



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

16 April 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 09-Apr-19 13:55. 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,

A handwritten signature in blue ink that reads 'Monica Smith'.

Monica Smith
Client Services Representative



Certificate No: T104704265-18-14



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 Houston, TX 77099
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| | | |
|--------------------|--------------------------------------|-------------------------------------|
| Client: | Deer Park, City of | Reported: 16-Apr-19 13:10 |
| Project: | Deer Park, City of - ITC Water Check | |
| Work Order: | 19D1498 | |

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|----------------|---------------|--------|-----------------|-----------------|
| Raw Water | 19D1498-01 | Water | 08-Apr-19 09:26 | 09-Apr-19 13:55 |
| Finished Water | 19D1498-02 | Water | 08-Apr-19 09:17 | 09-Apr-19 13:55 |
| TRIP BLANK | 19D1498-03 | Water | 08-Apr-19 00:00 | 09-Apr-19 13:55 |

C=Methylene Chloride did not meet the 524.2 Method Criteria. Results are estimated values. Compound was not detected in the samples.

Tetrachloroethene, Carbon disulfide, and Methylene Chloride were outside the LCS and LCSD for ELI QC acceptance criteria. Compounds were not detected in samples.

Report revised - Replaces report dated 04-15-2019

Envirodyne Laboratories, Inc.

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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19D1498

Reported:
 16-Apr-19 13:10

Raw Water
19D1498-01 (Water) Sampled: 08-Apr-19 09:26

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Analyst | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|---------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|---------|-------|

Envirodyne Laboratories, Inc.

Volatile Organic Compounds by EPA 524.2

| | | | | | | | | | | |
|--------------------------------|------------|-----|------|---|---------|-----------|-----------------|-----------|-----|------|
| Dichlorodifluoromethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Diethyl ether | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| 1,1-Dichloroethene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | Q |
| Methylene Chloride | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | C, Q |
| MTBE (Methyl tert-butyl ether) | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| trans-1,2-Dichloroethene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| 2,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| cis-1,2-Dichloroethene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Chloroform | 21 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Methyl Acrylate | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Tetrahydrofuran | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| 1,1-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Benzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Trichloroethene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Methyl methacrylate | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Bromodichloromethane | 7.8 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |

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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19D1498

Reported:
 16-Apr-19 13:10

Raw Water

19D1498-01 (Water) Sampled: 08-Apr-19 09:26

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Analyst | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|---------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|---------|-------|

Envirodyne Laboratories, Inc.

Volatile Organic Compounds by EPA 524.2

| | | | | | | | | | | |
|-----------------------------|------------|-----|------|---|---------|-----------|-----------------|-----------|-----|---|
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Dibromochloromethane | 2.5 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Toluene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Tetrachloroethene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | Q |
| 1,3-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| m,p-Xylene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| o-Xylene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Styrene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Isopropylbenzene (Cumene) | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| trans-1,4-Dichloro-2-butene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Bromobenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| n-Propylbenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| 2-Chlorotoluene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| 4-Chlorotoluene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| tert-butyl Benzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| sec-butyl Benzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| p-Isopropyltoluene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| 1,3-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| n-butyl Benzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |

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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19D1498

Reported:
 16-Apr-19 13:10

Raw Water

19D1498-01 (Water) Sampled: 08-Apr-19 09:26

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Analyst | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|---------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|---------|-------|

Envirodyne Laboratories, Inc.

Volatile Organic Compounds by EPA 524.2

| | | | | | | | | | | |
|--|-----------|--------|------|--------|---------|-----------|-----------------|-----------|-----|--|
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| 1,2-Dibromo-3-chloropropane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| 1,2,4-Trichlorobenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Hexachlorobutadiene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Naphthalene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| 1,2,3-Trichlorobenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Total Trichloroethanes | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Total Trihalomethanes | 31 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| Total Xylenes | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 88.2 % | | 70-130 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |
| <i>Surrogate: 1,2-Dichlorobenzene-d4</i> | | 93.8 % | | 70-130 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:12 | EPA 524.2 | BPC | |

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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19D1498

Reported:
 16-Apr-19 13:10

Finished Water
19D1498-02 (Water) Sampled: 08-Apr-19 09:17

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Analyst | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|---------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|---------|-------|

Envirodyne Laboratories, Inc.

Volatile Organic Compounds by EPA 524.2

| | | | | | | | | | | |
|--------------------------------|------------|-----|------|---|---------|-----------|-----------------|-----------|-----|------|
| Dichlorodifluoromethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Diethyl ether | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| 1,1-Dichloroethene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | Q |
| Methylene Chloride | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | C, Q |
| MTBE (Methyl tert-butyl ether) | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| trans-1,2-Dichloroethene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| 2,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| cis-1,2-Dichloroethene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Chloroform | 18 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Methyl Acrylate | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Tetrahydrofuran | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| 1,1-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Benzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Trichloroethene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Methyl methacrylate | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Bromodichloromethane | 7.2 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |

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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19D1498

Reported:
 16-Apr-19 13:10

Finished Water
19D1498-02 (Water) Sampled: 08-Apr-19 09:17

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Analyst | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|---------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|---------|-------|

Envirodyne Laboratories, Inc.

