



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

21 March 2023

Sweeny, City of  
Gene West  
102 W. Ashley Wilson  
Sweeny, TX 77480

**Sweeny, (City of) Water**

Enclosed are the results of analyses for samples received by the laboratory on 08-Mar-23 08:29. 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 18

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: T104704265-22-20



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**Client:** Sweeny, City of  
**Project:** Sweeny, (City of) Water  
**Work Order:** 23C1353

**Reported:**  
21-Mar-23 13:40

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GST	23C1353-01	Water	07-Mar-23 14:54	08-Mar-23 08:29

No Tentatively Identified Compounds (tics) found in the sample.  
L-Sample analyzed by TNI accredited lab T104704231-22-29

Envirodyne Laboratories, Inc.

Monica Smith, Client Services Representative

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**CERTIFICATE OF ANALYSIS**

CLIENT:	<b>City of Sweeny</b>	LAB NUMBER:	23C1353
DATE COLLECTED:	07-Mar-23	DATE RECEIVED:	07-Mar-23
DATE COMPLETED:	10-Mar-23	SAMPLED BY:	AS

LOCATION:	<b>GST</b>		TCEQ
	<b>@ 1454</b>	EPA	LIMITS
PARAMETERS:		METHOD #	(mg/l)
pH (Units)	7.11	SM 4500-H B	>7.0
TOTAL HARDNESS as CaCO3(mg/l)	359.7	SM 2340 C	N/A
TOTAL ALKALINITY as CaCO3 (mg/l)	328.0	SM 2320 B	N/A
P. ALKALINITY as CaCO3 (mg/l)	<20.0	SM 2320 B	N/A
BICARBONATE (mg/l)	400.1	SM 4500-CO2 D	N/A
CARBONATE (mg/l)	<1.0	SM 4500-CO2 D	N/A
TOTAL DISSOLVED SOLIDS (mg/l)	740.0	SM 2540 C	1,000.0
CONDUCTANCE at 25C (umho/cm)	1260.0	SM 2510 B	N/A
FREE CO2 (mg/l)	70.0	N/A	N/A
SILICA as SiO2 (mg/l)	20.07	EPA 200.5	N/A
CALCIUM as CaCO3 (mg/l)	227.2	calc.	N/A
CALCIUM (mg/l)	91.0	200.7	N/A
MAGNESIUM as CaCO3 (mg/l)	132.5	calc.	N/A
MAGNESIUM (mg/l)	32.20	200.7	N/A
COLOR (Units)	<1.0	SM 2120 C	15.0
TURBIDITY (Units)	0.53	SM 2130 B	1.0
SODIUM (mg/l)	124.0	200.7	N/A
POTASSIUM (mg/l)	3.6	200.7	N/A
TOTAL IRON (mg/l)	0.048	200.7	0.30 *
TOTAL MANGANESE (mg/l)	0.092	200.7	0.05 *
TOTAL ZINC (mg/l)	0.025	200.8	5.0 *
TOTAL ANTIMONY (mg/l)	<0.0005	200.8	0.006
TOTAL ALUMINUM (mg/l)	0.002	200.8	0.05 - 0.20*
TOTAL ARSENIC (mg/l)	0.001	200.8	0.01
TOTAL BARIUM (mg/l)	0.153	200.8	1.0
TOTAL BERYLLIUM (mg/l)-n	<0.0005	200.8	0.004
TOTAL COPPER (mg/l)	0.001	200.8	1.00
TOTAL SILVER (mg/l)	<0.0005	200.8	0.05
TOTAL NICKEL (mg/l)	0.002	200.8	0.10
TOTAL CADMIUM (mg/l)	<0.0005	200.8	0.010
TOTAL CHROMIUM (mg/l)	<0.002	200.8	0.05
TOTAL LEAD (mg/l)	0.0006	200.8	0.015
TOTAL MERCURY (mg/l)-L	<0.0002	245.1	0.002
TOTAL SELENIUM (mg/l)	<0.002	200.8	0.01
TOTAL THALLIUM (mg/l)	<0.0005	200.8	0.002
SULFATE (mg/l)	27.10	ASTM D516-07	300.0 *
CHLORIDE (mg/l)	255.0	SM4500 Cl-B	300.0 *
NITRATE (mg/l)	0.50	SM 4500-NO3 D	10.0
NITRITE (mg/l)	<0.05	SM 4500-NO2 B	1.00
FLUORIDE (mg/l)	0.49	SM 4500-F C	2.00
ODOR (THRESHOLD #)	< 1.0	N/A	3.0
TEMPERATURE (C/F)	22/71.6	N/A	N/A
LANGELIER INDEX	+0.11	N/A	N/A
RYZNER STABILITY	6.91	N/A	N/A
AGGRESSIVE INDEX	12.18	N/A	N/A
HYDROGEN SULFIDE (mg/l)	<0.05	SM 4500-S2 H	0.05

Monica Smith  
 CERTIFIED BY

\* DENOTES: Secondary Standards (Recommended)  
 L-Analyzed by NELAC certified lab T104704215-15  
 n- not accredited



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**Project:** Sweeny, (City of) Water  
**Work Order:** 23C1353

**Reported:**  
 21-Mar-23 13:40

**GST**

**23C1353-01 (Water) Sampled: 07-Mar-23 14:54**

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	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Chloromethane	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Vinyl Chloride	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Bromomethane	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Chloroethane	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Trichlorofluoromethane	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Diethyl ether	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
1,1-Dichloroethene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Carbon Disulfide	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Methylene Chloride	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
MTBE (Methyl tert-butyl ether)	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
trans-1,2-Dichloroethene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
1,1-Dichloroethane	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
2,2-Dichloropropane	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
cis-1,2-Dichloroethene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Bromochloromethane	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Chloroform	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
1,2-Dichloroethane	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
1,1,1-Trichloroethane	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Methyl Acrylate	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Tetrahydrofuran	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Carbon Tetrachloride	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
1,1-Dichloropropene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Benzene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Trichloroethene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
1,2-Dichloropropane	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Methyl methacrylate	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Dibromomethane	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Bromodichloromethane	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
cis-1,3-Dichloropropene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	

