		ug/l	10.0		100	70-130			
LCS Dup (W2D0738-BSD1)										
Prepared & Analyzed: 04/12/22										
1,4-Dioxane	0.334	0.070	ug/l	0.400		84	70-130	12	30	
<i>Surrogate(s)</i>										
1,4-Dioxane-d8	9.66		ug/l	10.0		97	70-130			

Quality Control Results

Metals by EPA 200 Series Methods

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W2D1745 - EPA 200.8										
Blank (W2D1745-BLK1)										
Prepared: 04/25/22 Analyzed: 04/29/22										
Arsenic, Total	ND	0.40	ug/l							
Manganese, Total	ND	1.0	ug/l							
LCS (W2D1745-BS1)										
Prepared: 04/25/22 Analyzed: 04/29/22										
Arsenic, Total	48.9	0.40	ug/l	50.0		98	85-115			
Manganese, Total	52.2	1.0	ug/l	50.0		104	85-115			
Matrix Spike (W2D1745-MS1)										
Source: 2D18094-01										
Prepared: 04/25/22 Analyzed: 04/29/22										
Arsenic, Total	49.2	0.40	ug/l	50.0	ND	98	70-130			
Manganese, Total	51.8	1.0	ug/l	50.0	ND	104	70-130			
Matrix Spike Dup (W2D1745-MSD1)										
Source: 2D18094-01										
Prepared: 04/25/22 Analyzed: 04/29/22										
Arsenic, Total	48.3	0.40	ug/l	50.0	ND	97	70-130	2	30	
Manganese, Total	52.6	1.0	ug/l	50.0	ND	105	70-130	1	30	

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Reported:
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Project Manager: Charlene King

(Continued)

Quality Control Results

Per- and Polyfluorinated Alkyl Substances (PFAS) by LC-MS/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
Batch: W2D0995 - EPA 537.1										
Blank (W2D0995-BLK1)										
Prepared: 04/14/22 Analyzed: 04/18/22										
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	48.5		ng/l	40.0		121	70-130			
13C2-PFHxA	48.5		ng/l	40.0		121	70-130			
d5-EtFOSAA	177		ng/l	160		110	70-130			
HFPO-DA-13C3	47.6		ng/l	40.0		119	70-130			
LCS (W2D0995-BS1)										
Prepared: 04/14/22 Analyzed: 04/18/22										
11CI-PF3OUdS	19.8	2.0	ng/l	20.0		99	70-130			
9CI-PF3ONS	20.2	2.0	ng/l	20.0		101	70-130			
ADONA	19.8	2.0	ng/l	20.0		99	70-130			
EtFOSAA	19.8	2.0	ng/l	20.0		99	70-130			
HFPO-DA	19.8	2.0	ng/l	20.0		99	70-130			
MeFOSAA	20.5	2.0	ng/l	20.0		103	70-130			
PFBS	20.3	2.0	ng/l	20.0		101	70-130			
PFDA	21.4	2.0	ng/l	20.0		107	70-130			
PFDoA	19.9	2.0	ng/l	20.0		99	70-130			
PFHpA	20.5	2.0	ng/l	20.0		102	70-130			
PFHxA	20.3	2.0	ng/l	20.0		101	70-130			
PFHxS	20.5	2.0	ng/l	20.0		102	70-130			
PFNA	21.5	2.0	ng/l	20.0		107	70-130			
PFOA	20.4	2.0	ng/l	20.0		102	70-130			
PFOS	19.9	2.0	ng/l	20.0		100	70-130			

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Quality Control Results

(Continued)

