



Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

26 March 2019

Deer Park, City of
Frank Walker
2117 East X Street
Deer Park, TX 77536

Deer Park, City of - ITC Water Check

Enclosed are the results of analyses for samples received by the laboratory on 25-Mar-19 13:40. The analytical data provided relates only to the samples as received in this laboratory report.

ELI certifies that all results are NELAP compliant and performed in accordance with the referenced method except as noted in the Case Narrative or as noted with a qualifier. Any reproductions of this laboratory report should be in full and only with the written authorization from the client.

The total number of pages in this report is 22

Thank you for selecting ELI for your analytical needs. If you have any questions regarding this report, please contact us.

Sincerely,



DRAFT REPORT
DATA SUBJECT TO CHANGE

Certificate No: T104704265-18-14



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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C2990

Reported:
26-Mar-19 15:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Raw Water	19C2990-01	Water	23-Mar-19 21:30	25-Mar-19 13:40
Finished Water	19C2990-02	Water	23-Mar-19 21:30	25-Mar-19 13:40
Trip Blank	19C2990-03	Water	23-Mar-19 21:30	25-Mar-19 13:40

DRAFT REPORT

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DRAFT REPORT, DATA SUBJECT TO CHANGE

Page 2 of 23



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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C2990

Reported:
 26-Mar-19 15:33

Raw Water
19C2990-01 (Water) Sampled: 23-Mar-19 21:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
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Envirodyne Laboratories, Inc.

Volatile Organic Compounds by EPA 524.2

Dichlorodifluoromethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Chloromethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Vinyl Chloride	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Bromomethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Chloroethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Trichlorofluoromethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Diethyl ether	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
1,1-Dichloroethene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Carbon Disulfide	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Methylene Chloride	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
MTBE (Methyl tert-butyl ether)	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
trans-1,2-Dichloroethene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
1,1-Dichloroethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
2,2-Dichloropropane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
cis-1,2-Dichloroethene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Bromochloromethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Chloroform	21	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
1,2-Dichloroethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Methyl Acrylate	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Tetrahydrofuran	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Carbon Tetrachloride	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
1,1-Dichloropropene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Benzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Trichloroethene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
1,2-Dichloropropane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Methyl methacrylate	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Dibromomethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Bromodichloromethane	6.4	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	

DRAFT REPORT

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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C2990

Reported:
 26-Mar-19 15:33

Raw Water
19C2990-01 (Water) Sampled: 23-Mar-19 21:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
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Envirodyne Laboratories, Inc.

Volatile Organic Compounds by EPA 524.2

trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Dibromochloromethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
1,2-Dibromoethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Toluene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Tetrachloroethene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
1,3-Dichloropropane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Chlorobenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Ethylbenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
m,p-Xylene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
o-Xylene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Styrene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Bromoform	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Isopropylbenzene (Cumene)	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
trans-1,4-Dichloro-2-butene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Bromobenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
n-Propylbenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
2-Chlorotoluene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
1,3,5-Trimethylbenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
4-Chlorotoluene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
tert-butyl Benzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
1,2,4-Trimethylbenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
sec-butyl Benzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
p-Isopropyltoluene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
1,3-Dichlorobenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
n-butyl Benzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	

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Work Order: 19C2990

Reported:
 26-Mar-19 15:33

Raw Water

19C2990-01 (Water) Sampled: 23-Mar-19 21:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
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Envirodyne Laboratories, Inc.

Volatile Organic Compounds by EPA 524.2

1,2-Dichlorobenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Hexachlorobutadiene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Naphthalene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
1,2,3-Trichlorobenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Total Trichloroethanes	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Total Trihalomethanes	27	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
Total Xylenes	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.2 %		70-130	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>		91.0 %		70-130	B9C3137	26-Mar-19	26-Mar-19 00:44	EPA 524.2	BPC	

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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C2990

Reported:
 26-Mar-19 15:33

Finished Water
19C2990-02 (Water) Sampled: 23-Mar-19 21:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
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Envirodyne Laboratories, Inc.

Volatile Organic Compounds by EPA 524.2

Dichlorodifluoromethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Chloromethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Vinyl Chloride	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Bromomethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Chloroethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Trichlorofluoromethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Diethyl ether	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
1,1-Dichloroethene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Carbon Disulfide	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Methylene Chloride	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
MTBE (Methyl tert-butyl ether)	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
trans-1,2-Dichloroethene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
1,1-Dichloroethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
2,2-Dichloropropane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
cis-1,2-Dichloroethene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Bromochloromethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Chloroform	16	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
1,2-Dichloroethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Methyl Acrylate	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Tetrahydrofuran	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Carbon Tetrachloride	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
1,1-Dichloropropene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Benzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Trichloroethene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
1,2-Dichloropropane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Methyl methacrylate	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Dibromomethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Bromodichloromethane	5.4	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	

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Work Order: 19C2990

Reported:
 26-Mar-19 15:33

Finished Water
19C2990-02 (Water) Sampled: 23-Mar-19 21:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
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Envirodyne Laboratories, Inc.

