



INNOVATIVE IDEAS  
EXCEPTIONAL DESIGN  
UNMATCHED CLIENT SERVICE

## TRANSMITTAL LETTER

---

**DATE:** October 9, 2023  
**TO:** Hosam Hassanien, Greater Detroit Resource Recovery Authority (GDRRA)  
**RE:** GDRRA Air Quality Monitoring Report  
**PROJECT #** 2142736100

---

### WE ARE TRANSMITTING HERewith THE FOLLOWING MATERIAL

Date	Copies	Description
10/9/2023	1	GDRRA Report V2
10/9/2023	1	IAQ Letter for TVOC Sampling

### REMARKS

Please find enclosed a draft copy of the Greater Detroit Resource Recovery Authority Air Quality Monitoring Report along with a copy of the IAQ Letter for TVOC Sampling for 5700 Russell Street for your review.

If you have any questions, you may contact you may contact Mr. Dor'Mario Brown at 248.727.7083. Thank you.

### DLZ REPRESENTATIVE

Dor'Mario Brown  
Division Manager

CC [Click here to enter text, or delete if not needed.](#)



INNOVATIVE IDEAS  
EXCEPTIONAL DESIGN  
UNMATCHED CLIENT SERVICE

October 6, 2023

Mr. Hosam Hassanien  
Greater Detroit Resource Recovery Authority  
5700 Russell Street  
Detroit, Michigan, 48211

DRAFT

RE: Air Quality Monitoring Report  
Greater Detroit Resource Recovery Authority  
5700 Russell Street  
Detroit, Michigan, 48211  
Project No. 2142736100

Dear Mr. Hosam:

DLZ Michigan, Inc. conducted ambient air quality monitoring at the former Detroit Renewable Energy Plant. The monitoring program consists of DLZ setting up instruments along the prevailing wind directions and speeds (vectors) for monitoring Dust, Asbestos/Other fiber and Lead during the Pre demolition, active demolition, and Post demolition phases.

TVOCs monitoring was performed by the Environmental Testing & Consulting (ETC) during the Pre demolition and active demolition phases.

**Dust monitoring** -Monitoring frequency hourly, Performance period Completed: August 2022 through Sep 2023

Goal –Measure concentration levels of target air pollutants including fine particulate matter (PM1, PM2.5, PM10 and RESP) by setting up Dust monitoring Instrument DustTrak DRX at Northwest, Southwest, and Southeast locations.

#### Findings –

- a. **Pre demolition phase** - Data collected during this period is within National Ambient Air Quality standards (NAAQS) and are not indicative of a threat to public health or unusual concentrations of the analyzed parameters.
- b. **Active demolition phase** – During Implosion Day on June 11 2023 between (04.57am to 5.02am) there was a spike reported in the concentration of dust and air pollutant on Northwest location (Max concentration PM1 =7.190 mg/m<sup>3</sup>, PM2.5 = 8.150mg/m<sup>3</sup> , RESP = 10.900mg/m<sup>3</sup> and PM10 18.100mg/m<sup>3</sup>) which was normalized after 05.03am.Overall result are not indicative of a threat to public health or unusual concentrations of the analyzed parameters.

- c. **Post Demolition phase**- Data collected during this period is within National Ambient Air Quality standards (NAAQS) and are not indicative of a threat to public health or unusual concentrations of the analyzed parameters.

**Asbestos monitoring** -Monitoring frequency Daily, Performance period Completed: August 2022 through Sep 2023.

Goal – Measure concentration levels of Asbestos/Other fiber in air by setting up low volume pumps at West Central upwind, Southeast downwind, Northeast downwind locations.

Findings –

- a. **Pre demolition phase** - Data collected during this period is in the range of 0.001 and 0.002 fiber/cc which is within the permissible limit of < 0.1 fiber/cc and are not indicative of a threat to public health or unusual concentrations of the analyzed parameters.
- b. **Active demolition phase** - Data collected during this period is in the range of 0.004 and 0.042 fiber/cc which is within the permissible limit of < 0.1 fiber/cc and are not indicative of a threat to public health or unusual concentrations of the analyzed parameters.
- c. **Post Demolition phase** - Data collected during this period is in the range between 0.02 and 0.03 fiber/cc which is within the permissible exposure limit of < 0.1 fiber/cc and are not indicative of a threat to public health or unusual concentrations of the analyzed parameters.

**Lead monitoring** - Monitoring frequency Daily, Performance period Completed: August 2022 through Sep 2023

Goal – Measure concentration levels of Lead in air by setting up low volume pumps at West central upwind, Southeast downwind and Northeast downwind locations.