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**Project:** Sweeny, (City of) Water  
**Work Order:** 23C1353

**Reported:**  
 21-Mar-23 13:40

**GST**

**23C1353-01 (Water) Sampled: 07-Mar-23 14:54**

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	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
1,1,2-Trichloroethane	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
<b>Dibromochloromethane</b>	<b>1.02</b>	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
1,2-Dibromoethane	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Toluene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Tetrachloroethene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
1,3-Dichloropropane	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Chlorobenzene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
1,1,1,2-Tetrachloroethane	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Ethylbenzene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
m,p-Xylene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
o-Xylene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Styrene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
<b>Bromoform</b>	<b>1.91</b>	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Isopropylbenzene (Cumene)	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
1,1,2,2-Tetrachloroethane	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
1,2,3-Trichloropropane	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Bromobenzene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
2-Chlorotoluene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
1,3,5-Trimethylbenzene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
4-Chlorotoluene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
tert-butyl Benzene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
1,2,4-Trimethylbenzene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
sec-butyl Benzene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
p-Isopropyltoluene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
1,3-Dichlorobenzene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
1,4-Dichlorobenzene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
n-butyl Benzene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
1,2-Dichlorobenzene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
1,2-Dibromo-3-chloropropane	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	

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*Monica Smith*

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**Project:** Sweeny, (City of) Water  
**Work Order:** 23C1353

**Reported:**  
 21-Mar-23 13:40

**GST**

**23C1353-01 (Water) Sampled: 07-Mar-23 14:54**

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**

1,2,4-Trichlorobenzene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Hexachlorobutadiene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Naphthalene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
1,2,3-Trichlorobenzene	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Total Trichloroethanes	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
<b>Total Trihalomethanes</b>	<b>2.93</b>	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
Total Xylenes	<1.00	1.00	ug/L	1	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
<i>Surrogate: 4-Bromofluorobenzene</i>		106 %		70-130	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>		110 %		70-130	B3C4311	09-Mar-23	09-Mar-23 20:06	EPA 524.2	BPC	

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**Work Order:** 23C1353

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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
<b>Batch B3C4311 - Organics</b>										
<b>Blank (B3C4311-BLK1)</b>										
Prepared & Analyzed: 09-Mar-23										
Dichlorodifluoromethane	<1.00	1.00	ug/L							
Chloromethane	<1.00	1.00	"							
Vinyl Chloride	<1.00	1.00	"							
Bromomethane	<1.00	1.00	"							
Chloroethane	<1.00	1.00	"							
Trichlorofluoromethane	<1.00	1.00	"							
Diethyl ether	<1.00	1.00	"							
1,1-Dichloroethene	<1.00	1.00	"							
Carbon Disulfide	<1.00	1.00	"							
Methylene Chloride	<1.00	1.00	"							
MTBE (Methyl tert-butyl ether)	<1.00	1.00	"							
trans-1,2-Dichloroethene	<1.00	1.00	"							
1,1-Dichloroethane	<1.00	1.00	"							
2,2-Dichloropropane	<1.00	1.00	"							
cis-1,2-Dichloroethene	<1.00	1.00	"							
Bromochloromethane	<1.00	1.00	"							
Chloroform	<1.00	1.00	"							
1,2-Dichloroethane	<1.00	1.00	"							
1,1,1-Trichloroethane	<1.00	1.00	"							
Methyl Acrylate	<1.00	1.00	"							
Tetrahydrofuran	<1.00	1.00	"							
Carbon Tetrachloride	<1.00	1.00	"							
1,1-Dichloropropene	<1.00	1.00	"							
Benzene	<1.00	1.00	"							
Trichloroethene	<1.00	1.00	"							
1,2-Dichloropropane	<1.00	1.00	"							
Methyl methacrylate	<1.00	1.00	"							
Dibromomethane	<1.00	1.00	"							
Bromodichloromethane	<1.00	1.00	"							
cis-1,3-Dichloropropene	<1.00	1.00	"							
trans-1,3-Dichloropropene	<1.00	1.00	"							
1,1,2-Trichloroethane	<1.00	1.00	"							

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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 B3C4311 - Organics**

**Blank (B3C4311-BLK1)**

Prepared & Analyzed: 09-Mar-23

Dibromochloromethane	<1.00	1.00	ug/L							
1,2-Dibromoethane	<1.00	1.00	"							
Toluene	<1.00	1.00	"							
Tetrachloroethene	<1.00	1.00	"							
1,3-Dichloropropane	<1.00	1.00	"							
Chlorobenzene	<1.00	1.00	"							
1,1,1,2-Tetrachloroethane	<1.00	1.00	"							
Ethylbenzene	<1.00	1.00	"							
m,p-Xylene	<1.00	1.00	"							
o-Xylene	<1.00	1.00	"							
Styrene	<1.00	1.00	"							
Bromoform	<1.00	1.00	"							
Isopropylbenzene (Cumene)	<1.00	1.00	"							
1,1,2,2-Tetrachloroethane	<1.00	1.00	"							
1,2,3-Trichloropropane	<1.00	1.00	"							
Bromobenzene	<1.00	1.00	"							
2-Chlorotoluene	<1.00	1.00	"							
1,3,5-Trimethylbenzene	<1.00	1.00	"							
4-Chlorotoluene	<1.00	1.00	"							
tert-butyl Benzene	<1.00	1.00	"							
1,2,4-Trimethylbenzene	<1.00	1.00	"							
sec-butyl Benzene	<1.00	1.00	"							
p-Isopropyltoluene	<1.00	1.00	"							
1,3-Dichlorobenzene	<1.00	1.00	"							
1,4-Dichlorobenzene	<1.00	1.00	"							
n-butyl Benzene	<1.00	1.00	"							
1,2-Dichlorobenzene	<1.00	1.00	"							
1,2-Dibromo-3-chloropropane	<1.00	1.00	"							
1,2,4-Trichlorobenzene	<1.00	1.00	"							
Hexachlorobutadiene	<1.00	1.00	"							
Naphthalene	<1.00	1.00	"							
1,2,3-Trichlorobenzene	<1.00	1.00	"							

