UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

User ID: XCMROBBINS RAW DATA REPORT

Report Request ID: 1760113 Report Code: AMP350 Jul. 3, 2019

GEOGRAPHIC SELECTIONS

Tribal

Code State County Site Parameter POC City AQCR UAR CBSA CSA Region

42 045 0109 2

PROTOCOL SELECTIONS

Parameter

Classification Parameter Method Duration

ALL 176

SELECTED OPTIONS			SORT ORDER
Option Type	Option Value	Order	Column
RAW DATA EVENTS	INCLUDE EVENTS	1	STATE_CODE
DAILY STATISTICS	MAXIMUM	2	COUNTY_CODE
AGENCY ROLE	PQAO	3	SITE ID
UNITS	STANDARD	4	_
INCLUDE NULLS	YES	4	PARAMETER_CODE
MERGE PDF FILES	YES	5	POC

DATE CRITERIA

Start Date End Date

2013 01 01 2015 12 31

APPLICABLE STANDARDS

Standard Description

CO 1-hour 1971

Lead 3-Month 2009

Lead 3-Month PM10 Surrogate 2009

Lead Quarterly 1978

NO2 Annual 1971

Ozone 1-hour 1979

PM10 24-hour 2006

PM25 24-hour 2012

SO2 1-hour 2010

AIR QUALITY SYSTEM

RAW DATA REPORT Jul. 3, 2019

> CAS NUMBER: 75-15-0 LATITUDE: 39.818715 LONGITUDE:

-75.413973

UTM ZONE:

UTM NORTHING:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(42153) Carbon disulfide

(045) METROPOLITAN PHILADELPHIA CITY: (47344) Marcus Hook URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR MONITOR TYPE: SPM 2013

REPORT FOR: UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.08 SQ	.00 ND		
2								.00 ND				
3		.00 ND				.07 SQ	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.05 SQ	.00 ND					
10	.00 ND			.00 ND	.00 ND							
11			.02 SQ									
12											.00 ND	.00 ND
13								0.0 177	.00 ND	.00 ND		
14 15		.00 ND				.00 ND	.00 ND	.00 ND				
16	.00 ND	.00 ND		.00 ND	.00 ND	.00 ND	.00 ND					
17	.00 ND		.00 ND	.00 ND	.00 ND							
18			.00 110								.00 ND	.00 ND
19									AF	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
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23			.00 ND									
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28	.00 ND			AF	.00 ND							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	.02	0.00	.05	.07	0.00	0.00	.08	0.00	0.00	0.00
MEAN:	0.000	0.000	.004	0.000	.010	.024	0.000	0.000	.020	0.000	0.000	0.000
ANNUAL	L OBSERVATIONS:	59	ANNUAL MEAN:	.005	ANNUAL MAX:	.08						

AIR QUALITY SYSTEM

RAW DATA REPORT Jul. 3, 2019

> LATITUDE: 39.818715 LONGITUDE: -75.413973

75-15-0

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

CITY: (47344) Marcus Hook

(42153) Carbon disulfide

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2014

URBAN AND CENTER CITY

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING:

REPORT FOR:

UNITS: Parts per billion Carbon

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND		
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.00 ND			.00 ND	.00 ND							
6			.00 ND									
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12 13			.00 ND								.00 ND	.00 ND
14									.00 ND	AS	.00 ND	.00 ND
15								.00 ND	.00 ND	AS		
16		.00 ND				.00 ND	.17 5	.00 ND				
17	.00 ND			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	.00 ND
20									.00 ND	.00 ND		
21								AF				
22		.00 ND				.00 ND	.00 ND					
23	.00 ND			.00 ND	AS							
24			.00 ND									
25											.06 SQ	AS
26									.00 ND	.00 ND		
27								.00 ND				
28 29	.00 ND	AF		.00 ND	.00 ND	.00 ND	.00 ND					
30	.00 ND		AF	.00 ND	.00 ND							
31			AL.									.00 ND
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	.17	0.00	0.00	0.00	.06	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	.034	0.000	0.000	0.000	.012	0.000
ANNUA	L OBSERVATIONS	3: 54	ANNUAL MEAN:	.004	ANNUAL MAX:	.17						

LAND USE: INDUSTRIAL

LOCATION SETTING:

RAW DATA REPORT Jul. 3, 2019

LATITUDE: 39.818715 LONGITUDE: -75.413973

75-15-0

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

CITY: (47344) Marcus Hook

(42153) Carbon disulfide

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL
SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco
PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015 DURATION: 24 HOUR

URBAN AND CENTER CITY

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

UNITS: Parts per billion Carbon

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8 9									AS	.00 ND	AS	AF
10								.00 ND	AS	.00 ND		
11		.00 ND				AS	.00 ND	.00 ND				
12	.00 ND			.00 ND	.00 ND							
13			.00 ND									
14											.00 ND	AF
15									.00 ND	.00 ND		
16								.00 ND				
17		.00 ND				.00 ND	.00 ND					
18	.00 ND			.00 ND	.00 ND							
19			.00 ND									
20											.00 ND	AS
21									.00 ND	.00 ND		
22		.00 ND				.00 ND	.00 ND	.00 ND				
23 24	.00 ND	.UU ND		AF	.00 ND	.UU ND	.UU ND					
25	.UU ND		.00 ND	Ar	.UU ND							
26			.00 ND								AS	.00 ND
27									AS	AS		112
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			.00 ND									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	48	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

Jul. 3, 2019

(43205) Propylene CAS NUMBER: 115-07-1

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania LONGITUDE: -75.413973 COUNTY: (045) Delaware

AQCR: (045) METROPOLITAN PHILADELPHIA UTM ZONE:

CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

AQCR: (045) METROPOLITAN PHILADELPHIA PA-NJ

UTM ZONE:

UTM NORTHING:

UTM ACTION:

UTM A

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM REPORT FOR: 2013

DURATION: 24 HOUR

COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco

UNITS: Parts per billion Carbon

AO: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

1 2110	(0031) 1011	nojivania bep	aremene or mive	rommerrour rrot	20001011							.01111111111111111111111111111111111111
	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									102.01 5	63.378		
2								70.326 EH				
3		76.890				50.649	14.439					
4	39.570 EH			27.144	5.694							
5			19.104									
6											11.754 CC	17.331
7									26.472	10.029 LL		
8		2.202				8.229	25.788	30.912 EH				
9 10	26.337	2.202		29.187	43.791	8.229	25.788					
11	20.33/		3.669	27.10/	43./21							
12			3.009								26.421	59.517
13									54.153	1.749 LL	20.121	32.31.
14								1.845				
15		14.031				50.181	20.910					
16	26.598			12.678	29.574							
17			3.708									
18											26.427	58.806
19									AF	13.677		
20								112.39 5				
21		15.426				26.370	27.300					
22	15.246			3.399	44.166							
23			9.033								11 224	0.606
24 25									1.626	59.424 EH	11.334	2.686
25 26								59.829	1.020	59.424 EH		
27		33.663				42.981 EH	1.587	37.027				
28	29.115	33.003		AF	33.462	12.501 EH	1.507					
29	22.113		8.073		55.102							
30											4.146	35.199
31										19.197		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
	39.570	76.890	19.104	29.187	44.166	50.649	27.300	112.39	102.01	63.378	26.427	59.517
	27.3732	28.4424	8.7174	18.1020	31.3374	35.6820	18.0048	55.0608	46.0665	27.9090	16.0164	34.7078
							_0.0010	33.0000	-0.0000	_,,,,,,,	_0.0101	-1.,0,0
ANNUA	AL OBSERVATION	S: 59	ANNUAL MEAN	28.8278	ANNUAL MAX:	112.392						

Jul. 3, 2019 (43205) Propylene

CAS NUMBER: 115-07-1 LATITUDE: 39.818715 LONGITUDE: -75.413973

UTM ZONE:

PROBE HEIGHT:

SITE ID: 42-045-0109 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

UTM NORTHING: LAND USE: INDUSTRIAL UTM EASTING: LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

POC: 2

CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2014 REPORT FOR:

UNITS: Parts per billion Carbon

MIN DETECTABLE:

1 2110	(0051) 1011		aremene or mive	TOIMEITEGE TEOC							2211	.0111021
	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											1.829	22.550
2									58.377	5.411		
3								15.200				
4		7.617				10.825	3.404					
5	35.002 QX			4.433	16.561							
6			3.719									
7											14.120	1.881
8									3.646	65.180		
9								16.035				
10		4.683				10.649	23.682					
11	67.690 EH			17.246	AS							
12			58.975									
13											3.444	5.015
14									2.527	AS		
15								1.742				
16		9.904				11.511	25.587					
17	69.167 EH			1.370	18.309							
18			5.499									
19									5 054		43.944 EH	19.153
20									5.271	7.639		
21		154.24 5				6.916	29.321	AF				
22 23	32.833 EH	154.24 5		5.022	AS	6.916	29.321					
24	32.833 EH		1.515	5.022	AS							
25			1.515								45.510	AS
26									10.015	2.460	13.310	AU
27								212.13 5	10.013	2.100		
28		AF				14.176	57.245 EH	212.13 3				
29	207.04 5			5.034	3.411							
30			AF									
31												29.691
				_	_							
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	207.04	154.24	58.975	17.246	18.309	14.176	57.245	212.13	58.377	65.180	45.510	29.691
MEAN:	82.3466	44.1120	17.4270	6.6210	12.7603	10.8154	27.8478	61.2770	15.9672	20.1725	21.7694	15.6580
ANNUA	L OBSERVATIONS	54	ANNUAL MEAN:	28.0623	ANNUAL MAX:	212.131						

Jul. 3, 2019 (43205) Propylene

CAS NUMBER: 115-07-1 LATITUDE: 39.818715 LONGITUDE: STATE: (42) Pennsylvania -75.413973

UTM ZONE:

COUNTY: (045) Delaware (045) METROPOLITAN PHILADELPHIA CITY: (47344) Marcus Hook

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR MONITOR TYPE: SPM 2015

REPORT FOR: UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

1 2110	(1131) 1011										2211	
	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			26.716									
2											38.100	84.300 5
3									6.600	AS		
4								30.000				
5		AF			4.5.400	6.000	8.460					
6 7	32.020		44.137	13.500	17.100							
8			44.13/								AS	AF
9									AS	16.200	AS	Ar
10								5.100		10.200		
11		5.234				AS	3.600					
12	48.729			20.400	31.200							
13			7.881									
14											40.800	AF
15									11.100	9.000		
16								36.000				
17	41 116	11.846		05.000	21 000	4.800	6.000					
18 19	41.116		23.330 EH	25.800	31.200							
20			23.330 EH								21.000	AS
21									2.580	36.000	21.000	no
22								1.740	2.300	22.300		
23		2.838				167.40 5	20.400					
24	95.092 5			AF	44.100							
25			20.700									
26											AS	5.700
27									AS	AS		
28								2.880				
29	00 513			6 200	6 000	109.20 5	28.200					
30	20.513		20 500	6.300	6.000							
31			28.500									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	95.092	11.846	44.137	25.800	44.100	167.40	28.200	36.000	11.100	36.000	40.800	84.300
MEAN:	47.4940	6.6393	25.2107	16.5000	25.9200	71.8500	13.3320	15.1440	6.7600	20.4000	33.3000	45.0000
ANNUA	L OBSERVATIONS	: 48	ANNUAL MEAN:	27.1961	ANNUAL MAX:	167.400						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

SITE ID: 42-045-0109

POC: 2

AIR QUALITY SYSTEM

RAW DATA REPORT Jul. 3, 2019

> CAS NUMBER: 106-99-0 LATITUDE: 39.818715 LONGITUDE: -75.413973

UTM ZONE:

UNITS: Parts per billion Carbon

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 0

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

(43218) 1,3-Butadiene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

URBAN AND CENTER CITY PROBE HEIGHT:

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING:

DURATION: 24 HOUR 2013 REPORT FOR:

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
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9		.00 ND				.00 ND	.00 ND					
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11			.00 ND									
12											.00 ND	.00 ND
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15		.00 ND				.00 ND	.00 ND					
16	.00 ND			.00 ND	.00 ND							
17			.00 ND								00.370	0.0 370
18 19									AF	.00 ND	.00 ND	.00 ND
20								.00 ND	Ar	.00 ND		
21		.00 ND				.00 ND	.00 ND	.00 ND				
22	.00 ND	.00 ND		.00 ND	.00 ND	.00 ND	.00 ND					
23	.00 ND		.00 ND	.00 ND	.00 110							
24											.00 ND	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AF	.00 ND							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	OBSERVATIONS:	59	ANNUAL MEAN:		ANNUAL MAX:	0.00						
				0.000								

AIR QUALITY SYSTEM

RAW DATA REPORT Jul. 3, 2019

> LATITUDE: 39.818715 LONGITUDE: -75.413973

106-99-0

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

(43218) 1,3-Butadiene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2014 REPORT FOR:

URBAN AND CENTER CITY

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING:

UNITS: Parts per billion Carbon

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND		
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.00 ND			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10 11	00 ME	.00 ND		.00 ND	AS	.00 ND	.00 ND					
12	.00 ND		.00 ND	.00 ND	AS							
13			.00 ND								.00 ND	.00 ND
14									.00 ND	AS	.00 ND	.00 ND
15								.00 ND	.00 110	-10		
16		.00 ND				.00 ND	.00 ND					
17	.00 ND			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	.00 ND
20									.00 ND	.00 ND		
21								AF				
22		.00 ND				.00 ND	.00 ND					
23	.00 ND			.00 ND	AS							
24			.00 ND									
25											.00 ND	AS
26								00.355	.00 ND	.00 ND		
27 28		AF				.00 ND	.00 ND	.00 ND				
28	.00 ND	Ar		.00 ND	.00 ND	.00 ND	.00 ND					
30	.00 110		AF	.00 ND	.00 10							
31												.00 ND
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	54	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

Jul. 3, 2019

CAS NUMBER: 106-99-0 LATITUDE: 39.818715 -75.413973 LONGITUDE:

UTM ZONE:

UTM NORTHING:

PROBE HEIGHT:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware (045) METROPOLITAN PHILADELPHIA CITY: (47344) Marcus Hook URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL:

MONITOR COMMENTS:

(43218) 1,3-Butadiene

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR

MONITOR TYPE: SPM 2015 REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO MIN DETECTABLE: (0851) Pennsylvania Department Of Environmental Protection

MONTH Day JANUARY FEBRUARY MARCH APRIL MAY THINE JULY AUGUST SEPTEMBER OCTOBER NOVEMBER DECEMBER 1 .00 ND 2 .00 ND .00 ND 3 .00 ND AS 4 .00 ND 5 .00 ND .00 ND AF .00 ND .00 ND .00 ND 7 .00 ND 8 AS AF 9 .00 ND AS 10 .00 ND 11 .00 ND AS .00 ND 12 .00 ND .00 ND .00 ND 13 .00 ND 14 .00 ND AF 15 .00 ND .00 ND 16 .00 ND .00 ND 17 .00 ND .00 ND 18 .00 ND .00 ND .00 ND 19 .00 ND 20 .00 ND AS 21 .00 ND .00 ND 22 .00 ND 23 .00 ND .00 ND .00 ND 24 .00 ND .00 ND AF 25 .00 ND 26 .00 ND AS 27 AS AS 28 .00 ND 29 .00 ND .00 ND 30 .00 ND .00 ND .00 ND 31 .00 ND 5 2 NO.: 3 6 4 5 4 5 5 3 3 3 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 MAX: 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 MEAN: ANNUAL OBSERVATIONS: 48 ANNUAL MEAN: 0.000 ANNUAL MAX: 0.00

Jul. 3, 2019

CAS NUMBER: 110-54-3 LATITUDE: 39.818715 LONGITUDE: -75.413973

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY UTM NORTHING: UTM EASTING: ELEVATION-MSL: 0 PROBE HEIGHT:

UTM ZONE:

UNITS: Parts per billion Carbon

MONITOR COMMENTS:

(43231) n-Hexane

CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2013 REPORT FOR:

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.47 SQ	1.61		
2								1.57				
3		1.01				2.93	.61 SQ					
4	1.46			.78	2.61							
5			2.41									
6											1.47 CC	1.87
7									.00 ND	.37 SQ		
8								1.22				
9		.43 SQ				.79	.93					
10	.94			4.82 5	2.95							
11			1.71									
12									50.00		.88	1.16
13								FA GO	.50 SQ	3.89		
14 15		3.04				70 70	1.18	.50 SQ				
16	1.87	3.04		1.06	4.19	.70 SQ	1.18					
17	1.07		.43 SQ	1.00	4.19							
18			.45 50								.94	.98
19									AF	2.17	.94	. 50
20								1.92	AL .	2.17		
21		.38 SQ				2.86	1.73	1.72				
22	.34 SQ	.50 52		2.19	1.04	2.00	1.73					
23			.65 SQ									
24											.00 ND	.42 SQ
25									.98	.67 CC		_
26								1.06				
27		2.35				2.52	2.15					
28	1.39			AF	5.06 5							
29			.75									
30											.94	.88
31										2.56		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	1.87	3.04	2.41	4.82	5.06	2.93	2.15	1.92	.98	3.89	1.47	1.87
MEAN:	1.200	1.442	1.190	2.213	3.170	1.960	1.320	1.254	.488	1.878	.846	1.062
ANNUAI	OBSERVATIONS:	59	ANNUAL MEAN:	1.513	ANNUAL MAX:	5.06						

Jul. 3, 2019

CAS NUMBER: 110-54-3 LATITUDE: 39.818715 -75.413973 LONGITUDE:

UTM ZONE:

UNITS: Parts per billion Carbon

DURATION: 24 HOUR

MIN DETECTABLE:

UTM NORTHING:

STATE: (42) Pennsylvania

REPORT FOR:

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

2014

LAND USE: INDUSTRIAL

UTM EASTING: LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection

POC: 2

(43231) n-Hexane

SITE ID: 42-045-0109

MONITOR COMMENTS:

COUNTY: (045) Delaware

CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

				Olimental Prote							MIN DEIE	011111111111111111111111111111111111111
	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1 2 3								1.98	2.55	1.33	.28 SQ	1.71
4		2.20				.68 SQ	.31 SQ	1.90				
5	5.30 5	2.20		.41 SQ	.56 SQ	.00 50	.31 50					
6			2.69									
7											.44 SQ	.25 SQ
8									2.77	.70 SQ		
9								1.52				
10		1.02				4.39	1.79					
11	5.32 5			38.45 5	AS							
12			4.36								25	
13									47 50	AS	.35 SQ	.33 SQ
14 15								.65 SQ	.47 SQ	Ab		
16		.43 SQ				1.47	.57 SQ	.03 30				
17	2.62	. 13 50		1.35	.56 SQ		.5. 50					
18			6.47 5									
19											.30 SQ	.61 SQ
20									5.02 5	.98		
21								AF				
22		6.09				1.13	.94					
23	.52 SQ			.37 SQ	AS							
24			.30 SQ									
25									71 65	46.65	1.19	AS
26 27								1.95	.71 SQ	.46 SQ		
28		AF				7.23 5	.75 CC	1.95				
29	1.14			3.11	1.71	7.23 3	.,,					
30			AF									
31												.66 SQ
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	5.32	6.09	6.47	38.45	1.71	7.23	1.79	1.98	5.02	1.33	1.19	1.71
MEAN:	2.980	2.435	3.455	8.738	.943	2.980	.872	1.525	2.304	.868	.512	.712
2 2121112	L OBSERVATIONS	54	ANNUAL MEAN:	2.434	ANNUAL MAX:	38.45						

Jul. 3, 2019

CAS NUMBER: 110-54-3 LATITUDE: 39.818715 -75.413973 LONGITUDE:

UTM ZONE:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware (045) METROPOLITAN PHILADELPHIA CITY: (47344) Marcus Hook

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

(43231) n-Hexane

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2015 REPORT FOR: UNITS: Parts per billion Carbon

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.95									
2											5.76 5	3.06
3									1.62	AS		
4								1.62				
5		AF				1.38	.91					
6	.68 SQ			3.84	1.68							
7			1.58									
8											AS	AF
9									AS	.96		
10						_		1.26				
11	1 24	1.06		1 00	1 20	AS	.96					
12	1.34		1 06	1.20	1.38							
13			1.06								2.00	3.17
14 15									.72	1.20	2.88	AF
16								5.16 5	. / 4	1.20		
17		.69 SQ				1.68	.72	3.10 3				
18	4.16	.02 50		2.46	3.60	1.00	. / 2					
19	1.10		.86	2.10	3.00							
20			.00								1.20	AS
21									1.08	5.16 5	1.20	
22								.47 SQ				
23		.35 SQ				1.26	.60 SQ					
24	1.18	~		AF	18.00 5		~					
25			1.56									
26											AS	.96
27									AS	AS		
28								.72 SQ				
29						1.35	1.80					
30	.66 SQ			.29 SQ	.43 SQ							
31			1.74									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	4.16	1.06	1.74	3.84	18.00	1.68	1.80	5.16	1.62	5.16	5.76	3.06
MEAN:	1.604	.700	1.292	1.948	5.018	1.418	.998	1.846	1.140	2.440	3.280	2.010
ANNUAL	OBSERVATIONS:	48	ANNUAL MEAN:	1.984	ANNUAL MAX:	18.00						

Jul. 3, 2019

CAS NUMBER: 142-82-5 LATITUDE: 39.818715 -75.413973 LONGITUDE:

STATE: (42) Pennsylvania

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0

PROBE HEIGHT:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2013 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	1.02		
2								.64 SQ				
3		.52 SQ				1.91	.00 ND	_				
4	.85			.41 SQ	1.20							
5			1.03									
6											.78 SQ	1.12
7									.74 SQ	.00 ND		
8								.48 SQ				
9		.00 ND				.39 SQ	.38 SQ					
10	.44 SQ			2.44 5	1.58							
11			.60 SQ									
12											.48 SQ	.60 SQ
13									.41 SQ	2.07		
14								.51 SQ				
15		.81 SQ				.42 SQ	.60 SQ					
16	1.02			.72 SQ	2.21 5							
17			.00 ND									
18											.50 SQ	.41 SQ
19									AF	1.09		
20		00.375				22.00	.89	.74 SQ				
21 22	.00 ND	.00 ND		1.87	.52 SQ	.33 SQ	.89					
23	.00 ND		.00 ND	1.87	.52 SQ							
24			.00 ND								.00 ND	.00 ND
25									.53 SQ	.44 SQ	.00 ND	.00 ND
26								.57 SQ	.55 50	.11 50		
27		1.06				.91	.78 SQ	.37 50				
28	.62 SQ			AF	1.84							
29			.47 SQ									
30											.41 SQ	.53 SQ
31										1.25		
	-	-	-		5	-	-	-	4	6	-	-
NO.:	5	5 1.06	5 1.03	2.44	3	5 1.91	5	.74	4	ŭ	.78	5 1.12
MAX:	1.02	.478	.420		2.21 1.470	.792	.89 .530	.74	.74	2.07 .978	. 434	.532
MEAN:	.300	.4/8	.420	1.360	1.4/0		.530	.588	.420	. 5 / 8	.434	.332
ANNUAI	OBSERVATIONS:	59	ANNUAL MEAN:	.714	ANNUAL MAX:	2.44						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(43232) n-Heptane

POC: 2

SITE ID: 42-045-0109

MONITOR COMMENTS:

COUNTY: (045) Delaware

CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

Jul. 3, 2019

CAS NUMBER: 142-82-5 LATITUDE: 39.818715

-75.413973

LONGITUDE:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL:

PROBE HEIGHT:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA CITY: (47344) Marcus Hook URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY

MONITOR COMMENTS:

(43232) n-Heptane

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR

2014 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO MIN DETECTABLE: (0851) Pennsylvania Department Of Environmental Protection

MONTH Day JANUARY FEBRUARY MARCH APRIL MAY THINE JULY AUGUST SEPTEMBER OCTOBER NOVEMBER DECEMBER 1 .00 ND 1.42 2 1.81 .57 SQ 3 .96 4 1.18 .00 ND .00 ND 5 2.87 5 .00 ND .00 ND 1.37 7 .22 SQ .00 ND 8 1.09 .33 SQ 9 .99 10 .41 SO 1.65 1.21 11 2.79 5 25.46 5 AS 12 2.40 5 13 .43 SQ .23 SQ 14 .25 SO AS .00 ND 15 16 .00 ND .84 SO .54 SO 17 1.56 .63 SQ .00 ND 18 1.08 19 .17 SO .41 SO 20 2.41 5 .44 SQ 21 AF 22 3.53 5 .60 SQ .67 SQ 23 .00 ND .00 ND AS 24 .00 ND 25 .85 AS 26 .47 SO .86 27 1.21 28 AF .69 SO .74 SO 29 .73 SQ .67 SQ .42 SO 30 AF 31 .49 SQ 5 5 5 5 5 NO.: 3 4 5 4 2.87 3.53 2.40 25.46 .42 1.65 1.21 1.21 2.41 .86 .85 1.42 MAX: 1.590 1.280 1.213 5.352 .140 .756 .632 .790 1.206 .550 .334 .510 MEAN: ANNUAL OBSERVATIONS: 54 ANNUAL MEAN: 1.253 ANNUAL MAX:

LOCATION SETTING:

Jul. 3, 2019

CAS NUMBER: 142-82-5 LATITUDE: 39.818715 -75.413973 LONGITUDE:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware (045) METROPOLITAN PHILADELPHIA

CITY: (47344) Marcus Hook URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

(43232) n-Heptane

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2015 REPORT FOR:

URBAN AND CENTER CITY

UNITS: Parts per billion Carbon

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.77 SQ									
2											2.24 5	4.13 5
3									.91	AS		
4								.77 SQ				
5		AF				.98	.41 SQ					
6	.34 SQ			.98	1.12							
7			1.06									
8											AS	AF
9								0.0	AS	.39 SQ		
10		60.50				3.0	64.50	.98				
11 12	60 80	.69 SQ		.58 SQ	E0 C0	AS	.64 SQ					
13	.69 SQ		.57 SQ	.50 SQ	.58 SQ							
14			.57 SQ								1.26	AF
15									.46 SQ	.50 SQ	1.20	
16								1.54	. 10 50	.50 50		
17		.37 SQ				.77 SQ	.34 SQ					
18	1.82			1.26	1.96							
19			.83 SQ									
20											.77 SQ	AS
21									.62 SQ	1.75		
22								.25 SQ				
23		.24 SQ				.36 SQ	.31 SQ					
24	.69 SQ			AF	6.09 5							
25			1.40									
26											AS	.50 SQ
27									AS	AS		
28								.66 SQ				
29						.40 SQ	.70 SQ					
30	.35 SQ			.00 ND	.00 ND							
31			.62 SQ									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	1.82	.69	1.40	1.26	6.09	.98	.70	1.54	.91	1.75	2.24	4.13
MEAN:	.778	.433	.875	.705	1.950	.628	.480	.840	.663	.880	1.423	2.315
ANNUAL	OBSERVATIONS	: 48	ANNUAL MEAN:	.951	ANNUAL MAX:	6.09						

