



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 22-Mar-19 14:05. 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 19

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:** 19C2881

**Reported:**  
26-Mar-19 15:30

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Finished Water	19C2881-01	Water	22-Mar-19 10:14	22-Mar-19 14:05
Raw Water	19C2881-02	Water	22-Mar-19 10:23	22-Mar-19 14:05

C-Chloromethane and Vinyl Chloride were bias high in the Continuing Calibration (CCV). Compounds were not detected in the samples.

Dichlorodifluoromethane was bias high in the Blank Spike(LCS). Compound was not detected in the samples.

DRAFT REPORT

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DRAFT REPORT, DATA SUBJECT TO CHANGE

Page 2 of 20



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**Project:** Deer Park, City of - ITC Water Check  
**Work Order:** 19C2881

**Reported:**  
 26-Mar-19 15:30

**Finished Water**  
**19C2881-01 (Water) Sampled: 22-Mar-19 10:14**

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	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	Q
Chloromethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	C
Vinyl Chloride	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	C
Bromomethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Chloroethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Trichlorofluoromethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Diethyl ether	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
1,1-Dichloroethene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Carbon Disulfide	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Methylene Chloride	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
MTBE (Methyl tert-butyl ether)	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
trans-1,2-Dichloroethene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
1,1-Dichloroethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
2,2-Dichloropropane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
cis-1,2-Dichloroethene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Bromochloromethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
<b>Chloroform</b>	<b>19</b>	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
1,2-Dichloroethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Methyl Acrylate	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Tetrahydrofuran	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Carbon Tetrachloride	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
1,1-Dichloropropene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Benzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Trichloroethene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
1,2-Dichloropropane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Methyl methacrylate	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Dibromomethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
<b>Bromodichloromethane</b>	<b>6.7</b>	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	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:** 19C2881

**Reported:**  
 26-Mar-19 15:30

**Finished Water**  
**19C2881-01 (Water) Sampled: 22-Mar-19 10:14**

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	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
<b>Dibromochloromethane</b>	<b>1.1</b>	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
1,2-Dibromoethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Toluene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Tetrachloroethene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
1,3-Dichloropropane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Chlorobenzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Ethylbenzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
m,p-Xylene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
o-Xylene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Styrene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Bromoform	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Isopropylbenzene (Cumene)	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
trans-1,4-Dichloro-2-butene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Bromobenzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
n-Propylbenzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
2-Chlorotoluene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
1,3,5-Trimethylbenzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
4-Chlorotoluene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
tert-butyl Benzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
1,2,4-Trimethylbenzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
sec-butyl Benzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
p-Isopropyltoluene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
1,3-Dichlorobenzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
n-butyl Benzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	

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**Work Order:** 19C2881

**Reported:**  
 26-Mar-19 15:30

**Finished Water**  
**19C2881-01 (Water) Sampled: 22-Mar-19 10:14**

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	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Hexachlorobutadiene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Naphthalene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
1,2,3-Trichlorobenzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Total Trichloroethanes	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
<b>Total Trihalomethanes</b>	<b>26</b>	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
Total Xylenes	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
<i>Surrogate: 4-Bromofluorobenzene</i>		74.0 %		70-130	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>		84.4 %		70-130	B9C2920	23-Mar-19	23-Mar-19 13:49	EPA 524.2	BPC	

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**Work Order:** 19C2881

**Reported:**  
 26-Mar-19 15:30

**Raw Water**  
**19C2881-02 (Water) Sampled: 22-Mar-19 10:23**

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	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	Q
Chloromethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	C
Vinyl Chloride	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	C
Bromomethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Chloroethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Trichlorofluoromethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Diethyl ether	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
1,1-Dichloroethene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Carbon Disulfide	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Methylene Chloride	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
MTBE (Methyl tert-butyl ether)	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
trans-1,2-Dichloroethene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
1,1-Dichloroethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
2,2-Dichloropropane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
cis-1,2-Dichloroethene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Bromochloromethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
<b>Chloroform</b>	<b>17</b>	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
1,2-Dichloroethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Methyl Acrylate	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Tetrahydrofuran	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Carbon Tetrachloride	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
1,1-Dichloropropene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Benzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Trichloroethene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
1,2-Dichloropropane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Methyl methacrylate	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Dibromomethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
<b>Bromodichloromethane</b>	<b>5.7</b>	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	