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:** Sweeny, City of  
**Project:** Sweeny, (City of) Water  
**Work Order:** 23C1353

**Reported:**  
 21-Mar-23 13:40

**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 B3C4311 - Organics**

**Blank (B3C4311-BLK1)**

Prepared & Analyzed: 09-Mar-23

Total Trichloroethanes	<1.00	1.00	ug/L							
Total Trihalomethanes	<1.00	1.00	"							
Total Xylenes	<1.00	1.00	"							
Surrogate: 4-Bromofluorobenzene	26		"	25.0		105	70-130			
Surrogate: 1,2-Dichlorobenzene-d4	27		"	25.0		110	70-130			

**LCS (B3C4311-BS1)**

Prepared & Analyzed: 09-Mar-23

Dichlorodifluoromethane	17.2	1.00	ug/L	20.0		86.2	80-120			
Chloromethane	18.6	1.00	"	20.0		93.0	80-120			
Vinyl Chloride	19.8	1.00	"	20.0		99.2	80-120			
Bromomethane	21.2	1.00	"	20.0		106	80-120			
Chloroethane	21.8	1.00	"	20.0		109	80-120			
Trichlorofluoromethane	19.1	1.00	"	20.0		95.6	80-120			
Diethyl ether	18.5	1.00	"	20.0		92.4	80-120			
1,1-Dichloroethene	17.8	1.00	"	20.0		88.9	80-120			
Carbon Disulfide	17.5	1.00	"	20.0		87.6	80-120			
Methylene Chloride	17.8	1.00	"	20.0		88.8	80-120			
MTBE (Methyl tert-butyl ether)	17.2	1.00	"	20.0		86.0	80-120			
trans-1,2-Dichloroethene	17.6	1.00	"	20.0		87.9	80-120			
1,1-Dichloroethane	18.5	1.00	"	20.0		92.6	80-120			
2,2-Dichloropropane	17.4	1.00	"	20.0		87.2	80-120			
cis-1,2-Dichloroethene	18.7	1.00	"	20.0		93.4	80-120			
Bromochloromethane	18.1	1.00	"	20.0		90.6	80-120			
Chloroform	16.5	1.00	"	20.0		82.6	80-120			
1,2-Dichloroethane	17.3	1.00	"	20.0		86.7	80-120			
1,1,1-Trichloroethane	18.3	1.00	"	20.0		91.5	80-120			
Methyl Acrylate	16.7	1.00	"	20.0		83.4	80-120			
Tetrahydrofuran	16.9	1.00	"	20.0		84.6	80-120			
Carbon Tetrachloride	17.7	1.00	"	20.0		88.4	80-120			
1,1-Dichloropropene	16.4	1.00	"	20.0		82.0	80-120			
Benzene	18.1	1.00	"	20.0		90.6	80-120			
Trichloroethene	18.3	1.00	"	20.0		91.6	80-120			

Envirodyne Laboratories, Inc.

*Monica Smith*

Monica Smith, Client Services Representative

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**Client:** Sweeny, City of  
**Project:** Sweeny, (City of) Water  
**Work Order:** 23C1353

**Reported:**  
 21-Mar-23 13:40

**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 B3C4311 - Organics**

LCS (B3C4311-BS1)		Prepared & Analyzed: 09-Mar-23								
1,2-Dichloropropane	18.3	1.00	ug/L	20.0		91.3	80-120			
Methyl methacrylate	17.5	1.00	"	20.0		87.6	80-120			
Dibromomethane	19.4	1.00	"	20.0		97.0	80-120			
Bromodichloromethane	18.8	1.00	"	20.0		94.2	80-120			
cis-1,3-Dichloropropene	18.7	1.00	"	20.0		93.5	80-120			
trans-1,3-Dichloropropene	18.8	1.00	"	20.0		93.8	80-120			
1,1,2-Trichloroethane	19.2	1.00	"	20.0		96.0	80-120			
Dibromochloromethane	18.8	1.00	"	20.0		94.1	80-120			
1,2-Dibromoethane	18.5	1.00	"	20.0		92.4	80-120			
Toluene	19.2	1.00	"	20.0		96.2	80-120			
Tetrachloroethene	19.4	1.00	"	20.0		96.8	80-120			
1,3-Dichloropropane	19.1	1.00	"	20.0		95.4	80-120			
Chlorobenzene	19.0	1.00	"	20.0		95.2	80-120			
1,1,1,2-Tetrachloroethane	19.2	1.00	"	20.0		96.1	80-120			
Ethylbenzene	19.2	1.00	"	20.0		95.9	80-120			
m,p-Xylene	39.3	1.00	"	40.0		98.3	80-120			
o-Xylene	19.4	1.00	"	20.0		97.0	80-120			
Styrene	19.2	1.00	"	20.0		96.0	80-120			
Bromoform	17.7	1.00	"	20.0		88.4	80-120			
Isopropylbenzene (Cumene)	19.2	1.00	"	20.0		96.2	80-120			
1,1,2,2-Tetrachloroethane	18.6	1.00	"	20.0		93.2	80-120			
1,2,3-Trichloropropane	19.2	1.00	"	20.0		96.0	80-120			
Bromobenzene	19.6	1.00	"	20.0		97.8	80-120			
n-Propylbenzene	20.2	1.00	"	20.0		101	80-120			
2-Chlorotoluene	19.8	1.00	"	20.0		98.8	80-120			
1,3,5-Trimethylbenzene	21.0	1.00	"	20.0		105	80-120			
4-Chlorotoluene	20.2	1.00	"	20.0		101	80-120			
tert-butyl Benzene	20.1	1.00	"	20.0		100	80-120			
1,2,4-Trimethylbenzene	19.9	1.00	"	20.0		99.7	80-120			
sec-butyl Benzene	20.1	1.00	"	20.0		101	80-120			
p-Isopropyltoluene	20.1	1.00	"	20.0		100	80-120			
1,3-Dichlorobenzene	19.7	1.00	"	20.0		98.5	80-120			

