



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

22 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 22-Mar-19 08:28. 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 14

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: 19C2704

Reported:
22-Mar-19 16:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Raw Water	19C2704-01	Water	21-Mar-19 16:41	22-Mar-19 08:28
Finished Water	19C2704-02	Water	21-Mar-19 16:30	22-Mar-19 08:28

DRAFT REPORT

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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C2704

Reported:
 22-Mar-19 16:02

Raw Water
19C2704-01 (Water) Sampled: 21-Mar-19 16:41

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	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Chloromethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Vinyl Chloride	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Bromomethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Chloroethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Trichlorofluoromethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Diethyl ether	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
1,1-Dichloroethene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Carbon Disulfide	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Methylene Chloride	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
MTBE (Methyl tert-butyl ether)	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
trans-1,2-Dichloroethene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
1,1-Dichloroethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
2,2-Dichloropropane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
cis-1,2-Dichloroethene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Bromochloromethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Chloroform	15	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
1,2-Dichloroethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Methyl Acrylate	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Tetrahydrofuran	<5.0	5.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Carbon Tetrachloride	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
1,1-Dichloropropene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Benzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Trichloroethene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
1,2-Dichloropropane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Methyl methacrylate	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Dibromomethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Bromodichloromethane	5.9	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	

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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C2704

Reported:
 22-Mar-19 16:02

Raw Water
19C2704-01 (Water) Sampled: 21-Mar-19 16:41

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	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Dibromochloromethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
1,2-Dibromoethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Toluene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Tetrachloroethene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
1,3-Dichloropropane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Chlorobenzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Ethylbenzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
m,p-Xylene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
o-Xylene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Styrene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Bromoform	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Isopropylbenzene (Cumene)	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Bromobenzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
n-Propylbenzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
2-Chlorotoluene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
1,3,5-Trimethylbenzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
4-Chlorotoluene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
tert-butyl Benzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
1,2,4-Trimethylbenzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
sec-butyl Benzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
p-Isopropyltoluene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
1,3-Dichlorobenzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
n-butyl Benzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	

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Project: Deer Park, City of - ITC Water Check
Work Order: 19C2704

Reported:
 22-Mar-19 16:02

Raw Water
19C2704-01 (Water) Sampled: 21-Mar-19 16:41

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	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Hexachlorobutadiene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Naphthalene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
1,2,3-Trichlorobenzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Total Trichloroethanes	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Total Trihalomethanes	21	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
Total Xylenes	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
<i>Surrogate: 4-Bromofluorobenzene</i>		78.4 %		70-130	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>		91.8 %		70-130	B9C2858	22-Mar-19	22-Mar-19 14:03	EPA 524.2	BPC	

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Project: Deer Park, City of - ITC Water Check
Work Order: 19C2704

Reported:
 22-Mar-19 16:02

Finished Water
19C2704-02 (Water) Sampled: 21-Mar-19 16:30

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	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Chloromethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Vinyl Chloride	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Bromomethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Chloroethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Trichlorofluoromethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Diethyl ether	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
1,1-Dichloroethene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Carbon Disulfide	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Methylene Chloride	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
MTBE (Methyl tert-butyl ether)	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
trans-1,2-Dichloroethene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
1,1-Dichloroethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
2,2-Dichloropropane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
cis-1,2-Dichloroethene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Bromochloromethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Chloroform	17	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
1,2-Dichloroethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Methyl Acrylate	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Tetrahydrofuran	<5.0	5.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Carbon Tetrachloride	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
1,1-Dichloropropene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Benzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Trichloroethene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
1,2-Dichloropropane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Methyl methacrylate	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Dibromomethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Bromodichloromethane	6.3	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	

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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C2704

Reported:
 22-Mar-19 16:02

Finished Water
19C2704-02 (Water) Sampled: 21-Mar-19 16:30

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	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Dibromochloromethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
1,2-Dibromoethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Toluene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Tetrachloroethene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
1,3-Dichloropropane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Chlorobenzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Ethylbenzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
m,p-Xylene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
o-Xylene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Styrene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Bromoform	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Isopropylbenzene (Cumene)	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
trans-1,4-Dichloro-2-butene	<5.0	5.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Bromobenzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
n-Propylbenzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
2-Chlorotoluene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
1,3,5-Trimethylbenzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
4-Chlorotoluene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
tert-butyl Benzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
1,2,4-Trimethylbenzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
sec-butyl Benzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
p-Isopropyltoluene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
1,3-Dichlorobenzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
n-butyl Benzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	

