



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

29 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 27-Mar-19 14:50. 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: 19C3355

Reported:
29-Mar-19 08:15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Raw Water	19C3355-01	Water	27-Mar-19 09:45	27-Mar-19 14:50
Finished Water	19C3355-02	Water	27-Mar-19 09:30	27-Mar-19 14:50
trip blank	19C3355-03	Water	27-Mar-19 00:00	27-Mar-19 14:50

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: 19C3355

Reported:
 29-Mar-19 08:15

Raw Water

19C3355-01 (Water) Sampled: 27-Mar-19 09:45

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	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Chloromethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Vinyl Chloride	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Bromomethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Chloroethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Trichlorofluoromethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Diethyl ether	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
1,1-Dichloroethene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Carbon Disulfide	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Methylene Chloride	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
MTBE (Methyl tert-butyl ether)	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
trans-1,2-Dichloroethene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
1,1-Dichloroethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
2,2-Dichloropropane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
cis-1,2-Dichloroethene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Bromochloromethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Chloroform	17	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
1,2-Dichloroethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Methyl Acrylate	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Tetrahydrofuran	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Carbon Tetrachloride	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
1,1-Dichloropropene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Benzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Trichloroethene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
1,2-Dichloropropane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Methyl methacrylate	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Dibromomethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Bromodichloromethane	5.7	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	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: 19C3355

Reported:
 29-Mar-19 08:15

Raw Water

19C3355-01 (Water) Sampled: 27-Mar-19 09:45

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	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Dibromochloromethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
1,2-Dibromoethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Toluene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Tetrachloroethene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
1,3-Dichloropropane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Chlorobenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Ethylbenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
m,p-Xylene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
o-Xylene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Styrene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Bromoform	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Isopropylbenzene (Cumene)	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
trans-1,4-Dichloro-2-butene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Bromobenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
n-Propylbenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
2-Chlorotoluene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
1,3,5-Trimethylbenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
4-Chlorotoluene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
tert-butyl Benzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
1,2,4-Trimethylbenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
sec-butyl Benzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
p-Isopropyltoluene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
1,3-Dichlorobenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
n-butyl Benzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	

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Work Order: 19C3355

Reported:
 29-Mar-19 08:15

Raw Water

19C3355-01 (Water) Sampled: 27-Mar-19 09:45

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	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Hexachlorobutadiene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Naphthalene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
1,2,3-Trichlorobenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Total Trichloroethanes	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Total Trihalomethanes	23	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
Total Xylenes	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
<i>Surrogate: 4-Bromofluorobenzene</i>		91.0 %		70-130	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>		89.8 %		70-130	B9C3424	27-Mar-19	27-Mar-19 17:47	EPA 524.2	BPC	

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Client: Deer Park, City of
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Work Order: 19C3355

Reported:
 29-Mar-19 08:15

Finished Water
19C3355-02 (Water) Sampled: 27-Mar-19 09:30

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	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Chloromethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Vinyl Chloride	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Bromomethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Chloroethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Trichlorofluoromethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Diethyl ether	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
1,1-Dichloroethene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Carbon Disulfide	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Methylene Chloride	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
MTBE (Methyl tert-butyl ether)	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
trans-1,2-Dichloroethene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
1,1-Dichloroethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
2,2-Dichloropropane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
cis-1,2-Dichloroethene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Bromochloromethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Chloroform	16	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
1,2-Dichloroethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Methyl Acrylate	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Tetrahydrofuran	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Carbon Tetrachloride	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
1,1-Dichloropropene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Benzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Trichloroethene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
1,2-Dichloropropane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Methyl methacrylate	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Dibromomethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Bromodichloromethane	5.7	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	

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Work Order: 19C3355

Reported:
 29-Mar-19 08:15

Finished Water
19C3355-02 (Water) Sampled: 27-Mar-19 09:30

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	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Dibromochloromethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
1,2-Dibromoethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Toluene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Tetrachloroethene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
1,3-Dichloropropane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Chlorobenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Ethylbenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
m,p-Xylene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
o-Xylene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Styrene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Bromoform	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Isopropylbenzene (Cumene)	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
trans-1,4-Dichloro-2-butene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Bromobenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
n-Propylbenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
2-Chlorotoluene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
1,3,5-Trimethylbenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
4-Chlorotoluene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
tert-butyl Benzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
1,2,4-Trimethylbenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
sec-butyl Benzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
p-Isopropyltoluene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
1,3-Dichlorobenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
n-butyl Benzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	