Envirodyne Laboratories, Inc.

Monica Smith, Client Services Representative

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 www.envirodyne.com

**Client:** Sweeny, City of  
**Project:** Sweeny, (City of) Water  
**Work Order:** 23C1353

**Reported:**  
 21-Mar-23 13:40

**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 B3C4311 - Organics**

<b>LCS (B3C4311-BS1)</b>		Prepared & Analyzed: 09-Mar-23								
1,4-Dichlorobenzene	19.1	1.00	ug/L	20.0		95.4	80-120			
n-butyl Benzene	19.8	1.00	"	20.0		98.9	80-120			
1,2-Dichlorobenzene	18.4	1.00	"	20.0		92.0	80-120			
1,2-Dibromo-3-chloropropane	17.7	1.00	"	20.0		88.7	80-120			
1,2,4-Trichlorobenzene	19.6	1.00	"	20.0		97.9	80-120			
Hexachlorobutadiene	19.5	1.00	"	20.0		97.3	80-120			
Naphthalene	19.4	1.00	"	20.0		96.8	80-120			
1,2,3-Trichlorobenzene	19.6	1.00	"	20.0		97.9	80-120			
Total Trichloroethanes	37.5	1.00	"	40.0		93.8	80-120			
Total Trihalomethanes	71.9	1.00	"	80.0		89.8	80-120			
Total Xylenes	58.7	1.00	"	60.0		97.9	80-120			
Surrogate: 4-Bromofluorobenzene	26		"	25.0		105	70-130			
Surrogate: 1,2-Dichlorobenzene-d4	26		"	25.0		104	70-130			

<b>LCS Dup (B3C4311-BS1)</b>		Prepared & Analyzed: 09-Mar-23								
Dichlorodifluoromethane	16.5	1.00	ug/L	20.0		82.4	80-120	4.45	20	
Chloromethane	20.2	1.00	"	20.0		101	80-120	8.30	20	
Vinyl Chloride	20.9	1.00	"	20.0		104	80-120	5.16	20	
Bromomethane	21.6	1.00	"	20.0		108	80-120	1.54	20	
Chloroethane	23.7	1.00	"	20.0		118	80-120	8.09	20	
Trichlorofluoromethane	20.7	1.00	"	20.0		104	80-120	8.08	20	
Diethyl ether	20.2	1.00	"	20.0		101	80-120	8.90	20	
1,1-Dichloroethene	19.6	1.00	"	20.0		97.9	80-120	9.64	20	
Carbon Disulfide	18.3	1.00	"	20.0		91.4	80-120	4.24	20	
Methylene Chloride	19.1	1.00	"	20.0		95.4	80-120	7.17	20	
MTBE (Methyl tert-butyl ether)	19.5	1.00	"	20.0		97.4	80-120	12.4	20	
trans-1,2-Dichloroethene	19.4	1.00	"	20.0		97.2	80-120	10.0	20	
1,1-Dichloroethane	20.0	1.00	"	20.0		99.8	80-120	7.48	20	
2,2-Dichloropropane	18.8	1.00	"	20.0		94.2	80-120	7.66	20	
cis-1,2-Dichloroethene	20.4	1.00	"	20.0		102	80-120	8.99	20	
Bromochloromethane	20.2	1.00	"	20.0		101	80-120	10.8	20	
Chloroform	18.1	1.00	"	20.0		90.3	80-120	8.91	20	

Envirodyne Laboratories, Inc.