Volatile Organic Compounds by EPA 524.2

trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Dibromochloromethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
1,2-Dibromoethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Toluene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Tetrachloroethene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
1,3-Dichloropropane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Chlorobenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Ethylbenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
m,p-Xylene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
o-Xylene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Styrene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Bromoform	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Isopropylbenzene (Cumene)	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
trans-1,4-Dichloro-2-butene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Bromobenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
n-Propylbenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
2-Chlorotoluene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
1,3,5-Trimethylbenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
4-Chlorotoluene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
tert-butyl Benzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
1,2,4-Trimethylbenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
sec-butyl Benzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
p-Isopropyltoluene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
1,3-Dichlorobenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
n-butyl Benzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	

DRAFT REPORT

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 Houston, TX 77099
 281.568.7880 Phone
 www.envirodyne.com

Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C2990

Reported:
 26-Mar-19 15:33

Finished Water
19C2990-02 (Water) Sampled: 23-Mar-19 21:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
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Envirodyne Laboratories, Inc.

Volatile Organic Compounds by EPA 524.2

1,2-Dichlorobenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Hexachlorobutadiene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Naphthalene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
1,2,3-Trichlorobenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Total Trichloroethanes	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Total Trihalomethanes	22	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
Total Xylenes	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.6 %		70-130	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>		87.4 %		70-130	B9C3137	26-Mar-19	26-Mar-19 01:10	EPA 524.2	BPC	

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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C2990

Reported:
 26-Mar-19 15:33

Trip Blank
19C2990-03 (Water) Sampled: 23-Mar-19 21:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
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Envirodyne Laboratories, Inc.

Volatile Organic Compounds by EPA 524.2

Dichlorodifluoromethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Chloromethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Vinyl Chloride	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Bromomethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Chloroethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Trichlorofluoromethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Diethyl ether	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
1,1-Dichloroethene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Carbon Disulfide	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Methylene Chloride	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
MTBE (Methyl tert-butyl ether)	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
trans-1,2-Dichloroethene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
1,1-Dichloroethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
2,2-Dichloropropane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
cis-1,2-Dichloroethene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Bromochloromethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Chloroform	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
1,2-Dichloroethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Methyl Acrylate	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Tetrahydrofuran	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Carbon Tetrachloride	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
1,1-Dichloropropene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Benzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Trichloroethene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
1,2-Dichloropropane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Methyl methacrylate	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Dibromomethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Bromodichloromethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	

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11011 Brooklet Dr., # 230
Houston, TX 77099
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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C2990

Reported:
 26-Mar-19 15:33

Trip Blank
19C2990-03 (Water) Sampled: 23-Mar-19 21:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
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Envirodyne Laboratories, Inc.

Volatile Organic Compounds by EPA 524.2

trans-1,3-Dichloropropene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Dibromochloromethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
1,2-Dibromoethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Toluene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Tetrachloroethene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
1,3-Dichloropropane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Chlorobenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Ethylbenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
m,p-Xylene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
o-Xylene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Styrene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Bromoform	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Isopropylbenzene (Cumene)	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
trans-1,4-Dichloro-2-butene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Bromobenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
n-Propylbenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
2-Chlorotoluene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
1,3,5-Trimethylbenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
4-Chlorotoluene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
tert-butyl Benzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
1,2,4-Trimethylbenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
sec-butyl Benzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
p-Isopropyltoluene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
1,3-Dichlorobenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
n-butyl Benzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	

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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C2990

Reported:
 26-Mar-19 15:33

Trip Blank
19C2990-03 (Water) Sampled: 23-Mar-19 21:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
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Envirodyne Laboratories, Inc.

Volatile Organic Compounds by EPA 524.2

1,2-Dichlorobenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Hexachlorobutadiene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Naphthalene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
1,2,3-Trichlorobenzene	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Total Trichloroethanes	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Total Trihalomethanes	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
Total Xylenes	<1.0	1.0	ug/L	1	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.8 %		70-130	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>		85.4 %		70-130	B9C3137	26-Mar-19	26-Mar-19 00:18	EPA 524.2	BPC	

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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C2990