DRAFT REPORT

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Envirodyne Laboratories, Inc
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 Houston, TX 77099
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 www.envirodyne.com

Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C3355

Reported:
 29-Mar-19 08:15

Finished Water
19C3355-02 (Water) Sampled: 27-Mar-19 09:30

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	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Hexachlorobutadiene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Naphthalene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
1,2,3-Trichlorobenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Total Trichloroethanes	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Total Trihalomethanes	21	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
Total Xylenes	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.4 %		70-130	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>		89.2 %		70-130	B9C3424	27-Mar-19	27-Mar-19 18:13	EPA 524.2	BPC	

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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C3355

Reported:
 29-Mar-19 08:15

trip blank
19C3355-03 (Water) Sampled: 27-Mar-19 00:00

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	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Chloromethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Vinyl Chloride	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Bromomethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Chloroethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Trichlorofluoromethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Diethyl ether	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
1,1-Dichloroethene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Carbon Disulfide	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Methylene Chloride	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
MTBE (Methyl tert-butyl ether)	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
trans-1,2-Dichloroethene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
1,1-Dichloroethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
2,2-Dichloropropane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
cis-1,2-Dichloroethene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Bromochloromethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Chloroform	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
1,2-Dichloroethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
1,1,1-Trichloroethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Methyl Acrylate	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Tetrahydrofuran	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Carbon Tetrachloride	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
1,1-Dichloropropene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Benzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Trichloroethene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
1,2-Dichloropropane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Methyl methacrylate	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Dibromomethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Bromodichloromethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
cis-1,3-Dichloropropene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	

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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C3355

Reported:
 29-Mar-19 08:15

trip blank
19C3355-03 (Water) Sampled: 27-Mar-19 00:00

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	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
1,1,2-Trichloroethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Dibromochloromethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
1,2-Dibromoethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Toluene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Tetrachloroethene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
1,3-Dichloropropane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Chlorobenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
1,1,1,2-Tetrachloroethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Ethylbenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
m,p-Xylene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
o-Xylene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Styrene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Bromoform	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Isopropylbenzene (Cumene)	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
1,1,2,2-Tetrachloroethane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
trans-1,4-Dichloro-2-butene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
1,2,3-Trichloropropane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Bromobenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
n-Propylbenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
2-Chlorotoluene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
1,3,5-Trimethylbenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
4-Chlorotoluene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
tert-butyl Benzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
1,2,4-Trimethylbenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
sec-butyl Benzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
p-Isopropyltoluene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
1,3-Dichlorobenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
1,4-Dichlorobenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
n-butyl Benzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	

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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C3355

Reported:
 29-Mar-19 08:15

trip blank
19C3355-03 (Water) Sampled: 27-Mar-19 00:00

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	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
1,2-Dibromo-3-chloropropane	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
1,2,4-Trichlorobenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Hexachlorobutadiene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Naphthalene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
1,2,3-Trichlorobenzene	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Total Trichloroethanes	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Total Trihalomethanes	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
Total Xylenes	<1.0	1.0	ug/L	1	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
<i>Surrogate: 4-Bromofluorobenzene</i>		91.4 %		70-130	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>		87.6 %		70-130	B9C3424	27-Mar-19	27-Mar-19 17:22	EPA 524.2	BPC	

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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C3355

Reported:
 29-Mar-19 08:15

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 B9C3424 - Organics										
Blank (B9C3424-BLK1)				Prepared & Analyzed: 27-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: 19C3355

Reported:
 29-Mar-19 08:15

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 B9C3424 - Organics

Blank (B9C3424-BLK1)

Prepared & Analyzed: 27-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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 11011 Brooklet Dr., # 230
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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19C3355

Reported:
 29-Mar-19 08:15

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 B9C3424 - Organics

Blank (B9C3424-BLK1)		Prepared & Analyzed: 27-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>	4.9		"	5.00		98.4	70-130			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	4.5		"	5.00		89.2	70-130			