*Monica Smith*

Monica Smith, Client Services Representative

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

**Client:** Sweeny, City of  
**Project:** Sweeny, (City of) Water  
**Work Order:** 23C1353

**Reported:**  
 21-Mar-23 13:40

**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 B3C4311 - Organics**

LCS Dup (B3C4311-BSD1)		Prepared & Analyzed: 09-Mar-23								
1,2-Dichloroethane	20.1	1.00	ug/L	20.0	101	80-120	14.8	20		
1,1,1-Trichloroethane	19.2	1.00	"	20.0	96.2	80-120	5.06	20		
Methyl Acrylate	19.3	1.00	"	20.0	96.3	80-120	14.3	20		
Tetrahydrofuran	18.8	1.00	"	20.0	94.2	80-120	10.8	20		
Carbon Tetrachloride	19.2	1.00	"	20.0	95.8	80-120	8.04	20		
1,1-Dichloropropene	17.6	1.00	"	20.0	88.0	80-120	6.94	20		
Benzene	19.2	1.00	"	20.0	96.2	80-120	5.94	20		
Trichloroethene	17.9	1.00	"	20.0	89.6	80-120	2.21	20		
1,2-Dichloropropane	18.0	1.00	"	20.0	89.9	80-120	1.55	20		
Methyl methacrylate	18.3	1.00	"	20.0	91.6	80-120	4.52	20		
Dibromomethane	19.9	1.00	"	20.0	99.4	80-120	2.49	20		
Bromodichloromethane	18.7	1.00	"	20.0	93.6	80-120	0.532	20		
cis-1,3-Dichloropropene	18.5	1.00	"	20.0	92.6	80-120	1.02	20		
trans-1,3-Dichloropropene	19.0	1.00	"	20.0	94.8	80-120	1.17	20		
1,1,2-Trichloroethane	19.0	1.00	"	20.0	95.0	80-120	1.15	20		
Dibromochloromethane	18.7	1.00	"	20.0	93.6	80-120	0.479	20		
1,2-Dibromoethane	19.0	1.00	"	20.0	94.8	80-120	2.57	20		
Toluene	18.9	1.00	"	20.0	94.6	80-120	1.62	20		
Tetrachloroethene	18.6	1.00	"	20.0	93.2	80-120	3.79	20		
1,3-Dichloropropane	19.3	1.00	"	20.0	96.6	80-120	1.25	20		
Chlorobenzene	18.3	1.00	"	20.0	91.6	80-120	3.91	20		
1,1,1,2-Tetrachloroethane	18.3	1.00	"	20.0	91.4	80-120	4.96	20		
Ethylbenzene	18.2	1.00	"	20.0	91.2	80-120	5.08	20		
m,p-Xylene	37.7	1.00	"	40.0	94.3	80-120	4.21	20		
o-Xylene	18.8	1.00	"	20.0	94.2	80-120	3.03	20		
Styrene	18.5	1.00	"	20.0	92.4	80-120	3.87	20		
Bromoform	18.5	1.00	"	20.0	92.6	80-120	4.53	20		
Isopropylbenzene (Cumene)	18.2	1.00	"	20.0	91.0	80-120	5.56	20		
1,1,2,2-Tetrachloroethane	17.9	1.00	"	20.0	89.5	80-120	4.05	20		
1,2,3-Trichloropropane	17.9	1.00	"	20.0	89.6	80-120	6.84	20		
Bromobenzene	18.2	1.00	"	20.0	90.9	80-120	7.36	20		
n-Propylbenzene	17.9	1.00	"	20.0	89.4	80-120	12.1	20		

Envirodyne Laboratories, Inc.

Monica Smith, Client Services Representative

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**Client:** Sweeny, City of  
**Project:** Sweeny, (City of) Water  
**Work Order:** 23C1353

**Reported:**  
 21-Mar-23 13:40

**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 B3C4311 - Organics**

<b>LCS Dup (B3C4311-BSD1)</b>		Prepared & Analyzed: 09-Mar-23								
2-Chlorotoluene	17.9	1.00	ug/L	20.0		89.4	80-120	10.0	20	
1,3,5-Trimethylbenzene	18.6	1.00	"	20.0		93.0	80-120	12.1	20	
4-Chlorotoluene	18.1	1.00	"	20.0		90.4	80-120	11.3	20	
tert-butyl Benzene	18.1	1.00	"	20.0		90.4	80-120	10.6	20	
1,2,4-Trimethylbenzene	17.7	1.00	"	20.0		88.6	80-120	11.7	20	
sec-butyl Benzene	18.0	1.00	"	20.0		90.2	80-120	10.9	20	
p-Isopropyltoluene	17.7	1.00	"	20.0		88.6	80-120	12.5	20	
1,3-Dichlorobenzene	17.8	1.00	"	20.0		89.0	80-120	10.2	20	
1,4-Dichlorobenzene	17.0	1.00	"	20.0		84.8	80-120	11.8	20	
n-butyl Benzene	18.3	1.00	"	20.0		91.3	80-120	7.99	20	
1,2-Dichlorobenzene	17.2	1.00	"	20.0		85.8	80-120	6.97	20	
1,2-Dibromo-3-chloropropane	18.1	1.00	"	20.0		90.5	80-120	2.01	20	
1,2,4-Trichlorobenzene	17.4	1.00	"	20.0		87.0	80-120	11.8	20	
Hexachlorobutadiene	17.4	1.00	"	20.0		86.8	80-120	11.4	20	
Naphthalene	18.6	1.00	"	20.0		93.2	80-120	3.74	20	
1,2,3-Trichlorobenzene	17.4	1.00	"	20.0		87.0	80-120	11.8	20	
Total Trichloroethanes	38.2	1.00	"	40.0		95.6	80-120	1.93	20	
Total Trihalomethanes	74.0	1.00	"	80.0		92.5	80-120	2.97	20	
Total Xylenes	56.5	1.00	"	60.0		94.2	80-120	3.82	20	
Surrogate: 4-Bromofluorobenzene	24		"	25.0		97.4	70-130			
Surrogate: 1,2-Dichlorobenzene-d4	24		"	25.0		97.5	70-130			

<b>Matrix Spike (B3C4311-MS1)</b>		Source: 23B3780-01			Prepared & Analyzed: 09-Mar-23					
Dichlorodifluoromethane	19.6	1.00	ug/L	20.0	ND	97.8	80-120			
Chloromethane	24.2	1.00	"	20.0	ND	121	80-120			Q
Vinyl Chloride	25.4	1.00	"	20.0	ND	127	80-120			Q
Bromomethane	24.7	1.00	"	20.0	ND	123	80-120			Q
Chloroethane	28.8	1.00	"	20.0	ND	144	80-120			Q
Trichlorofluoromethane	25.1	1.00	"	20.0	ND	125	80-120			Q
Diethyl ether	24.1	1.00	"	20.0	ND	120	80-120			
1,1-Dichloroethene	22.9	1.00	"	20.0	ND	115	80-120			
Carbon Disulfide	22.2	1.00	"	20.0	ND	111	80-120			

Envirodyne Laboratories, Inc.