Per- and Polyfluorinated Alkyl Substances (PFAS) by LC-MS/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
Batch: W2D0995 - EPA 537.1 (Continued)										
LCS (W2D0995-BS1)										
Prepared: 04/14/22 Analyzed: 04/18/22										
PFTeDA	21.5	2.0	ng/l	20.0		107	70-130			
PFTrDA	20.2	2.0	ng/l	20.0		101	70-130			
PFUnA	21.2	2.0	ng/l	20.0		106	70-130			
<i>Surrogate(s)</i>										
13C2-PFDA	43.2		ng/l	40.0		108	70-130			
13C2-PFHxA	42.8		ng/l	40.0		107	70-130			
d5-EtFOSAA	169		ng/l	160		106	70-130			
HFPO-DA-13C3	41.2		ng/l	40.0		103	70-130			
LCS Dup (W2D0995-BSD1)										
Prepared: 04/14/22 Analyzed: 04/18/22										
11CI-PF3OUdS	18.8	2.0	ng/l	20.0		94	70-130	5	30	
9CI-PF3ONS	19.0	2.0	ng/l	20.0		95	70-130	6	30	
ADONA	19.0	2.0	ng/l	20.0		95	70-130	4	30	
EtFOSAA	19.7	2.0	ng/l	20.0		99	70-130	0.6	30	
HFPO-DA	19.5	2.0	ng/l	20.0		98	70-130	1	30	
MeFOSAA	20.4	2.0	ng/l	20.0		102	70-130	0.8	30	
PFBS	20.2	2.0	ng/l	20.0		101	70-130	0.6	30	
PFDA	20.6	2.0	ng/l	20.0		103	70-130	4	30	
PFDoA	19.6	2.0	ng/l	20.0		98	70-130	1	30	
PFHpA	19.8	2.0	ng/l	20.0		99	70-130	3	30	
PFHxA	20.1	2.0	ng/l	20.0		100	70-130	1	30	
PFHxS	20.5	2.0	ng/l	20.0		102	70-130	0.05	30	
PFNA	20.9	2.0	ng/l	20.0		104	70-130	3	30	
PFOA	20.2	2.0	ng/l	20.0		101	70-130	0.8	30	
PFOS	19.9	2.0	ng/l	20.0		99	70-130	0.3	30	
PFTeDA	20.7	2.0	ng/l	20.0		104	70-130	4	30	
PFTrDA	19.8	2.0	ng/l	20.0		99	70-130	2	30	
PFUnA	20.3	2.0	ng/l	20.0		102	70-130	4	30	
<i>Surrogate(s)</i>										
13C2-PFDA	40.6		ng/l	40.0		102	70-130			
13C2-PFHxA	41.3		ng/l	40.0		103	70-130			
d5-EtFOSAA	160		ng/l	160		100	70-130			
HFPO-DA-13C3	40.5		ng/l	40.0		101	70-130			

Water Replenishment District
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Project Number: City of Paramount

Reported:
05/06/2022 10:00

Project Manager: Charlene King

(Continued)

Quality Control Results

Volatile Organic Compounds by P&T and GC/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
Batch: W2D0804 - EPA 524.2										
Blank (W2D0804-BLK1)										
Prepared & Analyzed: 04/12/22										
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l				70-130			
1,1,1-Trichloroethane	ND	0.50	ug/l				70-130			
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l				70-130			
1,1,2-Trichloroethane	ND	0.50	ug/l				70-130			
1,1-Dichloroethane	ND	0.50	ug/l				70-130			
1,1-Dichloroethene	ND	0.50	ug/l				70-130			
1,1-Dichloropropene	ND	0.50	ug/l				70-130			
1,2,3-Trichlorobenzene	ND	0.50	ug/l				70-130			
1,2,4-Trichlorobenzene	ND	0.50	ug/l				70-130			
1,2,4-Trimethylbenzene	ND	0.50	ug/l				70-130			
1,2-Dichloroethane	ND	0.50	ug/l				70-130			
1,2-Dichloropropane	ND	0.50	ug/l				70-130			
1,3,5-Trimethylbenzene	ND	0.50	ug/l				70-130			
1,3-Dichloropropane	ND	0.50	ug/l				70-130			
1,3-Dichloropropene, Total	ND	0.50	ug/l				70-130			
2,2-Dichloropropane	ND	0.50	ug/l				70-130			
2-Butanone	ND	5.0	ug/l				70-130			
2-Chlorotoluene	ND	0.50	ug/l				70-130			
2-Hexanone	ND	5.0	ug/l				70-130			
4-Chlorotoluene	ND	0.50	ug/l				70-130			
4-Methyl-2-pentanone	ND	5.0	ug/l				70-130			
Benzene	ND	0.50	ug/l				70-130			
Bromobenzene	ND	0.50	ug/l				70-130			
Bromochloromethane	ND	0.50	ug/l				70-130			
Bromodichloromethane	ND	0.50	ug/l				70-130			
Bromoform	ND	0.50	ug/l				70-130			
Bromomethane	ND	0.50	ug/l				70-130			
Carbon tetrachloride	ND	0.50	ug/l				70-130			
Chlorobenzene	ND	0.50	ug/l				70-130			
Chloroethane	ND	0.50	ug/l				70-130			
Chloroform	ND	0.50	ug/l				70-130			
Chloromethane	ND	0.50	ug/l				70-130			
cis-1,2-Dichloroethene	ND	0.50	ug/l				70-130			
cis-1,3-Dichloropropene	ND	0.50	ug/l				70-130			
Dibromochloromethane	ND	0.50	ug/l				70-130			
Dibromomethane	ND	0.50	ug/l				70-130			
Dichlorodifluoromethane (Freon 12)	ND	0.50	ug/l				70-130			
Di-isopropyl ether	ND	2.0	ug/l				70-130			
Ethyl tert-butyl ether	ND	2.0	ug/l				70-130			