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: 19C2704

Reported:
 22-Mar-19 16:02

Finished Water
19C2704-02 (Water) Sampled: 21-Mar-19 16:30

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	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Hexachlorobutadiene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Naphthalene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
1,2,3-Trichlorobenzene	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Total Trichloroethanes	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Total Trihalomethanes	23	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
Total Xylenes	<1.0	1.0	ug/L	1	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
<i>Surrogate: 4-Bromofluorobenzene</i>		75.0 %		70-130	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>		84.8 %		70-130	B9C2858	22-Mar-19	22-Mar-19 14:58	EPA 524.2	BPC	

DRAFT REPORT

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Envirodyne Laboratories, Inc
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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C2704

Reported:
 22-Mar-19 16:02

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 B9C2858 - Organics										
Blank (B9C2858-BLK1)				Prepared & Analyzed: 22-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	<5.0	5.0	"							
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	"							

DRAFT REPORT

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Envirodyne Laboratories, Inc
 11011 Brooklet Dr., # 230
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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C2704

Reported:
 22-Mar-19 16:02

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 B9C2858 - Organics

Blank (B9C2858-BLK1)

Prepared & Analyzed: 22-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	<5.0	5.0	"							
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	Reported:	22-Mar-19 16:02
Project:	Deer Park, City of - ITC Water Check		
Work Order:	19C2704		

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 B9C2858 - Organics

Blank (B9C2858-BLK1)		Prepared & Analyzed: 22-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>	3.9		"	5.00		78.8	70-130			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	4.2		"	5.00		84.2	70-130			

LCS (B9C2858-BS1)		Prepared & Analyzed: 22-Mar-19								
Dichlorodifluoromethane	20	1.0	ug/L	20.0		100	80-120			
Chloromethane	23	1.0	"	20.0		117	80-120			
Vinyl Chloride	27	1.0	"	20.0		135	80-120			Q
Bromomethane	23	1.0	"	20.0		114	80-120			
Chloroethane	21	1.0	"	20.0		104	80-120			
Trichlorofluoromethane	19	1.0	"	20.0		97.2	80-120			
Diethyl ether	23	1.0	"	20.0		114	80-120			
1,1-Dichloroethene	24	1.0	"	20.0		119	80-120			
Carbon Disulfide	21	1.0	"	20.0		106	80-120			
Methylene Chloride	21	1.0	"	20.0		107	80-120			
MTBE (Methyl tert-butyl ether)	23	1.0	"	20.0		117	80-120			
trans-1,2-Dichloroethene	23	1.0	"	20.0		114	80-120			
1,1-Dichloroethane	22	1.0	"	20.0		110	80-120			
2,2-Dichloropropane	24	1.0	"	20.0		119	80-120			
cis-1,2-Dichloroethene	23	1.0	"	20.0		115	80-120			
Bromochloromethane	22	1.0	"	20.0		109	80-120			
Chloroform	22	1.0	"	20.0		108	80-120			
1,2-Dichloroethane	24	1.0	"	20.0		118	80-120			
1,1,1-Trichloroethane	24	1.0	"	20.0		118	80-120			
Methyl Acrylate	23	1.0	"	20.0		117	80-120			
Tetrahydrofuran	24	5.0	"	20.0		120	80-120			Q
Carbon Tetrachloride	23	1.0	"	20.0		117	80-120			
1,1-Dichloropropene	24	1.0	"	20.0		122	80-120			Q

DRAFT REPORT

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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C2704