*Monica Smith*

Monica Smith, Client Services Representative

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**Client:** Sweeny, City of  
**Project:** Sweeny, (City of) Water  
**Work Order:** 23C1353

**Reported:**  
 21-Mar-23 13:40

**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 B3C4311 - Organics**

<b>Matrix Spike (B3C4311-MS1)</b>	<b>Source: 23B3780-01</b>			<b>Prepared &amp; Analyzed: 09-Mar-23</b>						
Methylene Chloride	23.0	1.00	ug/L	20.0	ND	115	80-120			
MTBE (Methyl tert-butyl ether)	21.4	1.00	"	20.0	ND	107	80-120			
trans-1,2-Dichloroethene	22.6	1.00	"	20.0	ND	113	80-120			
1,1-Dichloroethane	24.0	1.00	"	20.0	ND	120	80-120			
2,2-Dichloropropane	16.2	1.00	"	20.0	ND	81.2	80-120			
cis-1,2-Dichloroethene	22.1	1.00	"	20.0	ND	111	80-120			
Bromochloromethane	21.2	1.00	"	20.0	ND	106	80-120			
Chloroform	21.2	1.00	"	20.0	ND	106	80-120			
1,2-Dichloroethane	22.2	1.00	"	20.0	ND	111	80-120			
1,1,1-Trichloroethane	22.0	1.00	"	20.0	ND	110	80-120			
Methyl Acrylate	20.4	1.00	"	20.0	ND	102	80-120			
Tetrahydrofuran	20.4	1.00	"	20.0	ND	102	80-120			
Carbon Tetrachloride	23.4	1.00	"	20.0	ND	117	80-120			
1,1-Dichloropropene	19.9	1.00	"	20.0	ND	99.5	80-120			
Benzene	21.8	1.00	"	20.0	ND	109	80-120			
Trichloroethene	19.9	1.00	"	20.0	ND	99.7	80-120			
1,2-Dichloropropane	20.4	1.00	"	20.0	ND	102	80-120			
Methyl methacrylate	18.6	1.00	"	20.0	ND	93.1	80-120			
Dibromomethane	22.4	1.00	"	20.0	ND	112	80-120			
Bromodichloromethane	22.5	1.00	"	20.0	ND	112	80-120			
cis-1,3-Dichloropropene	20.1	1.00	"	20.0	ND	100	80-120			
trans-1,3-Dichloropropene	19.4	1.00	"	20.0	ND	97.2	80-120			
1,1,2-Trichloroethane	21.5	1.00	"	20.0	ND	107	80-120			
Dibromochloromethane	22.5	1.00	"	20.0	ND	113	80-120			
1,2-Dibromoethane	21.1	1.00	"	20.0	ND	105	80-120			
Toluene	22.6	1.00	"	20.0	ND	113	80-120			
Tetrachloroethene	21.4	1.00	"	20.0	ND	107	80-120			
1,3-Dichloropropane	21.5	1.00	"	20.0	ND	108	80-120			
Chlorobenzene	19.1	1.00	"	20.0	ND	95.5	80-120			
1,1,1,2-Tetrachloroethane	21.0	1.00	"	20.0	ND	105	80-120			
Ethylbenzene	20.2	1.00	"	20.0	ND	101	80-120			
m,p-Xylene	41.8	1.00	"	40.0	ND	104	80-120			

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Monica Smith, Client Services Representative

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

**Client:** Sweeny, City of  
**Project:** Sweeny, (City of) Water  
**Work Order:** 23C1353

**Reported:**  
 21-Mar-23 13:40

**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 B3C4311 - Organics**

<b>Matrix Spike (B3C4311-MS1)</b>	<b>Source: 23B3780-01</b>			<b>Prepared &amp; Analyzed: 09-Mar-23</b>						
o-Xylene	20.3	1.00	ug/L	20.0	ND	102	80-120			
Styrene	20.4	1.00	"	20.0	ND	102	80-120			
Bromoform	21.6	1.00	"	20.0	ND	108	80-120			
Isopropylbenzene (Cumene)	20.0	1.00	"	20.0	ND	100	80-120			
1,1,2,2-Tetrachloroethane	19.7	1.00	"	20.0	ND	98.3	80-120			
1,2,3-Trichloropropane	19.8	1.00	"	20.0	ND	99.1	80-120			
Bromobenzene	19.4	1.00	"	20.0	ND	96.8	80-120			
n-Propylbenzene	19.0	1.00	"	20.0	ND	94.8	80-120			
2-Chlorotoluene	18.5	1.00	"	20.0	ND	92.6	80-120			
1,3,5-Trimethylbenzene	20.2	1.00	"	20.0	ND	101	80-120			
4-Chlorotoluene	19.0	1.00	"	20.0	ND	95.0	80-120			
tert-butyl Benzene	19.5	1.00	"	20.0	ND	97.5	80-120			
1,2,4-Trimethylbenzene	19.0	1.00	"	20.0	ND	94.8	80-120			
sec-butyl Benzene	18.9	1.00	"	20.0	ND	94.6	80-120			
p-Isopropyltoluene	19.5	1.00	"	20.0	ND	97.4	80-120			
1,3-Dichlorobenzene	18.9	1.00	"	20.0	ND	94.4	80-120			
1,4-Dichlorobenzene	17.5	1.00	"	20.0	ND	87.5	80-120			
n-butyl Benzene	18.9	1.00	"	20.0	ND	94.6	80-120			
1,2-Dichlorobenzene	18.7	1.00	"	20.0	ND	93.4	80-120			
1,2-Dibromo-3-chloropropane	19.6	1.00	"	20.0	ND	98.0	80-120			
1,2,4-Trichlorobenzene	17.8	1.00	"	20.0	ND	89.0	80-120			
Hexachlorobutadiene	18.3	1.00	"	20.0	ND	91.3	80-120			
Naphthalene	18.7	1.00	"	20.0	ND	93.4	80-120			
1,2,3-Trichlorobenzene	17.8	1.00	"	20.0	ND	89.0	80-120			
Total Trichloroethanes	43.4	1.00	"	40.0	ND	109	80-120			
Total Trihalomethanes	87.8	1.00	"	80.0	ND	110	80-120			
Total Xylenes	62.1	1.00	"	60.0	ND	104	80-120			
Surrogate: 4-Bromofluorobenzene	24		"	25.0		98.0	70-130			
Surrogate: 1,2-Dichlorobenzene-d4	25		"	25.0		101	70-130			

Envirodyne Laboratories, Inc.