Findings –

- a. **Pre demolition phase** - Data collected during this period is within the permissible exposure limit of < 2.0, however, there was one instance dated Jan 3<sup>rd</sup> when the result was higher at 3.47 (west central upwind), 3.37 (southeast downwind). Overall results are not indicative of a threat to public health or unusual concentrations of the analyzed parameters.
  - b. **Active demolition phase** – On implosion day June 11<sup>th</sup>, 2023, there was a spike in lead monitoring report 2.05µg/m<sup>3</sup> which higher than the permissible exposure limit of 2. However, it normalized and was within the permissible limits from June 12<sup>th</sup>, 2023.
-

- c. **Post Demolition phase** - Data collected during this period is within the permissible exposure limit of < 2.0. Overall results are not indicative of a threat to public health or unusual concentrations of the analyzed parameters.

**Total Volatile Organic Compounds (TVOC) monitoring-** The monitoring was performed by the Environmental Testing & Consulting (ETC) during the Pre demolition and active demolition phases. Monitoring frequency Hourly, Performance period Completed: August 23, 2022, November 16, 2022, January 18, 2023, and June 11, 2023)

Goal – Measure concentration levels of TVOC’s in air by setting up instruments at various locations.

Findings –

- a. **Pre demolition phase** -Data collected during this period is within the permissible limit avg value < 1.0 mg/m<sup>3</sup>.Overall results are not indicative of a threat to public health or unusual concentrations of the analyzed parameters.
- b. **Active demolition phase** – Data collected during this period is within the permissible limit avg value < 1.0 mg/m<sup>3</sup>.Overall results are not indicative of a threat to public health or unusual concentrations of the analyzed parameters.

We appreciate this opportunity to be of service to you. If you have questions or need additional information, please contact us at 248-727-7083.

Sincerely,

DLZ Michigan, Inc.



Dor'Mario Brown  
Division Manager

DB/GS

---



DLZ Corporation  
4041 Martel St.  
Melvindale, MI 48122

**RE: Ambient Air Sampling at 5700 Russell St., Detroit, MI 48211**

Pursuant to your request, Environmental Testing and Consulting (ETC) performed pre demolition and active demolition ambient air sampling at the former Detroit Renewable Energy Plant located at 5700 Russell St., Detroit, MI 48211. Sampling was performed on August 23, 2022, November 16, 2022, January 18, 2012 and during the active implosion on June 11, 2023 for TVOCs.

Samples were collected in various locations surrounding the property on each day sampled. Results indicated that pre-demolition and active demolition TVOC levels were comparable.

If you have any questions or concerns regarding this report, please contact the ETC office at (734) 955-6600.

Sincerely,

A rectangular box containing a handwritten signature in black ink that reads "Holly Wilcox".

Holly Wilcox  
Environmental Services Manager

Email: [holly.wilcox@2etc.com](mailto:holly.wilcox@2etc.com)  
Tel: (734) 955-6600, ext. 246  
Cell: (734) 486-5082  
Fax: (734) 955-6604

**Environmental Testing & Consulting**  
38900 West Huron River Dr.  
Romulus, MI 48174

[2etc.com](http://2etc.com)



**Ambient Air Quality Monitoring  
Conducted at 5700 Russell St.  
Detroit, MI 48211  
Sampling Location: Sample #1**

Summary Data		Total Volatile Organic Compounds (mg/m3)
Maximum Value		1.72
Minimum Value		0.00
Average Value		0.43
Date	Time	Total Volatile Organic Compounds (mg/m3)
2022-08-23	938	0.51
2022-08-23	948	0.549
2022-08-23	958	0.681
2022-08-23	1008	0.518
2022-08-23	1018	0.526
2022-08-23	1028	0.669
2022-08-23	1038	0.764
2022-08-23	1048	0.912
2022-08-23	1058	0.582
2022-08-23	1108	0.597
2022-08-23	1118	1.002
2022-08-23	1128	0.803
2022-08-23	1138	0.663
2022-08-23	1148	0.761
2022-08-23	1158	1.015
2022-08-23	1208	0.803
2022-08-23	1218	0.642
2022-08-23	1228	0.606
2022-08-23	1238	0.876
2022-08-23	1248	0.656
2022-08-23	1258	0.626
2022-08-23	1308	1.033
2022-08-23	1318	1.108
2022-08-23	1328	1.271
2022-08-23	1338	1.061
2022-08-23	1348	1.691
2022-08-23	1358	1.022
2022-08-23	1408	1.189
2022-08-23	1418	0.958
2022-08-23	1428	1.487
2022-08-23	1438	1.238
2022-08-23	1448	1.378
2022-08-23	1458	1.444
2022-08-23	1508	1.148
2022-08-23	1518	1.28
2022-08-23	1528	1.209
2022-08-23	1538	1.312
2022-08-23	1548	1.279
2022-08-23	1558	1.376
2022-08-23	1608	1.356