Reported:
 22-Mar-19 16:02

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 B9C2858 - Organics

LCS (B9C2858-BS1)		Prepared & Analyzed: 22-Mar-19								
Benzene	23	1.0	ug/L	20.0		114	80-120			
Trichloroethene	23	1.0	"	20.0		115	80-120			
1,2-Dichloropropane	21	1.0	"	20.0		107	80-120			
Methyl methacrylate	24	1.0	"	20.0		118	80-120			
Dibromomethane	24	1.0	"	20.0		119	80-120			
Bromodichloromethane	23	1.0	"	20.0		114	80-120			
cis-1,3-Dichloropropene	23	1.0	"	20.0		116	80-120			
trans-1,3-Dichloropropene	23	1.0	"	20.0		116	80-120			
1,1,2-Trichloroethane	23	1.0	"	20.0		115	80-120			
Dibromochloromethane	23	1.0	"	20.0		113	80-120			
1,2-Dibromoethane	22	1.0	"	20.0		111	80-120			
Toluene	21	1.0	"	20.0		106	80-120			
Tetrachloroethene	22	1.0	"	20.0		111	80-120			
1,3-Dichloropropane	23	1.0	"	20.0		115	80-120			
Chlorobenzene	20	1.0	"	20.0		97.6	80-120			
1,1,1,2-Tetrachloroethane	22	1.0	"	20.0		112	80-120			
Ethylbenzene	24	1.0	"	20.0		122	80-120			Q
m,p-Xylene	47	1.0	"	40.0		118	80-120			
o-Xylene	23	1.0	"	20.0		114	80-120			
Styrene	23	1.0	"	20.0		113	80-120			
Bromoform	24	1.0	"	20.0		118	80-120			
Isopropylbenzene (Cumene)	23	1.0	"	20.0		117	80-120			
1,1,2,2-Tetrachloroethane	23	1.0	"	20.0		116	80-120			
trans-1,4-Dichloro-2-butene	24	5.0	"	20.0		118	80-120			
1,2,3-Trichloropropane	24	1.0	"	20.0		118	80-120			
Bromobenzene	22	1.0	"	20.0		111	80-120			
n-Propylbenzene	24	1.0	"	20.0		118	80-120			
2-Chlorotoluene	23	1.0	"	20.0		114	80-120			
1,3,5-Trimethylbenzene	22	1.0	"	20.0		112	80-120			
4-Chlorotoluene	24	1.0	"	20.0		118	80-120			
tert-butyl Benzene	23	1.0	"	20.0		113	80-120			
1,2,4-Trimethylbenzene	22	1.0	"	20.0		111	80-120			

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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C2704

Reported:
 22-Mar-19 16:02

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 B9C2858 - Organics

LCS (B9C2858-BS1)		Prepared & Analyzed: 22-Mar-19								
sec-butyl Benzene	20	1.0	ug/L	20.0		102	80-120			
p-Isopropyltoluene	22	1.0	"	20.0		111	80-120			
1,3-Dichlorobenzene	22	1.0	"	20.0		110	80-120			
1,4-Dichlorobenzene	22	1.0	"	20.0		109	80-120			
n-butyl Benzene	23	1.0	"	20.0		113	80-120			
1,2-Dichlorobenzene	22	1.0	"	20.0		109	80-120			
1,2-Dibromo-3-chloropropane	23	1.0	"	20.0		116	80-120			
1,2,4-Trichlorobenzene	21	1.0	"	20.0		103	80-120			
Hexachlorobutadiene	21	1.0	"	20.0		105	80-120			
Naphthalene	23	1.0	"	20.0		117	80-120			
1,2,3-Trichlorobenzene	21	1.0	"	20.0		106	80-120			
Total Trichloroethanes	47	1.0	"	40.0		117	80-120			
Total Trihalomethanes	91	1.0	"	80.0		113	80-120			
Total Xylenes	70	1.0	"	60.0		117	80-120			
Surrogate: 4-Bromofluorobenzene	5.0		"	5.00		100	70-130			
Surrogate: 1,2-Dichlorobenzene-d4	5.2		"	5.00		105	70-130			

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: 19C2704

Reported:
22-Mar-19 16:02

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

Page 14 of 15



19C2704

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

E A244509

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							pH	D.O.	Temp.	Analysis Time
		ITC - Water Check										
Lab ID No.	Field Sample No./ Identification	Date & Time	Grab	Comp	Sample Container (Size/Mat'l)	Sample Type (Liquid, Sludge, etc.)	Preservative	ANALYSIS REQUESTED				
	Raw Water KC 3-21-19 1641	3-21-19 1630	✓		(3) 40ml VOA	Liquid	Ice	VOC 524.2 ✓				
	Raw Water	↓	✓		(4) 1 L/Amb	Liquid	Ice	SVOC 525.2 ✓				
	Finished Water	3-21-19 1630	✓		(3) 40ml VOA	Liquid	Ice	VOC 524.2 ✓				
	Finished Water	↓	✓		(4) 1 L/Amb	Liquid	Ice	SVOC 525.2 ✓				
	Trip Blank	↓	✓		(2) 40ml VOA	Liquid	Ice	VOC 524.2 ✓				

Samplers: (Signature) <i>KC</i>	Relinquished by: (Signature) <i>KC</i>	Date: 3-21-19 Time: 0828	Received by: (Signature) <i>KR</i>	Date: Time:	Seal Intact?
Affiliation <i>ELI</i>	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Seal Intact?
Remarks:	Relinquished by: (Signature)	Date: Time:	Received by Lab: (Signature) <i>KR</i>	Date: 3/22/19 Time: 0528	Seal Intact?
FLOW: _____ Meter Reading: _____ Cl ₂ Residual: _____ Mn Correction: _____ Cl ₂ Corrected: _____	Arrival Temp. 5.0/4.2 12 AM	Data Results To: 1.	Site Representative: <i>Nichloas Cook</i>	Date: 3/21/19 Time: 1701	Laboratory No.