Volatile Organic Compounds by EPA 524.2

| | | | | | | | | | | |
|-----------------------------|------------|-----|------|---|---------|-----------|-----------------|-----------|-----|---|
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Dibromochloromethane | 2.4 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Toluene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Tetrachloroethene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | Q |
| 1,3-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| m,p-Xylene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| o-Xylene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Styrene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Isopropylbenzene (Cumene) | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| trans-1,4-Dichloro-2-butene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Bromobenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| n-Propylbenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| 2-Chlorotoluene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| 4-Chlorotoluene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| tert-butyl Benzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| sec-butyl Benzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| p-Isopropyltoluene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| 1,3-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| n-butyl Benzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |

Envirodyne Laboratories, Inc.

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.

Monica Smith, Client Services Representative



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: 19D1498

Reported:
 16-Apr-19 13:10

Finished Water
19D1498-02 (Water) Sampled: 08-Apr-19 09:17

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Analyst | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|---------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|---------|-------|

Envirodyne Laboratories, Inc.

Volatile Organic Compounds by EPA 524.2

| | | | | | | | | | | |
|--|-----------|--------|------|--------|---------|-----------|-----------------|-----------|-----|--|
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| 1,2-Dibromo-3-chloropropane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| 1,2,4-Trichlorobenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Hexachlorobutadiene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Naphthalene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| 1,2,3-Trichlorobenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Total Trichloroethanes | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Total Trihalomethanes | 27 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| Total Xylenes | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 91.2 % | | 70-130 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |
| <i>Surrogate: 1,2-Dichlorobenzene-d4</i> | | 95.6 % | | 70-130 | B9D1366 | 11-Apr-19 | 11-Apr-19 17:38 | EPA 524.2 | BPC | |

Envirodyne Laboratories, Inc.

Monica Smith, Client Services Representative

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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: 19D1498

Reported:
 16-Apr-19 13:10

TRIP BLANK

19D1498-03 (Water) Sampled: 08-Apr-19 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Analyst | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|---------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|---------|-------|

Envirodyne Laboratories, Inc.

Volatile Organic Compounds by EPA 524.2

| | | | | | | | | | | |
|--------------------------------|------|-----|------|---|---------|-----------|-----------------|-----------|-----|------|
| Dichlorodifluoromethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Chloromethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Vinyl Chloride | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Bromomethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Chloroethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Trichlorofluoromethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Diethyl ether | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| 1,1-Dichloroethene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Carbon Disulfide | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | Q |
| Methylene Chloride | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | C, Q |
| MTBE (Methyl tert-butyl ether) | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| trans-1,2-Dichloroethene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| 1,1-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| 2,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| cis-1,2-Dichloroethene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Bromochloromethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Chloroform | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| 1,2-Dichloroethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| 1,1,1-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Methyl Acrylate | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Tetrahydrofuran | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Carbon Tetrachloride | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| 1,1-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Benzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Trichloroethene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| 1,2-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Methyl methacrylate | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Dibromomethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Bromodichloromethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| cis-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |

Envirodyne Laboratories, Inc.

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Monica Smith, Client Services Representative



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: 19D1498

Reported:
 16-Apr-19 13:10

TRIP BLANK

19D1498-03 (Water) Sampled: 08-Apr-19 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Analyst | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|---------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|---------|-------|

Envirodyne Laboratories, Inc.

Volatile Organic Compounds by EPA 524.2

| | | | | | | | | | | |
|-----------------------------|------|-----|------|---|---------|-----------|-----------------|-----------|-----|---|
| trans-1,3-Dichloropropene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| 1,1,2-Trichloroethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Dibromochloromethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| 1,2-Dibromoethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Toluene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Tetrachloroethene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | Q |
| 1,3-Dichloropropane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Chlorobenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Ethylbenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| m,p-Xylene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| o-Xylene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Styrene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Bromoform | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Isopropylbenzene (Cumene) | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| trans-1,4-Dichloro-2-butene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| 1,2,3-Trichloropropane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Bromobenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| n-Propylbenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| 2-Chlorotoluene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| 1,3,5-Trimethylbenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| 4-Chlorotoluene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| tert-butyl Benzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| 1,2,4-Trimethylbenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| sec-butyl Benzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| p-Isopropyltoluene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| 1,3-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| 1,4-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| n-butyl Benzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |

Envirodyne Laboratories, Inc.

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Monica Smith

Monica Smith, Client Services Representative



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: 19D1498

Reported:
 16-Apr-19 13:10

TRIP BLANK

19D1498-03 (Water) Sampled: 08-Apr-19 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Analyst | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|---------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|---------|-------|

Envirodyne Laboratories, Inc.

Volatile Organic Compounds by EPA 524.2

| | | | | | | | | | | |
|-----------------------------------|------|--------|------|--------|---------|-----------|-----------------|-----------|-----|--|
| 1,2-Dichlorobenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| 1,2-Dibromo-3-chloropropane | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| 1,2,4-Trichlorobenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Hexachlorobutadiene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Naphthalene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| 1,2,3-Trichlorobenzene | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Total Trichloroethanes | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Total Trihalomethanes | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Total Xylenes | <1.0 | 1.0 | ug/L | 1 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Surrogate: 4-Bromofluorobenzene | | 89.6 % | | 70-130 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |
| Surrogate: 1,2-Dichlorobenzene-d4 | | 91.6 % | | 70-130 | B9D1366 | 11-Apr-19 | 11-Apr-19 14:33 | EPA 524.2 | BPC | |

Envirodyne Laboratories, Inc.

Monica Smith

Monica Smith, Client Services Representative

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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: 19D1498

Reported:
 16-Apr-19 13:10

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 B9D1366 - Organics

Blank (B9D1366-BLK1)

Prepared & Analyzed: 11-Apr-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 | " | | | | | | | |

Envirodyne Laboratories, Inc.