Reported:
 26-Mar-19 15:33

Volatile Organic Compounds by EPA 524.2 - Quality Control
Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B9C3137 - Organics										
Blank (B9C3137-BLK1)				Prepared & Analyzed: 25-Mar-19						
Dichlorodifluoromethane	<1.0	1.0	ug/L							
Chloromethane	<1.0	1.0	"							
Vinyl Chloride	<1.0	1.0	"							
Bromomethane	<1.0	1.0	"							
Chloroethane	<1.0	1.0	"							
Trichlorofluoromethane	<1.0	1.0	"							
Diethyl ether	<1.0	1.0	"							
1,1-Dichloroethene	<1.0	1.0	"							
Carbon Disulfide	<1.0	1.0	"							
Methylene Chloride	<1.0	1.0	"							
MTBE (Methyl tert-butyl ether)	<1.0	1.0	"							
trans-1,2-Dichloroethene	<1.0	1.0	"							
1,1-Dichloroethane	<1.0	1.0	"							
2,2-Dichloropropane	<1.0	1.0	"							
cis-1,2-Dichloroethene	<1.0	1.0	"							
Bromochloromethane	<1.0	1.0	"							
Chloroform	<1.0	1.0	"							
1,2-Dichloroethane	<1.0	1.0	"							
1,1,1-Trichloroethane	<1.0	1.0	"							
Methyl Acrylate	<1.0	1.0	"							
Tetrahydrofuran	<1.0	1.0	"							
Carbon Tetrachloride	<1.0	1.0	"							
1,1-Dichloropropene	<1.0	1.0	"							
Benzene	<1.0	1.0	"							
Trichloroethene	<1.0	1.0	"							
1,2-Dichloropropane	<1.0	1.0	"							
Methyl methacrylate	<1.0	1.0	"							
Dibromomethane	<1.0	1.0	"							
Bromodichloromethane	<1.0	1.0	"							
cis-1,3-Dichloropropene	<1.0	1.0	"							
trans-1,3-Dichloropropene	<1.0	1.0	"							
1,1,2-Trichloroethane	<1.0	1.0	"							

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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C2990

Reported:
 26-Mar-19 15:33

Volatile Organic Compounds by EPA 524.2 - Quality Control
Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9C3137 - Organics

Blank (B9C3137-BLK1)

Prepared & Analyzed: 25-Mar-19

Dibromochloromethane	<1.0	1.0	ug/L							
1,2-Dibromoethane	<1.0	1.0	"							
Toluene	<1.0	1.0	"							
Tetrachloroethene	<1.0	1.0	"							
1,3-Dichloropropane	<1.0	1.0	"							
Chlorobenzene	<1.0	1.0	"							
1,1,1,2-Tetrachloroethane	<1.0	1.0	"							
Ethylbenzene	<1.0	1.0	"							
m,p-Xylene	<1.0	1.0	"							
o-Xylene	<1.0	1.0	"							
Styrene	<1.0	1.0	"							
Bromoform	<1.0	1.0	"							
Isopropylbenzene (Cumene)	<1.0	1.0	"							
1,1,2,2-Tetrachloroethane	<1.0	1.0	"							
trans-1,4-Dichloro-2-butene	<1.0	1.0	"							
1,2,3-Trichloropropane	<1.0	1.0	"							
Bromobenzene	<1.0	1.0	"							
n-Propylbenzene	<1.0	1.0	"							
2-Chlorotoluene	<1.0	1.0	"							
1,3,5-Trimethylbenzene	<1.0	1.0	"							
4-Chlorotoluene	<1.0	1.0	"							
tert-butyl Benzene	<1.0	1.0	"							
1,2,4-Trimethylbenzene	<1.0	1.0	"							
sec-butyl Benzene	<1.0	1.0	"							
p-Isopropyltoluene	<1.0	1.0	"							
1,3-Dichlorobenzene	<1.0	1.0	"							
1,4-Dichlorobenzene	<1.0	1.0	"							
n-butyl Benzene	<1.0	1.0	"							
1,2-Dichlorobenzene	<1.0	1.0	"							
1,2-Dibromo-3-chloropropane	<1.0	1.0	"							
1,2,4-Trichlorobenzene	<1.0	1.0	"							
Hexachlorobutadiene	<1.0	1.0	"							

DRAFT REPORT

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Envirodyne Laboratories, Inc
 11011 Brooklet Dr., # 230
 Houston, TX 77099
 281.568.7880 Phone
 www.envirodyne.com

Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C2990

Reported:
 26-Mar-19 15:33

Volatile Organic Compounds by EPA 524.2 - Quality Control
Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9C3137 - Organics

Blank (B9C3137-BLK1)

Prepared & Analyzed: 25-Mar-19

Naphthalene	<1.0	1.0	ug/L							
1,2,3-Trichlorobenzene	<1.0	1.0	"							
Total Trichloroethanes	<1.0	1.0	"							
Total Trihalomethanes	<1.0	1.0	"							
Total Xylenes	<1.0	1.0	"							
<i>Surrogate: 4-Bromofluorobenzene</i>	4.8		"	5.00		96.0	70-130			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	4.5		"	5.00		89.6	70-130			