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**Project:** Deer Park, City of - ITC Water Check  
**Work Order:** 19C2881

**Reported:**  
 26-Mar-19 15:30

**Raw Water**  
**19C2881-02 (Water) Sampled: 22-Mar-19 10:23**

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	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Dibromochloromethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
1,2-Dibromoethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Toluene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Tetrachloroethene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
1,3-Dichloropropane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Chlorobenzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Ethylbenzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
m,p-Xylene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
o-Xylene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Styrene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Bromoform	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Isopropylbenzene (Cumene)	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
trans-1,4-Dichloro-2-butene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Bromobenzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
n-Propylbenzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
2-Chlorotoluene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
1,3,5-Trimethylbenzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
4-Chlorotoluene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
tert-butyl Benzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
1,2,4-Trimethylbenzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
sec-butyl Benzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
p-Isopropyltoluene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
1,3-Dichlorobenzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
n-butyl Benzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	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:** 19C2881

**Reported:**  
 26-Mar-19 15:30

**Raw Water**  
**19C2881-02 (Water) Sampled: 22-Mar-19 10:23**

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	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Hexachlorobutadiene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Naphthalene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
1,2,3-Trichlorobenzene	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Total Trichloroethanes	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
<b>Total Trihalomethanes</b>	<b>23</b>	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
Total Xylenes	<1.0	1.0	ug/L	1	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
<i>Surrogate: 4-Bromofluorobenzene</i>		73.6 %		70-130	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>		81.4 %		70-130	B9C2920	23-Mar-19	25-Mar-19 13:22	EPA 524.2	BPC	

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**Project:** Deer Park, City of - ITC Water Check  
**Work Order:** 19C2881

**Reported:**  
 26-Mar-19 15:30

**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
<b>Batch B9C2920 - Organics</b>										
<b>Blank (B9C2920-BLK1)</b>										
Prepared & Analyzed: 23-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	"							

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**Project:** Deer Park, City of - ITC Water Check  
**Work Order:** 19C2881

**Reported:**  
 26-Mar-19 15:30

**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 B9C2920 - Organics**

**Blank (B9C2920-BLK1)**

Prepared & Analyzed: 23-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	"							

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**Project:** Deer Park, City of - ITC Water Check  
**Work Order:** 19C2881

**Reported:**  
 26-Mar-19 15:30

**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 B9C2920 - Organics**

<b>Blank (B9C2920-BLK1)</b>			Prepared & Analyzed: 23-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>	4.4		"	5.00		88.0	70-130			

<b>LCS (B9C2920-BS1)</b>			Prepared & Analyzed: 23-Mar-19							
Dichlorodifluoromethane	16	1.0	ug/L	20.0		78.0	80-120			Q
Chloromethane	19	1.0	"	20.0		96.8	80-120			
Vinyl Chloride	21	1.0	"	20.0		106	80-120			
Bromomethane	18	1.0	"	20.0		92.5	80-120			
Chloroethane	18	1.0	"	20.0		90.3	80-120			
Trichlorofluoromethane	16	1.0	"	20.0		80.8	80-120			
Diethyl ether	18	1.0	"	20.0		89.3	80-120			
1,1-Dichloroethene	19	1.0	"	20.0		94.4	80-120			
Carbon Disulfide	16	1.0	"	20.0		81.9	80-120			
Methylene Chloride	19	1.0	"	20.0		94.4	80-120			
MTBE (Methyl tert-butyl ether)	18	1.0	"	20.0		90.2	80-120			
trans-1,2-Dichloroethene	19	1.0	"	20.0		94.0	80-120			
1,1-Dichloroethane	18	1.0	"	20.0		91.4	80-120			
2,2-Dichloropropane	20	1.0	"	20.0		99.6	80-120			
cis-1,2-Dichloroethene	19	1.0	"	20.0		94.4	80-120			
Bromochloromethane	18	1.0	"	20.0		90.2	80-120			
Chloroform	18	1.0	"	20.0		92.1	80-120			
1,2-Dichloroethane	20	1.0	"	20.0		98.3	80-120			
1,1,1-Trichloroethane	20	1.0	"	20.0		99.2	80-120			
Methyl Acrylate	19	1.0	"	20.0		94.2	80-120			
Tetrahydrofuran	20	5.0	"	20.0		99.4	80-120			
Carbon Tetrachloride	20	1.0	"	20.0		97.8	80-120			
1,1-Dichloropropene	20	1.0	"	20.0		102	80-120			