Water Replenishment District
4040 Paramount Blvd.
Lakewood, CA 90712

Project Number: City of Paramount

Reported:
05/06/2022 10:00

Project Manager: Charlene King

(Continued)

Quality Control Results

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
Batch: W2D0804 - EPA 524.2 (Continued)										
Blank (W2D0804-BLK1)										
Prepared & Analyzed: 04/12/22										
Ethylbenzene	ND	0.50	ug/l				70-130			
Freon 113	ND	5.0	ug/l				70-130			
Hexachlorobutadiene	ND	0.50	ug/l				70-130			
Isopropylbenzene	ND	0.50	ug/l				70-130			
m,p-Xylene	ND	0.50	ug/l				70-130			
m-Dichlorobenzene	ND	0.50	ug/l				70-130			
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/l				70-130			
Methylene chloride	ND	0.50	ug/l				70-130			
Naphthalene	ND	0.50	ug/l				70-130			
n-Butylbenzene	ND	0.50	ug/l				70-130			
n-Propylbenzene	ND	0.50	ug/l				70-130			
o-Dichlorobenzene	ND	0.50	ug/l				70-130			
o-Xylene	ND	0.50	ug/l				70-130			
p-Dichlorobenzene	ND	0.50	ug/l				70-130			
p-Isopropyltoluene	ND	0.50	ug/l				70-130			
sec-Butylbenzene	ND	0.50	ug/l				70-130			
Styrene	ND	0.50	ug/l				70-130			
Tert-amyl methyl ether	ND	2.0	ug/l				70-130			
tert-Butylbenzene	ND	0.50	ug/l				70-130			
Tetrachloroethene	ND	0.50	ug/l				70-130			
THMs, Total	ND	2.0	ug/l				70-130			
Toluene	ND	0.50	ug/l				70-130			
trans-1,2-Dichloroethene	ND	0.50	ug/l				70-130			
trans-1,3-Dichloropropene	ND	0.50	ug/l				70-130			
Trichloroethene	ND	0.50	ug/l				70-130			
Trichlorofluoromethane	ND	0.50	ug/l				70-130			
Vinyl chloride	ND	0.50	ug/l				70-130			
Xylenes, Total	ND	0.50	ug/l				70-130			
<i>Surrogate(s)</i>										
1,2-Dichlorobenzene-d4	11.2		ug/l	10.0		112	70-130			
4-Bromofluorobenzene	10.8		ug/l	10.0		108	70-130			
LCS (W2D0804-BS1)										
Prepared & Analyzed: 04/12/22										
1,1,1,2-Tetrachloroethane	5.10	0.50	ug/l	5.00		102	70-130			
1,1,1-Trichloroethane	5.24	0.50	ug/l	5.00		105	70-130			
1,1,2,2-Tetrachloroethane	5.22	0.50	ug/l	5.00		104	70-130			
1,1,2-Trichloroethane	4.97	0.50	ug/l	5.00		99	70-130			
1,1-Dichloroethane	5.05	0.50	ug/l	5.00		101	70-130			
1,1-Dichloroethene	5.17	0.50	ug/l	5.00		103	70-130			
1,1-Dichloropropene	5.11	0.50	ug/l	5.00		102	70-130			