LCS (B9C3424-BS1)		Prepared & Analyzed: 27-Mar-19								
Dichlorodifluoromethane	22	1.0	ug/L	20.0		109	80-120			
Chloromethane	20	1.0	"	20.0		101	80-120			
Vinyl Chloride	21	1.0	"	20.0		107	80-120			
Bromomethane	20	1.0	"	20.0		101	80-120			
Chloroethane	20	1.0	"	20.0		100	80-120			
Trichlorofluoromethane	20	1.0	"	20.0		101	80-120			
Diethyl ether	20	1.0	"	20.0		98.4	80-120			
1,1-Dichloroethene	21	1.0	"	20.0		103	80-120			
Carbon Disulfide	18	1.0	"	20.0		91.4	80-120			
Methylene Chloride	20	1.0	"	20.0		98.2	80-120			
MTBE (Methyl tert-butyl ether)	20	1.0	"	20.0		98.8	80-120			
trans-1,2-Dichloroethene	19	1.0	"	20.0		96.8	80-120			
1,1-Dichloroethane	20	1.0	"	20.0		102	80-120			
2,2-Dichloropropane	19	1.0	"	20.0		95.7	80-120			
cis-1,2-Dichloroethene	20	1.0	"	20.0		102	80-120			
Bromochloromethane	19	1.0	"	20.0		96.2	80-120			
Chloroform	20	1.0	"	20.0		99.8	80-120			
1,2-Dichloroethane	20	1.0	"	20.0		100	80-120			
1,1,1-Trichloroethane	20	1.0	"	20.0		100	80-120			
Methyl Acrylate	20	1.0	"	20.0		102	80-120			
Tetrahydrofuran	19	1.0	"	20.0		96.6	80-120			
Carbon Tetrachloride	20	1.0	"	20.0		101	80-120			
1,1-Dichloropropene	20	1.0	"	20.0		101	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 B9C3424 - Organics

LCS (B9C3424-BS1)		Prepared & Analyzed: 27-Mar-19								
Benzene	20	1.0	ug/L	20.0		101	80-120			
Trichloroethene	20	1.0	"	20.0		102	80-120			
1,2-Dichloropropane	20	1.0	"	20.0		101	80-120			
Methyl methacrylate	20	1.0	"	20.0		101	80-120			
Dibromomethane	21	1.0	"	20.0		104	80-120			
Bromodichloromethane	21	1.0	"	20.0		103	80-120			
cis-1,3-Dichloropropene	21	1.0	"	20.0		105	80-120			
trans-1,3-Dichloropropene	20	1.0	"	20.0		99.8	80-120			
1,1,2-Trichloroethane	22	1.0	"	20.0		108	80-120			
Dibromochloromethane	19	1.0	"	20.0		96.0	80-120			
1,2-Dibromoethane	20	1.0	"	20.0		101	80-120			
Toluene	19	1.0	"	20.0		95.4	80-120			
Tetrachloroethene	20	1.0	"	20.0		101	80-120			
1,3-Dichloropropane	21	1.0	"	20.0		103	80-120			
Chlorobenzene	18	1.0	"	20.0		91.8	80-120			
1,1,1,2-Tetrachloroethane	19	1.0	"	20.0		96.0	80-120			
Ethylbenzene	21	1.0	"	20.0		103	80-120			
m,p-Xylene	42	1.0	"	40.0		105	80-120			
o-Xylene	20	1.0	"	20.0		102	80-120			
Styrene	20	1.0	"	20.0		100	80-120			
Bromoform	18	1.0	"	20.0		90.8	80-120			
Isopropylbenzene (Cumene)	20	1.0	"	20.0		102	80-120			
1,1,2,2-Tetrachloroethane	21	1.0	"	20.0		103	80-120			
trans-1,4-Dichloro-2-butene	18	1.0	"	20.0		92.2	80-120			
1,2,3-Trichloropropane	20	1.0	"	20.0		98.5	80-120			
Bromobenzene	20	1.0	"	20.0		102	80-120			
n-Propylbenzene	20	1.0	"	20.0		101	80-120			
2-Chlorotoluene	20	1.0	"	20.0		101	80-120			
1,3,5-Trimethylbenzene	22	1.0	"	20.0		110	80-120			
4-Chlorotoluene	21	1.0	"	20.0		104	80-120			
tert-butyl Benzene	19	1.0	"	20.0		96.7	80-120			
1,2,4-Trimethylbenzene	20	1.0	"	20.0		100	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 B9C3424 - Organics