Jul. 3, 2019

CAS NUMBER: 110-82-7 LATITUDE: 39.818715 -75.413973 LONGITUDE:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

(43248) Cyclohexane

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2013

URBAN AND CENTER CITY

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING:

REPORT FOR:

UNITS: Parts per billion Carbon

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.63 SQ		
2								.00 ND				
3		.68 SQ				3.22 5	.52 SQ					
4	1.94			.59 SQ	1.52							
5			1.07									
6											.69 SQ	1.27
7									.60 SQ	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.70 SQ					
10	.65 SQ			2.32	2.20							
11			1.26									
12											.55 SQ	.61 SQ
13 14								.00 ND	.00 ND	2.28		
15		1.91				.00 ND	.58 SQ	.00 ND				
16	2.58	1.91		1.43	2.47	.00 ND	.36 aQ					
17	2.30		.00 ND	1.45	2.1/							
18			.00 112								.57 SQ	.52 SQ
19									AF	.70 SQ		
20								1.01				
21		.00 ND				.62 SQ	1.13					
22	.00 ND			1.30	.50 SQ							
23			.00 ND									
24											.00 ND	.00 ND
25									.00 ND	.54 SQ		
26								1.04				
27		1.45				1.33	.00 ND					
28	1.39			AF	2.16							
29			.00 ND									
30											.29 SQ	.82
31										1.08		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	2.58	1.91	1.26	2.32	2.47	3.22	1.13	1.04	.60	2.28	.69	1.27
MEAN:	1.312	.808	.466	1.410	1.770	1.034	.586	.410	.150	.872	.420	.644
ANNUAI	OBSERVATIONS	: 59	ANNUAL MEAN:	.826	ANNUAL MAX:	3.22						

Jul. 3, 2019

110-82-7

CAS NUMBER:

PROBE HEIGHT:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania LONGITUDE: -75.413973 COUNTY: (045) Delaware

AQCR: (045) METROPOLITAN PHILADELPHIA UTM ZONE:

CITY: (4734) Marcus Hook

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

UTM NORTHING:

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

URBAN AND CENTER CITY

UTM EASTING:

UNDUSTRIAL

UTM EASTING:

UTM NORTHING:

UTM EASTING:

UTM EASTING:

UTM ADDITION SETTING:

UTM EASTING:

UTM EASTING:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR

MONITOR TYPE: SPM

REPORT FOR: 2014

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH DRECO

UNITS: Parts per billion Carbon

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per b
PQAO: (0851) Pennsylvania Department Of Environmental Protection

MIN DETECTABLE:

1 2110	(0031) 1011	ibjivania bepa	2000010 01 211111	ommerreur rrock	.001011						5515	0111000
	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	1.11
2									1.23	.31 SQ		
3								.46 SQ				
4		.78				.00 ND	.00 ND					
5	2.16 QX			.00 ND	.30 SQ							
6			.93									
7											.00 ND	.00 ND
8									.50 SQ	.37 SQ		
9								.00 ND				
10		.49 SQ				1.21	.00 ND					
11	1.72		2 10	7.54 5	AS							
12 13			2.18								.00 ND	.00 ND
14									.00 ND	AS	.00 ND	.00 ND
15								.00 ND	.00 ND	AD.		
16		.00 ND				.75	.63 SQ	.00 ND				
17	1.14	.00 ND		.33 SQ	.00 ND	.,,	.05 50					
18			.90	.55 50	.00 1.0							
19											.00 ND	.00 ND
20									.00 ND	.00 ND		
21								AF				
22		3.44 5				.27 SQ	.00 ND					
23	.00 ND			.00 ND	AS							
24			.00 ND									
25											.43 SQ	AS
26									.00 ND	.35 SQ		
27								.91				
28		AF				.00 ND	.87					
29	1.08			1.39	.40 SQ							
30			AF									
31												.49 SQ
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	2.16	3.44	2.18	7.54	.40	1.21	.87	.91	1.23	.37	.43	1.11
MEAN:	1.220	1.178	1.003	1.852	.233	.446	.300	.343	.346	.258	.086	.320
ANNUAI	OBSERVATIONS	54	ANNUAL MEAN:	.642	ANNUAL MAX:	7.54						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(43248) Cyclohexane

CAS NUMBER: 110-82-7 LATITUDE: 39.818715

Jul. 3, 2019

-75.413973

LONGITUDE:

UTM NORTHING:

UTM ZONE:

STATE: (42) Pennsylvania COUNTY: (045) Delaware (045) METROPOLITAN PHILADELPHIA CITY: (47344) Marcus Hook

(43248) Cyclohexane

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

POC: 2

SITE ID: 42-045-0109

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2015 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

_	MONTH	-										
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.47 SQ									
2											1.08	.96
3									.00 ND	AS		
4								.50 SQ				
5		AF				.50 SQ	.38 SQ					
6	.00 ND			2.82	1.20							
7			.85									
8											AS	AF
9									AS	.44 SQ		
10								.38 SQ				
11		.00 ND				AS	.00 ND					
12	.37 SQ			11.40 5	1.02							
13			.63 SQ									
14											.48 SQ	AF
15									.00 ND	.00 ND		
16								.96				
17		.00 ND				.00 ND	.00 ND					
18	.59 SQ			2.82	10.20 5							
19			2.65									
20											.00 ND	AS
21									.00 ND	1.80		
22								.00 ND				
23		.00 ND			40.00.5	2.52	.00 ND					
24	.00 ND			AF	10.80 5							
25			1.68								3.0	00
26									2.0	20	AS	.22 SQ
27								0.0 200	AS	AS		
28						1.44	41 60	.00 ND				
29	0.0 MT			0.0 200	00 200	1.44	.41 SQ					
30	.00 ND		1 00	.00 ND	.00 ND							
31			1.92									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	.59	0.00	2.65	11.40	10.80	2.52	.41	.96	0.00	1.80	1.08	.96
MEAN:	.192	0.000	1.367	4.260	4.644	1.115	.158	.368	0.000	.747	.520	.590
ANNUA	L OBSERVATIONS	: 48	ANNUAL MEAN:	1.281	ANNUAL MAX:	11.40						

REPORT FOR:

Jul. 3, 2019

CAS NUMBER: 1634-04-4 LATITUDE: 39.818715 -75.413973 LONGITUDE:

STATE: (42) Pennsylvania

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

2013

LAND USE: INDUSTRIAL LOCATION SETTING:

URBAN AND CENTER CITY ELEVATION-MSL: 0

UTM EASTING: PROBE HEIGHT:

UNITS: Parts per billion Carbon

DURATION: 24 HOUR

MIN DETECTABLE:

UTM NORTHING:

UTM ZONE:

MONITOR COMMENTS:

SITE ID: 42-045-0109

COUNTY: (045) Delaware

CITY: (47344) Marcus Hook

(43372) Methyl tert-butyl ether

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection

POC: 2

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			.00 ND	.00 ND							
11			.00 ND									
12											.00 ND	.00 ND
13									.00 ND	.00 ND		
14								.00 ND				
15		.00 ND				.00 ND	.00 ND					
16	.00 ND			.00 ND	.00 ND							
17			.00 ND									
18											.00 ND	.00 ND
19								0.0	AF	.00 ND		
20		00.170				00.370	0.0 277	.37 SQ				
21 22	0.0 MD	.00 ND		00 MD	00 MD	.00 ND	.00 ND					
23	.00 ND		.00 ND	.00 ND	.00 ND							
24			.00 ND								.00 ND	.00 ND
25									.00 ND	.00 ND	.00 ND	.00 ND
26								.00 ND	.00 112	.00 112		
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AF	.00 ND							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.37	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.074	0.000	0.000	0.000	0.000
ANNUAI	OBSERVATIONS:	59	ANNUAL MEAN:	.006	ANNUAL MAX:	.37						

Jul. 3, 2019

CAS NUMBER: 1634-04-4 LATITUDE: 39.818715 -75.413973

LONGITUDE:

UTM NORTHING:

UTM ZONE:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(43372) Methyl tert-butyl ether

(045) METROPOLITAN PHILADELPHIA CITY: (47344) Marcus Hook URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2014 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND		
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.00 ND			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8									.00 ND	.00 ND		
9		00.3				00	00	.00 ND				
10 11	.00 ND	.00 ND		.00 ND	AS	.00 ND	.00 ND					
12	.UU UU.		.26 SQ	.UU ND	AS							
13			.20 30								.00 ND	.00 ND
14									.00 ND	AS	.00 10	.00 MD
15								.00 ND				
16		.00 ND				.00 ND	.00 ND					
17	.00 ND			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	.00 ND
20									.00 ND	.00 ND		
21								AF				
22		.74				.00 ND	.00 ND					
23	.00 ND		00.3	.00 ND	AS							
24 25			.00 ND								.00 ND	AS
25 26									.00 ND	.00 ND	.UU ND	AS
27								.00 ND	.00 ND	.00 ND		
28		AF				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	0.00	.74	.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	.185	.065	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	OBSERVATIONS				ANNUAL MAX:	.74						
ANNUAL	ODSEKVALIONS	: 54	ANNUAL MEAN:	.019	ANNUAL MAX:	./4						

RAW DATA REPORT Jul. 3, 2019

CAS NUMBER: 1634-04-4
LATITUDE: 39.818715
LONGITUDE: -75.413973

AQCR: (045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL
LOCATION SETTING: URBAN AND CENTER CITY

ELEVATION-MSL: 0
PROBE HEIGHT:

MONITOR COMMENTS:

CITY: (47344) Marcus Hook

(43372) Methyl tert-butyl ether

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015 DURATION: 24 HOUR

UNITS: Parts per billion Carbon

UTM ZONE:

UTM NORTHING:

UTM EASTING:

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
6	.00 ND			.29 SQ	.00 ND							
7			.00 ND									
8											AS	AF
9									AS	.00 ND		
10								.00 ND				
11	0.0 MD	.00 ND		00.375	0.0 200	AS	.00 ND					
12 13	.00 ND		.00 ND	.00 ND	.00 ND							
13			.UU ND								.00 ND	AF
15									.00 ND	.00 ND	.00 ND	MF
16								.00 ND	.00 ND	.00 ND		
17		.00 ND				.00 ND	.00 ND	.00 142				
18	.00 ND	.00 112		.00 ND	.00 ND	.00 112	.00 112					
19			.41 SQ									
20			~								.00 ND	AS
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				.00 ND	.00 ND					
24	.00 ND			AF	.00 ND							
25			.00 ND									
26											AS	.00 ND
27									AS	AS		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			.14 SQ									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.00	0.00	.41	.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	.092	.073	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	48	ANNUAL MEAN:	.018	ANNUAL MAX:	.41						

Jul. 3, 2019

LATITUDE: 39.818715 POC: 2 STATE: (42) Pennsylvania -75.413973 LONGITUDE:

(045) METROPOLITAN PHILADELPHIA

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

107-02-8

COUNTY: (045) Delaware CITY: (47344) Marcus Hook URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

(43505) Acrolein - Unverified

SITE ID: 42-045-0109

LAND USE: INDUSTRIAL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2013 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									1.59 CC	1.19		
2								1.67 CC				
3		.65				.97	3.59 5					
4	1.13			.26 SQ	1.48 CC							
5			.00 ND									
6											.99 CC	.96 CC
7									1.17 CC	1.29 CC		
8								1.23				
9		.86				2.85 5	.81 CC					
10	.41			.00 ND	2.12 CC							
11			1.54									
12											.81 CC	.75 CC
13								0.62.00	. 69	.97 CC		
14 15		.34 SQ				.46 CC	.73 CC	2.63 CC				
16	.84	.34 SQ		1.93	1.69	.46 00	.73 00					
17	.01		.40 CC	1.93	1.09							
18			. 10 00								.37 CC	1.40
19									AF	.52 CC		
20								.90 CC				
21		.27 SQ				.38 CC	1.37 CC					
22	.49			.47	1.36							
23			.00 ND									
24											.53 CC	1.42 CC
25									.50 CC	1.63		
26								1.00 CC				
27		.73				3.63 5	1.67 CC					
28	1.46			AF	2.34							
29			1.22									
30											.93 CC	1.11
31										.64		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	1.46	.86	1.54	1.93	2.34	3.63	3.59	2.63	1.59	1.63	.99	1.42
MEAN:	.866	.570	.632	.665	1.798	1.658	1.634	1.486	.988	1.040	.726	1.128
ANNUAI	L OBSERVATIONS:	59	ANNUAL MEAN:	1.107	ANNUAL MAX:	3.63						

Jul. 3, 2019

CAS NUMBER: 107-02-8 LATITUDE: 39.818715 -75.413973 LONGITUDE:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

STATE: (42) Pennsylvania

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2014

MONITOR TYPE: SPM REPORT FOR: UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.75 CC	1.34 CC
2									.63 CC	.56 CC		
3								.91 CC				
4		.67 CC				1.70 CC	1.35					
5	1.61 CC			.83 CC	2.26							
6			.42 CC									
7											.80 CC	.19 CC
8									.54 CC	1.08 CC		
9								1.96 CC				
10		.43 CC				.86 CC	1.19 CC					
11	1.31		1 22	3.45 5	AS							
12 13			1.33								20 66	22 66
13									1.86	AS	.28 CC	.32 CC
15								2.14 CC	1.00	AD		
16		1.14 CC				1.63	1.23 CC	2.17 ((
17	1.38	1.11 00		1.12 CC	1.40	1.05	1.25 00					
18	1.55		.47 CC	1.12 00	2.20							
19											.75 CC	1.58
20									1.33	.46 CC		
21								AF				
22		.58 CC				2.58	.62 CC					
23	.41 CC			1.52	AS							
24			.73 CC									
25											.58 CC	AS
26									.54 CC	.26 CC		
27								1.39				
28		AF				1.32 CC	.84 CC					
29	.85 CC			.36 CC	1.70							
30			AF									
31												1.26
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	1.61	1.14	1.33	3.45	2.26	2.58	1.35	2.14	1.86	1.08	.80	1.58
MEAN:	1.112	.705	.738	1.456	1.787	1.618	1.046	1.600	.980	.590	.632	.938
ANNUAL	OBSERVATIONS	: 54	ANNUAL MEAN:	1.089	ANNUAL MAX:	3.45						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(43505) Acrolein - Unverified

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

POC: 2

SITE ID: 42-045-0109

COUNTY: (045) Delaware

CITY: (47344) Marcus Hook

Jul. 3, 2019

CAS NUMBER: 107-02-8 LATITUDE: 39.818715 -75.413973

STATE: (42) Pennsylvania

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY

ELEVATION-MSL: 0 PROBE HEIGHT:

LONGITUDE:

UTM NORTHING:

UTM EASTING:

UTM ZONE:

UNITS: Parts per billion Carbon

MONITOR COMMENTS:

SITE ID: 42-045-0109

COUNTY: (045) Delaware

CITY: (47344) Marcus Hook

(43505) Acrolein - Unverified

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

POC: 2

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2015 REPORT FOR:

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.46 CC									
2											1.14	.51 CC
3									1.65	AS		
4								1.79				
5		AF				.78 CC	1.23					
6	.87			.57 CC	.66 CC							
7			.91									
8									10	1 05	AS	AF
9 10								.75 CC	AS	1.05		
11		.51 CC				AS	1.98	.73 CC				
12	.46 CC	.51 00		3.90 5	1.68	AD	1.50					
13			1.25 CC									
14											.28 CC	AF
15									1.08	.99		
16								.51 CC				
17		.46 CC				1.38	1.80					
18	.58 CC			.42 CC	1.74							
19			1.22									
20											1.26	AS
21									.78	1.47		
22								1.47				
23	24 99	.57 CC			1 11	1.11	1.20					
24	.34 CC		.25 CC	AF	1.11							
25 26			.25 CC								AS	.36 CC
27									AS	AS	AG.	.50 00
28								2.43				
29						.91	2.46					
30	.33 CC			1.47	1.38							
31			.30 SQ									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	.87	.57	1.25	3.90	1.74	1.38	2.46	2.43	1.65	1.47	1.26	.51
MEAN:	.516	.513	.732	1.590	1.314	1.045	1.734	1.390	1.170	1.170	.893	.435
ANNUA	L OBSERVATIONS	48	ANNUAL MEAN:	1.079	ANNUAL MAX:	3.90						

LOCATION SETTING:

(43551) Acetone CAS NUMBER: 67-64-1

SITE ID: 42-045-0109 POC: 2 COUNTY: (045) Delaware

CITY: (47344) Marcus Hook SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco PQAO: (0851) Pennsylvania Department Of Environmental Protection

STATE: (42) Pennsylvania LONGITUDE: -75.413973

AQCR: (045) METROPOLITAN PHILADELPHIA UTM ZONE:

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING:

LAND USE: INDUSTRIAL UTM EASTING:

PHILADELPHIA, PA-NJ UTM NORTHING:

UTM EASTING:

URBAN AND CENTER CITY ELEVATION-MSL: 0

PROBE HEIGHT:

REPORT FOR: 2013 DURATION: 24 HOUR

UNITS: Parts per billion Carbon

LATITUDE:

Jul. 3, 2019

39.818715

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									28.350	18.471		
2								27.753 CC				
3		9.132				24.012	30.819 EH					
4	17.961			9.192	16.854 CC							
5			8.172									
6											8.910 CC	14.529
7									15.345	12.321 CC		
8		0.054				0.5 0.5	04 000	12.894 CC				
9 10	10 255	8.064		26.979	40 151 5	36.756 EH	24.072 CC					
11	10.377		13.560	26.979	48.171 5							
12			13.500								10.728	8.697
13									14.820 CC	9.045 CC	10.726	0.037
14								15.699 CC	11.020 CC	3.015 CC		
15		10.635				13.629	27.354 CC	13.033 00				
16	12.765 CC			29.142	30.501 EH							
17			8.049 CC									
18											6.789	11.289
19									AF	19.992		
20								19.293 CC				
21		6.330 CC				8.328	32.754 EH					
22	5.013 CC			9.699	24.936 CC							
23			7.377									
24											5.976	11.592 CC
25									16.227 CC	13.200		
26								18.195 CC				
27		12.018				32.898 EH	27.882 CC					
28	15.051			AF	27.879							
29			20.913								10 202	11 020 00
30										10 100	10.383	11.839 CC
31										12.192		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	17.961	12.018	20.913	29.142	48.171	36.756	32.754	27.753	28.350	19.992	10.728	14.529
MEAN:	12.2334	9.2358	11.6142	18.7530	29.6682	23.1246	28.5762	18.7668	18.6855	14.2035	8.5572	11.5892
ANNUA	L OBSERVATION	S: 59	ANNUAL MEAN:	16.9797	ANNUAL MAX:	48.171						

LAND USE: INDUSTRIAL

LOCATION SETTING:

(43551) Acetone SITE ID: 42-045-0109 POC: 2

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco (0851) Pennsylvania Department Of Environmental Protection

LATITUDE: 39.818715 STATE: (42) Pennsylvania -75.413973 LONGITUDE: (045) METROPOLITAN PHILADELPHIA UTM ZONE:

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: UTM EASTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 PROBE HEIGHT:

DURATION: 24 HOUR 2014 REPORT FOR:

UNITS: Parts per billion Carbon

CAS NUMBER:

Jul. 3, 2019

67-64-1

MIN DETECTABLE:

		-										
D	MONTH	BEDDIIADA	MADGII	ADDII	MAST	TIME	7777 37	AUGUAM	OHDERMDED.	OGMODED	MOMEMBER	DEGEMBER
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											12.639 CC	17.846 CC
2									16.391	11.753		
3								14.815 CC				
4		9.353				26.179	16.256					
5	7.907 CC			7.391 CC	22.357							
6			7.080 CC								10 000 00	6 200 00
7									12 277 00	12 207 00	12.820 CC	6.387 CC
8 9								20.318 CC	12.377 CC	13.387 CC		
10		11.796				29.346	31.162 EH	20.318 CC				
11	23.025	11.790		63.397 5	AS	29.340	J1.102 ER					
12	23.023		21.894	03.357 3	200							
13			22.051								14.386 CC	6.409 CC
14									21.490	AS		
15								17.309 CC				
16		11.574 CC				33.164 EH	23.660 CC					
17	12.768			17.965	17.695							
18			9.245									
19											10.130 CC	22.694
20									18.236	8.640 CC		
21								AF				
22		11.697				24.342	19.308 CC					
23	5.695 CC			18.825	AS							
24			8.314 CC									
25											12.010 CC	AS
26									12.038	6.257 CC		
27								17.648 CC				
28		AF				23.729	19.814 CC					
29	8.742 CC			9.328	19.447							
30			AF									10 000 00
31												10.999 CC
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	23.025	11.796	21.894	63.397	22.357	33.164	31.162	20.318	21.490	13.387	14.386	22.694
MEAN:	11.6274	11.1050	11.6333	23.3812	19.8330	27.3520	22.0400	17.5225	16.1064	10.0093	12.3970	12.8670
ANNUA	L OBSERVATIONS	S: 54	ANNUAL MEAN:	: 16.4710	ANNUAL MAX:	63.397						
		~ ·		10.1.10								

Jul. 3, 2019 (43551) Acetone CAS NUMBER: 67-64-1

LATITUDE: 39.818715 SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania -75.413973 LONGITUDE: COUNTY: (045) Delaware (045) METROPOLITAN PHILADELPHIA UTM ZONE:

CITY: (47344) Marcus Hook URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2015 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			6.206 CC									
2											23.100	7.200 CC
3									27.600	AS		
4								21.900				
5		AF				15.900	29.340					
6	7.807 CC			18.600	9.600 CC							
7			14.982									
8											AS	AF
9									AS	17.100		
10								12.600 CC				
11		9.296 CC				AS	25.200					
12	7.149 CC			43.500 5	12.000 CC							
13			13.028 CC								F 400 ~~	
14 15									15.300	10.800 CC	5.400 CC	AF
16								17.700	15.300	10.800 CC		
17		6.481 CC				21.000	19.800	17.700				
18	7.089 CC	0.401 CC		27.000	23.400	21.000	19.000					
19			19.264 EH	27.000	23.100							
20											16.200	AS
21									10.200 CC	20.700		
22								16.800				
23		7.616 CC				19.200	17.400					
24	7.313 CC			AF	15.000							
25			11.400									
26											AS	6.900 CC
27									AS	AS		
28								19.500				
29						18.330	26.400					
30	5.243 CC			6.900 CC	16.200							
31			9.300									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	7.807	9.296	19.264	43.500	23.400	21.000	29.340	21.900	27.600	20.700	23.100	7.200
MEAN:	6.9202	7.7977	12.3633	24.0000	15.2400	18.6075	23.6280	17.7000	17.7000	16.2000	14.9000	7.0500
ANNUA	L OBSERVATIONS	: 48	ANNUAL MEAN:	15.5405	ANNUAL MAX:	43.500						

LOCATION SETTING:

RAW DATA REPORT

Jul. 3, 2019

CAS NUMBER: 78-93-3 LATITUDE: 39.818715 -75.413973 LONGITUDE:

ELEVATION-MSL: 0

PROBE HEIGHT:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: LAND USE: INDUSTRIAL UTM EASTING:

MONITOR COMMENTS:

CITY: (47344) Marcus Hook

(43552) Methyl ethyl ketone

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2013 REPORT FOR:

URBAN AND CENTER CITY

UNITS: Parts per billion Carbon

UTM ZONE:

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									3.684 CC	1.572		
2								2.544 CC				
3		.964				3.992	3.040 CC					
4	1.812			1.120	2.264 CC							
5			1.048									
6											1.304 CC	2.612
7									1.788 CC	.000 ND		
8								1.560 CC				
9		1.256				7.176 5	2.888 CC					
10	.964			3.388	7.092 5							
11			1.500									
12									0.456		1.852	1.076
13								000 177	2.176	.000 ND		
14 15		1.632				1 420	2 240 00	.000 ND				
16	1.244	1.032		4.088	4.528 CC	1.428	3.248 CC					
17	1.244		1.028 CC	4.000	4.526 CC							
18			1.020 CC								.868 CC	1.384
19									AF	1.756	.000 CC	1.301
20								2.620 CC	AL	1.750		
21		.896				1.016	3.056 CC	2.020 CC				
22	.704	.050		1.124	3.396 CC	1.010	3.030 00					
23			.840									
24											.632 CC	1.092 CC
25									.000 ND	1.372 CC		
26								3.476 CC				
27		1.704				3.292 CC	2.844 CC					
28	1.628			AF	2.736							
29			2.412									
30											1.568 CC	1.079 CC
31										2.416		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	1.812	1.704	2.412	4.088	7.092	7.176	3.248	3.476	3.684	2.416	1.852	2.612
MEAN:	1.2704	1.2904	1.3656	2.4300	4.0032	3.3808	3.0152	2.0400	1.9120	1.1860	1.2448	1.4486
ANNUA	L OBSERVATIONS	: 59	ANNUAL MEAN:	2.0302	ANNUAL MAX:	7.176						

Jul. 3, 2019

CAS NUMBER: 78-93-3 LATITUDE: 39.818715 -75.413973 LONGITUDE:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL LOCATION SETTING: URBAN AND CENTER CITY UTM EASTING: ELEVATION-MSL: 0 PROBE HEIGHT:

UTM ZONE:

UNITS: Parts per billion Carbon

UTM NORTHING:

MONITOR COMMENTS:

CITY: (47344) Marcus Hook

(43552) Methyl ethyl ketone

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2014 REPORT FOR:

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											1.729 CC	2.258 CC
2									2.506	1.547 CC		
3								2.159 CC				
4		1.542				2.856	1.840					
5	1.642 CC			1.031 CC	1.954							
6			1.182 CC									
7											1.529 CC	.736 CC
8									2.008 CC	1.472 CC		
9 10		2 002				5.131 5	2 510	2.681 CC				
10	2.291	2.902		9.266 5	AS	5.131 5	3.510					
12	2.251		3.363	J.∠00 5	AD							
13			3.303								1.878 CC	.714 CC
14									4.067	AS	1.370 CC	.,11 cc
15								2.908 CC				
16		1.768 CC				4.157	2.686 CC					
17	1.364			2.413	1.530							
18			1.654									
19											.990 CC	2.561
20									2.222	1.627 CC		
21								AF				
22		1.486				3.019	1.854 CC					
23	.759 CC			2.356	AS							
24			1.144 CC									
25											1.638 CC	AS
26									1.647 CC	.819 CC		
27								2.142 CC				
28		AF			0.045	3.163	1.859 CC					
29	.755 CC			1.349	2.217							
30			AF									1 102 22
31												1.193 CC
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	2.291	2.902	3.363	9.266	2.217	5.131	3.510	2.908	4.067	1.627	1.878	2.561
MEAN:	1.3622	1.9245	1.8358	3.2830	1.9003	3.6652	2.3498	2.4725	2.4900	1.3663	1.5528	1.4924
ANNUAI	L OBSERVATIONS	: 54	ANNUAL MEAN:	2.1680	ANNUAL MAX:	9.266						

Jul. 3, 2019

CAS NUMBER: 78-93-3 LATITUDE: 39.818715 -75.413973 LONGITUDE:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 PROBE HEIGHT:

MONITOR COMMENTS:

CITY: (47344) Marcus Hook

(43552) Methyl ethyl ketone

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2015 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			1.145 CC									
2											2.840	.840 CC
3									3.800	AS		
4								3.120				
5		AF				2.040	3.720					
6	.874 CC			1.760 CC	1.920							
7			1.860 CC									
8									3.0	0.060	AS	AF
9 10								1.680 CC	AS	2.960		
11		.000 ND				AS	2.760	1.000 CC				
12	1.115 CC	.000 ND		3.840	2.320	AO	2.700					
13	1.115 00		2.030 CC	3.010	2.520							
14											.520 CC	AF
15									1.880 CC	1.680 CC		
16								2.760				
17		1.085 CC				2.760	3.160					
18	.820 CC			2.400	3.280							
19			5.694 5									
20											2.040	AS
21									1.440 CC	2.960		
22								2.080				
23		1.447 CC				3.200	2.120					
24	.910 CC			AF	1.440 CC							
25			1.440								20	7.00 .00
26 27									AS	AS	AS	.760 CC
28								2.600	Ab	Ab		
29						1.872	3.760	2.000				
30	.893 CC			1.120 CC	2.320	1.072	3.700					
31			.800									
	-	2		4	-		-	-	2	2	2	0
NO.:	5	3 1.447	6	4	5	4	5	5 3.120	3	3	3	2
MAX:	1.115 .9224	.8440	5.694 2.1615	3.840 2.2800	3.280 2.2560	3.200 2.4680	3.760 3.1040	2.4480	3.800 2.3733	2.960 2.5333	2.840 1.8000	.840 .8000
MEAN:			2.1015	2.2000			3.1040	2.4400	2.3/33	2.3333	1.0000	. 5500
ANNUAI	L OBSERVATIONS	48	ANNUAL MEAN:	2.0805	ANNUAL MAX:	5.694						

Jul. 3, 2019

CAS NUMBER: 591-78-6 LATITUDE: 39.818715 -75.413973

LONGITUDE:

UTM NORTHING:

PROBE HEIGHT:

UNITS: Parts per billion Carbon

UTM ZONE:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL UTM EASTING: LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0

MONITOR COMMENTS:

CITY: (47344) Marcus Hook

(43559) Methyl Butyl Ketone

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2013 REPORT FOR:

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.000 ND	.000 ND		
2								.000 ND				
3		.000 ND				.000 ND	.000 ND					
4	.000 ND			.000 ND	.000 ND							
5			.000 ND									
6											.000 ND	.000 ND
7									.000 ND	.000 ND		
8								.000 ND				
9		.000 ND				.000 ND	.000 ND					
10	.000 ND			.000 ND	.000 ND							
11			.000 ND									
12											.000 ND	.000 ND
13									.000 ND	.000 ND		
14								.000 ND				
15	000 175	.000 ND		206 20	000 175	.000 ND	.000 ND					
16 17	.000 ND		.000 ND	.396 SQ	.000 ND							
18			.000 ND								.000 ND	.000 ND
19									AF	.000 ND	.000 ND	.000 ND
20								.000 ND	Ar	.000 ND		
21		.000 ND				.000 ND	.000 ND	.000 ND				
22	.000 ND			.000 ND	.000 ND							
23			.000 ND									
24											.000 ND	.000 ND
25									.000 ND	.000 ND		
26								.000 ND				
27		.000 ND				.000 ND	.000 ND					
28	.000 ND			AF	.000 ND							
29			.000 ND									
30											.000 ND	.000 ND
31										.000 ND		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.000	0.000	0.000	.396	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	.0990	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAL	OBSERVATIONS:	59	ANNUAL MEAN:	.0067	ANNUAL MAX:	.396						

AIR QUALITY SYSTEM

(045) METROPOLITAN PHILADELPHIA

URBAN AND CENTER CITY

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

DURATION: 24 HOUR

ELEVATION-MSL: 0

591-78-6

RAW DATA REPORT Jul. 3, 2019

LATITUDE: 39.818715 SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania -75.413973 LONGITUDE:

COUNTY: (045) Delaware CITY: (47344) Marcus Hook SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

(43559) Methyl Butyl Ketone

LAND USE: INDUSTRIAL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM 2014 REPORT FOR: UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.000 ND	.000 ND
2									.000 ND	.000 ND		
3								.000 ND				
4		.000 ND				.376 SQ	.000 ND					
5	.000 ND			.000 ND	.000 ND							
6			.000 ND									
7											.000 ND	.000 ND
8									.000 ND	.000 ND		
9								.000 ND				
10		.000 ND				.515 SQ	.671 SQ					
11	.000 ND			.000 ND	AS							
12			.000 ND									
13									000		.000 ND	.000 ND
14								000 200	.000 ND	AS		
15 16		.000 ND				.512 SQ	.334 SQ	.000 ND				
17	.000 ND	.UU UUU.		.317 SQ	.000 ND	.512 SQ	.334 SQ					
18	.000 ND		.000 ND	.31/ SQ	.000 ND							
19			.000 ND								.000 ND	.000 ND
20									.000 ND	.000 ND	.ccc ND	.ccc ND
21								AF				
22		.000 ND				.503 SQ	.536 SQ					
23	.000 ND			.000 ND	AS	- 2	~					
24			.000 ND									
25											.000 ND	AS
26									.000 ND	.000 ND		
27								.000 ND				
28		AF				.734	.000 ND					
29	.000 ND			.000 ND	.213 SQ							
30			AF									
31												.000 ND
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	0.000	0.000	0.000	.317	.213	.734	.671	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	.0634	.0710	.5280	.3082	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUA	L OBSERVATIONS	: 54	ANNUAL MEAN:	.0872	ANNUAL MAX:	.734						

LAND USE: INDUSTRIAL

Jul. 3, 2019

CAS NUMBER: 591-78-6 LATITUDE: 39.818715 -75.413973

LONGITUDE:

UTM NORTHING:

UTM EASTING:

UTM ZONE:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

CITY: (47344) Marcus Hook

(43559) Methyl Butyl Ketone

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco (0851) Pennsylvania Department Of Environmental Protection

LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 PROBE HEIGHT:

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

DURATION: 24 HOUR 2015 REPORT FOR:

UNITS: Parts per billion Carbon

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.000 ND									
2											.000 ND	.000 ND
3									.000 ND	AS		
4								.000 ND				
5		AF				.000 ND	.000 ND					
6	.000 ND		000 175	.000 ND	.000 ND							
7 8			.000 ND								AS	AF
9									AS	.000 ND	AS	Ar
10								.000 ND	110	.000 112		
11		.000 ND				AS	.000 ND					
12	.000 ND			.390 SQ	.000 ND							
13			.000 ND									
14											.000 ND	AF
15									.000 ND	.000 ND		
16								.000 ND				
17		.000 ND				.000 ND	.000 ND					
18 19	.000 ND		1.262 5	.000 ND	.000 ND							
20			1.202 5								.000 ND	AS
21									.000 ND	.000 ND	.000 ND	AD
22								.000 ND				
23		.000 ND				.000 ND	.000 ND					
24	.000 ND			AF	.000 ND							
25			.000 ND									
26											AS	.000 ND
27									AS	AS		
28						.000 ND	.000 ND	.000 ND				
29 30	.000 ND			.000 ND	.000 ND	.000 ND	.000 ND					
31	.000 ND		.000 ND	.000 ND	.000 ND							
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.000	0.000	1.262	.390 .0975	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	.2103	.09/5			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUA	L OBSERVATIONS:	48	ANNUAL MEAN:	.0344	ANNUAL MAX:	1.262						

Jul. 3, 2019

(43560) Methyl isobutyl ketone LATITUDE: 39.818715 SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania -75.413973 LONGITUDE:

LAND USE: INDUSTRIAL

LOCATION SETTING:

(045) METROPOLITAN PHILADELPHIA

URBAN AND CENTER CITY

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

108-10-1

COUNTY: (045) Delaware CITY: (47344) Marcus Hook SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2013 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			.66 SQ	.00 ND							
11			.00 ND									
12											.00 ND	.00 ND
13									.00 ND	.00 ND		
14								.00 ND				
15		.00 ND				.00 ND	.00 ND					
16	.00 ND			.00 ND	.00 ND							
17			.00 ND									
18											.00 ND	.00 ND
19								.00 ND	AF	.00 ND		
20 21		.00 ND				.00 ND	.00 ND	.00 ND				
22	.00 ND	.00 ND		.00 ND	.00 ND	.00 ND	.00 ND					
23	.00 ND		.00 ND	.00 ND	.00 ND							
24			.00 ND								.00 ND	.00 ND
25									.00 ND	.25 SQ	.00 ND	.00 ND
26								.20 SQ	.00 112	.23 00		
27		.00 ND				.00 ND	.00 ND	1=1 22				
28	.00 ND			AF	.43 SQ							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.	-	-	5	4	5	5	5	5	4	6	-	-
NO.: MAX:	5 0.00	0.00	0.00	.66	.43	0.00	0.00	.20	0.00	. 25	5 0.00	5 0.00
MEAN:	0.000	0.00	0.000	.165	.086	0.000	0.000	.040	0.000	.042	0.000	0.000
							0.000	.010	0.000	.042	0.000	0.000
ANNUAL	OBSERVATIONS:	59	ANNUAL MEAN:	.026	ANNUAL MAX:	.66						

RAW DATA REPORT Jul. 3, 2019

CAS NUMBER: 108-10-1 LATITUDE: 39.818715

AQCR: (045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL
LOCATION SETTING: URBAN AND CENTER CITY

UTM EASTING:
ELEVATION-MSL: 0
PROBE HEIGHT:

LONGITUDE:

UTM NORTHING:

UTM ZONE:

-75.413973

MONITOR COMMENTS:

CITY: (47344) Marcus Hook

(43560) Methyl isobutyl ketone

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

(0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

REPORT FOR: 2014 DURATION: 24 HOUR
UNITS: Parts per billion Carbon

MIN DETECTABLE:

-	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND		
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.36 QX			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8									.00 ND	.57 SQ		
9								.00 ND				
10		.19 SQ				.00 ND	.00 ND					
11	.00 ND			.60 SQ	AS							
12			.18 SQ									
13											.00 ND	.00 ND
14									.00 ND	AS		
15								.00 ND				
16		.00 ND				.00 ND	.00 ND					
17	.00 ND			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	.00 ND
20									.00 ND	.00 ND		
21								AF				
22	00.375	.00 ND		00.375	3.0	.00 ND	.00 ND					
23 24	.00 ND		.00 ND	.00 ND	AS							
25			.UU ND								.00 ND	AS
25 26									.00 ND	.00 ND	.00 ND	AD
27								.00 ND	.00 ND	.00 ND		
28		AF				.00 ND	.00 ND	. OO ND				
29	.00 ND			.00 ND	.00 ND	.00 110	.00 ND					
30			AF									
31												.00 ND
	_		_	_		_	_		_		_	
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	.36	.19	.18	.60	0.00	0.00	0.00	0.00	0.00	.57	0.00	0.00
MEAN:	.072	.048	.045	.120	0.000	0.000	0.000	0.000	0.000	.143	0.000	0.000
ANNUA	L OBSERVATIONS	54	ANNUAL MEAN:	.035	ANNUAL MAX:	.60						

LOCATION SETTING:

Jul. 3, 2019

CAS NUMBER: 108-10-1 LATITUDE: 39.818715 LONGITUDE: UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL:

PROBE HEIGHT:

-75.413973

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ LAND USE: INDUSTRIAL

URBAN AND CENTER CITY

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT MONITOR COMMENTS:

(43560) Methyl isobutyl ketone

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

CITY: (47344) Marcus Hook

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR

2015 MONITOR TYPE: SPM REPORT FOR: UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

MIN DETECTABLE: (0851) Pennsylvania Department Of Environmental Protection

MONTH Day JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY AUGUST SEPTEMBER OCTOBER NOVEMBER DECEMBER 1 .00 ND 2 .00 ND .00 ND 3 .00 ND AS 4 .00 ND 5 .00 ND .00 ND AF .00 ND .00 ND .00 ND 7 .00 ND 8 AS AF 9 .00 ND AS 10 .00 ND 11 .00 ND AS .00 ND 12 .00 ND .00 ND .00 ND 13 .00 ND 14 .00 ND AF 15 .00 ND .00 ND 16 .00 ND 17 .00 ND .00 ND .00 ND 18 .00 ND .00 ND .00 ND 19 .00 ND 20 .00 ND AS 21 .00 ND .00 ND 22 .00 ND 23 .00 ND .00 ND .00 ND 24 .00 ND .00 ND AF 25 .00 ND 26 .00 ND AS 27 AS AS 28 .00 ND .00 ND 29 .00 ND 30 .00 ND .00 ND .00 ND 31 .00 ND 5 2 NO.: 3 6 4 5 4 5 5 3 3 3 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 MAX: 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 MEAN: ANNUAL OBSERVATIONS: 48 ANNUAL MEAN: 0.000 ANNUAL MAX:

Jul. 3, 2019

CAS NUMBER: 74-87-3 LATITUDE: 39.818715 -75.413973 LONGITUDE:

STATE: (42) Pennsylvania

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

UTM EASTING: LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0

PROBE HEIGHT:

POC: 2

MONITOR TYPE: SPM

MONITOR COMMENTS:

SITE ID: 42-045-0109

COUNTY: (045) Delaware

CITY: (47344) Marcus Hook

(43801) Chloromethane

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection

	2013	DURATION: 2	4.	HUUR	
REPORT FOR:	ZU13				

UNITS: Parts per billion Carbon MIN DETECTABLE:

UTM ZONE:

UTM NORTHING:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.78	.48		
2								.57				
3		.56				.80	.71					
4	.47			.63	.64							
5			.68									
6											.55	.74
7									.55	.35 LL		
8								.56 CC				
9		.69				.55	.72					
10	.70			.66	.70							
11			.65									
12											.58	.67
13									.59	.32 LL		
14								.29				
15		.68				.60	.64					
16	.64			.66	.65							
17 18			.64								.55	.64
19									AF	.52	.55	.04
20								.68	Ar	.52		
21		.68				.38	.67	.00				
22	.48	.00		.62	.81	.50	.07					
23	. 10		.64	.02	.01							
24											.56	.61
25									.37	.55		
26								.51				
27		.63				.67	.55					
28	.62			AF	.77							
29			.69									
30											.61	.67
31										.66		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	.70	.69	.69	.66	.81	.80	.72	.68	.78	.66	.61	.74
MEAN:	.582	.648	.660	.643	.714	.600	.658	.522	.573	.480	.570	.666
	L OBSERVATION		ANNUAL MEAN:		ANNUAL MAX:	.81						

Jul. 3, 2019

LATITUDE: 39.818715 STATE: (42) Pennsylvania -75.413973 LONGITUDE:

COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY UTM NORTHING: UTM EASTING: ELEVATION-MSL: 0 PROBE HEIGHT:

74-87-3

CAS NUMBER:

UTM ZONE:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

POC: 2

MONITOR TYPE: SPM

MONITOR COMMENTS:

SITE ID: 42-045-0109

CITY: (47344) Marcus Hook

(43801) Chloromethane

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2014 REPORT FOR:

UNITS: Parts per billion Carbon

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.47	.59
2									.59	.49		
3								.59				
4		.61				.60	.60					
5	.98 5			.38	.70							
6			.61									
7											.47	.69
8									.44	.57		
9								.57				
10	7.4	.83		2.77	10	.67	.80					
11 12	.74		E 7	.37	AS							
13			.57								.54	.65
14									. 48	AS	.54	.05
15								.47	. 10	AU		
16		.56				.76	.77	• • •				
17	.58			.34	.70							
18			.69									
19											.53	.50
20									.54	.46		
21								AF				
22		.75				.55	.79					
23	.60			1.01 5	AS							
24			.28									
25											.59	AS
26									.51	.46		
27								.52				
28		AF				.55	.76					
29	.59			.80	.57							
30			AF									F.C.
31												.50
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	.98	.83	.69	1.01	.70	.76	.80	.59	.59	.57	.59	.69
MEAN:	.698	.688	.538	.580	.657	.626	.744	.538	.512	.495	.520	.586
ANNUA	L OBSERVATION	S: 54	ANNUAL MEAN:	.599	ANNUAL MAX:	1.01						

Jul. 3, 2019

CAS NUMBER: 74-87-3 LATITUDE: 39.818715 -75.413973 LONGITUDE:

STATE: (42) Pennsylvania

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY

ELEVATION-MSL: 0 PROBE HEIGHT:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

POC: 2

MONITOR TYPE: SPM

MONITOR COMMENTS:

SITE ID: 42-045-0109

COUNTY: (045) Delaware

CITY: (47344) Marcus Hook

(43801) Chloromethane

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2015 REPORT FOR:

UNITS: Parts per billion Carbon

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.69									
2											.58	.73
3									.65	AS		
4								.62				
5		AF				.59	.56					
6	.62			.96 5	.50							
7			. 58								3.0	
8 9									AS	.58	AS	AF
10								.53	AS	.56		
11		.63				AS	.53	.55				
12	.67			1.10 5	.60							
13			. 55									
14											.54	AF
15									.47	.49		
16								.58				
17		.72				.58	.57					
18	.64			.00 ND	.65							
19			.50									
20											.54	AS
21									. 47	.59		
22								.54				
23	60	.63				.66	.56					
24 25	.69		. 41	AF	. 55							
25 26			.41								AS	.76
27									AS	AS	no	.,,
28								.46				
29						.55	.65					
30	.63			.47	.58							
31			.64									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	.69	.72	.69	1.10	.65	.66	.65	.62	.65	.59	.58	.76
MEAN:	.650	.660	.562	.633	.576	.595	.574	.546	.530	.553	.553	.745
ANNUA	L OBSERVATIONS:	48	ANNUAL MEAN:	.591	ANNUAL MAX:	1.10						

Jul. 3, 2019

LATITUDE: 39.818715 STATE: (42) Pennsylvania -75.413973 LONGITUDE:

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

75-09-2

COUNTY: (045) Delaware

(43802) Dichloromethane

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

POC: 2

SITE ID: 42-045-0109

CITY: (47344) Marcus Hook

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2013 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.11 CC		
2								.13 CC				
3		.08 SQ				.13	.10 CC					
4	.08 SQ			.09 SQ	.10 SQ							
5			.10 SQ									
6											.08 CC	.11 CC
7									.13	.13 CC		
8								.10 SQ				
9		.11 SQ				.31 5	.12 CC					
10	.12			.27 5	.11 SQ							
11			.08 CC									
12											.09 CC	.11 CC
13									.14 CC	.00 ND		
14								.00 ND				
15		.13				.19 5	.11 CC					
16	.15			.16	.13							
17			.11 SQ									
18 19									AF	.12	.08 CC	.10 CC
20								.11 SQ	Ar	.12		
21		.10 SQ				.00 ND	.10 CC	.11 50				
22	.00 ND	.10 30		.14	.08 SQ	.00 ND	.10 CC					
23	.00 ND		.10 SQ		.00 50							
24											.09 CC	.10 CC
25									.11 CC	.10 CC		
26								.10 SQ				
27		.11 SQ				.11 SQ	.09 CC					
28	.10 SQ			AF	.13 CC							
29			.09 SQ									
30											.10 CC	.11 CC
31										.11 CC		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	.15	.13	.11	.27	.13	.31	.12	.13	.14	.13	.10	.11
MEAN:	.090	.106	.096	.165	.110	.148	.104	.088	.095	.095	.088	.106
ANNUA	L OBSERVATIONS	: 59	ANNUAL MEAN:	.107	ANNUAL MAX:	.31						

LAND USE: INDUSTRIAL

LOCATION SETTING:

(43802) Dichloromethane

SITE ID: 42-045-0109 POC: 2 COUNTY: (045) Delaware

COUNTY: (045) Delaware
CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL
SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO PQAO: (0851) Pennsylvania Department Of Environmental Protection

STATE: (42) Pennsylvania LONGITUDE:

AQCR: (045) METROPOLITAN PHILADELPHIA UTM ZONE:

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHIN

UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 0

PROBE HEIGHT:

Jul. 3, 2019

39.818715

-75.413973

REPORT FOR: 2014 DURATION: 24 HOUR

URBAN AND CENTER CITY

UNITS: Parts per billion Carbon

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.09 CC	.15 CC
2									.15 CC	.13 CC		
3								.07 CC				
4 5	.30 5	.13 CC		.09 CC	.12 CC	.11 CC	.00 ND					
6	.30 5		.11 CC	.09 CC	.12 CC							
7			.11 00								.08 CC	.12 CC
8									.12 CC	.09 CC		
9								.21 5				
10		.71 5				.00 ND	.14 CC					
11	.28 5			.19	AS							
12			.13									
13 14									.10 CC	AS	.17 CC	.09 CC
15								.08 CC	.10 CC	AS		
16		.11 CC				.15 CC	.12 CC	.00 00				
17	.10 CC			.11 CC	.12 CC							
18			.14									
19											.00 ND	.09 SQ
20									.10 CC	.09 CC		
21								AF				
22 23	.09 CC	.16		.17	AS	.00 ND	.13 CC					
24	.09 CC		.21 5	. ± /	AS							
25											.27 5	AS
26									.11 CC	.07 CC		
27								.08 CC				
28		AF				.08 CC	.15 CC					
29	.08 CC			.10 CC	.11 CC							
30			AF									00.00
31												.09 SQ
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	.30	.71	. 21	.19	.12	.15	.15	.21	.15	.13	.27	.15
MEAN:	.170	.278	.148	.132	.117	.068	.108	.110	.116	.095	.122	.108
ANNUAL	OBSERVATIONS	54	ANNUAL MEAN:	.129	ANNUAL MAX:	.71						

(43802) Dichloromethane

SITE ID: 42-045-0109 POC: 2 COUNTY: (045) Delaware

CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO PQAO: (0851) Pennsylvania Department Of Environmental Protection

STATE: (42) Pennsylvania

AQCR: (045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY

LATITUDE: 39.818715
LONGITUDE: -75.413973
UTM ZONE:
UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 0
PROBE HEIGHT:

Jul. 3, 2019

REPORT FOR: 2015 DURATION: 24 HOUR

UNITS: Parts per billion Carbon

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.12 CC									
2											.15 CC	.10 SQ
3									.10 CC	AS		
4								.08 CC				
5		AF				.13 CC	.09 CC					
6	.11 CC			.17 CC	.09 CC							
7			.15									
8									10	12 00	AS	AF
9 10								.08 CC	AS	.13 CC		
11		.13 CC				AS	.07 CC	.08 CC				
12	.12 CC	.13 CC		.24 5	.07 SQ	AD	.07 CC					
13	.12 00		.11 CC	.21 3	.07 50							
14											.07 SQ	AF
15									.08 CC	.07 CC		
16								.09 CC				
17		.15 CC				.08 SQ	.08 CC					
18	.14 CC			.19 CC	.14 CC							
19			.07 CC									
20											.08 SQ	AS
21									.08 CC	.13 CC		
22								.07 CC				
23	10 00	.08 CC			10 00	.18	.07 CC					
24 25	.12 CC		.10 CC	AF	.10 CC							
26			.10 CC								AS	.12
27									AS	AS	AD	
28								.06 SQ				
29						.08 CC	.08 CC					
30	.11 CC			.06 CC	.11 CC							
31			.92 5									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	.14	.15	.92	.24	.14	.18	.09	.09	.10	.13	.15	.12
MEAN:	.120	.120	.245	.165	.102	.118	.078	.076	.087	.110	.100	.110
ANNUA	L OBSERVATIONS	: 48	ANNUAL MEAN:	.124	ANNUAL MAX:	.92						

RAW DATA REPORT Jul. 3, 2019

> CAS NUMBER: 67-66-3 LATITUDE: 39.818715 -75.413973

STATE: (42) Pennsylvania COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

2013

UTM EASTING: LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0

MONITOR COMMENTS:

SITE ID: 42-045-0109

CITY: (47344) Marcus Hook

(43803) Chloroform

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

POC: 2

(0851) Pennsylvania Department Of Environmental Protection

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

REPORT FOR: COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon

LONGITUDE:

UTM NORTHING:

PROBE HEIGHT:

UTM ZONE:

MIN DETECTABLE:

DURATION: 24 HOUR

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			.00 ND	.00 ND							
11			.00 ND								00.370	0.0 3770
12 13									.00 ND	.00 ND	.00 ND	.00 ND
14								.00 ND	.00 ND	.00 ND		
15		.00 ND				.00 ND	.00 ND	.00 142				
16	.00 ND	.00 1.5		.00 ND	.00 ND	.00 112	.00 112					
17			.00 ND									
18											.00 ND	.00 ND
19									AF	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			.00 ND	.00 ND							
23			.00 ND									
24											.00 ND	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AF	.00 ND							
29			.00 ND								0.4	
30										04.66	.04 CC	.00 ND
31										.04 CC		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.04	.04	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.007	.008	0.000
ANNUAI	OBSERVATIONS:	59	ANNUAL MEAN:	.001	ANNUAL MAX:	.04						

LAND USE: INDUSTRIAL

LOCATION SETTING:

CAS NUMBER: 67-66-3 LATITUDE: 39.818715 LONGITUDE: -75.413973

Jul. 3, 2019

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL
SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

(43803) Chloroform

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014 DURATION: 24 HOUR

URBAN AND CENTER CITY

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

UNITS: Parts per billion Carbon

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

MIN DETECTABLE:

Day JANUARY FERUARY MARCH AFRIL MAY JUNE JULY AUGUST SEPTEMBER OCTOBER NOVEMBER DECEMBER 1	
2	Day
.00 ND 4	1
.00 ND .0	2
10	3
6	4
.00 ND .0	
8	
.00 ND .0	
10	
11	
12	
13	
14 .00 ND AS 15 .00 ND 16 .00 ND .00 ND 17 .00 ND .00 ND 18 .00 ND 19 .00 ND 20 .00 ND .00 ND 21 .00 ND 22 .00 ND 38 .00 ND 48 .00 ND 49 .00 ND 49 .00 ND 40 .00 ND	
15	
17 .00 ND	
18 .00 ND	
19 20 .00 ND .00 ND .00 ND 21 22 .00 ND .00 ND .00 ND	
20 .00 ND .00 ND .00 ND .21 AF 22 .00 ND .00 ND .00 ND	18
21 22 .00 ND .00 ND .00 ND	19
22 .00 ND .00 ND .00 ND	20
23 .00 ND .00 ND AS	
24 .00 ND	
25 .00 ND AS	
26 .00 ND .00 ND	
27 .00 ND 28 AF .00 ND .00 ND	
29 .00 ND .00 ND .00 ND .00 ND	
30 AF	
31 .00 NE	
No.: 5 4 4 5 3 5 5 4 5 5	
MAX: .09 0.00 0.00 0.00 0.00 0.00 0.00 0.00	
MEAN: .018 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	MEAN:
ANNUAL OBSERVATIONS: 54 ANNUAL MEAN: .002 ANNUAL MAX: .09	ANNUAI

CAS NUMBER:

67-66-3

Jul. 3, 2019

(43803) Chloroform LATITUDE: 39.818715 SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania -75.413973 LONGITUDE: COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA UTM ZONE: CITY: (47344) Marcus Hook URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR

2015 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

-	MONTH	_										
Day		FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.05 CC	.00 ND
3									.05 SQ	AS		
4								.04 SQ				
5		AF				.00 ND	.04 SQ					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											AS	AF
9									AS	.00 ND		
10								.00 ND				
11		.00 ND				AS	.00 ND					
12	.00 ND			.00 ND	.00 ND							
13			.00 ND									
14											.00 ND	AF
15									.00 ND	.00 ND		
16								.04 SQ				
17		.00 ND				.00 ND	.00 ND					
18	.00 ND			.05 SQ	.00 ND							
19			.00 ND									
20											.00 ND	AS
21									.00 ND	.05 SQ		
22								.00 ND				
23		.00 ND				.00 ND	.00 ND					
24	.00 ND			AF	.00 ND							
25			.00 ND									
26											AS	.00 ND
27									AS	AS		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			.00 ND									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.00	0.00	0.00	.05	0.00	0.00	.04	.04	.05	.05	.05	0.00
MEAN:	0.000	0.000	0.000	.013	0.000	0.000	.008	.016	.017	.017	.017	0.000
ANNUAL	OBSERVATIONS:	48	ANNUAL MEAN:	.007	ANNUAL MAX:	.05						

RAW DATA REPORT Jul. 3, 2019

> LATITUDE: 39.818715 -75.413973 LONGITUDE:

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

56-23-5

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(43804) Carbon tetrachloride

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

CITY: (47344) Marcus Hook

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL:

MONITOR COMMENTS: PROBE HEIGHT:

DURATION: 24 HOUR 2013 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO MIN DETECTABLE: (0851) Pennsylvania Department Of Environmental Protection

MONTH Day JANUARY FEBRUARY MARCH APRIL MAY THINE JULY AUGUST SEPTEMBER OCTOBER NOVEMBER DECEMBER 1 .09 SQ .08 SQ 2 .09 SO 3 .09 SQ .11 SQ .10 SQ 4 .08 SO .09 SO .09 SO 5 .10 SO 6 .11 SQ .11 SQ 7 .09 SO .09 SQ 8 .08 SQ 9 .12 SO .09 SO .10 SO 10 .11 SQ .09 SQ .10 SQ 11 .11 SO .11 SQ 12 .10 SO 13 .10 SQ .10 SQ 14 .10 SO .10 SQ 15 .09 SQ .09 SQ .10 SO .09 SO .11 SO 16 17 .11 SQ 18 .10 SQ .10 SQ .10 SQ 19 AF 20 .09 SQ 21 .10 SO .00 ND .10 SO 22 .07 SO .09 SO .10 SQ 23 .09 SQ 24 .10 SO .10 SO 25 .10 SO .12 SO .09 SO 26 27 .10 SQ .09 SQ .09 SQ 28 .09 SO AF .10 SO 29 .10 SO 30 .11 SQ .10 SQ 31 .10 SQ 5 5 5 5 5 NO.: 4 5 5 4 6 .11 .12 .11 .09 .11 .11 .10 .10 .10 .12 .11 .11 MAX: .090 .102 .102 .090 .100 .076 .096 .090 .095 .098 .106 .102 MEAN: ANNUAL OBSERVATIONS: 59 ANNUAL MEAN: .096 ANNUAL MAX:

LAND USE: INDUSTRIAL

LOCATION SETTING:

(045) METROPOLITAN PHILADELPHIA

URBAN AND CENTER CITY

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

56-23-5

Jul. 3, 2019

LATITUDE: 39.818715 SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania -75.413973 LONGITUDE:

COUNTY: (045) Delaware CITY: (47344) Marcus Hook SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

(43804) Carbon tetrachloride

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2014 MONITOR TYPE: SPM

REPORT FOR: UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.09 SQ	.10 SQ
2									.09 SQ	.09 SQ		
3								.10 SQ				
4		.09 SQ				.09 SQ	.10 SQ					
5	.18 5			.08 SQ	.11 SQ							
6			.10 SQ									
7											.08 SQ	.10 SQ
8									.09 SQ	.09 SQ		
9								.08 SQ				
10		.11 SQ				.11 SQ	.11 SQ					
11 12	.09 SQ		10 50	.11 SQ	AS							
13			.10 SQ								.09 SQ	.09 SQ
14									.09 SQ	AS	. U = SQ	۷۵ و٠.
15								.09 SQ	.09 3Q	no		
16		.10 SQ				.12	.12 SQ	.00 00				
17	.08 SQ	22		.11 SQ	.11 SQ		22					
18	~		.13 5		~							
19											.09 SQ	.09 SQ
20									.09 SQ	.09 SQ		
21								AF				
22		.13 5				.09 SQ	.12					
23	.09 SQ			.14 5	AS							
24			.10 SQ									
25											.09 SQ	AS
26									.09 SQ	.09 SQ		
27								.06 5				
28	00.00	AF			00.00	.08 SQ	.10 SQ					
29 30	.09 SQ		3.53	.11 SQ	.09 SQ							
30 31			AF									.09 SQ
31												
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	.18	.13	.13	.14	.11	.12	.12	.10	.09	.09	.09	.10
MEAN:	.106	.108	.108	.110	.103	.098	.110	.083	.090	.090	.088	.094
ANNUAL	OBSERVATIONS	54	ANNUAL MEAN:	.099	ANNUAL MAX:	.18						

CAS NUMBER: 56-23-5 LATITUDE: 39.818715

Jul. 3, 2019

-75.413973

LONGITUDE:

UTM NORTHING:

UTM EASTING:

UTM ZONE:

SITE ID: 42-045-0109 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(43804) Carbon tetrachloride

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

CITY: (47344) Marcus Hook

POC: 2

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2015 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.10 SQ									
2											.09 CC	.09 SQ
3									.10 SQ	AS		
4								.10 SQ				
5		AF				.09 SQ	.08 SQ					
6	.10 SQ			.13 5	.08 SQ							
7			.09 SQ									
8 9									AS	00.00	AS	AF
10								.09 SQ	AS	.09 SQ		
11		.10 SQ				AS	.08 SQ	.09 SQ				
12	.10 SQ	.10 50		.14 5	.09 SQ	AD	.00 50					
13			.08 SQ									
14			_								.09 SQ	AF
15									.09 SQ	.09 SQ		
16								.10 SQ				
17		.11 SQ				.09 SQ	.09 SQ					
18	.09 SQ			.13 5	.09 SQ							
19			.08 SQ									
20											.09 SQ	AS
21									.09 SQ	.10 CC		
22								.09 SQ				
23		.10 SQ				.09 SQ	.10 SQ					
24 25	.09 SQ		.07 SQ	AF	.08 SQ							
25 26			.07 SQ								AS	.09 SQ
27									AS	AS	AD	.09 30
28								.09 SQ	AD	AD		
29						.09 SQ	.09 SQ					
30	.09 SQ			.07 SQ	.08 SQ	_	_					
31			.09 SQ									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	.10	.11	.10	.14	.09	.09	.10	.10	.10	.10	.09	.09
MEAN:	.094	.103	.085	.118	.084	.090	.088	.094	.093	.093	.090	.090
ANNUA	L OBSERVATIONS	: 48	ANNUAL MEAN:	.093	ANNUAL MAX:	.14						

LAND USE: INDUSTRIAL

LOCATION SETTING:

REPORT FOR:

Jul. 3, 2019

CAS NUMBER: 75-25-2 LATITUDE: 39.818715 -75.413973 LONGITUDE:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

(43806) Bromoform

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR

URBAN AND CENTER CITY

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

2013

UNITS: Parts per billion Carbon

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND		00.370	.00 ND	.00 ND							
11 12			.00 ND								.00 ND	.00 ND
13									.00 ND	.00 ND	.00 ND	.00 ND
14								.00 ND	.00 142	.00 ND		
15		.00 ND				.00 ND	.00 ND	.00 112				
16	.00 ND			.00 ND	.00 ND							
17			.00 ND									
18											.00 ND	.00 ND
19									AF	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			.00 ND	.00 ND							
23			.00 ND									
24											.00 ND	.00 ND
25									.00 ND	.00 ND		
26		.00 ND				00 MD	00 MD	.00 ND				
27 28	.00 ND	.00 ND		AF	.00 ND	.00 ND	.00 ND					
29	.00 ND		.00 ND	Ar	.00 ND							
30			.00 142								.00 ND	.00 ND
31										.00 ND		
					_	_		_			_	
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000		0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000
ANNUAI	OBSERVATIONS:	59	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

LAND USE: INDUSTRIAL

LOCATION SETTING:

REPORT FOR:

Jul. 3, 2019

LATITUDE: 39.818715 -75.413973 LONGITUDE:

75-25-2

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 0

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

(43806) Bromoform

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

URBAN AND CENTER CITY PROBE HEIGHT:

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

2014

UNITS: Parts per billion Carbon

MIN DETECTABLE:

DURATION: 24 HOUR

Decompose Service Se		MONTH											
1	Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	1											.00 ND	.00 ND
A										.00 ND	.00 ND		
5	3								.00 ND				
6 10 10 10 10 10 10 10 1	4		.00 ND				.00 ND	.00 ND					
1	5	.03 QX			.00 ND	.00 ND							
8	6			.00 ND									
10												.00 ND	.00 ND
10										.00 ND	.00 ND		
11									.00 ND				
12			.00 ND				.00 ND	.00 ND					
13		.UU UU.		00 255	.UU ND	AS							
14				.UU ND								0.0 MID	0.0 MD
15										0.0 MID	AS	.00 ND	.00 ND
16									.00 ND	.00 ND	.10		
17			.00 ND				.00 ND	.00 ND					
19		.00 ND			.00 ND	.00 ND							
20	18			.00 ND									
21	19											.00 ND	.00 ND
22	20									.00 ND	.00 ND		
23	21								AF				
24			.00 ND				.00 ND	.00 ND					
25		.00 ND			.00 ND	AS							
26				.00 ND									
27 28										00.3	00.3	.00 ND	AS
28									0.0 100	.UU ND	.UU ND		
29			ΔF				0.0 MD	UU MD	.UU ND				
30 AF		0.0 ND	mf		0.0 MD	0.0 MD	.00 ND	.00 ND					
31 NO.: 5 4 4 5 3 5 5 4 5 4 5 5 MAX: .03 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00		.00 110		AF	.00 ND	.00 145							
NO:: 5 4 4 5 3 5 4 5 4 5 5 MAX: 0.03 0.00 0.00 0.00 0.00 0.00 0.00 0.0													.00 ND
MAX: .03 0.00 0.00 0.00 0.00 0.00 0.00 0.00		-			-		_	-		-		-	
105 0 000 0 000 0 000 0 000 0 000 0 000 0 0		.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MEAN:	.006		0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL OBSERVATIONS: 54 ANNUAL MEAN: .001 ANNUAL MAX: .03	ANNUAI	OBSERVATIONS:	54	ANNUAL MEAN:	.001	ANNUAL MAX:	.03						

Jul. 3, 2019

CAS NUMBER: 75-25-2 LATITUDE: 39.818715 -75.413973 LONGITUDE:

UTM ZONE:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware (045) METROPOLITAN PHILADELPHIA CITY: (47344) Marcus Hook

(43806) Bromoform

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR

2015 MONITOR TYPE: SPM REPORT FOR: UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											AS	AF
9									AS	.00 ND		
10		00.170				3.0	00.375	.00 ND				
11 12	0.0 MD	.00 ND		.00 ND	.00 ND	AS	.00 ND					
13	.00 ND		.00 ND	.00 ND	.00 ND							
14			.00 ND								.00 ND	AF
15									.00 ND	.00 ND	.00 ND	ni.
16								.00 ND				
17		.00 ND				.00 ND	.00 ND					
18	.00 ND			.00 ND	.00 ND							
19			.00 ND									
20											.00 ND	AS
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				.00 ND	.00 ND					
24	.00 ND			AF	.00 ND							
25			.00 ND									
26											AS	.00 ND
27									AS	AS		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND		00 MD	.00 ND	.00 ND							
31			.00 ND									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	48	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

REPORT FOR:

Jul. 3, 2019

LATITUDE: 39.818715 STATE: (42) Pennsylvania -75.413973 LONGITUDE:

COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

2013

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY MONITOR COMMENTS:

ELEVATION-MSL: 0 PROBE HEIGHT:

75-69-4

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

POC: 2

MONITOR TYPE: SPM

SITE ID: 42-045-0109

CITY: (47344) Marcus Hook

(43811) Trichlorofluoromethane

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

UNITS: Parts per billion Carbon

MIN DETECTABLE:

DURATION: 24 HOUR

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									. 26	.26		
2								.25				
3		. 25				.29	.26					
4	.20			.26	. 26							
5 6			. 29								.27	20
7									. 26	.28	.27	. 29
8								.23	.20	.20		
9		.30				.23	.27	.23				
10	.28			.26	.29							
11			. 27									
12											.00 ND	.28
13									.31	.25		
14								.20				
15		. 29				.26	.25					
16	.28			. 25	. 26							
17 18			. 29								.27	. 27
19									AF	.27	.27	. 27
20								.27				
21		.28				.16 5	.24					
22	.18 5			.26	.25							
23			.27									
24											.29	.30
25									. 28	.29		
26						0.5	0.5	.27				
27	27	.30		3.5	20	.25	.26					
28 29	.27		. 28	AF	. 29							
30			. 20								.32	.28
31										.28		.20
	5	-	-	4	-	_	-	_	4	6	_	F
NO.: MAX:	.28	.30	. 29	.26	.29	. 29	. 27	.27	.31	.29	.32	.30
MEAN:	.242	.284	.280	.258	.270	.238	.256	.244	.278	.272	.230	.284
ANNUAL	OBSERVATION	S: 59	ANNUAL MEAN:	. 261	ANNUAL MAX:	.32						

CAS NUMBER:

PROBE HEIGHT:

75-69-4

Jul. 3, 2019

LATITUDE: 39.818715 SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania -75.413973 LONGITUDE: COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA UTM ZONE: CITY: (47344) Marcus Hook URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2014

MONITOR TYPE: SPM REPORT FOR: UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.24	.00 ND
2									. 26	.28		
3								.26				
4		.23				.26	.26					
5	.40 5			.27	. 29							
6			. 29									
7											.21	.28
8									.23	.25		
9		1 25 5				2.2	2.2	.24				
10 11	.32	1.35 5		.32	AS	.33	.32					
12	.34		. 28	.32	AD							
13			.20								. 24	.26
14									. 25	AS		
15								.24				
16		.29				.37 5	.31					
17	.24			.32	.30							
18			.34									
19											.26	.26
20									.27	.24		
21								AF				
22		.33				.25	.34					
23	.27		2.1	.00 ND	AS							
24			.31								.25	7.0
25 26									. 27	.24	. 45	AS
27								.21	. 47	. 41		
28		AF				.23	.29	.21				
29	. 25	***		.30	. 26	.23	.22					
30			AF									
31												.25
	-	A		-	3	-	-		-	4	-	
NO.: MAX:	.40	1.35	.34	.32	.30	.37	.34	.26	.27	.28	. 26	5
MAX: MEAN:		.550	.305	. 32	.283	.288	.34	.28	.256	.28	.240	.28 .210
			.305				.304	.236	. 250	.255	.240	.210
ANNU	AL OBSERVATION	S: 54	ANNUAL MEAN:	.285	ANNUAL MAX:	1.35						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(43811) Trichlorofluoromethane

Jul. 3, 2019

CAS NUMBER: 75-69-4 LATITUDE: 39.818715 -75.413973

STATE: (42) Pennsylvania

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY UTM NORTHING: UTM EASTING: ELEVATION-MSL: 0 PROBE HEIGHT:

LONGITUDE:

UTM ZONE:

UNITS: Parts per billion Carbon

MONITOR COMMENTS:

SITE ID: 42-045-0109

COUNTY: (045) Delaware

CITY: (47344) Marcus Hook

(43811) Trichlorofluoromethane

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

POC: 2

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2015 REPORT FOR:

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.26									
2											.30	.26
3									. 29	AS		
4								.28				
5		AF				.25	.23					
6	.26			.36 5	.24							
7			. 25								3.0	
8 9									AS	.24	AS	AF
10								. 25	MO	. 24		
11		.29				AS	.25	.23				
12	.28			.43 5	.26							
13			.23									
14											.24	AF
15									. 25	.24		
16								.28				
17		.29				.24	.27					
18	.26			.39 5	.28							
19			. 23									
20											.24	AS
21									.24	.32		
22		0.6				0.4	2.0	.26				
23 24	.26	.26		AF	. 24	.24	.30					
25	.20		. 26	Ar	.24							
26			. 20								AS	. 28
27									AS	AS		
28								.24				
29						.23	.28					
30	.25			.21	.24							
31			.24									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	.28	.29	.26	.43	.28	. 25	.30	.28	. 29	.32	.30	.28
MEAN:	.262	.280	.245	.348	.252	.240	.266	.262	.260	.267	.260	.270
	L OBSERVATIONS		ANNUAL MEAN		ANNUAL MAX:	. 43						

Jul. 3, 2019

CAS NUMBER: 75-00-3 LATITUDE: 39.818715 LONGITUDE: -75.413973

UTM ZONE:

UNITS: Parts per billion Carbon

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware (045) METROPOLITAN PHILADELPHIA CITY: (47344) Marcus Hook

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: LAND USE: INDUSTRIAL UTM EASTING: LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: PROBE HEIGHT:

MONITOR COMMENTS:

(43812) Chloroethane

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

(0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

0.000

ANNUAL OBSERVATIONS:

MEAN:

0.000

59

2013 REPORT FOR: COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

MIN DETECTABLE:

DURATION: 24 HOUR

MONTH Day JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY AUGUST SEPTEMBER OCTOBER NOVEMBER DECEMBER 1 .00 ND .00 ND 2 .00 ND 3 .00 ND .00 ND .00 ND .00 ND .00 ND 4 .00 ND 5 .00 ND 6 .00 ND .00 ND 7 .00 ND .00 ND 8 .00 ND 9 .00 ND .00 ND .00 ND 10 .00 ND .00 ND .20 SQ 11 .42 12 .00 ND .00 ND 13 .00 ND .00 ND 14 .00 ND .00 ND 15 .00 ND .00 ND .00 ND .00 ND .00 ND 16 17 .00 ND 18 .00 ND .00 ND 19 AF .00 ND 20 .00 ND 21 .00 ND .00 ND .00 ND 22 .00 ND .00 ND .00 ND 23 .00 ND 24 .00 ND .00 ND 25 .00 ND .00 ND .00 ND 26 27 .00 ND .00 ND .00 ND 28 .00 ND AF .00 ND .00 ND 29 30 .00 ND .00 ND 31 .00 ND 5 5 5 5 NO.: 5 4 5 5 4 6 0.00 0.00 .42 0.00 .20 0.00 0.00 0.00 0.00 0.00 0.00 0.00 MAX:

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

0.000

.011

.040

ANNUAL MAX:

0.000

.084

ANNUAL MEAN:

0.000

0.000

0.000

0.000

0.000

0.000

RAW DATA REPORT Jul. 3, 2019

> CAS NUMBER: 75-00-3 LATITUDE: 39.818715 -75.413973 LONGITUDE:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware (045) METROPOLITAN PHILADELPHIA

CITY: (47344) Marcus Hook URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING:

MONITOR COMMENTS:

(43812) Chloroethane

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2014 REPORT FOR:

URBAN AND CENTER CITY

UNITS: Parts per billion Carbon

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND		
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.00 ND			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8									.00 ND	.00 ND		
9 10		.00 ND				.00 ND	0.0 100	.00 ND				
11	.00 ND	.00 ND		.00 ND	AS	.00 ND	.00 ND					
12	.00 ND		.00 ND	.00 ND	rio .							
13			.00 110								.00 ND	.00 ND
14									.00 ND	AS		
15								.00 ND				
16		.00 ND				.00 ND	.00 ND					
17	.00 ND			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	.00 ND
20									.00 ND	.00 ND		
21								AF				
22		.00 ND				.00 ND	.00 ND					
23	.00 ND		00.175	.00 ND	AS							
24 25			.00 ND								.00 ND	AS
26									.00 ND	.00 ND	.00 ND	no
27								.00 ND	.00 ND	.00 ND		
28		AF				.00 ND	.00 ND	.00 ND				
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
						0.00						
AMMUAL	OBSERVATIONS	54	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

CAS NUMBER: 75-00-3 LATITUDE: 39.818715 -75.413973 LONGITUDE:

Jul. 3, 2019

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL LOCATION SETTING: URBAN AND CENTER CITY

ELEVATION-MSL: 0 PROBE HEIGHT:

MONITOR COMMENTS:

(43812) Chloroethane

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

CITY: (47344) Marcus Hook

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

(0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

2015 REPORT FOR: COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon

UTM ZONE:

UTM NORTHING:

UTM EASTING:

MIN DETECTABLE:

DURATION: 24 HOUR

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
6	.00 ND			.11 SQ	.00 ND							
7			.00 ND								_	
8									10	00.375	AS	AF
9 10								.00 ND	AS	.00 ND		
11		.00 ND				AS	.00 ND	.00 ND				
12	.00 ND	.00 ND		.00 ND	.00 ND	AD	.00 ND					
13			.00 ND									
14											.00 ND	AF
15									.00 ND	.00 ND		
16								.00 ND				
17		.00 ND				.00 ND	.00 ND					
18	.00 ND			1.94	.00 ND							
19			.00 ND									
20											.00 ND	AS
21									.00 ND	.00 ND		
22		00.170				00.375	00.375	.00 ND				
23 24	.00 ND	.00 ND		AF	.00 ND	.00 ND	.00 ND					
25	.00 ND		.00 ND	Ar	.00 ND							
26			.00 ND								AS	.00 ND
27									AS	AS	110	.00 115
28								.00 ND				
29						.00 ND	.00 ND					
30	.20 SQ			.00 ND	.00 ND							
31			.00 ND									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	.20	0.00	0.00	1.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	.040	0.000	0.000	.513	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUA	L OBSERVATIONS:	48	ANNUAL MEAN:	.047	ANNUAL MAX:	1.94						

(045) METROPOLITAN PHILADELPHIA

Jul. 3, 2019

75-34-3

CAS NUMBER:

UTM ZONE:

PROBE HEIGHT:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania LONGITUDE: -75.413973 COUNTY: (045) Delaware

CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODDR COMPLAINT

MONITOR COMMENTS:

ACC. (445) MERCOPLITIAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

UTM NORTHING:

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

UTM NORTHING:

UTM EASTING:

URBANIAND CENTER CITY

BLEVATION-MSL:

0

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM PROPT FOR: 2013

DURATION: 24 HOUR

MONITOR TYPE: SPM

REPORT FOR: 2013

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon

NAO: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND	.00 142	.00 ND		
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			.00 ND	.00 ND							
11			.00 ND									
12											.00 ND	.00 ND
13									.00 ND	.00 ND		
14								.00 ND				
15		.00 ND				.00 ND	.00 ND					
16	.00 ND			.00 ND	.00 ND							
17			.00 ND									
18											.00 ND	.00 ND
19									AF	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			.00 ND	.00 ND							
23			.00 ND								.00 ND	.00 ND
24 25									.00 ND	.00 ND	.00 ND	.00 ND
26								.00 ND	.00 ND	.00 ND		
27		.00 ND				.00 ND	.00 ND	.00 ND				
28	.00 ND	.00 145		AF	.00 ND	.00 142	.00 ND					
29			.00 ND		. 30 112							
30											.00 ND	.00 ND
31										.00 ND		
	-	-	_		_	_	-	-			_	_
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	59	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(43813) 1,1-Dichloroethane

LAND USE: INDUSTRIAL

LOCATION SETTING:

REPORT FOR:

LATITUDE: 39.818715 -75.413973

CAS NUMBER:

LONGITUDE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 0

UTM ZONE:

Jul. 3, 2019

75-34-3

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

(43813) 1,1-Dichloroethane

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

PROBE HEIGHT: DURATION: 24 HOUR

2014

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

(045) METROPOLITAN PHILADELPHIA

URBAN AND CENTER CITY

UNITS: Parts per billion Carbon

MIN DETECTABLE:

_	MONTH	_										
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND	.00 ND	.00 ND
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.00 ND			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	AS							
12			.00 ND									
13											.00 ND	.00 ND
14									.00 ND	AS		
15		00.1				00.3	00	.00 ND				
16 17	00 100	.00 ND		00 200	00 200	.00 ND	.00 ND					
	.00 ND		00 1775	.00 ND	.00 ND							
18 19			.00 ND								.00 ND	.00 ND
20									.00 ND	.00 ND	.00 ND	.00 ND
21								AF	.00 ND	.00 ND		
22		.00 ND				.00 ND	.00 ND	. Tri				
23	.00 ND	110		.00 ND	AS	.00 140	.00 AD					
24			.00 ND									
25											.00 ND	AS
26									.00 ND	.00 ND		
27								.00 ND				
28		AF				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	L OBSERVATIONS	;: 54	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						
11111071		24	MINOME PERMIT	0.000	-minorial ratar	0.00						