Water Replenishment District
4040 Paramount Blvd.
Lakewood, CA 90712

Project Number: City of Paramount

Reported:
05/06/2022 10:00

Project Manager: Charlene King

(Continued)

Quality Control Results

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
Batch: W2D0804 - EPA 524.2 (Continued)				Prepared & Analyzed: 04/12/22						
LCS (W2D0804-BS1)										
1,2,3-Trichlorobenzene	4.97	0.50	ug/l	5.00		99	70-130			
1,2,4-Trichlorobenzene	4.88	0.50	ug/l	5.00		98	70-130			
1,2,4-Trimethylbenzene	5.14	0.50	ug/l	5.00		103	70-130			
1,2-Dichloroethane	5.15	0.50	ug/l	5.00		103	70-130			
1,2-Dichloropropane	4.84	0.50	ug/l	5.00		97	70-130			
1,3,5-Trimethylbenzene	5.23	0.50	ug/l	5.00		105	70-130			
1,3-Dichloropropane	5.01	0.50	ug/l	5.00		100	70-130			
2,2-Dichloropropane	4.86	0.50	ug/l	5.00		97	70-130			
2-Butanone	4.78	5.0	ug/l	5.00		96	70-130			
2-Chlorotoluene	5.17	0.50	ug/l	5.00		103	70-130			
2-Hexanone	4.90	5.0	ug/l	5.00		98	70-130			
4-Chlorotoluene	5.20	0.50	ug/l	5.00		104	70-130			
4-Methyl-2-pentanone	4.85	5.0	ug/l	5.00		97	70-130			
Benzene	5.11	0.50	ug/l	5.00		102	70-130			
Bromobenzene	4.95	0.50	ug/l	5.00		99	70-130			
Bromochloromethane	5.08	0.50	ug/l	5.00		102	70-130			
Bromodichloromethane	4.98	0.50	ug/l	5.00		100	70-130			
Bromoform	5.00	0.50	ug/l	5.00		100	70-130			
Bromomethane	5.14	0.50	ug/l	5.00		103	70-130			
Carbon tetrachloride	5.44	0.50	ug/l	5.00		109	70-130			
Chlorobenzene	4.88	0.50	ug/l	5.00		98	70-130			
Chloroethane	4.85	0.50	ug/l	5.00		97	70-130			
Chloroform	5.28	0.50	ug/l	5.00		106	70-130			
Chloromethane	4.88	0.50	ug/l	5.00		98	70-130			
cis-1,2-Dichloroethene	5.04	0.50	ug/l	5.00		101	70-130			
cis-1,3-Dichloropropene	4.68	0.50	ug/l	5.00		94	70-130			
Dibromochloromethane	5.05	0.50	ug/l	5.00		101	70-130			
Dibromomethane	5.02	0.50	ug/l	5.00		100	70-130			
Dichlorodifluoromethane (Freon 12)	4.79	0.50	ug/l	5.00		96	70-130			
Di-isopropyl ether	20.5	2.0	ug/l	20.0		103	70-130			
Ethyl tert-butyl ether	20.1	2.0	ug/l	20.0		100	70-130			
Ethylbenzene	5.43	0.50	ug/l	5.00		109	70-130			
Freon 113	5.41	5.0	ug/l	5.00		108	70-130			
Hexachlorobutadiene	5.06	0.50	ug/l	5.00		101	70-130			
Isopropylbenzene	5.41	0.50	ug/l	5.00		108	70-130			
m,p-Xylene	5.14	0.50	ug/l	5.00		103	70-130			
m-Dichlorobenzene	5.07	0.50	ug/l	5.00		101	70-130			
Methyl tert-butyl ether (MTBE)	19.5	2.0	ug/l	20.0		97	70-130			
Methylene chloride	5.00	0.50	ug/l	5.00		100	70-130			