LCS (B9C3424-BS1)										
					Prepared & Analyzed: 27-Mar-19					
sec-butyl Benzene	19	1.0	ug/L	20.0		93.5	80-120			
p-Isopropyltoluene	20	1.0	"	20.0		98.3	80-120			
1,3-Dichlorobenzene	20	1.0	"	20.0		101	80-120			
1,4-Dichlorobenzene	19	1.0	"	20.0		95.1	80-120			
n-butyl Benzene	20	1.0	"	20.0		98.9	80-120			
1,2-Dichlorobenzene	19	1.0	"	20.0		95.0	80-120			
1,2-Dibromo-3-chloropropane	20	1.0	"	20.0		98.7	80-120			
1,2,4-Trichlorobenzene	19	1.0	"	20.0		96.0	80-120			
Hexachlorobutadiene	20	1.0	"	20.0		102	80-120			
Naphthalene	19	1.0	"	20.0		93.9	80-120			
1,2,3-Trichlorobenzene	19	1.0	"	20.0		94.4	80-120			
Total Trichloroethanes	42	1.0	"	40.0		104	80-120			
Total Trihalomethanes	78	1.0	"	80.0		97.3	80-120			
Total Xylenes	62	1.0	"	60.0		104	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>5.0</i>		<i>"</i>	<i>5.00</i>		<i>100</i>	<i>70-130</i>			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>4.8</i>		<i>"</i>	<i>5.00</i>		<i>95.0</i>	<i>70-130</i>			

LCS Dup (B9C3424-BSD1)										
					Prepared & Analyzed: 27-Mar-19					
Dichlorodifluoromethane	21	1.0	ug/L	20.0		105	80-120	4.48	20	
Chloromethane	21	1.0	"	20.0		104	80-120	2.44	20	
Vinyl Chloride	22	1.0	"	20.0		108	80-120	1.67	20	
Bromomethane	21	1.0	"	20.0		103	80-120	2.45	20	
Chloroethane	20	1.0	"	20.0		101	80-120	0.299	20	
Trichlorofluoromethane	20	1.0	"	20.0		99.8	80-120	1.44	20	
Diethyl ether	20	1.0	"	20.0		99.8	80-120	1.31	20	
1,1-Dichloroethene	21	1.0	"	20.0		104	80-120	0.387	20	
Carbon Disulfide	18	1.0	"	20.0		92.2	80-120	0.872	20	
Methylene Chloride	19	1.0	"	20.0		96.8	80-120	1.54	20	
MTBE (Methyl tert-butyl ether)	19	1.0	"	20.0		97.0	80-120	1.79	20	
trans-1,2-Dichloroethene	20	1.0	"	20.0		98.6	80-120	1.74	20	
1,1-Dichloroethane	20	1.0	"	20.0		100	80-120	1.48	20	
2,2-Dichloropropane	19	1.0	"	20.0		93.2	80-120	2.70	20	