LCS (B9C3137-BS1)

Prepared & Analyzed: 25-Mar-19

Dichlorodifluoromethane	19	1.0	ug/L	20.0		95.6	80-120			
Chloromethane	20	1.0	"	20.0		99.7	80-120			
Vinyl Chloride	20	1.0	"	20.0		102	80-120			
Bromomethane	21	1.0	"	20.0		107	80-120			
Chloroethane	21	1.0	"	20.0		107	80-120			
Trichlorofluoromethane	20	1.0	"	20.0		100	80-120			
Diethyl ether	20	1.0	"	20.0		98.8	80-120			
1,1-Dichloroethene	20	1.0	"	20.0		98.6	80-120			
Carbon Disulfide	18	1.0	"	20.0		89.6	80-120			
Methylene Chloride	18	1.0	"	20.0		92.2	80-120			
MTBE (Methyl tert-butyl ether)	20	1.0	"	20.0		99.1	80-120			
trans-1,2-Dichloroethene	18	1.0	"	20.0		92.0	80-120			
1,1-Dichloroethane	19	1.0	"	20.0		94.6	80-120			
2,2-Dichloropropane	19	1.0	"	20.0		93.3	80-120			
cis-1,2-Dichloroethene	19	1.0	"	20.0		95.2	80-120			
Bromochloromethane	19	1.0	"	20.0		96.5	80-120			
Chloroform	18	1.0	"	20.0		91.9	80-120			
1,2-Dichloroethane	20	1.0	"	20.0		97.8	80-120			
1,1,1-Trichloroethane	19	1.0	"	20.0		96.0	80-120			
Methyl Acrylate	20	1.0	"	20.0		98.9	80-120			
Tetrahydrofuran	20	1.0	"	20.0		99.4	80-120			
Carbon Tetrachloride	19	1.0	"	20.0		94.6	80-120			
1,1-Dichloropropene	20	1.0	"	20.0		97.5	80-120			

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Volatile Organic Compounds by EPA 524.2 - Quality Control
Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9C3137 - Organics

LCS (B9C3137-BS1)

Prepared & Analyzed: 25-Mar-19

Benzene	19	1.0	ug/L	20.0		96.0	80-120			
Trichloroethene	19	1.0	"	20.0		95.6	80-120			
1,2-Dichloropropane	19	1.0	"	20.0		94.6	80-120			
Methyl methacrylate	19	1.0	"	20.0		93.3	80-120			
Dibromomethane	19	1.0	"	20.0		93.4	80-120			
Bromodichloromethane	19	1.0	"	20.0		96.6	80-120			
cis-1,3-Dichloropropene	20	1.0	"	20.0		98.9	80-120			
trans-1,3-Dichloropropene	19	1.0	"	20.0		94.8	80-120			
1,1,2-Trichloroethane	19	1.0	"	20.0		95.9	80-120			
Dibromochloromethane	19	1.0	"	20.0		93.6	80-120			
1,2-Dibromoethane	20	1.0	"	20.0		98.4	80-120			
Toluene	18	1.0	"	20.0		91.0	80-120			
Tetrachloroethene	20	1.0	"	20.0		98.5	80-120			
1,3-Dichloropropane	20	1.0	"	20.0		98.3	80-120			
Chlorobenzene	18	1.0	"	20.0		88.9	80-120			
1,1,1,2-Tetrachloroethane	19	1.0	"	20.0		95.8	80-120			
Ethylbenzene	19	1.0	"	20.0		96.8	80-120			
m,p-Xylene	36	1.0	"	40.0		90.3	80-120			
o-Xylene	19	1.0	"	20.0		95.0	80-120			
Styrene	18	1.0	"	20.0		91.8	80-120			
Bromoform	18	1.0	"	20.0		89.9	80-120			
Isopropylbenzene (Cumene)	20	1.0	"	20.0		99.4	80-120			
1,1,2,2-Tetrachloroethane	19	1.0	"	20.0		92.9	80-120			
trans-1,4-Dichloro-2-butene	18	1.0	"	20.0		87.8	80-120			
1,2,3-Trichloropropane	19	1.0	"	20.0		93.0	80-120			
Bromobenzene	19	1.0	"	20.0		96.0	80-120			
n-Propylbenzene	19	1.0	"	20.0		97.4	80-120			
2-Chlorotoluene	19	1.0	"	20.0		96.2	80-120			
1,3,5-Trimethylbenzene	20	1.0	"	20.0		97.8	80-120			
4-Chlorotoluene	19	1.0	"	20.0		94.8	80-120			
tert-butyl Benzene	19	1.0	"	20.0		94.8	80-120			
1,2,4-Trimethylbenzene	19	1.0	"	20.0		96.2	80-120			