Water Replenishment District
4040 Paramount Blvd.
Lakewood, CA 90712

Project Number: City of Paramount

Reported:
05/06/2022 10:00

Project Manager: Charlene King

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
Batch: W2D0804 - EPA 524.2 (Continued)										
LCS (W2D0804-BS1)				Prepared & Analyzed: 04/12/22						
Naphthalene	4.96	0.50	ug/l	5.00		99	70-130			
n-Butylbenzene	5.30	0.50	ug/l	5.00		106	70-130			
n-Propylbenzene	5.22	0.50	ug/l	5.00		104	70-130			
o-Dichlorobenzene	4.98	0.50	ug/l	5.00		100	70-130			
o-Xylene	5.26	0.50	ug/l	5.00		105	70-130			
p-Dichlorobenzene	5.02	0.50	ug/l	5.00		100	70-130			
p-Isopropyltoluene	5.35	0.50	ug/l	5.00		107	70-130			
sec-Butylbenzene	5.23	0.50	ug/l	5.00		105	70-130			
Styrene	5.11	0.50	ug/l	5.00		102	70-130			
Tert-amyl methyl ether	18.5	2.0	ug/l	20.0		92	70-130			
tert-Butylbenzene	5.14	0.50	ug/l	5.00		103	70-130			
Tetrachloroethene	5.15	0.50	ug/l	5.00		103	70-130			
Toluene	5.29	0.50	ug/l	5.00		106	70-130			
trans-1,2-Dichloroethene	5.05	0.50	ug/l	5.00		101	70-130			
trans-1,3-Dichloropropene	4.62	0.50	ug/l	5.00		92	70-130			
Trichloroethene	5.01	0.50	ug/l	5.00		100	70-130			
Trichlorofluoromethane	5.47	0.50	ug/l	5.00		109	70-130			
Vinyl chloride	5.13	0.50	ug/l	5.00		103	70-130			
<i>Surrogate(s)</i>										
1,2-Dichlorobenzene-d4	10.8		ug/l	10.0		108	70-130			
4-Bromofluorobenzene	10.3		ug/l	10.0		103	70-130			
LCS Dup (W2D0804-BSD1)				Prepared & Analyzed: 04/12/22						
1,1,1,2-Tetrachloroethane	4.97	0.50	ug/l	5.00		99	70-130	2	30	
1,1,1-Trichloroethane	5.08	0.50	ug/l	5.00		102	70-130	3	30	
1,1,2,2-Tetrachloroethane	5.17	0.50	ug/l	5.00		103	70-130	1	30	
1,1,2-Trichloroethane	4.95	0.50	ug/l	5.00		99	70-130	0.4	30	
1,1-Dichloroethane	5.17	0.50	ug/l	5.00		103	70-130	2	30	
1,1-Dichloroethene	5.19	0.50	ug/l	5.00		104	70-130	0.6	30	
1,1-Dichloropropene	5.11	0.50	ug/l	5.00		102	70-130	0.00008	30	
1,2,3-Trichlorobenzene	5.11	0.50	ug/l	5.00		102	70-130	3	30	
1,2,4-Trichlorobenzene	4.94	0.50	ug/l	5.00		99	70-130	1	30	
1,2,4-Trimethylbenzene	4.90	0.50	ug/l	5.00		98	70-130	5	30	
1,2-Dichloroethane	5.16	0.50	ug/l	5.00		103	70-130	0.06	30	
1,2-Dichloropropane	4.93	0.50	ug/l	5.00		99	70-130	2	30	
1,3,5-Trimethylbenzene	5.00	0.50	ug/l	5.00		100	70-130	5	30	
1,3-Dichloropropane	5.00	0.50	ug/l	5.00		100	70-130	0.2	30	
2,2-Dichloropropane	4.79	0.50	ug/l	5.00		96	70-130	2	30	
2-Butanone	4.76	5.0	ug/l	5.00		95	70-130	0.3	30	
2-Chlorotoluene	5.07	0.50	ug/l	5.00		101	70-130	2	30	