RAW DATA REPORT Jul. 3, 2019

CAS NUMBER: 75-34-3
LATITUDE: 39.818715
LONGITUDE: -75.413973

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

UNITS: Parts per billion Carbon

ELEVATION-MSL: 0

COUNTY: (045) Delaware AQCR: (42) Pennsylvania (42) Pennsylvania (42) Remansylvania

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL
SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

CITY: (47344) Marcus Hook

(43813) 1,1-Dichloroethane

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO
PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015 DURATION: 24 HOUR

LAND USE: INDUSTRIAL

LOCATION SETTING:

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

URBAN AND CENTER CITY

MIN DETECTABLE:

PQAO.	(UOSI) Pellis	yivania bepai	culenc or Envi	LOIMENLAI PLOCE	SCCIOII						MIN DEIE	CIABLE.
	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											AS	AF
9									AS	.00 ND		
10		.00 ND				AS	.00 ND	.00 ND				
11 12	.00 ND	.00 ND		.00 ND	.00 ND	AS	.00 ND					
13	.00 ND		.00 ND	.00 ND	.00 ND							
14			.00 ND								.00 ND	AF
15									.00 ND	.00 ND	.00 112	***
16								.00 ND				
17		.00 ND				.00 ND	.00 ND					
18	.00 ND			.00 ND	.00 ND							
19			.00 ND									
20											.00 ND	AS
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				.00 ND	.00 ND					
24	.00 ND			AF	.00 ND							
25			.00 ND									
26											AS	.00 ND
27 28								.00 ND	AS	AS		
28 29						.00 ND	.00 ND	.00 ND				
30	.00 ND			.00 ND	.00 ND	.00 ND	.00 ND					
31	.00 ND		.00 ND	.00 ND	.00 ND							
	_	_			_			_				_
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00 0.000
MEAN:	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000
ANNUA	L OBSERVATIONS:	48	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

RAW DATA REPORT Jul. 3, 2019

> CAS NUMBER: 71-55-6 LATITUDE: 39.818715 -75.413973

LONGITUDE:

UTM ZONE:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: LAND USE: INDUSTRIAL UTM EASTING:

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING:

URBAN AND CENTER CITY ELEVATION-MSL: 0 PROBE HEIGHT:

MONITOR COMMENTS:

MONTELL

CITY: (47344) Marcus Hook

(43814) Methyl chloroform

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR

MONITOR TYPE: SPM 2013 REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9 10	.00 ND	.00 ND		.00 ND	.00 ND	.00 ND	.00 ND					
11	.00 ND		.00 ND	.00 ND	.00 ND							
12			.00 ND								.00 ND	.00 ND
13									.00 ND	.00 ND	.00 ND	.00 ND
14								.00 ND	.00 112	.00 112		
15		.00 ND				.00 ND	.00 ND					
16	.00 ND			.00 ND	.00 ND							
17			.00 ND									
18											.00 ND	.00 ND
19									AF	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			.00 ND	.00 ND							
23			.00 ND									
24											.00 ND	.00 ND
25									.00 ND	.00 ND		
26		00.170				00.370	00 277	.00 ND				
27 28	.00 ND	.00 ND		AF	.00 ND	.00 ND	.00 ND					
28	.00 ND		.00 ND	AF	.00 ND							
30			.00 ND								.00 ND	.00 ND
31										.00 ND	.00 ND	.00 ND
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	59	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

Jul. 3, 2019

CAS NUMBER: 71-55-6 LATITUDE: 39.818715

SITE ID: 42-045-0109 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

2014

LAND USE: INDUSTRIAL LOCATION SETTING: URBAN AND CENTER CITY

ELEVATION-MSL: 0 PROBE HEIGHT:

LONGITUDE:

UTM NORTHING:

UTM EASTING:

UTM ZONE:

-75.413973

MONITOR COMMENTS:

CITY: (47344) Marcus Hook

(43814) Methyl chloroform

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

(0851) Pennsylvania Department Of Environmental Protection

POC: 2

MONITOR TYPE: SPM

REPORT FOR: COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon

MIN DETECTABLE:

DURATION: 24 HOUR

-	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND		
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.08 QX			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	AS							
12			.00 ND									
13											.00 ND	.00 ND
14									.00 ND	AS		
15								.00 ND				
16		.00 ND				.00 ND	.00 ND					
17	.00 ND			.00 ND	.00 ND							
18			.00 ND								00.370	00.375
19 20									.00 ND	.00 ND	.00 ND	.00 ND
21								AF	.00 ND	.00 ND		
22		.00 ND				.00 ND	.00 ND	AF				
23	.00 ND	.00 ND		.00 ND	AS	.00 ND	.00 ND					
24	.00 ND		.00 ND	.00 ND	AS							
25			.00 ND								.00 ND	AS
26									.00 ND	.00 ND	.00 ND	-10
27								.00 ND	.00 ND	.00 ND		
28		AF				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
	-			_		-	_		_		_	
NO.:	5	4	4	5	3	5	5	4	5	0.00	5	5
MAX:	.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00
MEAN:	.016	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUA	L OBSERVATIONS	54	ANNUAL MEAN:	.001	ANNUAL MAX:	.08						

LATITUDE: 39.818715 -75.413973 LONGITUDE:

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

ELEVATION-MSL: 0

Jul. 3, 2019

71-55-6

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(43814) Methyl chloroform

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

CITY: (47344) Marcus Hook

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

> LAND USE: INDUSTRIAL UTM EASTING: LOCATION SETTING: URBAN AND CENTER CITY

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT MONITOR COMMENTS:

PROBE HEIGHT: SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2015 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
6 7	.00 ND		00.175	.00 ND	.00 ND							
8			.00 ND								AS	AF
9									AS	.00 ND	AS	AF
10								.00 ND	AU	.00 ND		
11		.00 ND				AS	.00 ND					
12	.00 ND			.00 ND	.00 ND							
13			.00 ND									
14											.00 ND	AF
15									.00 ND	.00 ND		
16								.00 ND				
17		.00 ND				.00 ND	.00 ND					
18	.00 ND			.00 ND	.00 ND							
19			.00 ND									
20									00 277	00 277	.00 ND	AS
21 22								.00 ND	.00 ND	.00 ND		
23		.00 ND				.00 ND	.00 ND	.00 ND				
24	.00 ND	.00 142		AF	.00 ND	.00 142	.00 ND					
25			.00 ND									
26											AS	.00 ND
27									AS	AS		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			.00 ND									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	48	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

REPORT FOR:

Jul. 3, 2019

CAS NUMBER: 107-06-2 LATITUDE: 39.818715 -75.413973

LONGITUDE:

UTM NORTHING:

UTM EASTING:

UTM ZONE:

UNITS: Parts per billion Carbon

DURATION: 24 HOUR

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

2013

LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0

PROBE HEIGHT:

MONITOR COMMENTS:

CITY: (47344) Marcus Hook

(43815) Ethylene dichloride

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.08 SQ	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			.00 ND	.00 ND							
11			.00 ND									
12											.00 ND	.00 ND
13									.00 ND	.00 ND		
14								.00 ND				
15		.00 ND				.00 ND	.00 ND					
16	.00 ND			.00 ND	.00 ND							
17			.00 ND									
18											.00 ND	.00 ND
19									AF	.00 ND		
20								.00 ND				
21	0.0 277	.00 ND		00.170	00.375	.00 ND	.00 ND					
22 23	.00 ND		.00 ND	.00 ND	.00 ND							
23			.00 ND								.00 ND	.00 ND
25									.00 ND	.00 ND	.00 ND	.00 ND
26								.00 ND	.00 ND	.00 ND		
27		.00 ND				.00 ND	.00 ND	.00 ND				
28	.00 ND	.00 112		AF	.00 ND	.00 112	.00 112					
29			.00 ND									
30											.00 ND	.00 ND
31										.08 CC		
	_				_	_	_	_			_	_
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.08	.08	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.013	.016	0.000
ANNUAI	L OBSERVATIONS	59	ANNUAL MEAN:	.003	ANNUAL MAX:	.08						

Jul. 3, 2019

CAS NUMBER: 107-06-2 LATITUDE: 39.818715 -75.413973 LONGITUDE:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 0

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

(43815) Ethylene dichloride

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

PROBE HEIGHT: DURATION: 24 HOUR

URBAN AND CENTER CITY

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

2014

LAND USE: INDUSTRIAL

LOCATION SETTING:

REPORT FOR:

UNITS: Parts per billion Carbon

MIN DETECTABLE:

1 2110	(1101) 1011	Dopu	01 211111								5515	
	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND		
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.19 CC			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	AS							
12			.00 ND								00	00.370
13 14									.00 ND	AS	.00 ND	.00 ND
15								.00 ND	.UU UU.	Ab		
16		.00 ND				.00 ND	.00 ND	.00 ND				
17	.00 ND	.00 ND		.00 ND	.00 ND	.00 ND	.00 ND					
18	.00 10		.00 ND	.00 ND	.00 100							
19			.00 115								.00 ND	.00 ND
20									.00 ND	.00 ND		
21								AF				
22		.00 ND				.00 ND	.00 ND					
23	.00 ND			.00 ND	AS							
24			.00 ND									
25											.00 ND	AS
26									.00 ND	.00 ND		
27								.00 ND				
28		AF				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	.038	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNITA	L OBSERVATIONS	: 54	ANNUAL MEAN:	.004	ANNUAL MAX:	.19						
PHATAON.	L CLUERVALIONS	54	ANNUAL MEAN.	.004	MINORE PAA.							

(045) METROPOLITAN PHILADELPHIA

RAW DATA REPORT Jul. 3, 2019

> CAS NUMBER: 107-06-2 LATITUDE: 39.818715 -75.413973

LONGITUDE:

UTM ZONE:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

(43815) Ethylene dichloride

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2015 MONITOR TYPE: SPM

REPORT FOR: UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY I	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											AS	AF
9									AS	.00 ND		
10								.00 ND				
11		.00 ND				AS	.00 ND					
12	.00 ND			.08 SQ	.00 ND							
13			.00 ND								00.370	
14 15									.00 ND	.00 ND	.00 ND	AF
16								.00 ND	.00 ND	.00 ND		
17		.00 ND				.00 ND	.00 ND	.00 ND				
18	.00 ND	.00 112		.00 ND	.00 ND	.00 112	.00 112					
19			.00 ND									
20											.00 ND	AS
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				.00 ND	.00 ND					
24	.00 ND			AF	.00 ND							
25			.00 ND									
26											AS	.00 ND
27									AS	AS		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			.00 ND									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.00	0.00	0.00	.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAI	L OBSERVATIONS:	48	ANNUAL MEAN:	.002	ANNUAL MAX:	.08						

RAW DATA REPORT Jul. 3, 2019

STATE: (42) Pennsylvania LONGITUDE: -75.413973

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

127-18-4

COUNTY: (045) Delaware STATE: (42) Pennsylvania

(43817) Tetrachloroethylene

POC: 2

SITE ID: 42-045-0109

COUNTY: (4734) METROPOLITAN PHILADELPHIA
CITY: (47344) Marcus Hook
SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

LOCATION SETTING: URBAN AND CENTER CITY

PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM REPORT FOR: 2013

DURATION: 24 HOUR

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

AO: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.24 SQ		
2								.00 ND		2		
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.16 SQ	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.14 SQ	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			.00 ND	.15 SQ							
11			.00 ND									
12											.00 ND	.06 SQ
13									.13 SQ	.00 ND		
14								.00 ND				
15		.00 ND				.00 ND	.00 ND					
16	.00 ND			.00 ND	.27 5							
17			.00 ND									
18											.00 ND	.00 ND
19									AF	.28 5		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			.00 ND	.00 ND							
23			.00 ND									
24											.00 ND	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AF	.00 ND							
29			.22 SQ									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	.22	.16	.27	0.00	0.00	0.00	.14	.28	0.00	.06
MEAN:	0.000	0.000	.044	.040	.084	0.000	0.000	0.000	.068	.087	0.000	.012
ΑΝΝΙΙΑΤ	OBSERVATIONS:	59	ANNUAL MEAN:	.028	ANNUAL MAX:	.28						
Introni		39	ANNOAU PEAN	.020		.20						

LAND USE: INDUSTRIAL

LOCATION SETTING:

(045) METROPOLITAN PHILADELPHIA

URBAN AND CENTER CITY

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

127-18-4

RAW DATA REPORT Jul. 3, 2019

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania LONGITUDE: -75.413973

COUNTY: (045) Delaware
CITY: (47344) Marcus Hook
SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT
MONITOR COMMENTS:

(43817) Tetrachloroethylene

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM PROPT FOR: 2014

DURATION: 24 HOUR

MONITOR TYPE: SPM REPORT FOR: 2014

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon

AO: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.09 SQ		
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.14 QX			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.08 SQ			.04 SQ	AS							
12			.11 SQ									
13											.00 ND	.00 ND
14								00.	.00 ND	AS		
15 16		.00 ND				.09 SQ	.00 ND	.00 ND				
16 17	.10 SQ	.UU ND		.00 ND	.00 ND	.09 SQ	.UU ND					
18	.10 SQ		.00 ND	.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20									.00 ND	.33 5	.00 ND	.00 ND
21								AF	.00 ND	.55 5		
22		.18 SQ				.00 ND	.36 5	- **				
23	.00 ND			.00 ND	AS							
24			.10 SQ									
25											.10 SQ	AS
26									.00 ND	.00 ND		
27								.10 SQ				
28		AF				.00 ND	.00 ND					
29	.14 SQ			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	.14	.18	.11	.04	0.00	.09	.36	.10	0.00	.33	.10	0.00
MEAN:	.092	.045	.053	.008	0.000	.018	.072	.025	0.000	.105	.020	0.000
ANNUA	L OBSERVATIONS	54	ANNUAL MEAN:	.036	ANNUAL MAX:	.36						

(045) METROPOLITAN PHILADELPHIA

CAS NUMBER:

UTM ZONE:

127-18-4

RAW DATA REPORT Jul. 3, 2019

LATITUDE: 39.818715 SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania -75.413973 LONGITUDE:

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

(43817) Tetrachloroethylene

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2015 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.66 5	.00 ND
3									.16 SQ	AS		
4								.00 ND				
5 6	.00 ND	AF		.09 SQ	.00 ND	.00 ND	.00 ND					
7	.00 ND		.00 ND	.09 50	.00 ND							
8			.00 112								AS	AF
9									AS	.00 ND		
10								.00 ND				
11		.00 ND				AS	.00 ND					
12	.00 ND			.05 SQ	.00 ND							
13			.08 SQ									
14											.00 ND	AF
15									.09 SQ	.14 SQ		
16 17		.00 ND				.00 ND	.08 SQ	.00 ND				
18	.00 ND	.00 ND		.09 SQ	.10 SQ	.00 ND	.00 50					
19	.00 ND		.00 ND	.00	.10 50							
20											.00 ND	AS
21									.00 ND	.13 CC		
22								.00 ND				
23		.00 ND				.00 ND	.00 ND					
24	.00 ND			AF	.00 ND							
25			.10 SQ									
26									10	3.0	AS	.00 ND
27 28								.08 SQ	AS	AS		
28 29						.00 ND	.00 ND	Qa ou.				
30	.00 ND			.00 ND	.00 ND	.00 ND	.00 ND					
31			.12 SQ									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.00	0.00	.12	.09	.10	0.00	.08	.08	.16	.14	.66	0.00
MEAN:	0.000	0.000	.050	.058	.020	0.000	.016	.016	.083	.090	.220	0.000
ANNUAL	OBSERVATIONS:	48	ANNUAL MEAN:	.041	ANNUAL MAX:	.66						

LATITUDE: 39.818715
STATE: (42) Pennsylvania LONGITUDE: -75.413973

Jul. 3, 2019

79-34-5

CAS NUMBER:

UTM ZONE:

PROBE HEIGHT:

COUNTY: (045) Delaware

STATE: (42) Pennsylvania

AQCR: (045) METROPOLITAN PHILADELPHIA

(43818) 1,1,2,2-Tetrachloroethane

POC: 2

SITE ID: 42-045-0109

CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

WONLTOR COMMENTS:

MONITOR COMMENTS:

MONITO

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR

MONITOR TYPE: SPM REPORT FOR: 2013 DURATION: 24 HOUR

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon
PQAO: (0851) Pennsylvania Department Of Environmental Protection

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			.00 ND	.00 ND							
11			.00 ND									
12 13									.00 ND	.00 ND	.00 ND	.00 ND
14								.00 ND	.00 ND	.00 ND		
15		.00 ND				.00 ND	.00 ND	.00 ND				
16	.00 ND	.00 142		.00 ND	.00 ND	.00 ND	.00 ND					
17			.00 ND									
18											.00 ND	.00 ND
19									AF	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			.00 ND	.00 ND							
23			.00 ND									
24											.00 ND	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28 29	.00 ND		.00 ND	AF	.00 ND							
30			.00 ND								.00 ND	.00 ND
31										.00 ND	.00 ND	.00 ND
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	59	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

LAND USE: INDUSTRIAL

LOCATION SETTING:

Jul. 3, 2019

CAS NUMBER: 79-34-5 LATITUDE: 39.818715 LONGITUDE: -75.413973

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

CITY: (47344) Marcus Hook SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

(43818) 1,1,2,2-Tetrachloroethane

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

DURATION: 24 HOUR REPORT FOR: 2014

URBAN AND CENTER CITY

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

UTM ZONE:

UNITS: Parts per billion Carbon

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

PQAO:			rtment Of Envi								MIN DETE	CTABLE:
	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND		
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.00 ND			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	AS							
12 13			.00 ND								00.170	0.0 277
13									.00 ND	AS	.00 ND	.00 ND
15								.00 ND	.00 ND	AS		
16		.00 ND				.00 ND	.00 ND	.00 ND				
17	.00 ND	.00 ND		.00 ND	.00 ND	.00 ND	.00 ND					
18	.00 112		.00 ND	.00 112	.00 112							
19			.00 112								.00 ND	.00 ND
20									.00 ND	.00 ND		
21								AF				
22		.00 ND				.00 ND	.00 ND					
23	.00 ND			.00 ND	AS							
24			.00 ND									
25											.00 ND	AS
26									.00 ND	.00 ND		
27								.00 ND				
28		AF				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS	3: 54	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

AIR QUALITY SYSTEM

AQCR: (045) METROPOLITAN PHILADELPHIA

CAS NUMBER:

UTM ZONE:

79-34-5

RAW DATA REPORT Jul. 3, 2019

LATITUDE: 39.818715 SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania -75.413973 LONGITUDE:

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

(43818) 1,1,2,2-Tetrachloroethane

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR

MONITOR TYPE: SPM REPORT FOR: 2015 UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											AS	AF
9									AS	.00 ND		
10								.00 ND				
11		.00 ND				AS	.00 ND					
12	.00 ND		00.375	.00 ND	.00 ND							
13 14			.00 ND								.00 ND	AF
15									.00 ND	.00 ND	.00 ND	AF
16								.00 ND	.00 142	.00 ND		
17		.00 ND				.00 ND	.00 ND	.00 112				
18	.00 ND			.00 ND	.00 ND							
19			.00 ND									
20											.00 ND	AS
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				.00 ND	.00 ND					
24	.00 ND			AF	.00 ND							
25			.00 ND									
26											AS	.00 ND
27									AS	AS		
28 29						.00 ND	0.0 MD	.00 ND				
30	.00 ND			.00 ND	.00 ND	.00 ND	.00 ND					
31	.00 ND		.00 ND	.00 ND	.00 ND							
31												
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	48	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

CAS NUMBER: 74-83-9
LATITUDE: 39.818715

STATE: (42) Pennsylvania

AQCR: (045) METROPOLITAN PHILADELPHIA
URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0

PROBE HEIGHT:

UNITS: Parts per billion Carbon

LONGITUDE:

UTM NORTHING:

UTM EASTING:

UTM ZONE:

Jul. 3, 2019

-75.413973

MONITOR COMMENTS:

SITE ID: 42-045-0109

COUNTY: (045) Delaware

CITY: (47344) Marcus Hook

(43819) Bromomethane

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

POC: 2

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO PQAO: (0851) Pennsylvania Department Of Environmental Protection REPORT FOR: 2013 DURATION: 24 HOUR

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			1.36	.00 ND							
11			.00 ND									
12											.00 ND	.00 ND
13									.00 ND	.00 ND		
14								.00 ND				
15 16	.00 ND	.00 ND		.00 ND	.00 ND	.00 ND	.00 ND					
17	.00 ND		.00 ND	.00 ND	.00 ND							
18			.00 ND								.00 ND	.00 ND
19									AF	.00 ND	.00 ND	.00 ND
20								.00 ND		.00 112		
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			.00 ND	.00 ND							
23			.00 ND									
24											.00 ND	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AF	.00 ND							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	1.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	.340	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	L OBSERVATIONS:	59	ANNUAL MEAN:	.023	ANNUAL MAX:	1.36						

Jul. 3, 2019

CAS NUMBER: 74-83-9 LATITUDE: 39.818715 -75.413973

LONGITUDE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

UNITS: Parts per billion Carbon

ELEVATION-MSL: 0

UTM ZONE:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

CITY: (47344) Marcus Hook

(43819) Bromomethane

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

DURATION: 24 HOUR 2014

URBAN AND CENTER CITY

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING:

REPORT FOR:

PQAO:			rtment Of Envi	ronmental Prot							MIN DETE	CTABLE:
	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND	.00 ND	.00 ND
3								.00 ND	.00 112	.00 112		
4		.00 ND				.00 ND	.00 ND					
5	.09 CC			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	AS							
12			.18									
13											.00 ND	.00 ND
14									.00 ND	AS		
15								.00 ND				
16		.00 ND				.00 ND	.00 ND					
17	.00 ND			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	.00 ND
20									.00 ND	.00 ND		
21								AF				
22		3.48 5				.00 ND	.00 ND					
23	.00 ND			.00 ND	AS							
24			.00 ND								00.1	20
25									0.0 200	0.0 200	.00 ND	AS
26								.00 ND	.00 ND	.00 ND		
27 28		AF				.00 ND	.00 ND	.UU ND				
28 29	.00 ND	Ar		.00 ND	.00 ND	.UU ND	.UU ND					
30	.00 ND		AF	. UU ND	.UU ND							
31			PAF									.00 ND
31												
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	.09	3.48	.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	.018	.870	.045	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNU	AL OBSERVATIONS	: 54	ANNUAL MEAN:	.069	ANNUAL MAX:	3.48						

AIR QUALITY SYSTEM

RAW DATA REPORT Jul. 3, 2019

> CAS NUMBER: 74-83-9 LATITUDE: 39.818715 -75.413973 LONGITUDE:

> > UTM ZONE:

UTM NORTHING:

UTM EASTING:

STATE: (42) Pennsylvania COUNTY: (045) Delaware

(43819) Bromomethane

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

POC: 2

SITE ID: 42-045-0109

CITY: (47344) Marcus Hook

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL LOCATION SETTING: URBAN AND CENTER CITY

ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2015 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4 5		AF				.00 ND	.00 ND	.00 ND				
6	.00 ND	Ar		1.30	.00 ND	.00 ND	.00 ND					
7	.00 ND		.00 ND	1.50	.00 ND							
8											AS	AF
9									AS	.00 ND		
10								.00 ND				
11		.00 ND				AS	.00 ND					
12	1.13			.12	.00 ND							
13			.00 ND								00.175	17
14 15									.00 ND	.00 ND	.00 ND	AF
16								.00 ND	.00 ND	.00 ND		
17		.00 ND				.00 ND	.00 ND					
18	.00 ND			.00 ND	.00 ND							
19			.00 ND									
20											.00 ND	AS
21									.00 ND	.00 ND		
22		00.375				00.370	0.0 277	.00 ND				
23 24	.00 ND	.00 ND		AF	.00 ND	.00 ND	.00 ND					
25	.00 ND		.00 ND	TAT.	.00 ND							
26											AS	.00 ND
27									AS	AS		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			.04 SQ									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	1.13	0.00	.04	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	.226	0.000	.007	.355	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAI	L OBSERVATIONS:	48	ANNUAL MEAN:	.054	ANNUAL MAX:	1.30						

AIR QUALITY SYSTEM

(045) METROPOLITAN PHILADELPHIA

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

79-00-5

RAW DATA REPORT Jul. 3, 2019

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania LONGITUDE: -75.413973 COUNTY: (045) Delaware

CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

LOCATION SETTING: URBAN AND CENTER CITY

LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0

MONITOR COMMENTS:

LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0

PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM REPORT FOR: 2013

DURATION: 24 HOUR

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon

AO: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			.00 ND	.00 ND							
11			.00 ND									
12											.00 ND	.00 ND
13								0.0 177	.00 ND	.00 ND		
14 15		.00 ND				.00 ND	.00 ND	.00 ND				
16	.00 ND	.00 ND		.00 ND	.00 ND	.00 ND	.00 ND					
17	.00 ND		.00 ND	.00 ND	.00 ND							
18			.00 110								.00 ND	.00 ND
19									AF	.00 ND	.00 112	.00 112
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			.00 ND	.00 ND							
23			.00 ND									
24											.00 ND	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AF	.00 ND							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	L OBSERVATIONS:	59	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(43820) 1,1,2-Trichloroethane

LAND USE: INDUSTRIAL

LOCATION SETTING:

CAS NUMBER: 79-00-5
LATITUDE: 39.818715
LONGITUDE: -75.413973

Jul. 3, 2019

COUNTY: (045) Delaware
CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL
SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT
MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

(43820) 1,1,2-Trichloroethane

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2014 DURATION: 24 HOUR

URBAN AND CENTER CITY

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

UNITS: Parts per billion Carbon

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND		
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.00 ND			.00 ND	.00 ND							
6			.00 ND									
7									00.370	00.370	.00 ND	.00 ND
8 9								.00 ND	.00 ND	.00 ND		
10		.00 ND				.00 ND	.00 ND	.00 ND				
11	.00 ND	.00 ND		.00 ND	AS	.00 ND	.00 ND					
12			.00 ND	.00 112								
13											.00 ND	.00 ND
14									.00 ND	AS		
15								.00 ND				
16		.00 ND				.00 ND	.00 ND					
17	.00 ND			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	.00 ND
20									.00 ND	.00 ND		
21								AF				
22	0.0 MT	.00 ND		00 255	3.0	.00 ND	.00 ND					
23 24	.00 ND		.00 ND	.00 ND	AS							
25			.00 ND								.00 ND	AS
26									.00 ND	.00 ND	.00 ND	AD.
27								.00 ND	.00 110	.00 140		
28		AF				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS	54	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