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Project: Deer Park, City of - ITC Water Check
Work Order: 19C2990

Reported:
 26-Mar-19 15:33

Volatile Organic Compounds by EPA 524.2 - Quality Control
Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9C3137 - Organics

LCS (B9C3137-BS1)		Prepared & Analyzed: 25-Mar-19								
sec-butyl Benzene	18	1.0	ug/L	20.0		91.1	80-120			
p-Isopropyltoluene	19	1.0	"	20.0		95.8	80-120			
1,3-Dichlorobenzene	19	1.0	"	20.0		93.6	80-120			
1,4-Dichlorobenzene	19	1.0	"	20.0		94.4	80-120			
n-butyl Benzene	19	1.0	"	20.0		96.6	80-120			
1,2-Dichlorobenzene	19	1.0	"	20.0		94.5	80-120			
1,2-Dibromo-3-chloropropane	19	1.0	"	20.0		94.6	80-120			
1,2,4-Trichlorobenzene	20	1.0	"	20.0		99.0	80-120			
Hexachlorobutadiene	19	1.0	"	20.0		93.0	80-120			
Naphthalene	19	1.0	"	20.0		94.5	80-120			
1,2,3-Trichlorobenzene	19	1.0	"	20.0		93.0	80-120			
Total Trichloroethanes	38	1.0	"	40.0		96.0	80-120			
Total Trihalomethanes	74	1.0	"	80.0		93.0	80-120			
Total Xylenes	55	1.0	"	60.0		91.8	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>5.0</i>		<i>"</i>	<i>5.00</i>		<i>101</i>	<i>70-130</i>			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>4.9</i>		<i>"</i>	<i>5.00</i>		<i>98.2</i>	<i>70-130</i>			

LCS Dup (B9C3137-BSD1)		Prepared & Analyzed: 25-Mar-19								
Dichlorodifluoromethane	19	1.0	ug/L	20.0		96.6	80-120	1.04	20	
Chloromethane	21	1.0	"	20.0		104	80-120	3.98	20	
Vinyl Chloride	21	1.0	"	20.0		105	80-120	3.13	20	
Bromomethane	23	1.0	"	20.0		114	80-120	6.06	20	
Chloroethane	21	1.0	"	20.0		107	80-120	0.00	20	
Trichlorofluoromethane	20	1.0	"	20.0		102	80-120	1.53	20	
Diethyl ether	20	1.0	"	20.0		98.4	80-120	0.507	20	
1,1-Dichloroethene	20	1.0	"	20.0		99.2	80-120	0.708	20	
Carbon Disulfide	18	1.0	"	20.0		91.6	80-120	2.21	20	
Methylene Chloride	19	1.0	"	20.0		93.9	80-120	1.77	20	
MTBE (Methyl tert-butyl ether)	20	1.0	"	20.0		101	80-120	1.75	20	
trans-1,2-Dichloroethene	19	1.0	"	20.0		95.6	80-120	3.78	20	
1,1-Dichloroethane	19	1.0	"	20.0		97.2	80-120	2.82	20	
2,2-Dichloropropane	19	1.0	"	20.0		94.7	80-120	1.49	20	

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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C2990

Reported:
 26-Mar-19 15:33

Volatile Organic Compounds by EPA 524.2 - Quality Control
Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9C3137 - Organics