Water Replenishment District
4040 Paramount Blvd.
Lakewood, CA 90712

Project Number: City of Paramount

Reported:
05/06/2022 10:00

Project Manager: Charlene King

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
Batch: W2D0804 - EPA 524.2 (Continued)										
LCS Dup (W2D0804-BSD1)				Prepared & Analyzed: 04/12/22						
2-Hexanone	4.95	5.0	ug/l	5.00	99	70-130	0.9	30		
4-Chlorotoluene	5.11	0.50	ug/l	5.00	102	70-130	2	30		
4-Methyl-2-pentanone	4.85	5.0	ug/l	5.00	97	70-130	0.04	30		
Benzene	5.02	0.50	ug/l	5.00	100	70-130	2	30		
Bromobenzene	4.95	0.50	ug/l	5.00	99	70-130	0.007	30		
Bromochloromethane	5.13	0.50	ug/l	5.00	103	70-130	1	30		
Bromodichloromethane	5.03	0.50	ug/l	5.00	101	70-130	1	30		
Bromoform	4.87	0.50	ug/l	5.00	97	70-130	3	30		
Bromomethane	5.31	0.50	ug/l	5.00	106	70-130	3	30		
Carbon tetrachloride	5.36	0.50	ug/l	5.00	107	70-130	2	30		
Chlorobenzene	4.99	0.50	ug/l	5.00	100	70-130	2	30		
Chloroethane	4.89	0.50	ug/l	5.00	98	70-130	0.8	30		
Chloroform	5.30	0.50	ug/l	5.00	106	70-130	0.4	30		
Chloromethane	4.91	0.50	ug/l	5.00	98	70-130	0.6	30		
cis-1,2-Dichloroethene	5.10	0.50	ug/l	5.00	102	70-130	1	30		
cis-1,3-Dichloropropene	4.77	0.50	ug/l	5.00	95	70-130	2	30		
Dibromochloromethane	5.09	0.50	ug/l	5.00	102	70-130	0.7	30		
Dibromomethane	5.07	0.50	ug/l	5.00	101	70-130	0.9	30		
Dichlorodifluoromethane (Freon 12)	4.89	0.50	ug/l	5.00	98	70-130	2	30		
Di-isopropyl ether	20.6	2.0	ug/l	20.0	103	70-130	0.2	30		
Ethyl tert-butyl ether	20.3	2.0	ug/l	20.0	101	70-130	1	30		
Ethylbenzene	5.41	0.50	ug/l	5.00	108	70-130	0.4	30		
Freon 113	5.30	5.0	ug/l	5.00	106	70-130	2	30		
Hexachlorobutadiene	4.92	0.50	ug/l	5.00	98	70-130	3	30		
Isopropylbenzene	5.37	0.50	ug/l	5.00	107	70-130	0.8	30		
m,p-Xylene	5.17	0.50	ug/l	5.00	103	70-130	0.5	30		
m-Dichlorobenzene	5.11	0.50	ug/l	5.00	102	70-130	0.9	30		
Methyl tert-butyl ether (MTBE)	20.1	2.0	ug/l	20.0	100	70-130	3	30		
Methylene chloride	5.14	0.50	ug/l	5.00	103	70-130	3	30		
Naphthalene	5.13	0.50	ug/l	5.00	103	70-130	3	30		
n-Butylbenzene	5.21	0.50	ug/l	5.00	104	70-130	2	30		
n-Propylbenzene	5.10	0.50	ug/l	5.00	102	70-130	2	30		
o-Dichlorobenzene	4.99	0.50	ug/l	5.00	100	70-130	0.2	30		
o-Xylene	5.21	0.50	ug/l	5.00	104	70-130	0.9	30		
p-Dichlorobenzene	5.04	0.50	ug/l	5.00	101	70-130	0.3	30		
p-Isopropyltoluene	5.18	0.50	ug/l	5.00	104	70-130	3	30		
sec-Butylbenzene	5.19	0.50	ug/l	5.00	104	70-130	0.9	30		
Styrene	5.11	0.50	ug/l	5.00	102	70-130	0.04	30		
Tert-amyl methyl ether	18.1	2.0	ug/l	20.0	91	70-130	2	30		

Water Replenishment District
4040 Paramount Blvd.
Lakewood, CA 90712

Project Number: City of Paramount

Reported:
05/06/2022 10:00

Project Manager: Charlene King

(Continued)