**Ambient Air Quality Monitoring  
 Conducted at 5700 Russell St.  
 Detroit, MI 48211  
 Sampling Location: Sample #2**

Summary Data	Total Volatile Organic Compounds (mg/m3)
Maximum Value	1.28
Minimum Value	0.10
Average Value	0.73

**Results**

Date	Time	Total Volatile Organic Compounds (mg/m3)
2022-08-23	951	0.505
2022-08-23	1001	0.518
2022-08-23	1011	0.52
2022-08-23	1021	0.78
2022-08-23	1031	0.576
2022-08-23	1041	1.275
2022-08-23	1051	0.676
2022-08-23	1101	0.519
2022-08-23	1111	0.646
2022-08-23	1121	0.806
2022-08-23	1131	0.689
2022-08-23	1141	0.529
2022-08-23	1151	0.603
2022-08-23	1201	0.809
2022-08-23	1211	0.937
2022-08-23	1221	0.675
2022-08-23	1231	0.98
2022-08-23	1241	0.773
2022-08-23	1251	0.63
2022-08-23	1301	0.73
2022-08-23	1311	0.86
2022-08-23	1321	1.05
2022-08-23	1331	0.098
2022-08-23	1341	0.77
2022-08-23	1351	1.002
2022-08-23	1401	0.874
2022-08-23	1411	0.941
2022-08-23	1421	0.864
2022-08-23	1431	0.573
2022-08-23	1441	0.716
2022-08-23	1451	0.684
2022-08-23	1501	0.803
2022-08-23	1511	0.611
2022-08-23	1521	0.617
2022-08-23	1531	0.718
2022-08-23	1541	0.686
2022-08-23	1551	0.645
2022-08-23	1601	0.641
2022-08-23	1611	0.677
2022-08-23	1621	0.892
2022-08-23	1631	0.94

**Ambient Air Quality Monitoring  
 Conducted at 5700 Russell St.  
 Detroit, MI 48211  
 Sampling Location: Sample #3**

Summary Data	Total Volatile Organic Compounds (mg/m3)
Maximum Value	1.34
Minimum Value	0.51
Average Value	0.73

**Results**

Date	Time	Total Volatile Organic Compounds (mg/m3)
2022-08-23	1008	0.513
2022-08-23	1018	0.611
2022-08-23	1028	0.604
2022-08-23	1038	0.505
2022-08-23	1048	0.72
2022-08-23	1058	0.756
2022-08-23	1108	0.836
2022-08-23	1118	0.507
2022-08-23	1128	0.799
2022-08-23	1138	0.596
2022-08-23	1148	0.786
2022-08-23	1158	0.725
2022-08-23	1208	0.635
2022-08-23	1218	0.894
2022-08-23	1228	0.702
2022-08-23	1238	0.627
2022-08-23	1248	0.824
2022-08-23	1258	1.126
2022-08-23	1308	1.065
2022-08-23	1318	1.341
2022-08-23	1328	1.003
2022-08-23	1338	0.765
2022-08-23	1348	0.594
2022-08-23	1358	0.731
2022-08-23	1408	0.673
2022-08-23	1418	0.656
2022-08-23	1428	0.598
2022-08-23	1438	0.628
2022-08-23	1448	0.569
2022-08-23	1458	0.517
2022-08-23	1508	0.553
2022-08-23	1518	0.649
2022-08-23	1528	0.63
2022-08-23	1538	0.731
2022-08-23	1548	0.646
2022-08-23	1558	0.749
2022-08-23	1608	0.82
2022-08-23	1618	0.831
2022-08-23	1627	0.898



**Ambient Air Quality Monitoring  
Conducted at 5700 Russell St.  
Detroit, MI 48211  
Sampling Location: Sample #4**

Summary Data	Total Volatile Organic Compounds (mg/m3)
Maximum Value	0.86
Minimum Value	0.51
Average Value	0.68

**Results**

Date	Time	Total Volatile Organic Compounds (mg/m3)
2022-08-23	1027	0.52
2022-08-23	1037	0.509
2022-08-23	1047	0.607
2022-08-23	1057	0.679
2022-08-23	1107	0.605
2022-08-23	1117	0.639
2022-08-23	1127	0.533
2022-08-23	1137	0.708
2022-08-23	1147	0.512
2022-08-23	1157	0.839
2022-08-23	1207	0.767
2022-08-23	1217	0.657
2022-08-23	1227	0.66
2022-08-23	1237	0.593
2022-08-23	1247	0.636
2022-08-23	1257	0.675
2022-08-23	1307	0.849
2022-08-23	1317	0.787
2022-08-23	1327	0.6
2022-08-23	1337	0.553
2022-08-23	1347	0.723
2022-08-23	1357	0.657
2022-08-23	1407	0.735
2022-08-23	1417	0.783
2022-08-23	1427	0.768
2022-08-23	1437	0.862
2022-08-23	1447	0.747
2022-08-23	1457	0.799
2022-08-23	1507	0.61
2022-08-23	1517	0.606
2022-08-23	1527	0.65
2022-08-23	1537	0.731
2022-08-23	1547	0.675
2022-08-23	1557	0.809
2022-08-23	1607	0.596
2022-08-23	1617	0.709
2022-08-23	1627	0.71