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Work Order: 19C3355

Reported:
 29-Mar-19 08:15

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 B9C3424 - Organics

LCS Dup (B9C3424-BSD1)	Prepared & Analyzed: 27-Mar-19									
cis-1,2-Dichloroethene	20	1.0	ug/L	20.0	101	80-120	1.04	20		
Bromochloromethane	19	1.0	"	20.0	97.2	80-120	1.14	20		
Chloroform	20	1.0	"	20.0	99.6	80-120	0.301	20		
1,2-Dichloroethane	20	1.0	"	20.0	98.4	80-120	1.61	20		
1,1,1-Trichloroethane	20	1.0	"	20.0	99.5	80-120	0.950	20		
Methyl Acrylate	20	1.0	"	20.0	99.1	80-120	3.32	20		
Tetrahydrofuran	19	1.0	"	20.0	97.2	80-120	0.671	20		
Carbon Tetrachloride	20	1.0	"	20.0	99.0	80-120	1.65	20		
1,1-Dichloropropene	20	1.0	"	20.0	98.8	80-120	1.95	20		
Benzene	20	1.0	"	20.0	101	80-120	0.149	20		
Trichloroethene	20	1.0	"	20.0	100	80-120	2.03	20		
1,2-Dichloropropane	20	1.0	"	20.0	102	80-120	0.641	20		
Methyl methacrylate	20	1.0	"	20.0	99.0	80-120	2.30	20		
Dibromomethane	20	1.0	"	20.0	101	80-120	3.18	20		
Bromodichloromethane	21	1.0	"	20.0	103	80-120	0.146	20		
cis-1,3-Dichloropropene	21	1.0	"	20.0	106	80-120	0.901	20		
trans-1,3-Dichloropropene	20	1.0	"	20.0	98.4	80-120	1.36	20		
1,1,2-Trichloroethane	21	1.0	"	20.0	107	80-120	0.885	20		
Dibromochloromethane	19	1.0	"	20.0	95.6	80-120	0.313	20		
1,2-Dibromoethane	20	1.0	"	20.0	100	80-120	0.942	20		
Toluene	19	1.0	"	20.0	94.2	80-120	1.21	20		
Tetrachloroethene	20	1.0	"	20.0	99.2	80-120	2.19	20		
1,3-Dichloropropane	21	1.0	"	20.0	103	80-120	0.0973	20		
Chlorobenzene	18	1.0	"	20.0	92.5	80-120	0.814	20		
1,1,1,2-Tetrachloroethane	19	1.0	"	20.0	95.6	80-120	0.365	20		
Ethylbenzene	20	1.0	"	20.0	98.6	80-120	4.36	20		
m,p-Xylene	40	1.0	"	40.0	101	80-120	3.48	20		
o-Xylene	20	1.0	"	20.0	99.2	80-120	2.93	20		
Styrene	20	1.0	"	20.0	99.2	80-120	0.804	20		
Bromoform	20	1.0	"	20.0	99.0	80-120	8.70	20		
Isopropylbenzene (Cumene)	20	1.0	"	20.0	99.2	80-120	2.83	20		
1,1,2,2-Tetrachloroethane	20	1.0	"	20.0	101	80-120	1.66	20		

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Work Order: 19C3355

Reported:
 29-Mar-19 08:15

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 B9C3424 - Organics

LCS Dup (B9C3424-BSD1)	Prepared & Analyzed: 27-Mar-19									
trans-1,4-Dichloro-2-butene	19	1.0	ug/L	20.0		94.4	80-120	2.41	20	
1,2,3-Trichloropropane	19	1.0	"	20.0		96.8	80-120	1.69	20	
Bromobenzene	20	1.0	"	20.0		98.0	80-120	3.71	20	
n-Propylbenzene	19	1.0	"	20.0		96.2	80-120	4.77	20	
2-Chlorotoluene	19	1.0	"	20.0		97.2	80-120	4.23	20	
1,3,5-Trimethylbenzene	21	1.0	"	20.0		105	80-120	4.43	20	
4-Chlorotoluene	21	1.0	"	20.0		103	80-120	1.45	20	
tert-butyl Benzene	19	1.0	"	20.0		93.6	80-120	3.20	20	
1,2,4-Trimethylbenzene	19	1.0	"	20.0		95.4	80-120	4.76	20	
sec-butyl Benzene	18	1.0	"	20.0		91.0	80-120	2.71	20	
p-Isopropyltoluene	19	1.0	"	20.0		95.8	80-120	2.63	20	
1,3-Dichlorobenzene	20	1.0	"	20.0		97.8	80-120	3.12	20	
1,4-Dichlorobenzene	18	1.0	"	20.0		92.4	80-120	2.88	20	
n-butyl Benzene	20	1.0	"	20.0		97.6	80-120	1.32	20	
1,2-Dichlorobenzene	19	1.0	"	20.0		93.4	80-120	1.75	20	
1,2-Dibromo-3-chloropropane	19	1.0	"	20.0		97.2	80-120	1.58	20	
1,2,4-Trichlorobenzene	20	1.0	"	20.0		97.5	80-120	1.50	20	
Hexachlorobutadiene	20	1.0	"	20.0		100	80-120	1.78	20	
Naphthalene	18	1.0	"	20.0		91.8	80-120	2.21	20	
1,2,3-Trichlorobenzene	18	1.0	"	20.0		92.5	80-120	2.03	20	
Total Trichloroethanes	41	1.0	"	40.0		103	80-120	0.916	20	
Total Trihalomethanes	78	1.0	"	80.0		96.9	80-120	0.399	20	
Total Xylenes	60	1.0	"	60.0		100	80-120	3.30	20	
<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>4.8</i>		<i>"</i>	<i>5.00</i>		<i>96.8</i>	<i>70-130</i>			