Monica Smith, Client Services Representative

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

Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19D1498

Reported:
 16-Apr-19 13:10

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 B9D1366 - Organics

Blank (B9D1366-BLK1)

Prepared & Analyzed: 11-Apr-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 | " | | | | | | | |

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Project: Deer Park, City of - ITC Water Check
Work Order: 19D1498

Reported:
 16-Apr-19 13:10

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 B9D1366 - Organics

Blank (B9D1366-BLK1)

Prepared & Analyzed: 11-Apr-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> | 4.7 | | " | 5.00 | | 94.2 | 70-130 | | | |
| <i>Surrogate: 1,2-Dichlorobenzene-d4</i> | 4.8 | | " | 5.00 | | 95.8 | 70-130 | | | |

LCS (B9D1366-BS1)

Prepared & Analyzed: 11-Apr-19

| | | | | | | | | | | |
|--------------------------------|----|-----|------|------|--|------|--------|--|--|--|
| Dichlorodifluoromethane | 20 | 1.0 | ug/L | 20.0 | | 102 | 80-120 | | | |
| Chloromethane | 21 | 1.0 | " | 20.0 | | 104 | 80-120 | | | |
| Vinyl Chloride | 21 | 1.0 | " | 20.0 | | 104 | 80-120 | | | |
| Bromomethane | 19 | 1.0 | " | 20.0 | | 94.8 | 80-120 | | | |
| Chloroethane | 21 | 1.0 | " | 20.0 | | 103 | 80-120 | | | |
| Trichlorofluoromethane | 21 | 1.0 | " | 20.0 | | 103 | 80-120 | | | |
| Diethyl ether | 21 | 1.0 | " | 20.0 | | 104 | 80-120 | | | |
| 1,1-Dichloroethene | 20 | 1.0 | " | 20.0 | | 98.8 | 80-120 | | | |
| Carbon Disulfide | 16 | 1.0 | " | 20.0 | | 82.5 | 80-120 | | | |
| Methylene Chloride | 17 | 1.0 | " | 20.0 | | 87.4 | 80-120 | | | |
| MTBE (Methyl tert-butyl ether) | 20 | 1.0 | " | 20.0 | | 99.9 | 80-120 | | | |
| trans-1,2-Dichloroethene | 19 | 1.0 | " | 20.0 | | 94.2 | 80-120 | | | |
| 1,1-Dichloroethane | 20 | 1.0 | " | 20.0 | | 97.8 | 80-120 | | | |
| 2,2-Dichloropropane | 18 | 1.0 | " | 20.0 | | 91.9 | 80-120 | | | |
| cis-1,2-Dichloroethene | 20 | 1.0 | " | 20.0 | | 102 | 80-120 | | | |
| Bromochloromethane | 21 | 1.0 | " | 20.0 | | 103 | 80-120 | | | |
| Chloroform | 22 | 1.0 | " | 20.0 | | 108 | 80-120 | | | |
| 1,2-Dichloroethane | 21 | 1.0 | " | 20.0 | | 103 | 80-120 | | | |
| 1,1,1-Trichloroethane | 20 | 1.0 | " | 20.0 | | 102 | 80-120 | | | |
| Methyl Acrylate | 21 | 1.0 | " | 20.0 | | 107 | 80-120 | | | |
| Tetrahydrofuran | 21 | 1.0 | " | 20.0 | | 106 | 80-120 | | | |
| Carbon Tetrachloride | 20 | 1.0 | " | 20.0 | | 101 | 80-120 | | | |
| 1,1-Dichloropropene | 21 | 1.0 | " | 20.0 | | 103 | 80-120 | | | |

Envirodyne Laboratories, Inc.

Monica Smith

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Project: Deer Park, City of - ITC Water Check
Work Order: 19D1498