# Baseline - pre DEMO



**Legend**

- 1 - Turbine Generator Bldg
- 2 - Steam Generator Bldg
- 3 - Air Heater
- 4 - Chimney
- 5 - Demineralized Water Storage Tank
- 6 - Neutralization Basin
- 7 - Reserve Auxiliary Transformer
- 8 - Cooling Tower
- 9 - Fuel Oil Tank
- 10 - Fuel Oil Pumphouse
- 11 - Security Building
- 12 - MSW Processing Building
- 13 - Switchyard
- 14 - Central Scale House
- 15 - Ash Storage Building
- 16 - Scales
- 17 - Fabric Filter
- 18 - I.D. Fans
- 19 - Ash Loading Truck Wash Bldg

Subject Property Boundary  
 Existing Parcel

**Figure 2**  
**Subject Property Boundary Map**  
 Detroit Renewable Energy Plant  
 Greater Detroit Resource Recovery Authority  
 5700 Russell Street  
 Detroit, MI 48211

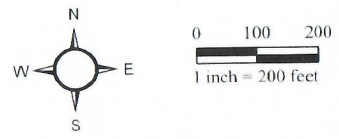


Fig: 2

Document Path: C:\Users\agogaugh\OneDrive - DLZ\Documents\ArcGIS\Projects\2142-7283-00 Detroit-DTE Remodel\Fig\_02\_Subject\_Property\_Boundary\_Map.mxd

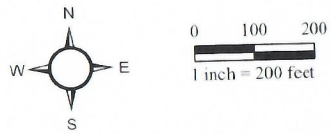
# Active Demo



**Figure 2**  
 Subject Property Boundary Map  
 Detroit Renewable Energy Plant  
 Greater Detroit Resource Recovery Authority  
 5700 Russell Street  
 Detroit, MI 48211



Fig: 2



Document Path: C:\Users\agougeha\OneDrive - DLZ\Documents\ArcGIS\Projects\2283\00 Detroit-DLE Rainmxd\Fig\_02\_Subject\_Property\_Boundary\_Map.mxd

**Ambient Air Quality Monitoring  
 Conducted at 5700 Russell Street in  
 Detroit, MI  
 1/18/2023  
 Sampling Location: Sample # 1**

	Total Volatile Organic Compounds (mg/m3)
Summary Data	Total Volatile Organic Compounds (mg/m3)
Maximum Value	0.65
Minimum Value	0.50
Average Value	0.57

**Results**

Date	Time	Total Volatile Organic Compounds (mg/m3)
2023-01-18	958	0.566
2023-01-18	1008	0.5
2023-01-18	1028	0.515
2023-01-18	1038	0.52
2023-01-18	1048	0.505
2023-01-18	1058	0.572
2023-01-18	1108	0.514
2023-01-18	1118	0.545
2023-01-18	1128	0.567
2023-01-18	1138	0.525
2023-01-18	1148	0.534
2023-01-18	1158	0.517
2023-01-18	1208	0.521

2023-01-18	1218	0.548
2023-01-18	1228	0.543
2023-01-18	1238	0.554
2023-01-18	1248	0.553
2023-01-18	1258	0.577
2023-01-18	1308	0.568
2023-01-18	1318	0.54
2023-01-18	1328	0.565
2023-01-18	1338	0.58
2023-01-18	1348	0.614
2023-01-18	1358	0.586
2023-01-18	1408	0.567
2023-01-18	1418	0.569
2023-01-18	1428	0.606
2023-01-18	1438	0.567
2023-01-18	1448	0.552
2023-01-18	1458	0.534
2023-01-18	1508	0.616
2023-01-18	1518	0.58
2023-01-18	1528	0.597
2023-01-18	1538	0.585
2023-01-18	1548	0.631
2023-01-18	1558	0.587
2023-01-18	1608	0.588
2023-01-18	1618	0.579
2023-01-18	1628	0.641
2023-01-18	1638	0.626
2023-01-18	1648	0.648
2023-01-18	1658	0.604