AIR QUALITY SYSTEM

RAW DATA REPORT Jul. 3, 2019

(43820) 1,1,2-Trichloroethane LATITUDE: 39.818715 STATE: (42) Pennsylvania -75.413973 LONGITUDE:

(045) METROPOLITAN PHILADELPHIA

CAS NUMBER:

UTM ZONE:

79-00-5

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

POC: 2

SITE ID: 42-045-0109

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2015

MONITOR TYPE: SPM REPORT FOR: UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											AS	AF
9									AS	.00 ND		
10								.00 ND				
11		.00 ND				AS	.00 ND					
12	.00 ND			.00 ND	.00 ND							
13			.00 ND									
14									00.175	00.175	.00 ND	AF
15 16								.00 ND	.00 ND	.00 ND		
17		.00 ND				.00 ND	.00 ND	.00 ND				
18	.00 ND	.00 ND		.00 ND	.00 ND	.00 ND	.00 ND					
19	.00 ND		.00 ND	.00 ND	.00 ND							
20			.00 112								.00 ND	AS
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				.00 ND	.00 ND					
24	.00 ND			AF	.00 ND							
25			.00 ND									
26											AS	.00 ND
27									AS	AS		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			.00 ND									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	48	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

LAND USE: INDUSTRIAL

LOCATION SETTING:

Jul. 3, 2019

CAS NUMBER: 76-13-1 LATITUDE: 39.818715 -75.413973 LONGITUDE:

STATE: (42) Pennsylvania

COUNTY: (045) Delaware CITY: (47344) Marcus Hook SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

SITE ID: 42-045-0109

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco (0851) Pennsylvania Department Of Environmental Protection

(43821) 1,1,2-Trichloro-1,2,2-trifluoroe

POC: 2

DURATION: 24 HOUR 2013 REPORT FOR:

URBAN AND CENTER CITY

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

UNITS: Parts per billion Carbon

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.16 SQ	.16 SQ		
2								.18 SQ				
3		.17 SQ				.21 SQ	.20 SQ	_				
4	.14 SQ			.18 SQ	.18 SQ							
5			.20 SQ									
6											.19 SQ	.20 SQ
7									.17 SQ	.17 SQ		
8								.16 SQ				
9		.24 SQ				.18 SQ	.20 SQ					
10	.21 SQ			.17 SQ	.20 SQ							
11			.21 SQ									
12											.21 SQ	.19 SQ
13									.20 SQ	.17 SQ		
14								.20 SQ				
15		.21 SQ				.18 SQ	.17 SQ					
16	.20 SQ			.18 SQ	.18 SQ							
17			.21 SQ									
18											.18 SQ	.19 SQ
19								45	AF	.18 SQ		
20 21		10.00				00.375	10.00	.16 SQ				
21	.14 SQ	.19 SQ		.18 SQ	.18 SQ	.00 ND	.19 SQ					
23	.14 SQ		.18 SQ	.18 SQ	.18 50							
24			.10 50								.20 SQ	.19 SQ
25									.16 SQ	.22 SQ	.20 50	.17 50
26								.16 SQ	.10 52	.22 00		
27		.20 SQ				.18 SQ	.16 SQ	1-1 22				
28	.18 SQ			AF	.20 SQ	~ ~ ~ ~						
29			.19 SQ									
30											.21 SQ	.19 SQ
31										.19 SQ		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	.21	.24	.21	.18	.20	.21	.20	.20	.20	.22	.21	.20
MEAN:	.174	.202	.198	.178	.188	.150	.184	.172	.173	.182	.198	.192
							.101	.1/2	.1/3	.102	.170	.172
ANNUA	L OBSERVATIONS	: 59	ANNUAL MEAN:	.183	ANNUAL MAX:	.24						

Jul. 3, 2019

76-13-1

CAS NUMBER:

PROBE HEIGHT:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania LONGITUDE: -75.413973 COUNTY: (045) Delaware

AQCR: (045) METROPOLITAN PHILADELPHIA UTM ZONE:

CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

UTM NORTHING:

LAND USE: INDUSTRIAL

MONITOR COMMENTS:

URBAN AND CENTER CITY

LOCATION SETTING: URBAN AND CENTER CITY

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR

MONITOR TYPE: SPM

REPORT FOR: 2014

COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco

UNITS: Parts per billion Carbon

QAO: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

(0001) 1011	.io/ivaiiia bepa	TOMORIO OF BRIVE	rommentar rroc	2001011						11111 2212	
MONTH											
JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
										.15 SQ	.16 SQ
								.16 SQ	.17 SQ		
							.17 SQ				
	.16 SQ				.16 SQ	.16 SQ					
.35 5			.15 SQ	.17 SQ							
		.00 ND									
										.15 SQ	.16 SQ
								.15 SQ	.16 SQ		
							.14 SQ				
	.22 SQ				.00 ND	.20 SQ					
.17 SQ		10	.21 SQ	AS							
		.18 SQ								15 60	15 00
								16 00	7.0	.15 SQ	.15 SQ
							15 00	.io SQ	Ab		
	20 50				22 50	20 50	.15 50				
15 90	.20 50		19 50	18 50	.22 SQ	.20 SQ					
.13 30		21 80	.19 50	.10 50							
		.21 30								.16 80	.15 SQ
								.17 SO	.16 SO	28	~~
							AF	22	22		
	.24 SQ				.15 SQ	.23 SQ					
.16 SQ			.23 SQ	AS		~					
		.18 SQ									
										.15 SQ	AS
								.17 SQ	.15 SQ		
							.11 SQ				
	AF				.14 SQ	.19 SQ					
.15 SQ			.19 SQ	.17 SQ							
		AF									
											.16 SQ
5	4	4	5	3	5	5	4	5	4	5	5
.35	.24	.21	.23	.18	. 22	.23	.17	.17	.17	.16	.16
.196	.205	.143	.194	.173	.134	.196	.143	.162	.160	.152	.156
ML OBSEKVAIIONS	54	ANNUAL MEAN:	.168	ANNUAL MAX:	. 35						
	MONTH JANUARY .35 5 .17 SQ .15 SQ .16 SQ .15 SQ 5 .35 .196	MONTH JANUARY FEBRUARY .16 SQ .35 5 .22 SQ .17 SQ .20 SQ .15 SQ .24 SQ .16 SQ AF .15 SQ AF .15 SQ	MONTH JANUARY FEBRUARY MARCH .16 SQ .35 5 .00 ND .17 SQ .18 SQ .15 SQ .16 SQ .18 SQ .18 SQ .18 SQ .18 SQ .19 AF .15 SQ AF .16 SQ AF .17 SQ AF .18 SQ AF .19 SQ AF	MONTH JANUARY FEBRUARY MARCH APRIL .16 SQ .35 5 .00 ND .15 SQ .17 SQ .18 SQ .18 SQ .18 SQ .18 SQ .18 SQ .19 SQ .18 SQ .19 SQ	AF AF AF AF AF AF AF AF AF AF	MONTH JANUARY FEBRUARY MARCH APRIL MAY JUNE .16 SQ .35 5 .16 SQ .00 ND .17 SQ .18 SQ .19 SQ .18 SQ .18 SQ .19 SQ .18 SQ .19 SQ .19 SQ .18 SQ .19 SQ .19 SQ .19 SQ .19 SQ .11 SQ .11 SQ .12 SQ .12 SQ .13 SQ .14 SQ .15 SQ .15 SQ .16 SQ .17 SQ .18 SQ .18 SQ .19 SQ .19 SQ .19 SQ .11 SQ .11 SQ .12 SQ .13 SQ .14 SQ .15 SQ .15 SQ .16 SQ .17 SQ .18 SQ .18 SQ .19 SQ .11 SQ .11 SQ .12 SQ .13 SQ .14 SQ .15 SQ .15 SQ .17 SQ .18 SQ .19 SQ .17 SQ .18 SQ	MONTH JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY .16 SQ .16 SQ .16 SQ .17 SQ .17 SQ .16 SQ .16 SQ .16 SQ .18 SQ .17 SQ .17 SQ .18 SQ .19 SQ .18 SQ .18 SQ .18 SQ .19 SQ .18 SQ .18 SQ .19 SQ .	MONTH JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY AUGUST 1.17 SQ 1.16 SQ 1.17 SQ 1.18	MONTH JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY AUGUST SEPTEMBER 1.16 SQ 1.16 SQ 1.16 SQ 1.16 SQ 1.17 SQ 1.18 SQ 1.1	MONTH MARCH MARCH MARCH MAY JUNE JULY AUGUST SEPTEMBER OCTOBER ARCH MARCH MARCH MARCH MAY JUNE JULY AUGUST SEPTEMBER OCTOBER ARCH MARCH MARCH MARCH MAY JUNE JULY AUGUST SEPTEMBER OCTOBER ARCH MARCH MARCH MARCH MAY JUNE JULY AUGUST SEPTEMBER OCTOBER ARCH MARCH MARCH MARCH MAY JUNE JULY AUGUST SEPTEMBER OCTOBER ARCH MARCH MARCH MARCH MAY JUNE JULY AUGUST SEPTEMBER OCTOBER ARCH MARCH MARCH MARCH MARCH MAY JULY AUGUST SEPTEMBER OCTOBER ARCH MARCH MA	MANURY PERUARY MARCH APRIL MAY MAY JUNE JULY SEPTEMBR COTORS NOVEMBER 15 S PERUARY MARCH APRIL MAY

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(43821) 1,1,2-Trichloro-1,2,2-trifluoroe

Jul. 3, 2019

76-13-1

CAS NUMBER:

PROBE HEIGHT:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania LONGITUDE: -75.413973 COUNTY: (045) Delaware

AQCR: (045) METROPOLITAN PHILADELPHIA UTM ZONE:

CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

UTM NORTHING:

LAND USE: INDUSTRIAL

MONITOR COMMENTS:

URBAN AND CENTER CITY

LOCATION SETTING: URBAN AND CENTER CITY

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM PROPT FOR: 2015

DURATION: 24 HOUR

MONITOR TYPE: SPM

REPORT FOR: 2015

COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco

UNITS: Parts per billion Carbon

AO: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

_	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.18 SQ									
2											.18 CC	.16 SQ
3									.17 SQ	AS		
4								.17 SQ				
5		AF				.14 SQ	.13 SQ					
6	.16 SQ			.22 SQ	.15 SQ							
7			.14 SQ									
8											AS	AF
9									AS	.15 SQ		
10								.15 SQ				
11		.19 SQ				AS	.14 SQ					
12	.17 SQ			.26 5	.16 SQ							
13			.17 SQ									
14											.14 SQ	AF
15									.15 SQ	.15 SQ		
16								.18 SQ				
17		.19 SQ				.14 SQ	.16 SQ					
18	.15 SQ			.24	.17 SQ							
19			.14 SQ									
20											.14 SQ	AS
21									.16 SQ	.19 SQ		
22								.16 SQ				
23		.17 SQ				.15 SQ	.16 SQ					
24	.16 SQ			AF	.14 SQ							
25			.11 SQ									
26											AS	.19 SQ
27									AS	AS		
28								.15 SQ				
29						.14 SQ	.15 SQ					
30	.16 SQ			.15 SQ	.13 SQ							
31			.14 SQ									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	.17	.19	.18	.26	.17	.15	.16	.18	.17	.19	.18	.19
MEAN:	.160	.183	.147	.218	.150	.143	.148	.162	.160	.163	.153	.175
ANNUA	L OBSERVATIONS	: 48	ANNUAL MEAN:	.161	ANNUAL MAX:	.26						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(43821) 1,1,2-Trichloro-1,2,2-trifluoroe

Jul. 3, 2019

POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

SITE ID: 42-045-0109

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

(43823) Dichlorodifluoromethane

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2013 REPORT FOR:

URBAN AND CENTER CITY

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING:

UNITS: Parts per billion Carbon

CAS NUMBER:

LATITUDE:

UTM ZONE:

LONGITUDE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

75-71-8

39.818715

-75.413973

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.58	.25 5		
2								.58				
3		.56				.67	.60					
4	.45			.58	.53							
5			.62									
6											.60	.65
7									.64	.21 5		
8								.46				
9		.64				.50	.60					
10 11	.68		.59	.56	.64							
12			.59								.64	.64
13									.67	.23 5	.04	.04
14								.43	,	.23 3		
15		.63				.58	.59					
16	.60			.57	.57							
17			.63									
18											.56	.61
19									AF	.57		
20								.65				
21		.63				.36 5	.58					
22	.44			.55	.55							
23			.58								61	63
24 25									.17 5	.54	.61	.63
26								.58	.17 5	.54		
27		.58				.56	.58	.50				
28	.58			AF	.67							
29			.60									
30											.70	.65
31										.57		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	.68	.64	.63	.58	.67	.67	.60	.65	.67	.57	.70	.65
MEAN:	.550	.608	.604	.565	.592	.534	.590	.540	.515	.395	.622	.636
	AL OBSERVATION	IS: 59	ANNUAL MEAN:	.561	ANNUAL MAX:	.70						

Jul. 3, 2019

CAS NUMBER: 75-71-8 LATITUDE: 39.818715 -75.413973 LONGITUDE:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 0

SITE ID: 42-045-0109 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(43823) Dichlorodifluoromethane

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

CITY: (47344) Marcus Hook

POC: 2

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY

MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2014 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.54	.58
2									.57	.54		
3								.59				
4		.53				.54	.57					
5	.84 5			.42	.58							
6			.63									
7											.48	.59
8									.51	.58		
9		60				40	F.1	.51				
10 11	.68	.68		.37 5	AS	.49	.51					
12	.00		.55	.3/5	AS							
13			. 33								.55	.55
14									.53	AS	.55	.55
15								.51				
16		.57				.70	.59					
17	.55			.32 5	.53							
18			.68									
19											.55	.55
20									.57	.53		
21								AF				
22		.64				.47	.66					
23	.61			.86 5	AS							
24			.34 5								50	
25									. 57	F 2	.52	AS
26 27								.45	.5/	.53		
28		AF				.45	.66	.40				
29	.50	AL.		.67	.50	. 15	.00					
30			AF									
31												.54
	-	4		-	2	_	-	4	_	A	-	
NO.: MAX:	.84	.68	.68	.86	.58	.70	.66	.59	.57	.58	.55	.59
MAX: MEAN:		.605	.550	.528	.58	.530	.598	.515	.550	.58	.55	.562
			. 550				. 320	.515	. 550	.545	. 520	. 302
ANNU	AL OBSERVATION	NS: 54	ANNUAL MEAN:	.558	ANNUAL MAX:	.86						

Jul. 3, 2019

CAS NUMBER: 75-71-8 LATITUDE: 39.818715 -75.413973 LONGITUDE:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 0

STATE: (42) Pennsylvania COUNTY: (045) Delaware

(43823) Dichlorodifluoromethane

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

POC: 2

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

SITE ID: 42-045-0109

CITY: (47344) Marcus Hook

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY

MONITOR COMMENTS: PROBE HEIGHT:

DURATION: 24 HOUR 2015 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.58									
2											.62	.58
3									.64	AS		
4								.59				
5		AF				.57	.49					
6	.57		40	.68	. 48							
7 8			.40								AS	AF
9									AS	.54	Ab	Ar
10								.52	AS	.51		
11		.62				AS	.52	.52				
12	.63			.77 5	.53							
13			.43									
14											.53	AF
15									.50	.54		
16								.60				
17		.67				.54	.59					
18	.57			.78 5	.58							
19			.48									
20									40		.52	AS
21 22								.59	. 49	.60		
23		.59				.56	.60	. 59				
24	.61	. 33		AF	.56	.50	.00					
25			.44									
26											AS	.51
27									AS	AS		
28								.52				
29						.53	.60					
30	.57			.46	.54							
31			.33 5									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	.63	.67	.58	.78	.58	.57	.60	.60	.64	.60	.62	.58
MEAN:	.590	.627	.443	.673	.538	.550	.560	.564	.543	.560	.557	.545
ANNUA	L OBSERVATION	S: 48	ANNUAL MEAN:	.558	ANNUAL MAX:	.78						

RAW DATA REPORT Jul. 3, 2019

LATITUDE: 39.818715 LONGITUDE: -75.413973

79-01-6

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

(43824) Trichloroethylene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

COUNTY: (045) Delaware

CITY: (47344) Marcus Hook

CITY: (47344) Marcus Hook

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
LAND USE: INDUSTRIAL
LOCATION SETTING: URBAN AND CENTER CITY

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

SPECIAL STUDY FOR ODOR COMPLAINT

LOCATION SETTING: URBAN AND

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM PROPT FOR: 2013

DURATION: 24 HOUR

MONITOR TYPE: SPM REPORT FOR: 2013 DURATION. 24 HOUR
COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO UNITS: Parts per billion Carbon

O: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			.00 ND	.00 ND							
11			.00 ND									
12											.00 ND	.00 ND
13									.00 ND	.00 ND		
14								.13 SQ				
15		.00 ND				.00 ND	.00 ND					
16	.00 ND			.00 ND	.00 ND							
17			.00 ND									
18											.00 ND	.00 ND
19								00.170	AF	.00 ND		
20		.00 ND				.00 ND	.00 ND	.00 ND				
21 22	.00 ND	.00 ND		.00 ND	.00 ND	.00 ND	.00 ND					
23	.00 ND		.00 ND	.00 ND	.00 ND							
24			.00 ND								.00 ND	.00 ND
25									.00 ND	.00 ND	.00 1.5	.00 112
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AF	.00 ND							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.13	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.026	0.000	0.000	0.000	0.000
	OBSERVATIONS:	59	ANNUAL MEAN:		ANNUAL MAX:	.13						
HIVITOPIL	. ODDEKANITOND.	22	AMMUML PIEAN	.002	THAINGLID LINY.							

Jul. 3, 2019

LATITUDE: 39.818715 -75.413973 LONGITUDE:

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

79-01-6

SITE ID: 42-045-0109 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(43824) Trichloroethylene

POC: 2

(045) METROPOLITAN PHILADELPHIA CITY: (47344) Marcus Hook URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2014

MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND		
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.10 QX			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8								0.0 177	.00 ND	.00 ND		
9 10		.00 ND				.00 ND	.00 ND	.00 ND				
11	.00 ND	.UU IND		.00 ND	AS	.UU ND	.00 ND					
12	.50 ND		.00 ND	.00 ND	no							
13			.00 115								.00 ND	.00 ND
14									.00 ND	AS		
15								.00 ND				
16		.00 ND				.00 ND	.00 ND					
17	.00 ND			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	.00 ND
20									.00 ND	.00 ND		
21								AF				
22		.00 ND				.00 ND	.00 ND					
23	.00 ND			.00 ND	AS							
24			.00 ND								00.375	10
25 26									.00 ND	.00 ND	.00 ND	AS
27								.00 ND	.00 ND	.00 ND		
28		AF				.00 ND	.00 ND	. OO ND				
29	.00 ND			.00 ND	.00 ND	.00 10	110					
30	-		AF									
31												.00 ND
	-	4	4	-	2	_	-	4	-	,	-	
NO.:	.10	0.00	0.00	5 0.00	0.00	5 0.00	5 0.00	0.00	5 0.00	0.00	0.00	5 0.00
MAX: MEAN:	.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
							0.000	0.000	0.000	0.000	0.000	0.000
ANNUA	L OBSERVATIONS	54	ANNUAL MEAN:	.002	ANNUAL MAX:	.10						

RAW DATA REPORT Jul. 3, 2019

CAS NUMBER: 79-01-6

LATITUDE: 39.818715

LONGITUDE: -75.413973

UTM ZONE:

(43824) Trichloroethylene

CITY: (47344) Marcus Hook

AQCR: (045) METROPOLITAN PHILADELPHIA

CITY: (4/344) MAYCUS HOOK

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODDR COMPLAINT

MONITOR COMMENTS:

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

UTM NORTHING:

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY

MONITOR COMMENTS:

PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM REPORT FOR: 2015

DURATION: 24 HOUR

MONITOR TYPE: SPM

REPORT FOR: 2015

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon

AO: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											AS	AF
9									AS	.00 ND		
10								.00 ND				
11		.00 ND				AS	.00 ND					
12	.00 ND			.00 ND	.00 ND							
13			.00 ND								00.370	
14 15									.00 ND	.00 ND	.00 ND	AF
16								.00 ND	.00 ND	.00 ND		
17		.00 ND				.00 ND	.00 ND	.00 ND				
18	.00 ND	.00 112		.00 ND	.00 ND	.00 112	.00 112					
19			.00 ND									
20											.00 ND	AS
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				.00 ND	.00 ND					
24	.00 ND			AF	.00 ND							
25			.00 ND									
26											AS	.00 ND
27									AS	AS		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			.00 ND									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	48	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

RAW DATA REPORT Jul. 3, 2019

CAS NUMBER: 75-35-4
LATITUDE: 39.818715
LONGITUDE: -75.413973

AQCR: (045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0
PROBE HEIGHT:

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

CITY: (47344) Marcus Hook

(43826) 1,1-Dichloroethylene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013 DURATION: 24 HOUR

UNITS: Parts per billion Carbon

UTM ZONE:

UTM NORTHING:

UTM EASTING:

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			.00 ND	.00 ND							
11			.00 ND									
12											.00 ND	.00 ND
13									.00 ND	.00 ND		
14								.00 ND				
15		.00 ND				.00 ND	.00 ND					
16	.00 ND			.00 ND	.00 ND							
17			.00 ND									
18											.00 ND	.00 ND
19									AF	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			.00 ND	.00 ND							
23			.00 ND									
24											.00 ND	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AF	.00 ND							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ΑΝΝΙΤΑΤ	L OBSERVATIONS:	59	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						
		39	FINANCED PIEMW.	0.000		3.00						

LAND USE: INDUSTRIAL

LOCATION SETTING:

(045) METROPOLITAN PHILADELPHIA

URBAN AND CENTER CITY

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

75-35-4

RAW DATA REPORT Jul. 3, 2019

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania LONGITUDE: -75.413973

COUNTY: (045) Delaware
CITY: (47344) Marcus Hook
SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT MONITOR COMMENTS:

(43826) 1,1-Dichloroethylene

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM REPORT FOR: 2014

DURATION: 24 HOUR

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon

MAO: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

_	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND		
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.00 ND			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8									.00 ND	.00 ND		
9		0.0						.00 ND				
10	00 ME	.00 ND		00 255	3.0	.00 ND	.00 ND					
11 12	.00 ND		.00 ND	.00 ND	AS							
13			.00 ND								.00 ND	.00 ND
14									.00 ND	AS	.00 ND	.00 ND
15								.00 ND				
16		.00 ND				.00 ND	.00 ND					
17	.00 ND			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	.00 ND
20									.00 ND	.00 ND		
21								AF				
22		.00 ND				.00 ND	.00 ND					
23	.00 ND			.00 ND	AS							
24			.00 ND									3.0
25 26									.00 ND	.00 ND	.00 ND	AS
26								.00 ND	.00 D	.00 ND		
28		AF				.00 ND	.00 ND	.00 ND				
29	.00 ND	-		.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
NO.: MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
							0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	54	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

Jul. 3, 2019

LATITUDE: 39.818715 STATE: (42) Pennsylvania -75.413973 LONGITUDE:

CAS NUMBER:

UTM ZONE:

PROBE HEIGHT:

75-35-4

COUNTY: (045) Delaware (045) METROPOLITAN PHILADELPHIA CITY: (47344) Marcus Hook

(43826) 1,1-Dichloroethylene

POC: 2

SITE ID: 42-045-0109

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT ELEVATION-MSL: 0

LOCATION SETTING: URBAN AND CENTER CITY MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2015 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY I	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											AS	AF
9									AS	.00 ND		
10								.00 ND				
11	00.175	.00 ND		00.370	00.370	AS	.00 ND					
12 13	.00 ND		.00 ND	.00 ND	.00 ND							
14			.00 ND								.00 ND	AF
15									.00 ND	.00 ND	.00 ND	Ar
16								.00 ND	.00 112	.00 112		
17		.00 ND				.00 ND	.00 ND					
18	.00 ND			.00 ND	.00 ND							
19			.00 ND									
20											.00 ND	AS
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				.00 ND	.00 ND					
24	.00 ND			AF	.00 ND							
25			.00 ND									
26											AS	.00 ND
27								0.0 277	AS	AS		
28 29						.00 ND	.00 ND	.00 ND				
30	.00 ND			.00 ND	.00 ND	.00 ND	.00 ND					
31	.00 ND		.00 ND	.00 ND	.00 ND							
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	48	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

RAW DATA REPORT Jul. 3, 2019

CAS NUMBER: 75-27-4

LATITUDE: 39.818715

LONGITUDE: -75.413973

UTM ZONE:

UTM NORTHING:

UTM EASTING:

(43828) Bromodichloromethane

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

CITY: (47344) Marcus Hook

MONITOR COMMENTS:

AQCR: (045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0

PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM REPORT FOR: 2013 DURATION: 24 HOUR

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon

O: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
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7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
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17			.00 ND									
18											.00 ND	.00 ND
19									AF	.00 ND		
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25									.00 ND	.00 ND		
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28	.00 ND			AF	.00 ND							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ΑΝΝΙΙΑΤ	OBSERVATIONS:	59	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						
		39	ANNOAD PIEAN.	0.000		3.00						

Jul. 3, 2019

CAS NUMBER: 75-27-4 LATITUDE: 39.818715

-75.413973

LONGITUDE:

UTM ZONE:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

AQCR: (045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: LAND USE: INDUSTRIAL UTM EASTING:

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY

ELEVATION-MSL: 0 PROBE HEIGHT:

MONITOR COMMENTS:

CITY: (47344) Marcus Hook

(43828) Bromodichloromethane

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR

REPORT FOR: 2014 MONITOR TYPE: SPM

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

1 2110	(1131) 1011		romeno or bhvir								5515	
	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND		
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.06 QX			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	AS							
12			.00 ND									
13											.00 ND	.00 ND
14									.00 ND	AS		
15								.00 ND				
16		.00 ND				.00 ND	.00 ND					
17	.00 ND			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	.00 ND
20									.00 ND	.00 ND		
21		00.3				00.3	00	AF				
22	00 200	.00 ND		00 200	3.0	.00 ND	.00 ND					
23	.00 ND		00.375	.00 ND	AS							
24			.00 ND								27.00	3.0
25 26									.00 ND	.00 ND	.00 ND	AS
26 27								.00 ND	.UU ND	.UU ND		
28		AF				.00 ND	.00 ND	.UU ND				
29	.00 ND	Ar		.00 ND	.00 ND	.00 ND	.00 ND					
30	.UU ND		AF	.00 ND	.UU ND							
31			AF									.00 ND
31												
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	.012	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNU/	AL OBSERVATIONS	: 54	ANNUAL MEAN:	.001	ANNUAL MAX:	.06						