Reported:
 16-Apr-19 13:10

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 B9D1366 - Organics

| LCS (B9D1366-BS1) | | Prepared & Analyzed: 11-Apr-19 | | | | | | | | |
|-----------------------------|----|--------------------------------|------|------|--|------|--------|--|--|---|
| Benzene | 20 | 1.0 | ug/L | 20.0 | | 101 | 80-120 | | | |
| Trichloroethene | 20 | 1.0 | " | 20.0 | | 101 | 80-120 | | | |
| 1,2-Dichloropropane | 20 | 1.0 | " | 20.0 | | 101 | 80-120 | | | |
| Methyl methacrylate | 21 | 1.0 | " | 20.0 | | 105 | 80-120 | | | |
| Dibromomethane | 21 | 1.0 | " | 20.0 | | 107 | 80-120 | | | |
| Bromodichloromethane | 20 | 1.0 | " | 20.0 | | 100 | 80-120 | | | |
| cis-1,3-Dichloropropene | 20 | 1.0 | " | 20.0 | | 101 | 80-120 | | | |
| trans-1,3-Dichloropropene | 20 | 1.0 | " | 20.0 | | 98.2 | 80-120 | | | |
| 1,1,2-Trichloroethane | 22 | 1.0 | " | 20.0 | | 108 | 80-120 | | | |
| Dibromochloromethane | 19 | 1.0 | " | 20.0 | | 94.6 | 80-120 | | | |
| 1,2-Dibromoethane | 22 | 1.0 | " | 20.0 | | 108 | 80-120 | | | |
| Toluene | 21 | 1.0 | " | 20.0 | | 103 | 80-120 | | | |
| Tetrachloroethene | 30 | 1.0 | " | 20.0 | | 150 | 80-120 | | | Q |
| 1,3-Dichloropropane | 21 | 1.0 | " | 20.0 | | 104 | 80-120 | | | |
| Chlorobenzene | 20 | 1.0 | " | 20.0 | | 102 | 80-120 | | | |
| 1,1,1,2-Tetrachloroethane | 20 | 1.0 | " | 20.0 | | 98.6 | 80-120 | | | |
| Ethylbenzene | 20 | 1.0 | " | 20.0 | | 102 | 80-120 | | | |
| m,p-Xylene | 41 | 1.0 | " | 40.0 | | 104 | 80-120 | | | |
| o-Xylene | 21 | 1.0 | " | 20.0 | | 104 | 80-120 | | | |
| Styrene | 21 | 1.0 | " | 20.0 | | 103 | 80-120 | | | |
| Bromoform | 19 | 1.0 | " | 20.0 | | 96.5 | 80-120 | | | |
| Isopropylbenzene (Cumene) | 21 | 1.0 | " | 20.0 | | 105 | 80-120 | | | |
| 1,1,2,2-Tetrachloroethane | 21 | 1.0 | " | 20.0 | | 105 | 80-120 | | | |
| trans-1,4-Dichloro-2-butene | 19 | 1.0 | " | 20.0 | | 93.6 | 80-120 | | | |
| 1,2,3-Trichloropropane | 21 | 1.0 | " | 20.0 | | 103 | 80-120 | | | |
| Bromobenzene | 21 | 1.0 | " | 20.0 | | 103 | 80-120 | | | |
| n-Propylbenzene | 21 | 1.0 | " | 20.0 | | 103 | 80-120 | | | |
| 2-Chlorotoluene | 21 | 1.0 | " | 20.0 | | 104 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 21 | 1.0 | " | 20.0 | | 105 | 80-120 | | | |
| 4-Chlorotoluene | 21 | 1.0 | " | 20.0 | | 104 | 80-120 | | | |
| tert-butyl Benzene | 20 | 1.0 | " | 20.0 | | 101 | 80-120 | | | |
| 1,2,4-Trimethylbenzene | 21 | 1.0 | " | 20.0 | | 103 | 80-120 | | | |

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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19D1498

Reported:
 16-Apr-19 13:10

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 B9D1366 - Organics

| LCS (B9D1366-BS1) | | Prepared & Analyzed: 11-Apr-19 | | | | | | | | |
|--|-----|--------------------------------|------|------|--|------|--------|--|--|--|
| sec-butyl Benzene | 19 | 1.0 | ug/L | 20.0 | | 94.4 | 80-120 | | | |
| p-Isopropyltoluene | 20 | 1.0 | " | 20.0 | | 101 | 80-120 | | | |
| 1,3-Dichlorobenzene | 20 | 1.0 | " | 20.0 | | 100 | 80-120 | | | |
| 1,4-Dichlorobenzene | 20 | 1.0 | " | 20.0 | | 99.0 | 80-120 | | | |
| n-butyl Benzene | 20 | 1.0 | " | 20.0 | | 102 | 80-120 | | | |
| 1,2-Dichlorobenzene | 20 | 1.0 | " | 20.0 | | 98.2 | 80-120 | | | |
| 1,2-Dibromo-3-chloropropane | 19 | 1.0 | " | 20.0 | | 95.2 | 80-120 | | | |
| 1,2,4-Trichlorobenzene | 21 | 1.0 | " | 20.0 | | 106 | 80-120 | | | |
| Hexachlorobutadiene | 20 | 1.0 | " | 20.0 | | 101 | 80-120 | | | |
| Naphthalene | 21 | 1.0 | " | 20.0 | | 105 | 80-120 | | | |
| 1,2,3-Trichlorobenzene | 21 | 1.0 | " | 20.0 | | 104 | 80-120 | | | |
| Total Trichloroethanes | 42 | 1.0 | " | 40.0 | | 105 | 80-120 | | | |
| Total Trihalomethanes | 80 | 1.0 | " | 80.0 | | 99.8 | 80-120 | | | |
| Total Xylenes | 62 | 1.0 | " | 60.0 | | 104 | 80-120 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 5.0 | | " | 5.00 | | 99.0 | 70-130 | | | |
| <i>Surrogate: 1,2-Dichlorobenzene-d4</i> | 5.2 | | " | 5.00 | | 103 | 70-130 | | | |

| LCS Dup (B9D1366-BS1) | | Prepared & Analyzed: 11-Apr-19 | | | | | | | | |
|--------------------------------|----|--------------------------------|------|------|--|------|--------|------|----|---|
| Dichlorodifluoromethane | 21 | 1.0 | ug/L | 20.0 | | 103 | 80-120 | 1.42 | 20 | |
| Chloromethane | 20 | 1.0 | " | 20.0 | | 99.1 | 80-120 | 5.11 | 20 | |
| Vinyl Chloride | 20 | 1.0 | " | 20.0 | | 99.7 | 80-120 | 4.17 | 20 | |
| Bromomethane | 18 | 1.0 | " | 20.0 | | 89.8 | 80-120 | 5.36 | 20 | |
| Chloroethane | 20 | 1.0 | " | 20.0 | | 102 | 80-120 | 1.07 | 20 | |
| Trichlorofluoromethane | 20 | 1.0 | " | 20.0 | | 100 | 80-120 | 2.70 | 20 | |
| Diethyl ether | 20 | 1.0 | " | 20.0 | | 97.6 | 80-120 | 6.25 | 20 | |
| 1,1-Dichloroethene | 20 | 1.0 | " | 20.0 | | 99.9 | 80-120 | 1.11 | 20 | |
| Carbon Disulfide | 15 | 1.0 | " | 20.0 | | 76.2 | 80-120 | 8.01 | 20 | Q |
| Methylene Chloride | 26 | 1.0 | " | 20.0 | | 131 | 80-120 | 40.1 | 20 | Q |
| MTBE (Methyl tert-butyl ether) | 19 | 1.0 | " | 20.0 | | 94.3 | 80-120 | 5.77 | 20 | |
| trans-1,2-Dichloroethene | 18 | 1.0 | " | 20.0 | | 91.6 | 80-120 | 2.80 | 20 | |
| 1,1-Dichloroethane | 19 | 1.0 | " | 20.0 | | 93.8 | 80-120 | 4.28 | 20 | |
| 2,2-Dichloropropane | 17 | 1.0 | " | 20.0 | | 86.7 | 80-120 | 5.82 | 20 | |