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**Work Order:** 19C2881

**Reported:**  
 26-Mar-19 15:30

**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 B9C2920 - Organics**

<b>LCS (B9C2920-BS1)</b>		Prepared & Analyzed: 23-Mar-19								
Benzene	19	1.0	ug/L	20.0		94.8	80-120			
Trichloroethene	19	1.0	"	20.0		94.8	80-120			
1,2-Dichloropropane	18	1.0	"	20.0		89.6	80-120			
Methyl methacrylate	18	1.0	"	20.0		90.5	80-120			
Dibromomethane	19	1.0	"	20.0		95.2	80-120			
Bromodichloromethane	19	1.0	"	20.0		92.6	80-120			
cis-1,3-Dichloropropene	18	1.0	"	20.0		91.2	80-120			
trans-1,3-Dichloropropene	18	1.0	"	20.0		90.8	80-120			
1,1,2-Trichloroethane	19	1.0	"	20.0		97.2	80-120			
Dibromochloromethane	18	1.0	"	20.0		90.0	80-120			
1,2-Dibromoethane	18	1.0	"	20.0		89.4	80-120			
Toluene	18	1.0	"	20.0		88.2	80-120			
Tetrachloroethene	19	1.0	"	20.0		94.4	80-120			
1,3-Dichloropropane	19	1.0	"	20.0		93.9	80-120			
Chlorobenzene	16	1.0	"	20.0		80.0	80-120			
1,1,1,2-Tetrachloroethane	19	1.0	"	20.0		92.6	80-120			
Ethylbenzene	21	1.0	"	20.0		103	80-120			
m,p-Xylene	40	1.0	"	40.0		101	80-120			
o-Xylene	19	1.0	"	20.0		95.6	80-120			
Styrene	19	1.0	"	20.0		94.2	80-120			
Bromoform	18	1.0	"	20.0		89.2	80-120			
Isopropylbenzene (Cumene)	20	1.0	"	20.0		99.4	80-120			
1,1,2,2-Tetrachloroethane	19	1.0	"	20.0		96.2	80-120			
trans-1,4-Dichloro-2-butene	18	5.0	"	20.0		89.4	80-120			
1,2,3-Trichloropropane	19	1.0	"	20.0		95.7	80-120			
Bromobenzene	18	1.0	"	20.0		91.2	80-120			
n-Propylbenzene	20	1.0	"	20.0		102	80-120			
2-Chlorotoluene	19	1.0	"	20.0		96.8	80-120			
1,3,5-Trimethylbenzene	19	1.0	"	20.0		97.0	80-120			
4-Chlorotoluene	20	1.0	"	20.0		99.8	80-120			
tert-butyl Benzene	20	1.0	"	20.0		97.7	80-120			
1,2,4-Trimethylbenzene	19	1.0	"	20.0		95.0	80-120			

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**Work Order:** 19C2881

**Reported:**  
 26-Mar-19 15:30

**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 B9C2920 - Organics**

<b>LCS (B9C2920-BS1)</b>		Prepared & Analyzed: 23-Mar-19								
sec-butyl Benzene	18	1.0	ug/L	20.0		89.6	80-120			
p-Isopropyltoluene	19	1.0	"	20.0		97.0	80-120			
1,3-Dichlorobenzene	19	1.0	"	20.0		93.6	80-120			
1,4-Dichlorobenzene	18	1.0	"	20.0		92.4	80-120			
n-butyl Benzene	20	1.0	"	20.0		98.6	80-120			
1,2-Dichlorobenzene	19	1.0	"	20.0		92.6	80-120			
1,2-Dibromo-3-chloropropane	19	1.0	"	20.0		93.8	80-120			
1,2,4-Trichlorobenzene	17	1.0	"	20.0		87.0	80-120			
Hexachlorobutadiene	18	1.0	"	20.0		92.0	80-120			
Naphthalene	18	1.0	"	20.0		90.7	80-120			
1,2,3-Trichlorobenzene	18	1.0	"	20.0		88.1	80-120			
Total Trichloroethanes	39	1.0	"	40.0		98.2	80-120			
Total Trihalomethanes	73	1.0	"	80.0		91.0	80-120			
Total Xylenes	59	1.0	"	60.0		99.1	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>4.8</i>		<i>"</i>	<i>5.00</i>		<i>96.0</i>	<i>70-130</i>			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>5.4</i>		<i>"</i>	<i>5.00</i>		<i>107</i>	<i>70-130</i>			