LCS Dup (B9C3137-BSD1)		Prepared & Analyzed: 25-Mar-19								
cis-1,2-Dichloroethene	20	1.0	ug/L	20.0		98.3	80-120	3.15	20	
Bromochloromethane	19	1.0	"	20.0		93.0	80-120	3.69	20	
Chloroform	19	1.0	"	20.0		95.6	80-120	4.00	20	
1,2-Dichloroethane	20	1.0	"	20.0		99.4	80-120	1.67	20	
1,1,1-Trichloroethane	19	1.0	"	20.0		97.2	80-120	1.19	20	
Methyl Acrylate	20	1.0	"	20.0		98.6	80-120	0.355	20	
Tetrahydrofuran	21	1.0	"	20.0		103	80-120	3.61	20	
Carbon Tetrachloride	20	1.0	"	20.0		98.2	80-120	3.73	20	
1,1-Dichloropropene	21	1.0	"	20.0		103	80-120	5.78	20	
Benzene	20	1.0	"	20.0		98.1	80-120	2.16	20	
Trichloroethene	20	1.0	"	20.0		99.7	80-120	4.15	20	
1,2-Dichloropropane	20	1.0	"	20.0		99.8	80-120	5.25	20	
Methyl methacrylate	19	1.0	"	20.0		96.4	80-120	3.32	20	
Dibromomethane	20	1.0	"	20.0		99.6	80-120	6.37	20	
Bromodichloromethane	20	1.0	"	20.0		98.3	80-120	1.69	20	
cis-1,3-Dichloropropene	21	1.0	"	20.0		103	80-120	4.21	20	
trans-1,3-Dichloropropene	20	1.0	"	20.0		98.8	80-120	4.13	20	
1,1,2-Trichloroethane	20	1.0	"	20.0		101	80-120	5.38	20	
Dibromochloromethane	19	1.0	"	20.0		94.0	80-120	0.427	20	
1,2-Dibromoethane	20	1.0	"	20.0		98.8	80-120	0.457	20	
Toluene	19	1.0	"	20.0		94.0	80-120	3.30	20	
Tetrachloroethene	23	1.0	"	20.0		113	80-120	13.5	20	
1,3-Dichloropropane	20	1.0	"	20.0		99.2	80-120	0.861	20	
Chlorobenzene	18	1.0	"	20.0		88.9	80-120	0.00	20	
1,1,1,2-Tetrachloroethane	19	1.0	"	20.0		95.4	80-120	0.419	20	
Ethylbenzene	20	1.0	"	20.0		99.0	80-120	2.25	20	
m,p-Xylene	39	1.0	"	40.0		97.6	80-120	7.77	20	
o-Xylene	20	1.0	"	20.0		98.2	80-120	3.37	20	
Styrene	19	1.0	"	20.0		93.9	80-120	2.32	20	
Bromoform	18	1.0	"	20.0		92.4	80-120	2.80	20	
Isopropylbenzene (Cumene)	20	1.0	"	20.0		101	80-120	1.20	20	
1,1,2,2-Tetrachloroethane	19	1.0	"	20.0		95.2	80-120	2.39	20	

DRAFT REPORT

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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C2990

Reported:
 26-Mar-19 15:33

Volatile Organic Compounds by EPA 524.2 - Quality Control
Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9C3137 - Organics

LCS Dup (B9C3137-BSD1)	Prepared & Analyzed: 25-Mar-19									
trans-1,4-Dichloro-2-butene	18	1.0	ug/L	20.0		89.8	80-120	2.31	20	
1,2,3-Trichloropropane	19	1.0	"	20.0		95.0	80-120	2.13	20	
Bromobenzene	19	1.0	"	20.0		97.0	80-120	1.04	20	
n-Propylbenzene	20	1.0	"	20.0		99.2	80-120	1.78	20	
2-Chlorotoluene	19	1.0	"	20.0		96.9	80-120	0.777	20	
1,3,5-Trimethylbenzene	20	1.0	"	20.0		97.6	80-120	0.153	20	
4-Chlorotoluene	20	1.0	"	20.0		98.0	80-120	3.27	20	
tert-butyl Benzene	19	1.0	"	20.0		97.2	80-120	2.40	20	
1,2,4-Trimethylbenzene	20	1.0	"	20.0		98.0	80-120	1.75	20	
sec-butyl Benzene	18	1.0	"	20.0		92.2	80-120	1.20	20	
p-Isopropyltoluene	19	1.0	"	20.0		96.4	80-120	0.572	20	
1,3-Dichlorobenzene	19	1.0	"	20.0		95.6	80-120	2.22	20	
1,4-Dichlorobenzene	19	1.0	"	20.0		95.6	80-120	1.26	20	
n-butyl Benzene	20	1.0	"	20.0		98.8	80-120	2.25	20	
1,2-Dichlorobenzene	19	1.0	"	20.0		96.4	80-120	1.99	20	
1,2-Dibromo-3-chloropropane	20	1.0	"	20.0		98.3	80-120	3.89	20	
1,2,4-Trichlorobenzene	19	1.0	"	20.0		97.1	80-120	1.99	20	
Hexachlorobutadiene	19	1.0	"	20.0		93.8	80-120	0.857	20	
Naphthalene	19	1.0	"	20.0		96.4	80-120	2.04	20	
1,2,3-Trichlorobenzene	19	1.0	"	20.0		94.4	80-120	1.39	20	
Total Trichloroethanes	40	1.0	"	40.0		99.2	80-120	3.31	20	
Total Trihalomethanes	76	1.0	"	80.0		95.1	80-120	2.22	20	
Total Xylenes	59	1.0	"	60.0		97.8	80-120	6.27	20	
Surrogate: 4-Bromofluorobenzene	4.9		"	5.00		97.2	70-130			
Surrogate: 1,2-Dichlorobenzene-d4	4.7		"	5.00		94.4	70-130			

Matrix Spike (B9C3137-MS1)	Source: 19C2986-01 Prepared & Analyzed: 26-Mar-19									
Dichlorodifluoromethane	18	1.0	ug/L	20.0	ND	89.9	80-120			
Chloromethane	26	1.0	"	20.0	ND	129	80-120			Q
Vinyl Chloride	22	1.0	"	20.0	ND	108	80-120			
Bromomethane	22	1.0	"	20.0	ND	112	80-120			
Chloroethane	24	1.0	"	20.0	ND	120	80-120			