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Work Order: 19D1498

Reported:
 16-Apr-19 13:10

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 B9D1366 - Organics

| LCS Dup (B9D1366-BSD1) | | Prepared & Analyzed: 11-Apr-19 | | | | | | | | |
|-------------------------------|----|---|------|------|--|------|--------|------|----|-----|
| cis-1,2-Dichloroethene | 20 | 1.0 | ug/L | 20.0 | | 97.8 | 80-120 | 3.76 | 20 | |
| Bromochloromethane | 19 | 1.0 | " | 20.0 | | 96.4 | 80-120 | 6.18 | 20 | |
| Chloroform | 20 | 1.0 | " | 20.0 | | 102 | 80-120 | 6.53 | 20 | |
| 1,2-Dichloroethane | 20 | 1.0 | " | 20.0 | | 97.8 | 80-120 | 4.79 | 20 | |
| 1,1,1-Trichloroethane | 20 | 1.0 | " | 20.0 | | 98.0 | 80-120 | 4.10 | 20 | |
| Methyl Acrylate | 20 | 1.0 | " | 20.0 | | 101 | 80-120 | 5.49 | 20 | |
| Tetrahydrofuran | 20 | 1.0 | " | 20.0 | | 101 | 80-120 | 4.77 | 20 | |
| Carbon Tetrachloride | 19 | 1.0 | " | 20.0 | | 96.8 | 80-120 | 4.35 | 20 | |
| 1,1-Dichloropropene | 20 | 1.0 | " | 20.0 | | 99.6 | 80-120 | 3.60 | 20 | |
| Benzene | 19 | 1.0 | " | 20.0 | | 96.8 | 80-120 | 4.44 | 20 | |
| Trichloroethene | 19 | 1.0 | " | 20.0 | | 96.5 | 80-120 | 4.26 | 20 | |
| 1,2-Dichloropropane | 19 | 1.0 | " | 20.0 | | 95.6 | 80-120 | 5.10 | 20 | |
| Methyl methacrylate | 20 | 1.0 | " | 20.0 | | 100 | 80-120 | 4.63 | 20 | |
| Dibromomethane | 20 | 1.0 | " | 20.0 | | 99.0 | 80-120 | 7.63 | 20 | |
| Bromodichloromethane | 19 | 1.0 | " | 20.0 | | 96.2 | 80-120 | 3.82 | 20 | |
| cis-1,3-Dichloropropene | 19 | 1.0 | " | 20.0 | | 96.3 | 80-120 | 4.57 | 20 | |
| trans-1,3-Dichloropropene | 18 | 1.0 | " | 20.0 | | 91.8 | 80-120 | 6.79 | 20 | |
| 1,1,2-Trichloroethane | 20 | 1.0 | " | 20.0 | | 101 | 80-120 | 6.02 | 20 | |
| Dibromochloromethane | 18 | 1.0 | " | 20.0 | | 91.2 | 80-120 | 3.55 | 20 | |
| 1,2-Dibromoethane | 21 | 1.0 | " | 20.0 | | 104 | 80-120 | 3.60 | 20 | |
| Toluene | 20 | 1.0 | " | 20.0 | | 99.2 | 80-120 | 3.37 | 20 | |
| Tetrachloroethene | 21 | 1.0 | " | 20.0 | | 105 | 80-120 | 35.5 | 20 | RPD |
| 1,3-Dichloropropane | 20 | 1.0 | " | 20.0 | | 99.1 | 80-120 | 5.11 | 20 | |
| Chlorobenzene | 19 | 1.0 | " | 20.0 | | 95.8 | 80-120 | 6.22 | 20 | |
| 1,1,1,2-Tetrachloroethane | 19 | 1.0 | " | 20.0 | | 95.7 | 80-120 | 2.99 | 20 | |
| Ethylbenzene | 20 | 1.0 | " | 20.0 | | 99.2 | 80-120 | 3.03 | 20 | |
| m,p-Xylene | 40 | 1.0 | " | 40.0 | | 99.6 | 80-120 | 3.86 | 20 | |
| o-Xylene | 20 | 1.0 | " | 20.0 | | 99.0 | 80-120 | 4.83 | 20 | |
| Styrene | 19 | 1.0 | " | 20.0 | | 96.4 | 80-120 | 6.96 | 20 | |
| Bromoform | 18 | 1.0 | " | 20.0 | | 89.5 | 80-120 | 7.53 | 20 | |
| Isopropylbenzene (Cumene) | 20 | 1.0 | " | 20.0 | | 100 | 80-120 | 4.34 | 20 | |
| 1,1,2,2-Tetrachloroethane | 20 | 1.0 | " | 20.0 | | 101 | 80-120 | 3.74 | 20 | |