*Monica Smith*

Monica Smith, Client Services Representative

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**Project:** Sweeny, (City of) Water  
**Work Order:** 23C1353

**Reported:**  
 21-Mar-23 13:40

**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 B3C4311 - Organics**

Matrix Spike Dup (B3C4311-MSD1)	Source: 23B3780-01			Prepared & Analyzed: 09-Mar-23						
Dichlorodifluoromethane	17.5	1.00	ug/L	20.0	ND	87.7	80-120	10.9	20	
Chloromethane	23.5	1.00	"	20.0	ND	117	80-120	3.10	20	
Vinyl Chloride	24.4	1.00	"	20.0	ND	122	80-120	3.94	20	Q
Bromomethane	26.2	1.00	"	20.0	ND	131	80-120	5.98	20	Q
Chloroethane	27.8	1.00	"	20.0	ND	139	80-120	3.53	20	Q
Trichlorofluoromethane	24.5	1.00	"	20.0	ND	123	80-120	2.30	20	Q
Diethyl ether	23.8	1.00	"	20.0	ND	119	80-120	0.961	20	
1,1-Dichloroethene	22.8	1.00	"	20.0	ND	114	80-120	0.701	20	
Carbon Disulfide	21.9	1.00	"	20.0	ND	110	80-120	1.54	20	
Methylene Chloride	22.5	1.00	"	20.0	ND	112	80-120	2.55	20	
MTBE (Methyl tert-butyl ether)	20.9	1.00	"	20.0	ND	104	80-120	2.69	20	
trans-1,2-Dichloroethene	22.6	1.00	"	20.0	ND	113	80-120	0.133	20	
1,1-Dichloroethane	23.3	1.00	"	20.0	ND	116	80-120	3.17	20	
2,2-Dichloropropane	15.6	1.00	"	20.0	ND	78.0	80-120	4.08	20	Q
cis-1,2-Dichloroethene	20.9	1.00	"	20.0	ND	104	80-120	5.82	20	
Bromochloromethane	20.7	1.00	"	20.0	ND	103	80-120	2.34	20	
Chloroform	21.0	1.00	"	20.0	ND	105	80-120	0.807	20	
1,2-Dichloroethane	22.3	1.00	"	20.0	ND	112	80-120	0.629	20	
1,1,1-Trichloroethane	21.4	1.00	"	20.0	ND	107	80-120	2.63	20	
Methyl Acrylate	20.4	1.00	"	20.0	ND	102	80-120	0.294	20	
Tetrahydrofuran	19.8	1.00	"	20.0	ND	99.0	80-120	2.84	20	
Carbon Tetrachloride	22.7	1.00	"	20.0	ND	114	80-120	2.65	20	
1,1-Dichloropropene	19.4	1.00	"	20.0	ND	97.2	80-120	2.39	20	
Benzene	21.6	1.00	"	20.0	ND	108	80-120	0.783	20	
Trichloroethene	18.5	1.00	"	20.0	ND	92.7	80-120	7.28	20	
1,2-Dichloropropane	19.2	1.00	"	20.0	ND	96.2	80-120	5.60	20	
Methyl methacrylate	18.0	1.00	"	20.0	ND	89.8	80-120	3.61	20	
Dibromomethane	20.9	1.00	"	20.0	ND	104	80-120	7.21	20	
Bromodichloromethane	21.4	1.00	"	20.0	ND	107	80-120	5.25	20	
cis-1,3-Dichloropropene	19.0	1.00	"	20.0	ND	94.8	80-120	5.89	20	
trans-1,3-Dichloropropene	18.5	1.00	"	20.0	ND	92.4	80-120	5.06	20	
1,1,2-Trichloroethane	20.2	1.00	"	20.0	ND	101	80-120	5.85	20	

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**Project:** Sweeny, (City of) Water  
**Work Order:** 23C1353