Matrix Spike (B9C3424-MS1)	Source: 19C3021-01 Prepared & Analyzed: 27-Mar-19									
Dichlorodifluoromethane	21	1.0	ug/L	20.0	ND	107	80-120			
Chloromethane	21	1.0	"	20.0	ND	104	80-120			
Vinyl Chloride	22	1.0	"	20.0	ND	108	80-120			
Bromomethane	21	1.0	"	20.0	ND	103	80-120			
Chloroethane	21	1.0	"	20.0	ND	103	80-120			

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Reported:
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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 B9C3424 - Organics

Matrix Spike (B9C3424-MS1)	Source: 19C3021-01			Prepared & Analyzed: 27-Mar-19						
Trichlorofluoromethane	21	1.0	ug/L	20.0	ND	103	80-120			
Diethyl ether	20	1.0	"	20.0	ND	101	80-120			
1,1-Dichloroethene	21	1.0	"	20.0	ND	103	80-120			
Carbon Disulfide	18	1.0	"	20.0	ND	90.8	80-120			
Methylene Chloride	19	1.0	"	20.0	ND	97.0	80-120			
MTBE (Methyl tert-butyl ether)	19	1.0	"	20.0	ND	97.4	80-120			
trans-1,2-Dichloroethene	19	1.0	"	20.0	ND	96.9	80-120			
1,1-Dichloroethane	20	1.0	"	20.0	ND	101	80-120			
2,2-Dichloropropane	21	1.0	"	20.0	ND	103	80-120			
cis-1,2-Dichloroethene	20	1.0	"	20.0	ND	99.8	80-120			
Bromochloromethane	19	1.0	"	20.0	ND	96.6	80-120			
Chloroform	19	1.0	"	20.0	ND	94.1	80-120			
1,2-Dichloroethane	20	1.0	"	20.0	ND	101	80-120			
1,1,1-Trichloroethane	20	1.0	"	20.0	ND	101	80-120			
Methyl Acrylate	20	1.0	"	20.0	ND	101	80-120			
Tetrahydrofuran	18	1.0	"	20.0	ND	91.3	80-120			
Carbon Tetrachloride	20	1.0	"	20.0	ND	99.0	80-120			
1,1-Dichloropropene	20	1.0	"	20.0	ND	101	80-120			
Benzene	20	1.0	"	20.0	ND	101	80-120			
Trichloroethene	21	1.0	"	20.0	ND	103	80-120			
1,2-Dichloropropane	20	1.0	"	20.0	ND	99.6	80-120			
Methyl methacrylate	20	1.0	"	20.0	ND	97.6	80-120			
Dibromomethane	20	1.0	"	20.0	ND	101	80-120			
Bromodichloromethane	21	1.0	"	20.0	ND	103	80-120			
cis-1,3-Dichloropropene	21	1.0	"	20.0	ND	106	80-120			
trans-1,3-Dichloropropene	20	1.0	"	20.0	ND	101	80-120			
1,1,2-Trichloroethane	21	1.0	"	20.0	ND	106	80-120			
Dibromochloromethane	19	1.0	"	20.0	ND	94.1	80-120			
1,2-Dibromoethane	20	1.0	"	20.0	ND	101	80-120			
Toluene	19	1.0	"	20.0	ND	95.0	80-120			
Tetrachloroethene	20	1.0	"	20.0	ND	100	80-120			
1,3-Dichloropropane	20	1.0	"	20.0	ND	101	80-120			