**Ambient Air Quality Monitoring  
 Conducted at 5700 Russell Street in  
 Detroit, MI  
 1/18/2023  
 Sampling Location: Sample #2**

	Total Volatile Organic Compounds (mg/m3)
Summary Data	Total Volatile Organic Compounds (mg/m3)
Average Value	0.73

**Results**

Date	Time	Total Volatile Organic Compounds (mg/m3)
2023-01-18	843	0.555
2023-01-18	853	0.519
2023-01-18	903	0.608
2023-01-18	913	0.657
2023-01-18	923	0.615
2023-01-18	933	0.517
2023-01-18	943	0.657
2023-01-18	953	0.656
2023-01-18	1003	0.7
2023-01-18	1013	0.648
2023-01-18	1023	0.679
2023-01-18	1033	0.859
2023-01-18	1043	0.721
2023-01-18	1053	0.614
2023-01-18	1103	0.755
2023-01-18	1113	0.548

2023-01-18	1123	0.662
2023-01-18	1133	0.811
2023-01-18	1143	0.835
2023-01-18	1153	0.74
2023-01-18	1203	0.686
2023-01-18	1213	0.55
2023-01-18	1223	0.613
2023-01-18	1233	0.692
2023-01-18	1243	0.655
2023-01-18	1253	0.714
2023-01-18	1303	0.699
2023-01-18	1313	0.867
2023-01-18	1323	0.828
2023-01-18	1333	0.772
2023-01-18	1343	0.808
2023-01-18	1353	0.796
2023-01-18	1403	0.864
2023-01-18	1413	0.966
2023-01-18	1423	0.751
2023-01-18	1433	0.93
2023-01-18	1443	0.84
2023-01-18	1453	0.812
2023-01-18	1503	0.875
2023-01-18	1513	0.862
2023-01-18	1523	0.836
2023-01-18	1533	0.771

**Ambient Air Quality Monitoring  
Conducted at 5700 Russell Street in  
Detroit, MI  
1/18/2023  
Sampling Location: Sample #3**

	Total Volatile Organic Compounds (mg/m <sup>3</sup> )
Summary Data	Total Volatile Organic Compounds (mg/m <sup>3</sup> )
Maximum Value	1.31
Minimum Value	0.51
Average Value	0.72

**Results**

Date	Time	Total Volatile Organic Compounds (mg/m <sup>3</sup> )
2023-01-18	840	0.514
2023-01-18	850	0.521
2023-01-18	900	0.52
2023-01-18	910	0.551
2023-01-18	920	0.527
2023-01-18	930	0.598
2023-01-18	940	0.647
2023-01-18	950	0.767
2023-01-18	1000	0.621
2023-01-18	1010	0.561
2023-01-18	1020	0.762
2023-01-18	1030	0.755
2023-01-18	1040	0.779
2023-01-18	1050	0.712



2023-01-18	1100	0.56
2023-01-18	1110	0.591
2023-01-18	1120	0.684
2023-01-18	1130	0.685
2023-01-18	1140	1.306
2023-01-18	1150	0.899
2023-01-18	1200	0.804
2023-01-18	1210	0.762
2023-01-18	1220	0.738
2023-01-18	1230	0.722
2023-01-18	1240	0.761
2023-01-18	1250	0.704
2023-01-18	1300	0.689
2023-01-18	1310	0.73
2023-01-18	1320	0.782
2023-01-18	1330	0.729
2023-01-18	1340	0.733
2023-01-18	1350	0.731
2023-01-18	1400	0.724
2023-01-18	1410	0.767
2023-01-18	1420	0.767
2023-01-18	1430	0.99
2023-01-18	1440	0.829

**Ambient Air Quality Monitoring  
Conducted at 5700 Russell Street in  
Detroit, MI  
1/18/2023**

**Sampling Location: Sample # 4**

	Total Volatile Organic Compounds (mg/m3)
Summary Data	Total Volatile Organic Compounds (mg/m3)
Maximum Value	0.74
Minimum Value	0.51
Average Value	0.60

**Results**

Date	Time	Total Volatile Organic Compounds (mg/m3)
2023-01-18	853	0.506
2023-01-18	903	0.508
2023-01-18	913	0.53
2023-01-18	923	0.536
2023-01-18	933	0.532
2023-01-18	943	0.535
2023-01-18	953	0.578
2023-01-18	1003	0.562
2023-01-18	1013	0.576
2023-01-18	1023	0.561
2023-01-18	1033	0.575
2023-01-18	1043	0.523
2023-01-18	1053	0.519
2023-01-18	1103	0.546
2023-01-18	1113	0.583
2023-01-18	1123	0.553