LATITUDE: 39.818715 STATE: (42) Pennsylvania -75.413973 LONGITUDE:

Jul. 3, 2019

75-27-4

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2015 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
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7			.00 ND									
8											AS	AF
9									AS	.00 ND		
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11	0.0 MT	.00 ND		00 277	00 217	AS	.00 ND					
12 13	.00 ND		.00 ND	.00 ND	.00 ND							
14			.00 ND								.00 ND	AF
15									.00 ND	.00 ND	.00 ND	Ar
16								.00 ND	.00 112	.00 112		
17		.00 ND				.00 ND	.00 ND					
18	.00 ND			.00 ND	.00 ND							
19			.00 ND									
20											.00 ND	AS
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				.00 ND	.00 ND					
24	.00 ND			AF	.00 ND							
25			.00 ND									
26											AS	.00 ND
27									AS	AS		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			.00 ND									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	48	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(43828) Bromodichloromethane

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

POC: 2

SITE ID: 42-045-0109

COUNTY: (045) Delaware

CITY: (47344) Marcus Hook

Jul. 3, 2019

CAS NUMBER: 78-87-5 LATITUDE: 39.818715 -75.413973

LONGITUDE:

UTM ZONE:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware (045) METROPOLITAN PHILADELPHIA CITY: (47344) Marcus Hook

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: LAND USE: INDUSTRIAL UTM EASTING: URBAN AND CENTER CITY ELEVATION-MSL: 0

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: MONITOR COMMENTS:

(43829) 1,2-Dichloropropane

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR MONITOR TYPE: SPM 2013 REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			.00 ND	.00 ND							
11			.00 ND									
12											.00 ND	.00 ND
13									.00 ND	.00 ND		
14								.00 ND				
15		.00 ND				.00 ND	.00 ND					
16	.00 ND		00.370	.00 ND	.00 ND							
17 18			.00 ND								.00 ND	.00 ND
19									AF	.00 ND	.00 ND	.00 ND
20								.00 ND	Ar	.00 ND		
21		.00 ND				.00 ND	.00 ND	.00 ND				
22	.00 ND	.00 112		.00 ND	.00 ND	.00 112	.00 112					
23			.00 ND									
24											.00 ND	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AF	.00 ND							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	59	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

Jul. 3, 2019

LATITUDE: 39.818715 -75.413973 LONGITUDE:

78-87-5

CAS NUMBER:

UTM ZONE:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware (045) METROPOLITAN PHILADELPHIA CITY: (47344) Marcus Hook

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

(43829) 1,2-Dichloropropane

DURATION: 24 HOUR 2014 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

_	MONTH	_										
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND	.00 ND	.00 ND
3								.00 ND	.00 ND	.00 145		
4		.00 ND				.00 ND	.00 ND	.00 112				
5	.00 ND			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	AS							
12			.00 ND									
13											.00 ND	.00 ND
14									.00 ND	AS		
15								.00 ND				
16		.00 ND				.00 ND	.00 ND					
17	.00 ND			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	.00 ND
20									.00 ND	.00 ND		
21								AF				
22	00.37	.00 ND		00 27-	3.0	.00 ND	.00 ND					
23	.00 ND		00 200	.00 ND	AS							
24			.00 ND								0.0 200	3.0
25 26									.00 ND	.00 ND	.00 ND	AS
26 27								.00 ND	.UU UU.	.UU ND		
28		AF				.00 ND	.00 ND	.00 ND				
29	.00 ND	rat"		.00 ND	.00 ND	.00 ND	.00 ND					
30	.00 1.0		AF	.00 110	.00 1.0							
31												.00 ND
		_	_		_	_	_		_	_	_	
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS	54	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

2015

Jul. 3, 2019

LATITUDE: 39.818715 -75.413973 LONGITUDE:

78-87-5

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

(43829) 1,2-Dichloropropane

COUNTY: (045) Delaware (045) METROPOLITAN PHILADELPHIA

CITY: (47344) Marcus Hook URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR

MONITOR TYPE: SPM REPORT FOR: UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
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7			.00 ND									
8											AS	AF
9									AS	.00 ND		
10								.00 ND				
11		.00 ND				AS	.00 ND					
12	.00 ND			.00 ND	.00 ND							
13			.00 ND									
14									00.175	00.375	.00 ND	AF
15 16								.00 ND	.00 ND	.00 ND		
17		.00 ND				.00 ND	.00 ND	.00 ND				
18	.00 ND	.00 ND		.00 ND	.00 ND	.00 ND	.00 ND					
19	.00 ND		.00 ND	.00 ND	.00 ND							
20			.00 112								.00 ND	AS
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25			.00 ND									
26											AS	.00 ND
27									AS	AS		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			.00 ND									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	48	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

RAW DATA REPORT Jul. 3, 2019

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania LONGITUDE: -75.413973

CAS NUMBER:

UTM ZONE:

10061-02-6

COUNTY: (045) Delaware

AQCR: (045) METROPOLITAN PHILADELPHIA

CITY: (47344) Marcus Hook

(43830) trans-1,3-Dichloropropene

CITY: (4/344) Marcus Hook
SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL
SITE COMMENTS: SPECIAL STUDY FOR ODDR COMPLAINT
MONITOR COMMENTS:

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
UTM NORTHING:
UTM AREATING:
UTM ASTING:
UTM NORTHING:
UTM NO

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM PROPT FOR: 2013

DURATION: 24 HOUR

MONITOR TYPE: SPM REPORT FOR: 2013

UNITS: Parts per billion

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon
PQAO: (0851) Pennsylvania Department Of Environmental Protection

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
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6											.00 ND	.00 ND
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8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
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11			.00 ND									
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17			.00 ND									
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20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
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23			.00 ND									
24									00.170	00.170	.00 ND	.00 ND
25 26								.00 ND	.00 ND	.00 ND		
26 27		.00 ND				.00 ND	.00 ND	.UU ND				
28	.00 ND	.00 ND		AF	.00 ND	.00 ND	.00 ND					
29	.00 ND		.00 ND	ru.	.30 ND							
30			.00 ND								.00 ND	.00 ND
31										.00 ND	.00 Mb	
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	59	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

AIR QUALITY SYSTEM

(045) METROPOLITAN PHILADELPHIA

CAS NUMBER:

UTM ZONE:

10061-02-6

RAW DATA REPORT Jul. 3, 2019

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania LONGITUDE: -75.413973

COUNTY: (045) Delaware
CITY: (47344) Marcus Hook

(43830) trans-1,3-Dichloropropene

CITY: (4734) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY

PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM REPORT FOR: 2014

DURATION: 24 HOUR

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

AO: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND		
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.00 ND			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10	00 M	.00 ND		00 355	3.0	.00 ND	.00 ND					
11 12	.00 ND		.00 ND	.00 ND	AS							
13			.00 ND								.00 ND	.00 ND
14									.00 ND	AS	.00 ND	.00 ND
15								.00 ND	.00 ND	-10		
16		.00 ND				.00 ND	.00 ND					
17	.00 ND			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	.00 ND
20									.00 ND	.00 ND		
21								AF				
22		.00 ND				.00 ND	.00 ND					
23	.00 ND			.00 ND	AS							
24			.00 ND									
25									00	00	.00 ND	AS
26 27								.00 ND	.00 ND	.00 ND		
28		AF				.00 ND	.00 ND	.00 ND				
29	.00 ND	FIL		.00 ND	.00 ND	.00 ND	.00 ND					
30	.00 1.0		AF	.00 10	.00 115							
31												.00 ND
	-			_		_	-		_		-	
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:			0.000	0.000			0.000	0.000	0.000	0.000	0.000	0.000
ANNUA	L OBSERVATIONS	: 54	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

RAW DATA REPORT Jul. 3, 2019

CAS NUMBER: 10061-02-6

LATITUDE: 39.818715

(42) Pennsylvania LONGITUDE: -75.413973

UTM ZONE:

UTM NORTHING:

UTM EASTING:

AQCR: (045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0
PROBE HEIGHT:

MONITOR COMMENTS:

CITY: (47344) Marcus Hook

(43830) trans-1,3-Dichloropropene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBAIM SS CANISTER ENTECH PRECO

REPORT FOR: 2015

DURATION: 24 HOUR

UNITS: Parts per billion Carbon

AO: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											AS	AF
9									AS	.00 ND		
10		0.0 170				3.0	00.375	.00 ND				
11 12	.00 ND	.00 ND		.00 ND	.00 ND	AS	.00 ND					
13	.00 ND		.00 ND	.00 ND	.00 ND							
14			.00 ND								.00 ND	AF
15									.00 ND	.00 ND		
16								.00 ND				
17		.00 ND				.00 ND	.00 ND					
18	.00 ND			.00 ND	.00 ND							
19			.00 ND									
20											.00 ND	AS
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				.00 ND	.00 ND					
24	.00 ND			AF	.00 ND							
25			.00 ND									
26 27									AS	AS	AS	.00 ND
28								.00 ND	AS	AS		
29						.00 ND	.00 ND	.00 ND				
30	.00 ND			.00 ND	.00 ND	.00 ND	.00 ND					
31			.00 ND									
	_				_		-	-			-	
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:			0.000				0.000	0.000	0.000	0.000	0.000	0.000
ANNUAI	L OBSERVATIONS:	48	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

RAW DATA REPORT Jul. 3, 2019

CAS NUMBER: 10061-01-5
LATITUDE: 39.818715

-75.413973

LONGITUDE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

UTM ZONE:

AQCR: (045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL
LOCATION SETTING: URBAN AND CENTER CITY

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT
MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

(43831) cis-1,3-Dichloropropene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

CITY: (47344) Marcus Hook

MONTELL

MONITOR TYPE: SPM

REPORT FOR: 2013

DURATION: 24 HOUR

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon

AO: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			.00 ND	.00 ND							
11			.00 ND								00.370	0.0 170
12 13									.00 ND	.00 ND	.00 ND	.00 ND
14								.00 ND	.00 ND	.00 ND		
15		.00 ND				.00 ND	.00 ND	.00 ND				
16	.00 ND	.00 ND		.00 ND	.00 ND	.00 ND	.00 ND					
17	.00 ND		.00 ND	.00 100	.00 ND							
18			.00 112								.00 ND	.00 ND
19									AF	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			.00 ND	.00 ND							
23			.00 ND									
24											.00 ND	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AF	.00 ND							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	59	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

AIR QUALITY SYSTEM

RAW DATA REPORT Jul. 3, 2019

> CAS NUMBER: 10061-01-5 LATITUDE: 39.818715 LONGITUDE: -75.413973

> > UTM ZONE:

PROBE HEIGHT:

STATE: (42) Pennsylvania COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

UTM NORTHING: LAND USE: INDUSTRIAL UTM EASTING: URBAN AND CENTER CITY ELEVATION-MSL:

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT MONITOR COMMENTS:

(43831) cis-1,3-Dichloropropene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

POC: 2

SITE ID: 42-045-0109

CITY: (47344) Marcus Hook

ANNUAL OBSERVATIONS:

54

LOCATION SETTING:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2014 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO MIN DETECTABLE: (0851) Pennsylvania Department Of Environmental Protection

MONTH Day JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY AUGUST SEPTEMBER OCTOBER NOVEMBER DECEMBER .00 ND .00 ND 2 .00 ND .00 ND 3 .00 ND .00 ND .00 ND .00 ND 4 5 .00 ND .00 ND .00 ND .00 ND 7 .00 ND .00 ND 8 .00 ND .00 ND 9 .00 ND 10 .00 ND .00 ND .00 ND 11 .00 ND .00 ND AS 12 .00 ND 13 .00 ND .00 ND 14 .00 ND AS 15 .00 ND .00 ND .00 ND .00 ND 16 17 .00 ND .00 ND .00 ND 18 .00 ND 19 .00 ND .00 ND 20 .00 ND .00 ND 21 AF 22 .00 ND .00 ND .00 ND 23 .00 ND .00 ND AS 24 .00 ND 25 .00 ND AS .00 ND 26 .00 ND 27 .00 ND 28 .00 ND .00 ND AF 29 .00 ND .00 ND .00 ND 30 AF 31 .00 ND 5 5 5 NO.: 5 4 3 5 4 5 4 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 MAX: 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 MEAN:

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

0.000

ANNUAL MAX:

ANNUAL MEAN:

AIR QUALITY SYSTEM

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

10061-01-5

RAW DATA REPORT Jul. 3, 2019

LATITUDE: 39.818715 SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania -75.413973 LONGITUDE:

COUNTY: (045) Delaware CITY: (47344) Marcus Hook SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

(43831) cis-1,3-Dichloropropene

LAND USE: INDUSTRIAL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2015 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											AS	AF
9								.00 ND	AS	.00 ND		
10 11		.00 ND				AS	.00 ND	.00 ND				
12	.00 ND	.00 ND		.00 ND	.00 ND	AO	.00 ND					
13	.00 112		.00 ND	.00 112	.00 112							
14											.00 ND	AF
15									.00 ND	.00 ND		
16								.00 ND				
17		.00 ND				.00 ND	.00 ND					
18	.00 ND			.00 ND	.00 ND							
19			.00 ND									
20											.00 ND	AS
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				.00 ND	.00 ND					
24	.00 ND		00 MD	AF	.00 ND							
25 26			.00 ND								AS	.00 ND
27									AS	AS	AD	.00 10
28								.00 ND	-10	.10		
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			.00 ND									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAI	L OBSERVATIONS:	48	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

Jul. 3, 2019

CAS NUMBER: 124-48-1 LATITUDE: 39.818715

-75.413973

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL LOCATION SETTING: URBAN AND CENTER CITY UTM NORTHING: UTM EASTING: ELEVATION-MSL: 0 PROBE HEIGHT:

LONGITUDE:

UTM ZONE:

UNITS: Parts per billion Carbon

MONITOR COMMENTS:

CITY: (47344) Marcus Hook

(43832) Dibromochloromethane

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2013 REPORT FOR:

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			.00 ND	.00 ND							
11			.00 ND									
12											.00 ND	.00 ND
13 14								00.175	.00 ND	.00 ND		
15		.00 ND				.00 ND	.00 ND	.00 ND				
16	.00 ND	.00 ND		.00 ND	.00 ND	.00 ND	.00 ND					
17	.00 142		.00 ND	.00 ND	.00 ND							
18			.00 112								.00 ND	.00 ND
19									AF	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			.00 ND	.00 ND							
23			.00 ND									
24											.00 ND	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND		00	AF	.00 ND							
29			.00 ND									00 MD
30 31										.00 ND	.00 ND	.00 ND
31										.UU ND		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	59	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

REPORT FOR:

Jul. 3, 2019

LATITUDE: 39.818715 LONGITUDE: -75.413973

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

124-48-1

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(43832) Dibromochloromethane

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

CITY: (47344) Marcus Hook

MONITOR TYPE: SPM

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2014

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND		
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.00 ND			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND		00.37	.00 ND	AS							
12 13			.00 ND								.00 ND	.00 ND
13									.00 ND	AS	.UU DU.	.UU UU.
15								.00 ND	.00 D	AD		
16		.00 ND				.00 ND	.00 ND	.00 ND				
17	.00 ND	.30 ND		.00 ND	.00 ND	.30 ND	.00 142					
18			.00 ND									
19											.00 ND	.00 ND
20									.00 ND	.00 ND		
21								AF				
22		.00 ND				.00 ND	.00 ND					
23	.00 ND			.00 ND	AS							
24			.00 ND									
25											.00 ND	AS
26									.00 ND	.00 ND		
27								.00 ND				
28		AF				.00 ND	.00 ND					
29	.00 ND		3.0	.00 ND	.00 ND							
30			AF									.00 ND
31												.UU ND
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	54	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

(045) METROPOLITAN PHILADELPHIA

CAS NUMBER:

UTM ZONE:

124-48-1

RAW DATA REPORT Jul. 3, 2019

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania LONGITUDE: -75.413973

COUNTY: (045) Delaware
CITY: (47344) Marcus Hook
SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

(43832) Dibromochloromethane

CITY: (4/344) Marcus Hook
URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
UTM NORTHING:
SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL
LAND USE: INDUSTRIAL
MONITOR COMMENTS:
URBAN AND CENTER CITY
URBAN AND CENTER CITY
PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR

MONITOR TYPE: SPM REPORT FOR: 2015 DURATION: 24 HOUR

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon
PQAO: (0851) Pennsylvania Department Of Environmental Protection

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4 5		AF				.00 ND	.00 ND	.00 ND				
6	.00 ND	Ar		.00 ND	.00 ND	.00 ND	.00 ND					
7	.00 ND		.00 ND	.00 ND	.00 ND							
8			.00 112								AS	AF
9									AS	.00 ND		
10								.00 ND				
11		.00 ND				AS	.00 ND					
12	.00 ND			.00 ND	.00 ND							
13			.00 ND									
14											.00 ND	AF
15									.00 ND	.00 ND		
16		00.370				00.375	00.375	.00 ND				
17 18	.00 ND	.00 ND		.00 ND	.00 ND	.00 ND	.00 ND					
19	.00 ND		.00 ND	.00 ND	.00 ND							
20			.00 110								.00 ND	AS
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				.00 ND	.00 ND					
24	.00 ND			AF	.00 ND							
25			.00 ND									
26											AS	.00 ND
27									AS	AS		
28								.00 ND				
29	00 MD			00.355	00.377	.00 ND	.00 ND					
30	.00 ND		.00 ND	.00 ND	.00 ND							
31												
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	48	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

(045) METROPOLITAN PHILADELPHIA

URBAN AND CENTER CITY

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

Jul. 3, 2019

156-60-5

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania LONGITUDE: -75.413973

COUNTY: (045) Delaware
CITY: (47344) Marcus Hook
SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

(43838) trans-1,2-Dichloroethylene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

LOCATION SETTING:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR

MONITOR TYPE: SPM
REPORT FOR: 2013

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon

MAO: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

_	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			.00 ND	.00 ND							
11			.00 ND									
12											.00 ND	.00 ND
13									.00 ND	.00 ND		
14 15		.00 ND				.00 ND	.00 ND	.00 ND				
16	.00 ND	.00 ND		.00 ND	.00 ND	.00 ND	.00 ND					
17	.00 ND		.00 ND	.00 ND	.00 ND							
18			.00 ND								.00 ND	.00 ND
19									AF	.00 ND	.00 ND	.00 ND
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			.00 ND	.00 ND							
23			.00 ND									
24											.00 ND	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AF	.00 ND							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	59	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

LAND USE: INDUSTRIAL

LOCATION SETTING:

(045) METROPOLITAN PHILADELPHIA

URBAN AND CENTER CITY

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

156-60-5

Jul. 3, 2019

LATITUDE: 39.818715 SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania -75.413973 LONGITUDE:

COUNTY: (045) Delaware CITY: (47344) Marcus Hook SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

(43838) trans-1,2-Dichloroethylene

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2014 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO MIN DETECTABLE:

(0851) Pennsylvania Department Of Environmental Protection

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND		
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.00 ND			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8									.00 ND	.00 ND		
9 10		.00 ND				.00 ND	0.0 100	.00 ND				
11	.00 ND	.UU ND		.00 ND	AS	.UU ND	.00 ND					
12	.00 ND		.00 ND	.00 ND	CIC							
13			.00 110								.00 ND	.00 ND
14									.00 ND	AS		
15								.00 ND				
16		.00 ND				.00 ND	.00 ND					
17	.00 ND			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	.00 ND
20									.00 ND	.00 ND		
21								AF				
22		.00 ND				.00 ND	.00 ND					
23	.00 ND		.00 ND	.00 ND	AS							
24 25			.00 ND								.00 ND	AS
26									.00 ND	.00 ND	.00 ND	no.
27								.00 ND	.00 ND	.00 ND		
28		AF				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	OBSERVATIONS	54	ANDREAS MESSES	0.000	ANNUAL MAX:	0.00						
AMMUAL	CNDITANAGGO	. 54	ANNUAL MEAN:	0.000	ANNUAL MAX.	0.00						

RAW DATA REPORT Jul. 3, 2019

LATITUDE: 39.818715 SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania LONGITUDE: -75.413973

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

(43838) trans-1,2-Dichloroethylene

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 PROBE HEIGHT:

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

DURATION: 24 HOUR 2015 REPORT FOR:

UNITS: Parts per billion Carbon

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

156-60-5

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
6 7	.00 ND		00 MD	.00 ND	.00 ND							
8			.00 ND								AS	AF
9									AS	.00 ND	AS	Ar
10								.00 ND	AS	.00 ND		
11		.00 ND				AS	.00 ND	.00 112				
12	.00 ND			.00 ND	.00 ND							
13			.00 ND									
14											.00 ND	AF
15									.00 ND	.00 ND		
16								.00 ND				
17		.00 ND				.00 ND	.00 ND					
18	.00 ND			.00 ND	.00 ND							
19			.00 ND									
20											.00 ND	AS
21									.00 ND	.00 ND		
22 23		.00 ND				.00 ND	.00 ND	.00 ND				
24	.00 ND	.00 ND		AF	.00 ND	.00 ND	.00 ND					
25	.00 ND		.00 ND	Ar	.00 ND							
26			.00 ND								AS	.00 ND
27									AS	AS		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			.00 ND									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ΔΝΝΙΤΔΤ	OBSERVATIONS:	48	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						
HIVITOPI	CODERVATIONS.	40	ANNUAL MEAN.	0.000	IMMORD PAA.	0.00						

RAW DATA REPORT Jul. 3, 2019

LATITUDE: 39.818715
STATE: (42) Pennsylvania LONGITUDE: -75.413973

URBAN AND CENTER CITY

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

156-59-2

COUNTY: (4734) METROPOLITAN PHILADELPHIA
CITY: (47344) Marcus Hook
SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

SITE ADDRESS: MARCOS NOOR EDEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

LAND USE: INDUSTRIAL

LOCATION SETTING:

(43839) cis-1,2-Dichloroethene

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM REPORT FOR: 2013

DURATION: 24 HOUR

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon

AO: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			.00 ND	.00 ND							
11 12			.00 ND								00.375	00.375
13									.00 ND	.00 ND	.00 ND	.00 ND
14								.00 ND	.00 ND	.00 ND		
15		.00 ND				.00 ND	.00 ND	.00 ND				
16	.00 ND			.00 ND	.00 ND							
17			.00 ND									
18											.00 ND	.00 ND
19									AF	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			.00 ND	.00 ND							
23			.00 ND									
24											.00 ND	.00 ND
25									.00 ND	.00 ND		
26		0.0 MD				00 ND	00 ND	.00 ND				
27 28	.00 ND	.00 ND		AF	.00 ND	.00 ND	.00 ND					
29	.00 ND		.00 ND	Ar	.00 ND							
30			.00 145								.00 ND	.00 ND
31										.00 ND		
	_	_	_		_	_	_	_	_		_	_
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	L OBSERVATIONS:	59			ANNUAL MAX:	0.00						

RAW DATA REPORT Jul. 3, 2019

CAS NUMBER: 156-59-2 LATITUDE: 39.818715

LONGITUDE:

UTM NORTHING:

UTM EASTING:

UTM ZONE:

-75.413973

COUNTY: (045) Delaware

STATE: (42) Pennsylvania

AQCR: (045) METROPOLITAN PHILADELPHIA

(43839) cis-1,2-Dichloroethene

POC: 2

SITE ID: 42-045-0109

CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

LAND USE: INDUSTRIAL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MONITOR COMMENTS:

MONITOR COMMENTS:

PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM REPORT FOR: 2014

DURATION: 24 HOUR

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon

AO: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND		
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.00 ND			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	AS							
12			.00 ND									
13											.00 ND	.00 ND
14								00	.00 ND	AS		
15 16		.00 ND				.00 ND	.00 ND	.00 ND				
17	.00 ND	.00 ND		.00 ND	.00 ND	.00 ND	.00 ND					
18	.00 ND		.00 ND	.00 ND	.00 ND							
19			.00 ND								.00 ND	.00 ND
20									.00 ND	.00 ND	.00 112	100 112
21								AF				
22		.00 ND				.00 ND	.00 ND					
23	.00 ND			.00 ND	AS							
24			.00 ND									
25											.00 ND	AS
26									.00 ND	.00 ND		
27								.00 ND				
28		AF				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNIJAT.	OBSERVATIONS:	54	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						
THIOTH	. ODDLINALIOND	34	MININUML MEMIN.	0.000	Introduction.	3.00						

(045) METROPOLITAN PHILADELPHIA

Jul. 3, 2019

156-59-2

CAS NUMBER:

UTM ZONE:

LATITUDE: 39.818715 SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania LONGITUDE: -75.413973

COUNTY: (045) Delaware CITY: (47344) Marcus Hook SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

(43839) cis-1,2-Dichloroethene

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2015 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5 6	00.175	AF		00.175	00.370	.00 ND	.00 ND					
7	.00 ND		.00 ND	.00 ND	.00 ND							
8			.00 ND								AS	AF
9									AS	.00 ND	AU	AL
10								.00 ND				
11		.00 ND				AS	.00 ND					
12	.00 ND			.00 ND	.00 ND							
13			.00 ND									
14											.00 ND	AF
15									.00 ND	.00 ND		
16								.00 ND				
17 18	.00 ND	.00 ND		.00 ND	.00 ND	.00 ND	.00 ND					
19	.00 ND		.00 ND	.00 ND	.00 ND							
20			.00 ND								.00 ND	AS
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				.00 ND	.00 ND					
24	.00 ND			AF	.00 ND							
25			.00 ND									
26											AS	.00 ND
27								00 277	AS	AS		
28 29						.00 ND	.00 ND	.00 ND				
30	.00 ND			.00 ND	.00 ND	.00 ND	.00 ND					
31	.00 112		.00 ND	.00 112	.00 112							
	-	2		4	-		-	_	2	2	2	0
NO.: MAX:	5 0.00	0.00	6 0.00	0.00	5 0.00	0.00	5 0.00	5 0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
							0.000	0.000	0.000	0.000	0.000	0.000
ANNUAI	OBSERVATIONS:	48	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