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Work Order: 19C2990

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Volatile Organic Compounds by EPA 524.2 - Quality Control
Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9C3137 - Organics

Matrix Spike (B9C3137-MS1)	Source: 19C2986-01			Prepared & Analyzed: 26-Mar-19						
Trichlorofluoromethane	19	1.0	ug/L	20.0	ND	96.8	80-120			
Diethyl ether	21	1.0	"	20.0	ND	103	80-120			
1,1-Dichloroethene	20	1.0	"	20.0	ND	98.0	80-120			
Carbon Disulfide	17	1.0	"	20.0	ND	85.1	80-120			
Methylene Chloride	19	1.0	"	20.0	ND	96.0	80-120			
MTBE (Methyl tert-butyl ether)	20	1.0	"	20.0	ND	102	80-120			
trans-1,2-Dichloroethene	19	1.0	"	20.0	ND	96.2	80-120			
1,1-Dichloroethane	20	1.0	"	20.0	ND	99.6	80-120			
2,2-Dichloropropane	19	1.0	"	20.0	ND	96.4	80-120			
cis-1,2-Dichloroethene	20	1.0	"	20.0	ND	98.4	80-120			
Bromochloromethane	18	1.0	"	20.0	ND	90.2	80-120			
Chloroform	42	1.0	"	20.0	22	102	80-120			
1,2-Dichloroethane	21	1.0	"	20.0	ND	103	80-120			
1,1,1-Trichloroethane	18	1.0	"	20.0	ND	92.2	80-120			
Methyl Acrylate	21	1.0	"	20.0	ND	103	80-120			
Tetrahydrofuran	20	1.0	"	20.0	ND	99.8	80-120			
Carbon Tetrachloride	17	1.0	"	20.0	ND	86.1	80-120			
1,1-Dichloropropene	20	1.0	"	20.0	ND	101	80-120			
Benzene	20	1.0	"	20.0	ND	100	80-120			
Trichloroethene	20	1.0	"	20.0	ND	98.6	80-120			
1,2-Dichloropropane	20	1.0	"	20.0	ND	101	80-120			
Methyl methacrylate	19	1.0	"	20.0	ND	95.4	80-120			
Dibromomethane	19	1.0	"	20.0	ND	96.8	80-120			
Bromodichloromethane	25	1.0	"	20.0	6.4	95.2	80-120			
cis-1,3-Dichloropropene	20	1.0	"	20.0	ND	102	80-120			
trans-1,3-Dichloropropene	19	1.0	"	20.0	ND	94.4	80-120			
1,1,2-Trichloroethane	20	1.0	"	20.0	ND	102	80-120			
Dibromochloromethane	17	1.0	"	20.0	ND	85.8	80-120			
1,2-Dibromoethane	19	1.0	"	20.0	ND	97.0	80-120			
Toluene	19	1.0	"	20.0	ND	93.0	80-120			
Tetrachloroethene	21	1.0	"	20.0	ND	103	80-120			
1,3-Dichloropropane	20	1.0	"	20.0	ND	99.8	80-120			

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 11011 Brooklet Dr., # 230
 Houston, TX 77099
 281.568.7880 Phone
 www.envirodyne.com

Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C2990

Reported:
 26-Mar-19 15:33

Volatile Organic Compounds by EPA 524.2 - Quality Control
Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9C3137 - Organics