<b>LCS Dup (B9C2920-BSD1)</b>		Prepared: 23-Mar-19 Analyzed: 25-Mar-19								
Dichlorodifluoromethane	16	1.0	ug/L	20.0		80.6	80-120	3.34	20	
Chloromethane	21	1.0	"	20.0		104	80-120	6.93	20	
Vinyl Chloride	23	1.0	"	20.0		115	80-120	8.42	20	
Bromomethane	22	1.0	"	20.0		108	80-120	15.6	20	
Chloroethane	20	1.0	"	20.0		98.6	80-120	8.79	20	
Trichlorofluoromethane	18	1.0	"	20.0		88.8	80-120	9.38	20	
Diethyl ether	21	1.0	"	20.0		104	80-120	15.1	20	
1,1-Dichloroethene	21	1.0	"	20.0		107	80-120	12.3	20	
Carbon Disulfide	19	1.0	"	20.0		95.0	80-120	14.8	20	
Methylene Chloride	21	1.0	"	20.0		105	80-120	10.5	20	
MTBE (Methyl tert-butyl ether)	22	1.0	"	20.0		108	80-120	17.8	20	
trans-1,2-Dichloroethene	21	1.0	"	20.0		105	80-120	10.8	20	
1,1-Dichloroethane	20	1.0	"	20.0		102	80-120	10.8	20	
2,2-Dichloropropane	23	1.0	"	20.0		113	80-120	12.3	20	

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**Project:** Deer Park, City of - ITC Water Check  
**Work Order:** 19C2881

**Reported:**  
 26-Mar-19 15:30

**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 B9C2920 - Organics**

<b>LCS Dup (B9C2920-BSD1)</b>		Prepared: 23-Mar-19 Analyzed: 25-Mar-19								
cis-1,2-Dichloroethene	22	1.0	ug/L	20.0	108	80-120	13.8	20		
Bromochloromethane	21	1.0	"	20.0	104	80-120	14.7	20		
Chloroform	21	1.0	"	20.0	103	80-120	11.3	20		
1,2-Dichloroethane	22	1.0	"	20.0	111	80-120	12.4	20		
1,1,1-Trichloroethane	22	1.0	"	20.0	112	80-120	11.7	20		
Methyl Acrylate	22	1.0	"	20.0	108	80-120	13.4	20		
Tetrahydrofuran	22	1.0	"	20.0	108	80-120	7.92	20		
Carbon Tetrachloride	22	1.0	"	20.0	111	80-120	12.4	20		
1,1-Dichloropropene	23	1.0	"	20.0	114	80-120	11.0	20		
Benzene	21	1.0	"	20.0	105	80-120	10.7	20		
Trichloroethene	21	1.0	"	20.0	106	80-120	11.3	20		
1,2-Dichloropropane	20	1.0	"	20.0	101	80-120	11.7	20		
Methyl methacrylate	21	1.0	"	20.0	107	80-120	16.7	20		
Dibromomethane	22	1.0	"	20.0	110	80-120	14.3	20		
Bromodichloromethane	22	1.0	"	20.0	108	80-120	15.0	20		
cis-1,3-Dichloropropene	21	1.0	"	20.0	107	80-120	15.9	20		
trans-1,3-Dichloropropene	21	1.0	"	20.0	107	80-120	16.5	20		
1,1,2-Trichloroethane	22	1.0	"	20.0	110	80-120	12.7	20		
Dibromochloromethane	22	1.0	"	20.0	108	80-120	17.8	20		
1,2-Dibromoethane	21	1.0	"	20.0	106	80-120	16.8	20		
Toluene	20	1.0	"	20.0	98.2	80-120	10.7	20		
Tetrachloroethene	21	1.0	"	20.0	105	80-120	10.5	20		
1,3-Dichloropropane	21	1.0	"	20.0	107	80-120	13.3	20		
Chlorobenzene	18	1.0	"	20.0	91.8	80-120	13.7	20		
1,1,1,2-Tetrachloroethane	21	1.0	"	20.0	107	80-120	14.3	20		
Ethylbenzene	23	1.0	"	20.0	115	80-120	11.3	20		
m,p-Xylene	45	1.0	"	40.0	113	80-120	11.0	20		
o-Xylene	22	1.0	"	20.0	109	80-120	12.9	20		
Styrene	21	1.0	"	20.0	107	80-120	13.1	20		
Bromoform	22	1.0	"	20.0	108	80-120	18.8	20		
Isopropylbenzene (Cumene)	22	1.0	"	20.0	111	80-120	10.6	20		
1,1,2,2-Tetrachloroethane	22	1.0	"	20.0	110	80-120	12.9	20		