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Reported:
 29-Mar-19 08:15

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 B9C3424 - Organics

Matrix Spike (B9C3424-MS1)	Source: 19C3021-01			Prepared & Analyzed: 27-Mar-19						
Chlorobenzene	18	1.0	ug/L	20.0	ND	89.0	80-120			
1,1,1,2-Tetrachloroethane	19	1.0	"	20.0	ND	95.4	80-120			
Ethylbenzene	20	1.0	"	20.0	ND	100	80-120			
m,p-Xylene	41	1.0	"	40.0	ND	104	80-120			
o-Xylene	20	1.0	"	20.0	ND	99.8	80-120			
Styrene	20	1.0	"	20.0	ND	102	80-120			
Bromoform	17	1.0	"	20.0	ND	85.6	80-120			
Isopropylbenzene (Cumene)	21	1.0	"	20.0	ND	103	80-120			
1,1,2,2-Tetrachloroethane	20	1.0	"	20.0	ND	102	80-120			
trans-1,4-Dichloro-2-butene	19	1.0	"	20.0	ND	93.6	80-120			
1,2,3-Trichloropropane	19	1.0	"	20.0	ND	95.2	80-120			
Bromobenzene	19	1.0	"	20.0	ND	97.0	80-120			
n-Propylbenzene	20	1.0	"	20.0	ND	102	80-120			
2-Chlorotoluene	20	1.0	"	20.0	ND	100	80-120			
1,3,5-Trimethylbenzene	22	1.0	"	20.0	ND	111	80-120			
4-Chlorotoluene	21	1.0	"	20.0	ND	104	80-120			
tert-butyl Benzene	19	1.0	"	20.0	ND	97.2	80-120			
1,2,4-Trimethylbenzene	20	1.0	"	20.0	ND	100	80-120			
sec-butyl Benzene	19	1.0	"	20.0	ND	96.5	80-120			
p-Isopropyltoluene	20	1.0	"	20.0	ND	100	80-120			
1,3-Dichlorobenzene	20	1.0	"	20.0	ND	101	80-120			
1,4-Dichlorobenzene	19	1.0	"	20.0	ND	94.9	80-120			
n-butyl Benzene	21	1.0	"	20.0	ND	104	80-120			
1,2-Dichlorobenzene	19	1.0	"	20.0	ND	94.8	80-120			
1,2-Dibromo-3-chloropropane	19	1.0	"	20.0	ND	95.2	80-120			
1,2,4-Trichlorobenzene	20	1.0	"	20.0	ND	97.7	80-120			
Hexachlorobutadiene	21	1.0	"	20.0	ND	104	80-120			
Naphthalene	19	1.0	"	20.0	ND	95.8	80-120			
1,2,3-Trichlorobenzene	20	1.0	"	20.0	ND	98.0	80-120			
Total Trichloroethanes	42	1.0	"	40.0	ND	104	80-120			
Total Trihalomethanes	75	1.0	"	80.0	ND	94.2	80-120			
Total Xylenes	61	1.0	"	60.0	ND	102	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.



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: 19C3355

Reported:
 29-Mar-19 08:15

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 B9C3424 - Organics

Matrix Spike (B9C3424-MS1)	Source: 19C3021-01	Prepared & Analyzed: 27-Mar-19								
Surrogate: 4-Bromofluorobenzene	4.9	ug/L	5.00	98.8	70-130					
Surrogate: 1,2-Dichlorobenzene-d4	4.7	"	5.00	94.2	70-130					

DRAFT REPORT

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Client: Deer Park, City of
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Work Order: 19C3355

Reported:
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Notes and Definitions

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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19C3355

Envirodyne Laboratories, Inc.
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TCEQ Certification # T104704265

Analysis Request and Chain of Custody Record

Name: Deer Park City of
Address: 2117 East X Street
City: Deer Park, TX 77536
Contact: Nichloas Cook

Phone: 832-421-7387

Fax:

Table with columns: Lab ID No., Field Sample No./ Identification, Date & Time, Grab, Comp, Sample Container (Size/Mat'l), Sample Type (Liquid, Sludge, etc), Preservative, ANALYSIS REQUESTED, pH, D.O., Temp., Analysis Time. Includes rows for Raw Water, Finished Water, and Trip Blank.

Signature and Date section containing: Samplers: (Signature) FRANK T WALKER, Relinquished by: FRANK T WALKER, Received by: R-MATOR, Date: 3-27-19, Time: 1330, Seal Intact?, Affiliation, Relinquished by: R-Mator, Received by Lab: [Signature], Date: 3-27-19, Time: 1450, Seal Intact?, Remarks: FLOW: Meter Reading: Cl2 Residual: Mn Correction: Cl2 Corrected, Arrival Temp: 37.29 12#M, Data Results To: 1, Site Representative: FRANK T WALKER, Date: 3/27/19, Time: 1330