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Work Order: 19D1498

Reported:
 16-Apr-19 13:10

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 B9D1366 - Organics

| LCS Dup (B9D1366-BSD1) | Prepared & Analyzed: 11-Apr-19 | | | | | | | | | |
|-----------------------------------|---|-----|------|------|--|------|--------|------|----|--|
| trans-1,4-Dichloro-2-butene | 18 | 1.0 | ug/L | 20.0 | | 91.0 | 80-120 | 2.71 | 20 | |
| 1,2,3-Trichloropropane | 20 | 1.0 | " | 20.0 | | 97.6 | 80-120 | 5.58 | 20 | |
| Bromobenzene | 20 | 1.0 | " | 20.0 | | 98.0 | 80-120 | 4.59 | 20 | |
| n-Propylbenzene | 20 | 1.0 | " | 20.0 | | 98.9 | 80-120 | 4.01 | 20 | |
| 2-Chlorotoluene | 20 | 1.0 | " | 20.0 | | 98.2 | 80-120 | 5.74 | 20 | |
| 1,3,5-Trimethylbenzene | 20 | 1.0 | " | 20.0 | | 99.4 | 80-120 | 5.91 | 20 | |
| 4-Chlorotoluene | 20 | 1.0 | " | 20.0 | | 98.8 | 80-120 | 4.70 | 20 | |
| tert-butyl Benzene | 19 | 1.0 | " | 20.0 | | 97.1 | 80-120 | 3.94 | 20 | |
| 1,2,4-Trimethylbenzene | 20 | 1.0 | " | 20.0 | | 98.0 | 80-120 | 4.64 | 20 | |
| sec-butyl Benzene | 18 | 1.0 | " | 20.0 | | 91.8 | 80-120 | 2.79 | 20 | |
| p-Isopropyltoluene | 19 | 1.0 | " | 20.0 | | 97.4 | 80-120 | 3.58 | 20 | |
| 1,3-Dichlorobenzene | 19 | 1.0 | " | 20.0 | | 95.0 | 80-120 | 5.13 | 20 | |
| 1,4-Dichlorobenzene | 19 | 1.0 | " | 20.0 | | 93.4 | 80-120 | 5.72 | 20 | |
| n-butyl Benzene | 20 | 1.0 | " | 20.0 | | 98.0 | 80-120 | 3.70 | 20 | |
| 1,2-Dichlorobenzene | 19 | 1.0 | " | 20.0 | | 94.3 | 80-120 | 4.05 | 20 | |
| 1,2-Dibromo-3-chloropropane | 18 | 1.0 | " | 20.0 | | 91.0 | 80-120 | 4.46 | 20 | |
| 1,2,4-Trichlorobenzene | 19 | 1.0 | " | 20.0 | | 96.8 | 80-120 | 8.70 | 20 | |
| Hexachlorobutadiene | 21 | 1.0 | " | 20.0 | | 103 | 80-120 | 1.82 | 20 | |
| Naphthalene | 20 | 1.0 | " | 20.0 | | 101 | 80-120 | 4.04 | 20 | |
| 1,2,3-Trichlorobenzene | 20 | 1.0 | " | 20.0 | | 100 | 80-120 | 3.77 | 20 | |
| Total Trichloroethanes | 40 | 1.0 | " | 40.0 | | 99.7 | 80-120 | 5.08 | 20 | |
| Total Trihalomethanes | 76 | 1.0 | " | 80.0 | | 94.6 | 80-120 | 5.37 | 20 | |
| Total Xylenes | 60 | 1.0 | " | 60.0 | | 99.4 | 80-120 | 4.19 | 20 | |
| Surrogate: 4-Bromofluorobenzene | 4.9 | | " | 5.00 | | 98.2 | 70-130 | | | |
| Surrogate: 1,2-Dichlorobenzene-d4 | 5.0 | | " | 5.00 | | 101 | 70-130 | | | |

| Matrix Spike (B9D1366-MS1) | Source: 19D1585-01 | | | Prepared & Analyzed: 11-Apr-19 | | | | | | |
|-----------------------------------|---------------------------|-----|------|---|----|------|--------|--|--|--|
| Dichlorodifluoromethane | 18 | 1.0 | ug/L | 20.0 | ND | 91.2 | 80-120 | | | |
| Chloromethane | 19 | 1.0 | " | 20.0 | ND | 93.3 | 80-120 | | | |
| Vinyl Chloride | 18 | 1.0 | " | 20.0 | ND | 88.2 | 80-120 | | | |
| Bromomethane | 18 | 1.0 | " | 20.0 | ND | 91.0 | 80-120 | | | |
| Chloroethane | 19 | 1.0 | " | 20.0 | ND | 94.3 | 80-120 | | | |

Envirodyne Laboratories, Inc.