DRAFT REPORT

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 www.envirodyne.com

**Client:** Deer Park, City of  
**Project:** Deer Park, City of - ITC Water Check  
**Work Order:** 19C2881

**Reported:**  
 26-Mar-19 15:30

**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 B9C2920 - Organics**

<b>LCS Dup (B9C2920-BSD1)</b>		Prepared: 23-Mar-19 Analyzed: 25-Mar-19								
trans-1,4-Dichloro-2-butene	21	1.0	ug/L	20.0	106	80-120	16.9	20		
1,2,3-Trichloropropane	22	1.0	"	20.0	110	80-120	13.7	20		
Bromobenzene	21	1.0	"	20.0	105	80-120	13.7	20		
n-Propylbenzene	23	1.0	"	20.0	113	80-120	10.6	20		
2-Chlorotoluene	22	1.0	"	20.0	109	80-120	12.1	20		
1,3,5-Trimethylbenzene	22	1.0	"	20.0	110	80-120	12.1	20		
4-Chlorotoluene	22	1.0	"	20.0	112	80-120	11.9	20		
tert-butyl Benzene	22	1.0	"	20.0	110	80-120	11.4	20		
1,2,4-Trimethylbenzene	21	1.0	"	20.0	107	80-120	11.5	20		
sec-butyl Benzene	20	1.0	"	20.0	99.4	80-120	10.4	20		
p-Isopropyltoluene	22	1.0	"	20.0	108	80-120	10.4	20		
1,3-Dichlorobenzene	21	1.0	"	20.0	105	80-120	11.7	20		
1,4-Dichlorobenzene	21	1.0	"	20.0	105	80-120	12.6	20		
n-butyl Benzene	22	1.0	"	20.0	111	80-120	11.9	20		
1,2-Dichlorobenzene	21	1.0	"	20.0	106	80-120	13.2	20		
1,2-Dibromo-3-chloropropane	22	1.0	"	20.0	109	80-120	15.0	20		
1,2,4-Trichlorobenzene	20	1.0	"	20.0	99.4	80-120	13.4	20		
Hexachlorobutadiene	21	1.0	"	20.0	103	80-120	10.8	20		
Naphthalene	21	1.0	"	20.0	106	80-120	15.7	20		
1,2,3-Trichlorobenzene	20	1.0	"	20.0	101	80-120	13.6	20		
Total Trichloroethanes	44	1.0	"	40.0	111	80-120	12.2	20		
Total Trihalomethanes	85	1.0	"	80.0	107	80-120	15.7	20		
Total Xylenes	67	1.0	"	60.0	111	80-120	11.6	20		
Surrogate: 4-Bromofluorobenzene	5.1		"	5.00	101	70-130				
Surrogate: 1,2-Dichlorobenzene-d4	5.4		"	5.00	108	70-130				

<b>Matrix Spike (B9C2920-MS1)</b>		Source: 19C2881-01			Prepared & Analyzed: 23-Mar-19					
Dichlorodifluoromethane	13	1.0	ug/L	20.0	ND	65.2	80-120			Q
Chloromethane	21	1.0	"	20.0	ND	104	80-120			
Vinyl Chloride	20	1.0	"	20.0	ND	101	80-120			
Bromomethane	16	1.0	"	20.0	ND	78.8	80-120			Q
Chloroethane	16	1.0	"	20.0	ND	80.6	80-120			

DRAFT REPORT

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**Project:** Deer Park, City of - ITC Water Check  
**Work Order:** 19C2881