2023-01-18	1133	0.509
2023-01-18	1143	0.507
2023-01-18	1153	0.519
2023-01-18	1203	0.593
2023-01-18	1213	0.553
2023-01-18	1223	0.607
2023-01-18	1233	0.589
2023-01-18	1243	0.63
2023-01-18	1253	0.613
2023-01-18	1303	0.594
2023-01-18	1313	0.613
2023-01-18	1323	0.655
2023-01-18	1333	0.615
2023-01-18	1343	0.617
2023-01-18	1353	0.615
2023-01-18	1403	0.619
2023-01-18	1413	0.739
2023-01-18	1423	0.656
2023-01-18	1433	0.71
2023-01-18	1443	0.702
2023-01-18	1453	0.703
2023-01-18	1503	0.701
2023-01-18	1513	0.685
2023-01-18	1523	0.737
2023-01-18	1533	0.727
2023-01-18	1543	0.704

Document Path: C:\Users\ap\OneDrive - DLZ\Documents\Aec\GIS\Projects\25100 Detroit-DTE Renewals\Fig. 02 Subject Property Boundary Map.mxd

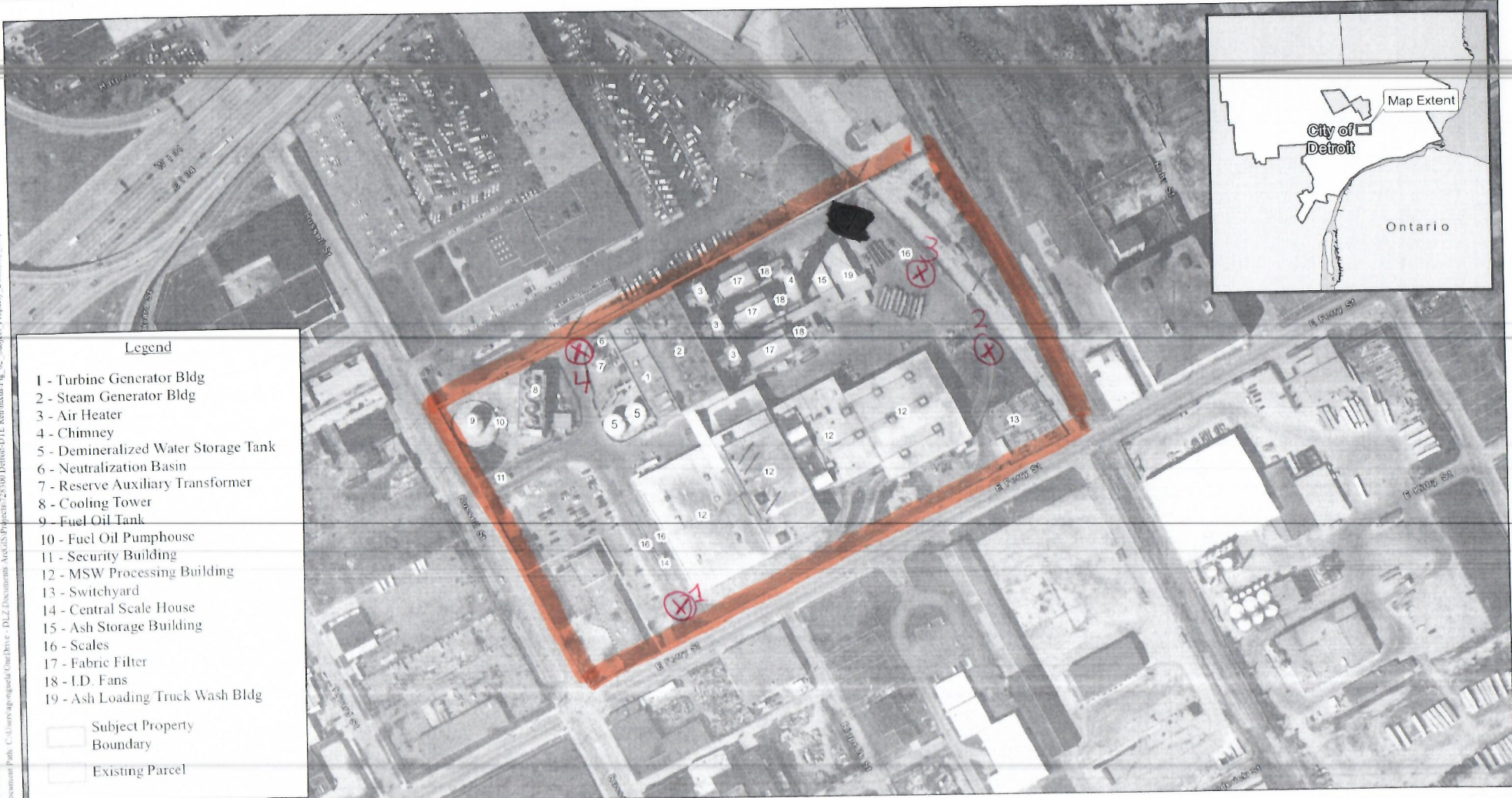
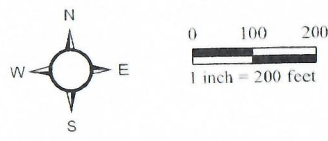