Monica Smith

Monica Smith, Client Services Representative

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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: 19D1498

Reported:
 16-Apr-19 13:10

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 B9D1366 - Organics

| Matrix Spike (B9D1366-MS1) | Source: 19D1585-01 | | | Prepared & Analyzed: 11-Apr-19 | | | | | | |
|--------------------------------|--------------------|-----|------|--------------------------------|----|------|--------|--|--|---|
| Trichlorofluoromethane | 19 | 1.0 | ug/L | 20.0 | ND | 93.2 | 80-120 | | | |
| Diethyl ether | 17 | 1.0 | " | 20.0 | ND | 87.2 | 80-120 | | | |
| 1,1-Dichloroethene | 18 | 1.0 | " | 20.0 | ND | 87.8 | 80-120 | | | |
| Carbon Disulfide | 13 | 1.0 | " | 20.0 | ND | 64.6 | 80-120 | | | Q |
| Methylene Chloride | 16 | 1.0 | " | 20.0 | ND | 81.6 | 80-120 | | | |
| MTBE (Methyl tert-butyl ether) | 15 | 1.0 | " | 20.0 | ND | 77.3 | 80-120 | | | Q |
| trans-1,2-Dichloroethene | 16 | 1.0 | " | 20.0 | ND | 78.8 | 80-120 | | | Q |
| 1,1-Dichloroethane | 16 | 1.0 | " | 20.0 | ND | 82.0 | 80-120 | | | |
| 2,2-Dichloropropane | 14 | 1.0 | " | 20.0 | ND | 71.0 | 80-120 | | | Q |
| cis-1,2-Dichloroethene | 17 | 1.0 | " | 20.0 | ND | 83.4 | 80-120 | | | |
| Bromochloromethane | 17 | 1.0 | " | 20.0 | ND | 85.7 | 80-120 | | | |
| Chloroform | 18 | 1.0 | " | 20.0 | ND | 89.9 | 80-120 | | | |
| 1,2-Dichloroethane | 17 | 1.0 | " | 20.0 | ND | 87.3 | 80-120 | | | |
| 1,1,1-Trichloroethane | 17 | 1.0 | " | 20.0 | ND | 84.0 | 80-120 | | | |
| Methyl Acrylate | 17 | 1.0 | " | 20.0 | ND | 84.4 | 80-120 | | | |
| Tetrahydrofuran | 18 | 1.0 | " | 20.0 | ND | 91.4 | 80-120 | | | |
| Carbon Tetrachloride | 17 | 1.0 | " | 20.0 | ND | 85.0 | 80-120 | | | |
| 1,1-Dichloropropene | 17 | 1.0 | " | 20.0 | ND | 84.6 | 80-120 | | | |
| Benzene | 17 | 1.0 | " | 20.0 | ND | 86.0 | 80-120 | | | |
| Trichloroethene | 17 | 1.0 | " | 20.0 | ND | 83.6 | 80-120 | | | |
| 1,2-Dichloropropane | 17 | 1.0 | " | 20.0 | ND | 82.8 | 80-120 | | | |
| Methyl methacrylate | 17 | 1.0 | " | 20.0 | ND | 83.0 | 80-120 | | | |
| Dibromomethane | 18 | 1.0 | " | 20.0 | ND | 90.6 | 80-120 | | | |
| Bromodichloromethane | 17 | 1.0 | " | 20.0 | ND | 85.8 | 80-120 | | | |
| cis-1,3-Dichloropropene | 16 | 1.0 | " | 20.0 | ND | 78.8 | 80-120 | | | Q |
| trans-1,3-Dichloropropene | 15 | 1.0 | " | 20.0 | ND | 73.6 | 80-120 | | | Q |
| 1,1,2-Trichloroethane | 18 | 1.0 | " | 20.0 | ND | 89.8 | 80-120 | | | |
| Dibromochloromethane | 16 | 1.0 | " | 20.0 | ND | 80.0 | 80-120 | | | |
| 1,2-Dibromoethane | 18 | 1.0 | " | 20.0 | ND | 90.4 | 80-120 | | | |
| Toluene | 17 | 1.0 | " | 20.0 | ND | 82.6 | 80-120 | | | |
| Tetrachloroethene | 16 | 1.0 | " | 20.0 | ND | 81.2 | 80-120 | | | |
| 1,3-Dichloropropane | 18 | 1.0 | " | 20.0 | ND | 88.8 | 80-120 | | | |

Envirodyne Laboratories, Inc.