**Reported:**  
 26-Mar-19 15:30

**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 B9C2920 - Organics**

<b>Matrix Spike (B9C2920-MS1)</b>	<b>Source: 19C2881-01</b>			<b>Prepared &amp; Analyzed: 23-Mar-19</b>						
Trichlorofluoromethane	15	1.0	ug/L	20.0	ND	72.6	80-120			Q
Diethyl ether	16	1.0	"	20.0	ND	79.4	80-120			Q
1,1-Dichloroethene	17	1.0	"	20.0	ND	83.8	80-120			
Carbon Disulfide	14	1.0	"	20.0	ND	70.2	80-120			Q
Methylene Chloride	17	1.0	"	20.0	ND	82.8	80-120			
MTBE (Methyl tert-butyl ether)	16	1.0	"	20.0	ND	78.0	80-120			Q
trans-1,2-Dichloroethene	17	1.0	"	20.0	ND	84.8	80-120			
1,1-Dichloroethane	17	1.0	"	20.0	ND	82.6	80-120			
2,2-Dichloropropane	17	1.0	"	20.0	ND	84.7	80-120			
cis-1,2-Dichloroethene	17	1.0	"	20.0	ND	83.7	80-120			
Bromochloromethane	17	1.0	"	20.0	ND	85.1	80-120			
Chloroform	33	1.0	"	20.0	19	74.3	80-120			Q
1,2-Dichloroethane	18	1.0	"	20.0	ND	91.7	80-120			
1,1,1-Trichloroethane	18	1.0	"	20.0	ND	91.4	80-120			
Methyl Acrylate	17	1.0	"	20.0	ND	83.1	80-120			
Tetrahydrofuran	16	5.0	"	20.0	ND	82.2	80-120			
Carbon Tetrachloride	18	1.0	"	20.0	ND	89.8	80-120			
1,1-Dichloropropene	18	1.0	"	20.0	ND	89.3	80-120			
Benzene	17	1.0	"	20.0	ND	87.0	80-120			
Trichloroethene	17	1.0	"	20.0	ND	83.6	80-120			
1,2-Dichloropropane	16	1.0	"	20.0	ND	80.8	80-120			
Methyl methacrylate	16	1.0	"	20.0	ND	78.2	80-120			Q
Dibromomethane	19	1.0	"	20.0	ND	92.6	80-120			
Bromodichloromethane	24	1.0	"	20.0	6.7	86.0	80-120			
cis-1,3-Dichloropropene	16	1.0	"	20.0	ND	81.6	80-120			
trans-1,3-Dichloropropene	17	1.0	"	20.0	ND	83.4	80-120			
1,1,2-Trichloroethane	18	1.0	"	20.0	ND	89.2	80-120			
Dibromochloromethane	18	1.0	"	20.0	1.1	85.0	80-120			
1,2-Dibromoethane	17	1.0	"	20.0	ND	83.4	80-120			
Toluene	15	1.0	"	20.0	ND	76.8	80-120			Q
Tetrachloroethene	17	1.0	"	20.0	ND	87.0	80-120			
1,3-Dichloropropane	18	1.0	"	20.0	ND	87.6	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 B9C2920 - Organics**