Fig: 2

Figure 2  
 Subject Property Boundary Map  
 Detroit Renewable Energy Plant  
 Greater Detroit Resource Recovery Authority  
 5700 Russell Street  
 Detroit, MI 48211



Data Sources: State of Michigan, City of Detroit, SEMCOG, Statistics Canada

**Ambient Air Quality Monitoring  
 Conducted at 5700 Russell in Detroit ,MI  
 Date: 6-11-2023  
 Sampling Location: 1**

	Total Volatile Organic Compounds (mg/m3)
Suggested / Regulatory Limits	1.00
Summary Data	Total Volatile Organic Compounds (mg/m3)
Maximum Value	1.04
Minimum Value	0.51
Average Value	0.68

**Results**

Date	Time	Total Volatile Organic Compounds (mg/m3)
2023-06-11	334	0.537
2023-06-11	344	0.513
2023-06-11	354	0.772
2023-06-11	404	0.575
2023-06-11	414	0.511
2023-06-11	424	0.627
2023-06-11	434	0.587
2023-06-11	444	0.506
2023-06-11	454	0.718
2023-06-11	504	0.519
2023-06-11	514	1.019

2023-06-11	524	0.991
2023-06-11	534	1.001
2023-06-11	544	0.696
2023-06-11	554	0.623
2023-06-11	604	0.53
2023-06-11	614	0.572
2023-06-11	624	0.652
2023-06-11	634	0.523
2023-06-11	644	0.656
2023-06-11	654	0.68
2023-06-11	704	0.609
2023-06-11	714	0.658
2023-06-11	724	0.685
2023-06-11	734	0.597
2023-06-11	744	0.557
2023-06-11	754	0.711
2023-06-11	804	0.8
2023-06-11	814	1.009
2023-06-11	823	1.038

**Ambient Air Quality Monitoring  
 Conducted at 5700 Russell in Detroit ,MI  
 Date: 6-11-2023  
 Sampling Location: 2**

		Total Volatile Organic Compounds (mg/m3)
Suggested / Regulatory Limits		1.00
Summary Data		Total Volatile Organic Compounds (mg/m3)
Maximum Value		0.98
Minimum Value		0.51
Average Value		0.58
<b>Results</b>		
Date	Time	Total Volatile Organic Compounds (mg/m3)
2023-06-11	341	0.51
2023-06-11	351	0.51
2023-06-11	401	0.52
2023-06-11	411	0.554
2023-06-11	421	0.526
2023-06-11	431	0.622
2023-06-11	441	0.638
2023-06-11	451	0.542
2023-06-11	501	0.547
2023-06-11	511	0.527
2023-06-11	521	0.979