**Reported:**  
 21-Mar-23 13:40

**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 B3C4311 - Organics**

Matrix Spike Dup (B3C4311-MSD1)	Source: 23B3780-01			Prepared & Analyzed: 09-Mar-23						
Dibromochloromethane	21.3	1.00	ug/L	20.0	ND	106	80-120	5.66	20	
1,2-Dibromoethane	19.8	1.00	"	20.0	ND	99.0	80-120	6.22	20	
Toluene	20.9	1.00	"	20.0	ND	105	80-120	7.99	20	
Tetrachloroethene	20.0	1.00	"	20.0	ND	99.8	80-120	7.01	20	
1,3-Dichloropropane	20.3	1.00	"	20.0	ND	101	80-120	5.89	20	
Chlorobenzene	18.6	1.00	"	20.0	ND	93.0	80-120	2.71	20	
1,1,1,2-Tetrachloroethane	20.2	1.00	"	20.0	ND	101	80-120	3.73	20	
Ethylbenzene	19.7	1.00	"	20.0	ND	98.4	80-120	2.76	20	
m,p-Xylene	39.9	1.00	"	40.0	ND	99.8	80-120	4.50	20	
o-Xylene	20.1	1.00	"	20.0	ND	101	80-120	1.04	20	
Styrene	20.0	1.00	"	20.0	ND	100	80-120	1.93	20	
Bromoform	21.4	1.00	"	20.0	ND	107	80-120	0.928	20	
Isopropylbenzene (Cumene)	19.4	1.00	"	20.0	ND	97.2	80-120	2.84	20	
1,1,2,2-Tetrachloroethane	19.4	1.00	"	20.0	ND	96.8	80-120	1.54	20	
1,2,3-Trichloropropane	19.8	1.00	"	20.0	ND	99.2	80-120	0.151	20	
Bromobenzene	19.7	1.00	"	20.0	ND	98.4	80-120	1.64	20	
n-Propylbenzene	19.6	1.00	"	20.0	ND	97.8	80-120	3.22	20	
2-Chlorotoluene	18.9	1.00	"	20.0	ND	94.5	80-120	2.09	20	
1,3,5-Trimethylbenzene	20.1	1.00	"	20.0	ND	101	80-120	0.248	20	
4-Chlorotoluene	19.1	1.00	"	20.0	ND	95.4	80-120	0.420	20	
tert-butyl Benzene	19.6	1.00	"	20.0	ND	98.2	80-120	0.766	20	
1,2,4-Trimethylbenzene	19.0	1.00	"	20.0	ND	95.0	80-120	0.211	20	
sec-butyl Benzene	19.3	1.00	"	20.0	ND	96.4	80-120	1.88	20	
p-Isopropyltoluene	19.3	1.00	"	20.0	ND	96.3	80-120	1.19	20	
1,3-Dichlorobenzene	19.4	1.00	"	20.0	ND	96.8	80-120	2.51	20	
1,4-Dichlorobenzene	18.8	1.00	"	20.0	ND	94.0	80-120	7.22	20	
n-butyl Benzene	19.3	1.00	"	20.0	ND	96.4	80-120	1.83	20	
1,2-Dichlorobenzene	19.0	1.00	"	20.0	ND	95.2	80-120	1.96	20	
1,2-Dibromo-3-chloropropane	20.9	1.00	"	20.0	ND	104	80-120	6.18	20	
1,2,4-Trichlorobenzene	18.0	1.00	"	20.0	ND	89.8	80-120	1.01	20	
Hexachlorobutadiene	18.6	1.00	"	20.0	ND	93.2	80-120	2.01	20	
Naphthalene	19.2	1.00	"	20.0	ND	96.2	80-120	3.01	20	

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**Project:** Sweeny, (City of) Water  
**Work Order:** 23C1353

**Reported:**  
 21-Mar-23 13:40

**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 B3C4311 - Organics**

Matrix Spike Dup (B3C4311-MSD1)	Source: 23B3780-01			Prepared & Analyzed: 09-Mar-23						
1,2,3-Trichlorobenzene	18.0	1.00	ug/L	20.0	ND	89.8	80-120	1.01	20	
Total Trichloroethanes	41.7	1.00	"	40.0	ND	104	80-120	4.21	20	
Total Trihalomethanes	85.1	1.00	"	80.0	ND	106	80-120	3.19	20	
Total Xylenes	60.0	1.00	"	60.0	ND	100	80-120	3.36	20	
Surrogate: 4-Bromofluorobenzene	24		"	25.0		97.8	70-130			
Surrogate: 1,2-Dichlorobenzene-d4	25		"	25.0		101	70-130			

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**Reported:**  
21-Mar-23 13:40

### Notes and Definitions

- Q QC did not meet ELI acceptance criteria
- ND Analyte NOT DETECTED at or above the reporting limit
- < Result is less than the RL
- a Analyte not available for TNI/NELAP accreditation
- n Not accredited

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Envirodyne Laboratories, Inc.

A handwritten signature in blue ink that reads "Monica Smith". The signature is written in a cursive, flowing style.

---

Monica Smith, Client Services Representative

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23C1353

Envirodyne Laboratories, Inc.  
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Phone (281)568-7880 - Fax (281)568-8004

E A399985

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

TCEQ Certification # T104704265

Name: City of Sweeny  
Address: 102 W. Ashley Wilson Rd  
City: Sweeny, TX 77480  
Contact: Gene West  
Phone: 979-482-3152 Fax: 979-548-7745

Analysis Request and Chain of Custody Record

Project No.		Client/Project							pH	D.O.	Temp.	Analysis Time
		City of Sweeny										
Lab ID No.	Field Sample No./ Identification	Date & Time	Grab	Comp	Sample Container (Size/Mat'l)	Sample Type (Liquid, Sludge, etc.)	Preservative	ANALYSIS REQUESTED				
	GST	3-7-23 14:54			1 Gal/ P	Liquid	ICE	Ph, Water Package	7.11		22	1457
					500 ml/P	Liquid	HNO3, ice	Metals				
					3 -40ml VOA	Liquid	ICE	VOC Scan				

Samplers: (Signature) <i>[Signature]</i>	Relinquished by: (Signature) <i>[Signature]</i>	Date: 3-7-23 Time: 1610	Received by: (Signature) <i>[Signature]</i>	Date: 3/7/23 Time: 1610	Seal intact?
Affiliation RUSH DUE	Relinquished by: (Signature) <i>[Signature]</i>	Date: 3-7-23 Time: 1610	Received by: (Signature) <i>[Signature]</i>	Date: 3/7/23 Time: 1610	Seal intact?
Remarks: <i>[Signature]</i>	Relinquished by: (Signature) <i>[Signature]</i>	Arrival Temp. 3.4/3.1 IR#4	Data Results To: 1. Site Representative: <i>[Signature]</i>	Date: 3-7 Time: 3:02	Laboratory No.