Matrix Spike (B9C3137-MS1)	Source: 19C2986-01			Prepared & Analyzed: 26-Mar-19						
Chlorobenzene	17	1.0	ug/L	20.0	ND	84.2	80-120			
1,1,1,2-Tetrachloroethane	18	1.0	"	20.0	ND	89.4	80-120			
Ethylbenzene	20	1.0	"	20.0	ND	99.0	80-120			
m,p-Xylene	39	1.0	"	40.0	ND	96.8	80-120			
o-Xylene	19	1.0	"	20.0	ND	96.2	80-120			
Styrene	18	1.0	"	20.0	ND	91.7	80-120			
Bromoform	14	1.0	"	20.0	ND	71.0	80-120			Q
Isopropylbenzene (Cumene)	20	1.0	"	20.0	ND	99.8	80-120			
1,1,2,2-Tetrachloroethane	19	1.0	"	20.0	ND	97.2	80-120			
trans-1,4-Dichloro-2-butene	19	1.0	"	20.0	ND	95.4	80-120			
1,2,3-Trichloropropane	19	1.0	"	20.0	ND	93.2	80-120			
Bromobenzene	18	1.0	"	20.0	ND	89.9	80-120			
n-Propylbenzene	20	1.0	"	20.0	ND	101	80-120			
2-Chlorotoluene	20	1.0	"	20.0	ND	98.6	80-120			
1,3,5-Trimethylbenzene	19	1.0	"	20.0	ND	97.2	80-120			
4-Chlorotoluene	19	1.0	"	20.0	ND	97.3	80-120			
tert-butyl Benzene	19	1.0	"	20.0	ND	94.0	80-120			
1,2,4-Trimethylbenzene	19	1.0	"	20.0	ND	95.5	80-120			
sec-butyl Benzene	18	1.0	"	20.0	ND	91.9	80-120			
p-Isopropyltoluene	19	1.0	"	20.0	ND	92.8	80-120			
1,3-Dichlorobenzene	18	1.0	"	20.0	ND	91.2	80-120			
1,4-Dichlorobenzene	18	1.0	"	20.0	ND	91.6	80-120			
n-butyl Benzene	20	1.0	"	20.0	ND	98.9	80-120			
1,2-Dichlorobenzene	18	1.0	"	20.0	ND	91.8	80-120			
1,2-Dibromo-3-chloropropane	17	1.0	"	20.0	ND	82.7	80-120			
1,2,4-Trichlorobenzene	18	1.0	"	20.0	ND	88.8	80-120			
Hexachlorobutadiene	16	1.0	"	20.0	ND	80.0	80-120			
Naphthalene	18	1.0	"	20.0	ND	90.4	80-120			
1,2,3-Trichlorobenzene	17	1.0	"	20.0	ND	85.4	80-120			
Total Trichloroethanes	39	1.0	"	40.0	ND	97.0	80-120			
Total Trihalomethanes	99	1.0	"	80.0	28	88.5	80-120			
Total Xylenes	58	1.0	"	60.0	ND	96.6	80-120			

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9C3137 - Organics

Matrix Spike (B9C3137-MS1)	Source: 19C2986-01			Prepared & Analyzed: 26-Mar-19						
Surrogate: 4-Bromofluorobenzene	4.7		ug/L	5.00		93.8	70-130			
Surrogate: 1,2-Dichlorobenzene-d4	4.5		"	5.00		90.8	70-130			

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Reported:
26-Mar-19 15:33

Notes and Definitions

Q QC did not meet ELI acceptance criteria
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
CLT Client Representative

DRAFT REPORT

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DRAFT REPORT, DATA SUBJECT TO CHANGE

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19C2990

Envirodyne Laboratories, Inc.
11011 Brooklet, Ste. 230
Houston, Texas 77099-3543
Phone (281)568-7880 - Fax (281)568-8004

E A244615

Page 1 Of 1

TCEQ Certification # T104704265

Name: Deer Park City of
Address: 2117 East X Street
City: Deer Park, TX 77536
Contact: Nichloas Cook
Phone: 832-421-7387 Fax:

Analysis Request and Chain of Custody Record

Project No.		Client/Project					ITC - Water Check		pH	D.O.	Temp.	Analysis Time
Lab ID No.	Field Sample No./ Identification	Date & Time	Grab	Comp	Sample Container (Size/Mat')	Sample Type (Liquid, Sludge, etc.)	Preservative	ANALYSIS REQUESTED				
	Raw Water	3-23-19 2130	✓		(3) 40ml VOA	Liquid	Ice	VOC 524.2 -				
	Raw Water	3-23-19 2130	✓		(4) 1 L/Amb	Liquid	Ice	SVOC 525.2 -				
	Finished Water	3-23-19 2130	✓		(3) 40ml VOA	Liquid	Ice	VOC 524.2 -				
	Finished Water	3-23-19 2130	✓		(4) 1 L/Amb	Liquid	Ice	SVOC 525.2 -				
	Trip Blank		✓		(2) 40ml VOA	Liquid	Ice	VOC 524.2				

Samplers: (Signature) <i>Jolo Knott</i>	Relinquished by: (Signature) <i>FRANK T WALKER</i>	Date: <i>3/25/19</i> Time: <i>1341</i>	Received by: (Signature) <i>R. MORTON</i>	Date: <i>3-25-19</i> Time: <i>1245</i>	Seal Intact?
Affiliation <i>City of Deer Park</i>	Relinquished by: (Signature) <i>R. MORTON</i>	Date: Time:	Received by: (Signature)	Date: Time:	Seal Intact?
Remarks:	FLOW: _____ Meter Reading: _____ Cl ₂ Residual: _____ Mn Correction: _____ Cl ₂ Corrected: _____	Arrival Temp. <i>3.0/22</i> <i>IR#4</i>	Data Results To: 1. Site Representative: <i>NJ Cook</i>	Date: <i>3/24/19</i> Time: <i>955</i>	Laboratory No.