Monica Smith, Client Services Representative

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

Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19D1498

Reported:
 16-Apr-19 13:10

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 B9D1366 - Organics

| Matrix Spike (B9D1366-MS1) | Source: 19D1585-01 | | | Prepared & Analyzed: 11-Apr-19 | | | | | | |
|-----------------------------------|---------------------------|-----|------|---|----|------|--------|--|--|---|
| Chlorobenzene | 14 | 1.0 | ug/L | 20.0 | ND | 69.8 | 80-120 | | | Q |
| 1,1,1,2-Tetrachloroethane | 16 | 1.0 | " | 20.0 | ND | 81.5 | 80-120 | | | |
| Ethylbenzene | 17 | 1.0 | " | 20.0 | ND | 82.6 | 80-120 | | | |
| m,p-Xylene | 34 | 1.0 | " | 40.0 | ND | 85.6 | 80-120 | | | |
| o-Xylene | 16 | 1.0 | " | 20.0 | ND | 82.4 | 80-120 | | | |
| Styrene | 17 | 1.0 | " | 20.0 | ND | 85.0 | 80-120 | | | |
| Bromoform | 16 | 1.0 | " | 20.0 | ND | 80.9 | 80-120 | | | |
| Isopropylbenzene (Cumene) | 17 | 1.0 | " | 20.0 | ND | 83.2 | 80-120 | | | |
| 1,1,2,2-Tetrachloroethane | 18 | 1.0 | " | 20.0 | ND | 90.2 | 80-120 | | | |
| trans-1,4-Dichloro-2-butene | 15 | 1.0 | " | 20.0 | ND | 76.8 | 80-120 | | | Q |
| 1,2,3-Trichloropropane | 17 | 1.0 | " | 20.0 | ND | 84.0 | 80-120 | | | |
| Bromobenzene | 17 | 1.0 | " | 20.0 | ND | 83.5 | 80-120 | | | |
| n-Propylbenzene | 16 | 1.0 | " | 20.0 | ND | 81.9 | 80-120 | | | |
| 2-Chlorotoluene | 16 | 1.0 | " | 20.0 | ND | 82.4 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 17 | 1.0 | " | 20.0 | ND | 84.8 | 80-120 | | | |
| 4-Chlorotoluene | 16 | 1.0 | " | 20.0 | ND | 81.4 | 80-120 | | | |
| tert-butyl Benzene | 16 | 1.0 | " | 20.0 | ND | 80.4 | 80-120 | | | |
| 1,2,4-Trimethylbenzene | 17 | 1.0 | " | 20.0 | ND | 83.3 | 80-120 | | | |
| sec-butyl Benzene | 15 | 1.0 | " | 20.0 | ND | 74.6 | 80-120 | | | Q |
| p-Isopropyltoluene | 16 | 1.0 | " | 20.0 | ND | 77.8 | 80-120 | | | Q |
| 1,3-Dichlorobenzene | 16 | 1.0 | " | 20.0 | ND | 80.8 | 80-120 | | | |
| 1,4-Dichlorobenzene | 16 | 1.0 | " | 20.0 | ND | 78.2 | 80-120 | | | Q |
| n-butyl Benzene | 16 | 1.0 | " | 20.0 | ND | 80.4 | 80-120 | | | |
| 1,2-Dichlorobenzene | 16 | 1.0 | " | 20.0 | ND | 80.0 | 80-120 | | | |
| 1,2-Dibromo-3-chloropropane | 17 | 1.0 | " | 20.0 | ND | 83.1 | 80-120 | | | |
| 1,2,4-Trichlorobenzene | 16 | 1.0 | " | 20.0 | ND | 80.2 | 80-120 | | | |
| Hexachlorobutadiene | 17 | 1.0 | " | 20.0 | ND | 86.7 | 80-120 | | | |
| Naphthalene | 16 | 1.0 | " | 20.0 | ND | 81.2 | 80-120 | | | |
| 1,2,3-Trichlorobenzene | 17 | 1.0 | " | 20.0 | ND | 84.7 | 80-120 | | | |
| Total Trichloroethanes | 35 | 1.0 | " | 40.0 | ND | 86.9 | 80-120 | | | |
| Total Trihalomethanes | 67 | 1.0 | " | 80.0 | ND | 84.1 | 80-120 | | | |
| Total Xylenes | 51 | 1.0 | " | 60.0 | ND | 84.6 | 80-120 | | | |

Envirodyne Laboratories, Inc.

Monica Smith, Client Services Representative

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| | |
|--|------------------|
| Client: Deer Park, City of | Reported: |
| Project: Deer Park, City of - ITC Water Check | 16-Apr-19 13:10 |
| Work Order: 19D1498 | |

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 B9D1366 - Organics

| Matrix Spike (B9D1366-MS1) | Source: 19D1585-01 | Prepared & Analyzed: 11-Apr-19 |
|-----------------------------------|--------------------|--------------------------------|
| Surrogate: 4-Bromofluorobenzene | 5.2 | ug/L 5.00 104 70-130 |
| Surrogate: 1,2-Dichlorobenzene-d4 | 5.6 | " 5.00 113 70-130 |

Envirodyne Laboratories, Inc.

Monica Smith, Client Services Representative

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Client: Deer Park, City of
Project: Deer Park, City of - ITC Water Check
Work Order: 19D1498

Reported:
16-Apr-19 13:10

Notes and Definitions

RPD Relative Percent Difference
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

Envirodyne Laboratories, Inc.

A handwritten signature in blue ink that reads "Monica Smith". The signature is written in a cursive style with a large, flowing 'M' and 'S'.

Monica Smith, Client Services Representative

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.



1901498

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

E A245845

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 | | | |
| | Raw Water | 4/8/19 0926 | | | (3) 40ml VOA | Liquid | Ice | VOC 524.2 | | | |
| | Finished Water | 4/8/19 0917 | | | (3) 40ml VOA | Liquid | Ice | VOC 524.2 | | | |
| | Trip Blank | | | | (2) 40ml VOA | Liquid | Ice | VOC 524.2 | | | |
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|--|--|---|--|-----------------------------|----------------|
| Samplers: (Signature) FRANK T WALKER | Relinquished by: FRANK T WALKER (Signature) | Date: 4/8/19 Time: 1225 | Received by: R. MORTON (Signature) | Date: 4-9-19 Time: 1225 | Seal Intact? |
| Affiliation | Relinquished by: _____ (Signature) | Date: _____ Time: _____ | Received by: _____ (Signature) | Date: _____ Time: _____ | Seal Intact? |
| Remarks: | Relinquished by: R. Morton (Signature) | Date: 4-9-19 Time: 1355 | Received by Lab: _____ (Signature) | Date: 4/9/19 Time: 1355 | Seal Intact? |
| | FLOW: _____ Meter Reading: _____ Cl ₂ Residual: _____ Mn Correction: _____ Cl ₂ Corrected: _____ | Arrival Temp: 4.7/3.9 IR#4 | Data Results To: _____ 1. Site Representative: FRANK T WALKER | Date: 4/8/19 Time: _____ | Laboratory No. |