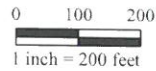
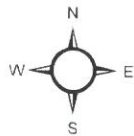
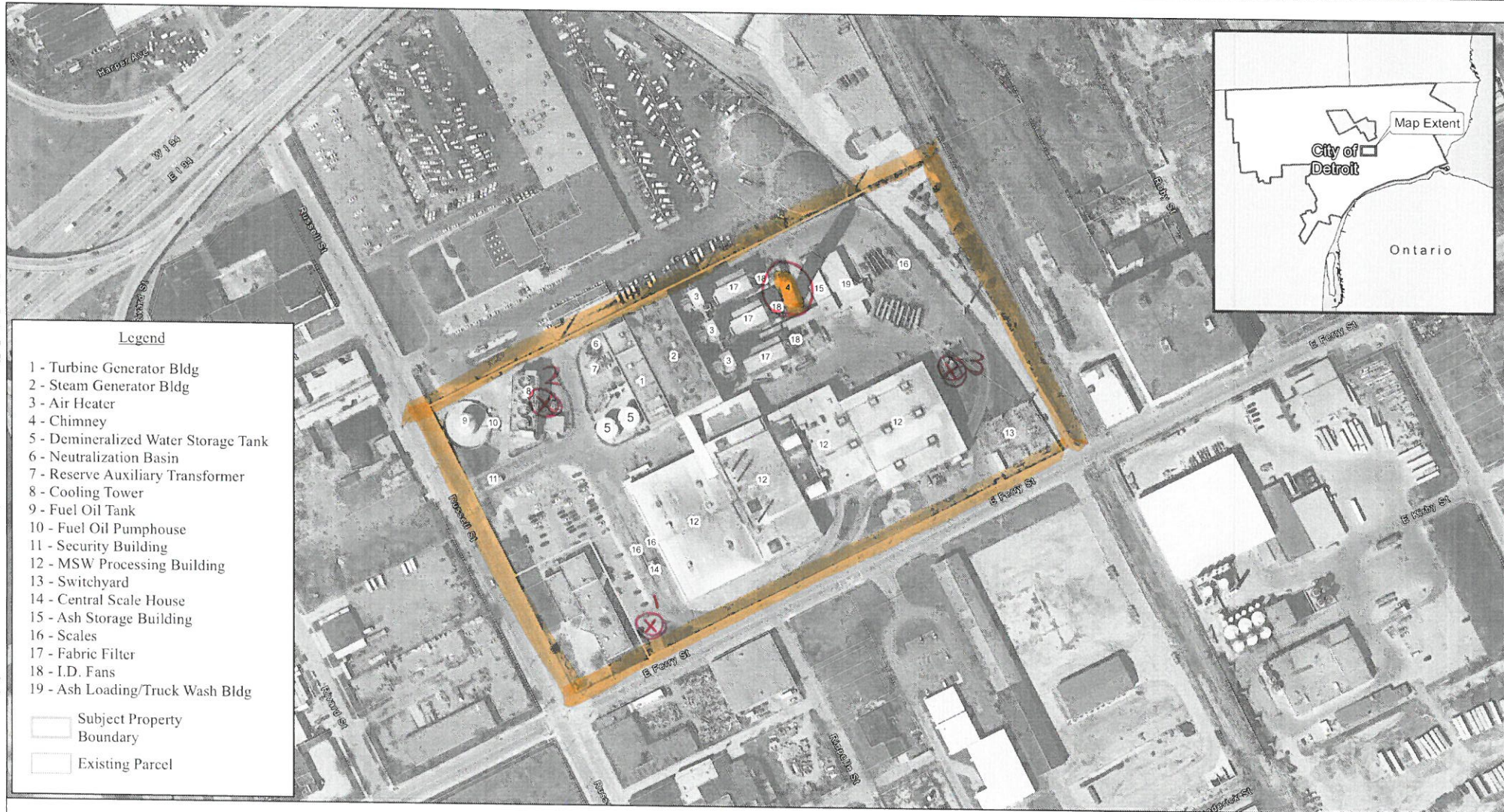
2023-06-11	531	0.557
2023-06-11	541	0.589
2023-06-11	551	0.538
2023-06-11	601	0.654
2023-06-11	611	0.522
2023-06-11	621	0.531
2023-06-11	631	0.535
2023-06-11	641	0.575
2023-06-11	651	0.592
2023-06-11	701	0.525
2023-06-11	711	0.556
2023-06-11	721	0.55
2023-06-11	731	0.587
2023-06-11	741	0.541
2023-06-11	751	0.618
2023-06-11	801	0.596
2023-06-11	811	0.665
2023-06-11	821	0.713



**Ambient Air Quality Monitoring  
 Conducted at 5700 Russell in Detroit, MI  
 Date: 6-11-2023  
 Sampling Location: 3**

		Total Volatile Organic Compounds (mg/m3)
Suggested / Regulatory Limits		1.00
Summary Data		Total Volatile Organic Compounds (mg/m3)
Maximum Value		0.88
Minimum Value		0.51
Average Value		0.62
<b>Results</b>		
Date	Time	Total Volatile Organic Compounds (mg/m3)
2023-06-11	502	0.555
2023-06-11	512	0.509
2023-06-11	522	0.52
2023-06-11	532	0.688
2023-06-11	542	0.563
2023-06-11	552	0.594
2023-06-11	602	0.687
2023-06-11	612	0.665
2023-06-11	622	0.541
2023-06-11	632	0.591
2023-06-11	642	0.64
2023-06-11	652	0.538

2023-06-11	702	0.611
2023-06-11	712	0.523
2023-06-11	722	0.531
2023-06-11	732	0.525
2023-06-11	742	0.531
2023-06-11	752	0.6
2023-06-11	802	0.588
2023-06-11	812	0.61
2023-06-11	822	0.566
2023-06-11	832	0.676
2023-06-11	842	0.66
2023-06-11	852	0.675
2023-06-11	902	0.679
2023-06-11	912	0.749
2023-06-11	922	0.755
2023-06-11	932	0.882



**Figure 2**  
**Subject Property Boundary Map**  
 Detroit Renewable Energy Plant  
 Greater Detroit Resource Recovery Authority  
 5700 Russell Street  
 Detroit, MI 48211



Fig: 2