<b>Matrix Spike (B9C2920-MS1)</b>	<b>Source: 19C2881-01</b>			<b>Prepared &amp; Analyzed: 23-Mar-19</b>						
Chlorobenzene	14	1.0	ug/L	20.0	ND	68.9	80-120			Q
1,1,1,2-Tetrachloroethane	17	1.0	"	20.0	ND	85.4	80-120			
Ethylbenzene	18	1.0	"	20.0	ND	90.8	80-120			
m,p-Xylene	36	1.0	"	40.0	ND	89.4	80-120			
o-Xylene	17	1.0	"	20.0	ND	84.6	80-120			
Styrene	17	1.0	"	20.0	ND	83.0	80-120			
Bromoform	17	1.0	"	20.0	ND	86.1	80-120			
Isopropylbenzene (Cumene)	17	1.0	"	20.0	ND	87.0	80-120			
1,1,2,2-Tetrachloroethane	18	1.0	"	20.0	ND	89.4	80-120			
trans-1,4-Dichloro-2-butene	17	5.0	"	20.0	ND	85.8	80-120			
1,2,3-Trichloropropane	18	1.0	"	20.0	ND	89.0	80-120			
Bromobenzene	16	1.0	"	20.0	ND	82.2	80-120			
n-Propylbenzene	18	1.0	"	20.0	ND	89.4	80-120			
2-Chlorotoluene	17	1.0	"	20.0	ND	87.0	80-120			
1,3,5-Trimethylbenzene	17	1.0	"	20.0	ND	86.1	80-120			
4-Chlorotoluene	18	1.0	"	20.0	ND	90.2	80-120			
tert-butyl Benzene	17	1.0	"	20.0	ND	83.9	80-120			
1,2,4-Trimethylbenzene	17	1.0	"	20.0	ND	84.2	80-120			
sec-butyl Benzene	15	1.0	"	20.0	ND	76.7	80-120			Q
p-Isopropyltoluene	17	1.0	"	20.0	ND	82.8	80-120			
1,3-Dichlorobenzene	17	1.0	"	20.0	ND	86.2	80-120			
1,4-Dichlorobenzene	17	1.0	"	20.0	ND	83.7	80-120			
n-butyl Benzene	16	1.0	"	20.0	ND	82.3	80-120			
1,2-Dichlorobenzene	17	1.0	"	20.0	ND	85.8	80-120			
1,2-Dibromo-3-chloropropane	17	1.0	"	20.0	ND	84.4	80-120			
1,2,4-Trichlorobenzene	14	1.0	"	20.0	ND	70.4	80-120			Q
Hexachlorobutadiene	16	1.0	"	20.0	ND	78.4	80-120			Q
Naphthalene	14	1.0	"	20.0	ND	72.4	80-120			Q
1,2,3-Trichlorobenzene	15	1.0	"	20.0	ND	73.6	80-120			Q
Total Trichloroethanes	36	1.0	"	40.0	ND	90.3	80-120			
Total Trihalomethanes	85	1.0	"	80.0	26	73.3	80-120			
Total Xylenes	53	1.0	"	60.0	ND	87.8	80-120			

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**Envirodyne Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B9C2920 - Organics**

Matrix Spike (B9C2920-MS1)	Source: 19C2881-01	Prepared & Analyzed: 23-Mar-19
Surrogate: 4-Bromofluorobenzene	5.0	ug/L 5.00 100 70-130
Surrogate: 1,2-Dichlorobenzene-d4	5.7	" 5.00 115 70-130

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**Reported:**  
26-Mar-19 15:30

### Notes and Definitions

Q QC did not meet ELI acceptance criteria  
C Refer to sample comments  
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

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DRAFT REPORT

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DRAFT REPORT, DATA SUBJECT TO CHANGE

Page 19 of 20



1902881

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

E A244511

Page \_\_\_\_\_ Of \_\_\_\_\_

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				
	<del>Raw Water</del> FINISHED TDC 3/22	3/22/19 10:14	✓		(3) 40ml VOA	Liquid	Ice	VOC 524.2	-			
	<del>Raw Water</del> FINISHED TDC 3/22	3/22/19 10:11	✓		(4) 1 L/Amb	Liquid	Ice	SVOC 525.2	-			
	<del>Finished Water</del> RAW TDC 3/22	3/22/19 10:23			(3) 40ml VOA	Liquid	Ice	VOC 524.2	-			
	<del>Finished Water</del> RAW TDC 3/22	3/22/19 10:20			(4) 1 L/Amb	Liquid	Ice	SVOC 525.2	-			
	Trip Blank				(2) 40ml VOA	Liquid	Ice	VOC 524.2				

Samplers: (Signature) <i>NZ Cook</i>	Relinquished by: (Signature) <i>FRANK T WALKER</i>	Date: 3/22/19 Time: 12:13	Received by: (Signature) <i>R. MORTON</i>	Date: 3/22/19 Time: 12:13	Seal Intact?
Affiliation	Relinquished by: (Signature)	Date:	Received by: (Signature)	Date:	Seal Intact?
City of Deer Park	Relinquished by: (Signature) <i>R. Morton</i>	Date: 3-22-19 Time: 1405	Received by Lab: (Signature) <i>[Signature]</i>	Date: 3/22/19 Time: 1405	Seal Intact?
Remarks: Changed names on preprinted labels to correct sampling location error. TDC 3/22	FLOW: _____ Meter Reading: _____ Cl <sub>2</sub> Residual: _____ Mn Correction: _____ Cl <sub>2</sub> Corrected: _____	Arrival Temp. 3-813.0 (RTH)	Data Results To: 1. _____ Site Representative: <i>NZ Cook</i>	Date: 3/22/19 Time: 10:50	Laboratory No.