Quality Control Results

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
Batch: W2D0804 - EPA 524.2 (Continued)										
LCS Dup (W2D0804-BSD1)				Prepared & Analyzed: 04/12/22						
tert-Butylbenzene	5.03	0.50	ug/l	5.00		101	70-130	2	30	
Tetrachloroethene	5.01	0.50	ug/l	5.00		100	70-130	3	30	
Toluene	5.18	0.50	ug/l	5.00		104	70-130	2	30	
trans-1,2-Dichloroethene	5.12	0.50	ug/l	5.00		102	70-130	1	30	
trans-1,3-Dichloropropene	4.57	0.50	ug/l	5.00		91	70-130	1	30	
Trichloroethene	4.98	0.50	ug/l	5.00		100	70-130	0.6	30	
Trichlorofluoromethane	5.38	0.50	ug/l	5.00		108	70-130	2	30	
Vinyl chloride	5.08	0.50	ug/l	5.00		102	70-130	0.9	30	
<i>Surrogate(s)</i>										
1,2-Dichlorobenzene-d4	11.0		ug/l	10.0		110	70-130			
4-Bromofluorobenzene	10.8		ug/l	10.0		108	70-130			

Water Replenishment District
4040 Paramount Blvd.
Lakewood, CA 90712

Project Number: City of Paramount

Project Manager: Charlene King

Reported:
05/06/2022 10:00

Notes and Definitions

Item	Definition
%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	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.



Weck Laboratories, Inc.

Analytical Laboratory Services - Since 1964

CHAIN OF CUSTODY RECORD

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

Work Order # 2001002

Page 1 Of 1

CLIENT NAME: Water Replenishment District		PROJECT: City of Paramount		<table border="1"> <tr><td>EPA 524.2 VOCs</td><td>EPA 522-1,4 Dioxane</td><td>EPA 537.1 PFOS/PFOAs</td><td>EPA 200.8 Mn</td><td>EPA 200.8 As</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>										EPA 524.2 VOCs	EPA 522-1,4 Dioxane	EPA 537.1 PFOS/PFOAs	EPA 200.8 Mn	EPA 200.8 As																SPECIAL HANDLING <input type="checkbox"/> Same Day Rush 150% <input type="checkbox"/> 24 Hour Rush 100% <input type="checkbox"/> 48-72 Hour Rush 75% <input type="checkbox"/> 4 - 5 Day Rush 30% <input type="checkbox"/> Rush Extractions 50% <input type="checkbox"/> 10 - 15 Business Days <input type="checkbox"/> QA/QC Data Package	
EPA 524.2 VOCs	EPA 522-1,4 Dioxane	EPA 537.1 PFOS/PFOAs	EPA 200.8 Mn											EPA 200.8 As																					
ADDRESS: 4040 Paramount Blvd Lakewood, Ca 90712		PHONE: 562-921-5521 FAX: EMAIL: cking@wrdd.org												Charges will apply for weekends/holidays																					
PROJECT MANAGER: Charlene King		SAMPLER: Weck - <u>ALLAN</u>		Method of Shipment:																															

WTX IDs	DATE SAMPLED	TIME SAMPLED	SMPL TYPE	SAMPLE IDENTIFICATION/SITE LOCATION	# OF CONT.	EPA 524.2 VOCs	EPA 522-1,4 Dioxane	EPA 537.1 PFOS/PFOAs	EPA 200.8 Mn	EPA 200.8 As											COMMENTS
3DEB1	4/11/22	1030	GW	Well 14 CA1910105_016_016	8	x	x	x	x												Fld Temp 19.1°c
			FB	Well 14 FB CA1910105_016_016	1			x													
3DEB2		1053	GW	Well 15 (Pre) CA1910105_025_025	4	x			x	x											Fld Temp 20.7°c
3DEB3		1058	GW	Well 15 (Effluent) CA1910105_027_027	4	x			x	x											Fld Temp 21.0°c
			TB	Travel Blank	1	x															

RELINQUISHED BY <i>[Signature]</i>	DATE / TIME 4/11/22 1638	RECEIVED BY <i>[Signature]</i>	4/11/22 16:38	SAMPLE CONDITION: Actual Temperature: 4.2°c <input type="checkbox"/> Received On Ice Preserved <input type="checkbox"/> Evidence Seals Present <input type="checkbox"/> Container Attacked <input type="checkbox"/> Preserved at Lab <i>T2234</i>	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			