Jul. 3, 2019

CAS NUMBER: 106-93-4 LATITUDE: 39.818715 -75.413973

LONGITUDE:

UTM ZONE:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware (045) METROPOLITAN PHILADELPHIA CITY: (47344) Marcus Hook

(43843) Ethylene dibromide

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2013 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY I	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			.00 ND	.00 ND							
11			.00 ND									
12											.00 ND	.00 ND
13									.00 ND	.00 ND		
14								.00 ND				
15	00.170	.00 ND		00.175	00.370	.00 ND	.00 ND					
16 17	.00 ND		.00 ND	.00 ND	.00 ND							
18			.00 ND								.00 ND	.00 ND
19									AF	.00 ND	.00 ND	.00 ND
20								.00 ND		.00 112		
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			.00 ND	.00 ND							
23			.00 ND									
24											.00 ND	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AF	.00 ND							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	59	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

Jul. 3, 2019

LATITUDE: 39.818715 STATE: (42) Pennsylvania LONGITUDE: -75.413973

CAS NUMBER:

UTM ZONE:

DURATION: 24 HOUR

UTM NORTHING:

UTM EASTING:

106-93-4

COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 PROBE HEIGHT:

MONITOR COMMENTS:

SITE ID: 42-045-0109

CITY: (47344) Marcus Hook

(43843) Ethylene dibromide

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

POC: 2

MONITOR TYPE: SPM

REPORT FOR: 2014 UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND		
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.00 ND			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8 9								0.0 MD	.00 ND	.00 ND		
10		.00 ND				.00 ND	.00 ND	.00 ND				
11	.00 ND	.00 ND		.00 ND	AS	.00 ND	.00 ND					
12	.00 112		.00 ND	.00 112	110							
13											.00 ND	.00 ND
14									.00 ND	AS		
15								.00 ND				
16		.00 ND				.00 ND	.00 ND					
17	.00 ND			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	.00 ND
20									.00 ND	.00 ND		
21								AF				
22		.00 ND				.00 ND	.00 ND					
23	.00 ND		00.375	.00 ND	AS							
24 25			.00 ND								.00 ND	AS
26									.00 ND	.00 ND	.00 ND	AS
27								.00 ND	.00 ND	.00 ND		
28		AF				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAI	OBSERVATIONS	: 54	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

(045) METROPOLITAN PHILADELPHIA

URBAN AND CENTER CITY

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING:

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

106-93-4

RAW DATA REPORT Jul. 3, 2019

LATITUDE: 39.818715 SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania -75.413973 LONGITUDE: COUNTY: (045) Delaware

CITY: (47344) Marcus Hook SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT MONITOR COMMENTS:

(43843) Ethylene dibromide

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2015 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY I	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											AS	AF
9									AS	.00 ND		
10 11		.00 ND				AS	.00 ND	.00 ND				
12	.00 ND	.00 ND		.00 ND	.00 ND	AS	.00 ND					
13	.00 ND		.00 ND	.00 ND	.00 ND							
14			.00 112								.00 ND	AF
15									.00 ND	.00 ND		
16								.00 ND				
17		.00 ND				.00 ND	.00 ND					
18	.00 ND			.00 ND	.00 ND							
19			.00 ND									
20											.00 ND	AS
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				.00 ND	.00 ND					
24 25	.00 ND		.00 ND	AF	.00 ND							
25 26			.00 ND								AS	.00 ND
27									AS	AS	AS	.00 ND
28								.00 ND	110	110		
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			.00 ND									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAI	C OBSERVATIONS:	48	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

RAW DATA REPORT Jul. 3, 2019

> LATITUDE: 39.818715 -75.413973 LONGITUDE:

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

87-68-3

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(43844) Hexachlorobutadiene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

CITY: (47344) Marcus Hook

MONTELL

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2013

MONITOR TYPE: SPM REPORT FOR: UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			.00 ND	.00 ND							
11			.00 ND									
12											.00 ND	.00 ND
13									.31 SQ	.00 ND		
14								.00 ND				
15		.00 ND				.00 ND	.00 ND					
16	.00 ND			.00 ND	.00 ND							
17			.00 ND								00.375	00.375
18									AF	.00 ND	.00 ND	.00 ND
19 20								.00 ND	Ar	.00 ND		
21		.00 ND				.00 ND	.00 ND	.00 ND				
22	.00 ND	.00 ND		.00 ND	.00 ND	.00 ND	.00 ND					
23	.00 ND		.00 ND	.00 ND	.00 ND							
24			.00 112								.00 ND	.00 ND
25									.00 ND	.00 ND	.00 112	.00 112
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AF	.00 ND							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.31	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.078	0.000	0.000	0.000
								2.200			2.200	
ANNUAL	OBSERVATIONS:	59	ANNUAL MEAN:	.005	ANNUAL MAX:	.31						

RAW DATA REPORT Jul. 3, 2019

CAS NUMBER: 87-68-3
LATITUDE: 39.818715

-75.413973

LONGITUDE:

UTM NORTHING:

UTM EASTING:

UTM ZONE:

(43844) Hexachlorobutadiene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

CITY: (47344) Marcus Hook

AQCR: (045) METROPOLITAN PHILADELPHIA
URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL
LOCATION SETTING: URBAN AND CENTER CITY

LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0

MONITOR COMMENTS:

PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM REPORT FOR: 2014

DURATION: 24 HOUR

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon

NAO: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND		
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.00 ND			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	AS							
12			.00 ND									00 M
13 14									.00 ND	AS	.00 ND	.00 ND
15								.00 ND	.00 UN	AD		
16		.00 ND				.00 ND	.00 ND	.00 ND				
17	.00 ND	.00 145		.00 ND	.00 ND	.00 140	110					
18			.00 ND									
19											.00 ND	.00 ND
20									.00 ND	.00 ND		
21								AF				
22		.00 ND				.00 ND	.00 ND					
23	.00 ND			.00 ND	AS							
24			.00 ND									
25											.00 ND	AS
26									.00 ND	.00 ND		
27								.00 ND				
28	0.0 MT	AF		0.0 275	00 ME	.00 ND	.00 ND					
29	.00 ND		7 E	.00 ND	.00 ND							
30 31			AF									.00 ND
31												.UU ND
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUA	L OBSERVATIONS	54	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

(045) METROPOLITAN PHILADELPHIA

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

87-68-3

RAW DATA REPORT Jul. 3, 2019

LATITUDE: 39.818715 SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania -75.413973 LONGITUDE:

COUNTY: (045) Delaware CITY: (47344) Marcus Hook SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

(43844) Hexachlorobutadiene

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2015 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY I	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											AS	AF
9									AS	.00 ND		
10								.00 ND				
11		.00 ND				AS	.00 ND					
12	.00 ND			.00 ND	.00 ND							
13			.00 ND									
14									00 277	00.370	.00 ND	AF
15 16								.00 ND	.00 ND	.00 ND		
17		.00 ND				.00 ND	.00 ND	.00 ND				
18	.00 ND	.00 ND		.00 ND	.00 ND	.00 ND	.00 ND					
19	.00 ND		.00 ND	.00 ND	.00 ND							
20			.00 112								.00 ND	AS
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				.00 ND	.00 ND					
24	.00 ND			AF	.00 ND							
25			.00 ND									
26											AS	.00 ND
27									AS	AS		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			.00 ND									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	48	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

(045) METROPOLITAN PHILADELPHIA

URBAN AND CENTER CITY

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING:

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

1320-37-2

RAW DATA REPORT Jul. 3, 2019

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania LONGITUDE: -75.413973

COUNTY: (045) Delaware
CITY: (47344) Marcus Hook
SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

(43852) Dichlorotetrafluoroethane

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT
MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM REPORT FOR: 2013

DURATION: 24 HOUR

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon

O: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.000 ND	.000 ND		
2								.000 ND				
3		.000 ND				.000 ND	.000 ND					
4	.000 ND			.000 ND	.000 ND							
5			.000 ND									
6											.534	.000 ND
7									.000 ND	.000 ND		
8								.000 ND				
9		.000 ND				.000 ND	.000 ND					
10	.000 ND			.000 ND	.000 ND							
11			.000 ND									
12											.046 SQ	.000 ND
13									.000 ND	.000 ND		
14								.000 ND				
15		.000 ND				.000 ND	.000 ND					
16	.000 ND			.000 ND	.000 ND							
17			.000 ND									
18											.000 ND	.000 ND
19									AF	.000 ND		
20		000 177				000 177	000 277	.000 ND				
21 22	000 177	.000 ND		.000 ND	000 177	.000 ND	.000 ND					
22	.000 ND		.000 ND	.000 ND	.000 ND							
23			.000 ND								.000 ND	.000 ND
25									.000 ND	.000 ND	.000 ND	.000 ND
26								.000 ND	.000 ND	.000 ND		
27		.000 ND				.000 ND	.000 ND	.000 142				
28	.000 ND	.000 142		AF	.000 ND	.000 ND	.000 145					
29			.000 ND									
30											.000 ND	.000 ND
31										.000 ND		
	_	_				_	_	_	_		_	_
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.534	0.000
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.1160	0.0000
ANNUAL	OBSERVATIONS:	59	ANNUAL MEAN:	.0098	ANNUAL MAX:	.534						

(045) METROPOLITAN PHILADELPHIA

URBAN AND CENTER CITY

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING:

RAW DATA REPORT Jul. 3, 2019

LATITUDE: 39.818715 SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania LONGITUDE: -75.413973

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

(43852) Dichlorotetrafluoroethane

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2014 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon

MIN DETECTABLE:

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

1320-37-2

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.000 ND	.000 ND
2									.000 ND	.000 ND		
3								.000 ND				
4		.000 ND				.000 ND	.000 ND					
5	.111 QX			.000 ND	.000 ND							
6			.000 ND									
7											.000 ND	.000 ND
8									.000 ND	.000 ND		
9								.000 ND				
10		.000 ND				.000 ND	.000 ND					
11	.000 ND		000	.000 ND	AS							
12 13			.000 ND								.000 ND	000 मा
13									.000 ND	AS	.UUU UUU.	.000 ND
15								.000 ND	.000 ND	AD		
16		.000 ND				.000 ND	.000 ND	.000 ND				
17	.000 ND	.000 ND		.000 ND	.000 ND	.000 110						
18			.000 ND									
19											.000 ND	.000 ND
20									.000 ND	.000 ND		
21								AF				
22		.000 ND				.000 ND	.000 ND					
23	.000 ND			.000 ND	AS							
24			.000 ND									
25											.000 ND	AS
26									.000 ND	.000 ND		
27								.000 ND				
28		AF				.000 ND	.000 ND					
29	.000 ND		3.17	.000 ND	.000 ND							
30 31			AF									.000 ND
31												.UUU UUU.
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	.0222	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAL	OBSERVATIONS	54	ANNUAL MEAN:	.0021	ANNUAL MAX:	.111						

AQCR: (045) METROPOLITAN PHILADELPHIA

LAND USE: INDUSTRIAL

LOCATION SETTING:

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

URBAN AND CENTER CITY

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

UNITS: Parts per billion Carbon

ELEVATION-MSL: 0

1320-37-2

RAW DATA REPORT Jul. 3, 2019

LATITUDE: 39.818715 SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania LONGITUDE: -75.413973

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

(43852) Dichlorotetrafluoroethane

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

DURATION: 24 HOUR REPORT FOR: 2015

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.000 ND									
2											.000 ND	.000 ND
3									.000 ND	AS		
4								.000 ND				
5		AF				.000 ND	.000 ND					
6	.000 ND			.000 ND	.000 ND							
7			.000 ND									
8											AS	AF
9									AS	.000 ND		
10								.000 ND				
11		.000 ND				AS	.000 ND					
12	.000 ND			.000 ND	.000 ND							
13			.000 ND									
14											.000 ND	AF
15									.000 ND	.000 ND		
16								.000 ND				
17		.000 ND				.000 ND	.000 ND					
18	.000 ND			.000 ND	.000 ND							
19			.000 ND									
20											.000 ND	AS
21									.000 ND	.000 ND		
22								.000 ND				
23		.000 ND				.000 ND	.000 ND					
24	.000 ND			AF	.000 ND							
25			.000 ND								3.0	000 177
26									AS	3.0	AS	.000 ND
27								000 MD	AS	AS		
28 29						.000 ND	.000 ND	.000 ND				
30	.000 ND			.000 ND	.000 ND	.000 ND	.000 ND					
31	.000 ND		.000 ND	.000 ND	.000 ND							
31												
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAI	L OBSERVATIONS	48	ANNUAL MEAN:	0.0000	ANNUAL MAX:	0.000						

RAW DATA REPORT Jul. 3, 2019

> LATITUDE: 39.818715 STATE: (42) Pennsylvania -75.413973 LONGITUDE:

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

75-01-4

COUNTY: (045) Delaware

(43860) Vinyl chloride

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

POC: 2

SITE ID: 42-045-0109

CITY: (47344) Marcus Hook

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2013 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY I	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.20 SQ					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.11 CC	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.23 SQ					
10	.00 ND			.00 ND	.00 ND							
11			.00 ND									
12											.00 ND	.00 ND
13									.00 ND	.00 ND		
14								.00 ND				
15		.00 ND				.00 ND	.00 ND					
16	.00 ND			.00 ND	.00 ND							
17			.00 ND								.12 CC	0.0 ND
18 19									AF	.00 ND	.12 00	.00 ND
20								.00 ND	Ar	.00 ND		
21		.00 ND				.00 ND	.00 ND	.00 ND				
22	.00 ND	.00 142		.00 ND	.00 ND	.00 142	.00 ND					
23			.00 ND									
24											.00 ND	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AF	.00 ND							
29			.00 ND									
30											.00 ND	.00 ND
31										.13 CC		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	. 23	0.00	0.00	.13	.12	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	.086	0.000	0.000	.022	.046	0.000
	OBSERVATIONS:	59	ANNUAL MEAN:		ANNUAL MAX:	.23						

RAW DATA REPORT Jul. 3, 2019

CAS NUMBER: 75-01-4

LATITUDE: 39.818715

STATE: (42) Pennsylvania LONGITUDE: -75.413973

UTM ZONE:

UTM NORTHING:

UTM EASTING:

COUNTY: (045) Delaware STATE: (42) Pennsylvania

(43860) Vinyl chloride

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

POC: 2

SITE ID: 42-045-0109

CITY: (47344) Marcus Hook

AQCR: (045) METROPOLITAN PHILADELPHIA
URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY

LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0

MONITOR COMMENTS:

LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0

PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM REPORT FOR: 2014

DURATION: 24 HOUR

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon

AO: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND		
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.23 QX			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	AS							
12			.00 ND								0.0 377	00 MD
13 14									.00 ND	AS	.00 ND	.00 ND
15								.00 ND	.00 ND	Ab		
16		.00 ND				.00 ND	.00 ND	.00 ND				
17	.00 ND			.00 ND	.00 ND							
18			.00 ND									
19											.07 SQ	.00 ND
20									.00 ND	.00 ND		
21								AF				
22		.00 ND				.00 ND	.37					
23	.00 ND			.00 ND	AS							
24			.00 ND									
25											.00 ND	AS
26								0.0 277	.00 ND	.00 ND		
27 28		AF				.00 ND	0.0 100	.00 ND				
28 29	.00 ND	Mr		.00 ND	.00 ND	.UU ND	.00 ND					
30	.00 ND		AF	.00 ND	.00 ND							
31			ru.									.00 ND
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	.23	0.00	0.00	0.00	0.00	0.00	.37	0.00	0.00	0.00	.07	0.00
MEAN:	.046	0.000	0.000	0.000	0.000	0.000	.074	0.000	0.000	0.000	.014	0.000
ANNUAI	OBSERVATIONS:	54	ANNUAL MEAN:	.012	ANNUAL MAX:	.37						

2015

Jul. 3, 2019

CAS NUMBER: 75-01-4 LATITUDE: 39.818715 -75.413973 LONGITUDE:

UTM ZONE:

DURATION: 24 HOUR

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware (045) METROPOLITAN PHILADELPHIA CITY: (47344) Marcus Hook

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: LAND USE: INDUSTRIAL UTM EASTING: URBAN AND CENTER CITY

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: MONITOR COMMENTS:

ELEVATION-MSL: 0 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

(43860) Vinyl chloride

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

MONITOR TYPE: SPM

REPORT FOR: UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5 6	.00 ND	AF		.13 SQ	.00 ND	.00 ND	.00 ND					
7	.00 ND		.00 ND	.13 50	.00 ND							
8			.00 ND								AS	AF
9									AS	.26	110	***
10								.00 ND				
11		.00 ND				AS	.00 ND					
12	.19 SQ			.00 ND	.00 ND							
13			.00 ND									
14											.00 ND	AF
15									.00 ND	.00 ND		
16								.00 ND				
17	00.170	.00 ND		00.175	0.0 1770	.00 ND	.00 ND					
18 19	.00 ND		.00 ND	.00 ND	.00 ND							
20			.00 ND								.00 ND	AS
21									.00 ND	.20 CC	.00 112	110
22								.00 ND				
23		.00 ND				.00 ND	.00 ND					
24	.00 ND			AF	.17 SQ							
25			.00 ND									
26											AS	.00 ND
27									AS	AS		
28								.00 ND				
29	00.170			00.175	0.0 1770	.00 ND	.00 ND					
30 31	.00 ND		.00 ND	.00 ND	.00 ND							
31												
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	.19	0.00	0.00	.13	.17	0.00	0.00	0.00	0.00	. 26	0.00	0.00
MEAN:	.038	0.000	0.000	.033	.034	0.000	0.000	0.000	0.000	.153	0.000	0.000
ANNUA	L OBSERVATIONS:	48	ANNUAL MEAN:	.020	ANNUAL MAX:	.26						

Jul. 3, 2019

SITE ID: 42-045-0109 POC: 2

(45109) m/p Xylene

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

STATE: (42) Pennsylvania

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY

LATITUDE: 39.818715 -75.413973 LONGITUDE: UTM ZONE: UTM NORTHING: UTM EASTING: ELEVATION-MSL: 0 PROBE HEIGHT:

CAS NUMBER:

DURATION: 24 HOUR 2013 REPORT FOR:

UNITS: Parts per billion Carbon

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	2.89		
2								1.78				
3		.85 SQ				1.55	.00 ND					
4	1.15 SQ			.66 SQ	1.77							
5			.92 SQ									
6											.74 SQ	.94 SQ
7									1.69	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	1.06 SQ			2.21	2.10							
11			.00 ND									
12											.38 SQ	.64 SQ
13									.89 SQ	1.62		
14		1.04				70 70	1.02	.82 SQ				
15 16	2.10	1.04		.00 ND	3.92 5	.79 SQ	1.02					
17	2.10		.00 ND	.00 ND	3.92 3							
18			.00 ND								.39 SQ	.60 SQ
19									AF	2.18	.35 00	.00 00
20								1.88				
21		.00 ND				.00 ND	1.04					
22	.00 ND			.89 SQ	.70 SQ							
23			.00 ND									
24											.00 ND	.00 ND
25									1.47	.77 SQ		
26								.83 SQ				
27		1.64				.91 SQ	.00 ND					
28	1.38 SQ			AF	2.06							
29			1.03									
30											.49 SQ	.54 SQ
31										1.28 SQ		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	2.10	1.64	1.03	2.21	3.92	1.55	1.04	1.88	1.69	2.89	.74	.94
MEAN:	1.138	.706	.390	.940	2.110	.650	.412	1.062	1.013	1.457	.400	.544
ANNUAL	OBSERVATIONS	: 59	ANNUAL MEAN:	.909	ANNUAL MAX:	3.92						

RAW DATA REPORT Jul. 3, 2019

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING:

(45109) m/p Xylene

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

PROBE HEIGHT:

DURATION: 24 HOUR 2014 REPORT FOR: UNITS: Parts per billion Carbon

URBAN AND CENTER CITY

MIN DETECTABLE:

CAS NUMBER: LATITUDE:

LONGITUDE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 0

UTM ZONE:

39.818715

-75.413973

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.56 SQ	55.45 5
2									3.68	1.88 SQ		
3								1.73 SQ				
4		.91 SQ				.89 SQ	.85 SQ					
5	2.89 QX			.63 SQ	.77 SQ							
6			.89 SQ									
7											.84 SQ	15.14 5
8									2.96	1.09 SQ		
9								3.11				
10		.00 ND				1.28 SQ	2.43 SQ					
11	4.03 5			26.16 5	AS							
12			4.75 5									
13											.57 SQ	6.82 5
14									.75 SQ	AS		
15								1.95				
16		.00 ND				1.37 SQ	2.01 SQ					
17	2.22			1.14 SQ	.66 SQ							
18			1.61 SQ									
19									E 00 E	1 04 00	.00 ND	4.54 5
20								3.5	7.82 5	1.84 SQ		
21 22		7.51 5				1.66 SQ	2.12 SQ	AF				
23	.00 ND	7.51 5		.00 ND	AS	1.00 SQ	2.12 SQ					
24	.UU UU.		.52 SQ	.00 ND	AD							
25			.52 bQ								18.03 5	AS
26									1.37 SQ	.87 SQ	10.03 3	AD
27								3.13	1.57 50	.07 50		
28		AF				1.13 SQ	1.99 SQ	2.12				
29	.98 SQ	-		.62 SQ	.86 SQ	22	52					
30			AF									
31												2.44
	_			-		-	-		_	,	_	
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	4.03	7.51	4.75	26.16	.86	1.66	2.43	3.13	7.82	1.88	18.03	55.45
MEAN:	2.024	2.105	1.943	5.710	.763	1.266	1.880	2.480	3.316	1.420	4.000	16.878
ANNUAL	OBSERVATIONS	: 54	ANNUAL MEAN:	3.879	ANNUAL MAX:	55.45						

Jul. 3, 2019

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

(45109) m/p Xylene

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

(045) METROPOLITAN PHILADELPHIA UTM ZONE: URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: LAND USE: INDUSTRIAL UTM EASTING: LOCATION SETTING: URBAN AND CENTER CITY

ELEVATION-MSL: 0 PROBE HEIGHT:

39.818715

-75.413973

CAS NUMBER: LATITUDE:

LONGITUDE:

DURATION: 24 HOUR 2015 REPORT FOR:

UNITS: Parts per billion Carbon

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			1.14 SQ									
2											5.68 5	4.88 5
3									1.76 SQ	AS		
4								1.28 SQ				
5		AF				1.92	.98 SQ					
6	1.71 SQ		00.00	1.20 SQ	2.16							
7 8			.98 SQ								AS	AF
9									AS	2.40	AS	AF
10								.88 SQ	AD	2.40		
11		1.70 SQ				AS	.63 SQ	.00 50				
12	3.19			.78 SQ	1.84 SQ							
13			.46 SQ									
14											.60 SQ	AF
15									1.28 SQ	.67 SQ		
16								1.36 SQ				
17		1.20 SQ				1.04 SQ	.60 SQ					
18	5.78 5			2.16	4.64 5							
19			.77 SQ									
20											1.12 SQ	AS
21								60. 60	1.36 SQ	4.00 5		
22 23		.42 SQ				1.12 SQ	.88 SQ	.60 SQ				
24	1.85 SQ	.42 50		AF	1.52 SQ	1.12 50	.00 SQ					
25	1.03 50		1.76 SQ	PII.	1.32 50							
26											AS	.64 SQ
27									AS	AS		_
28								1.36 SQ				
29						.96 SQ	.96 SQ					
30	.97 SQ			.00 ND	.58 SQ							
31			.80 SQ									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	5.78	1.70	1.76	2.16	4.64	1.92	.98	1.36	1.76	4.00	5.68	4.88
MEAN:	2.700	1.107	.985	1.035	2.148	1.260	.810	1.096	1.467	2.357	2.467	2.760
ANNUAL	OBSERVATIONS:	48	ANNUAL MEAN:	1.595	ANNUAL MAX:	5.78						

Jul. 3, 2019

CAS NUMBER: 71-43-2 LATITUDE: 39.818715 -75.413973 LONGITUDE:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 PROBE HEIGHT:

MONITOR COMMENTS:

(45201) Benzene

CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2013 REPORT FOR:

UNITS: Parts per billion Carbon

UTM ZONE:

UTM NORTHING:

UTM EASTING:

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.492 SQ	1.926		
2								2.286				
3		2.520				1.896	.624 SQ					
4	7.080 5			1.344	1.470							
5			1.902									
6											1.464	1.524
7									1.518	.624 SQ		
8								.528 SQ				
9		1.512				.786	1.038					
10	2.610			4.122	1.956							
11			1.056									
12											.966	2.862
13									.858	1.176		
14		4 000 -				706		.576 SQ				
15	5 404 5	4.302 5		1 050	0 706	.726	1.050					
16	5.484 5		1 416	1.278	2.796							
17			1.416								0.40	2 100
18 19									AF	2.100	.942	3.120
20								2.328	AF	2.100		
21		1.356				1.086	1.110	2.320				
22	1.074	1.330		1.290	1.644	1.000	1.110					
23	1.0/4		1.074	1.290	1.011							
24			1.0/4								.618 SQ	1.025
25									1.146	1.746	.010 00	1.025
26								1.284	1.110	110		
27		24.936 5				1.236	.750	1.201				
28	4.752 5			AF	2.532							
29			1.422									
30											1.554	4.415 5
31										2.268		
	_		_		_			_				
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	7.080	24.936	1.902	4.122	2.796	1.896	1.110	2.328	1.518	2.268	1.554	4.415
MEAN:	4.2000	6.9252	1.3740	2.0085	2.0796	1.1460	.9144	1.4004	1.0035	1.6400	1.1088	2.5892
ANNUAI	L OBSERVATION	S: 59	ANNUAL MEAN:	2.2132	ANNUAL MAX:	24.936						

(045) METROPOLITAN PHILADELPHIA

Jul. 3, 2019

UTM ZONE:

(45201) Benzene CAS NUMBER: 71-43-2

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania LONGITUDE: -75.413973 COUNTY: (045) Delaware

CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODDR COMPLAINT

MONITOR COMMENTS:

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY

PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM REPORT FOR: 2014

DURATION: 24 HOUR

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon

O: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

1 2110			01 211111								5212	
-	MONTH							1110110m	annem men	ogmonen.		D. 10
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.591 SQ	1.850
2									1.714	1.094		
3							400	1.292				
4	6 010 5	5.965 5		966	77.0	.755	.420 SQ					
5 6	6.818 5		2.264	.866	.739							
7			2.204								.844	.875
8									1.543	.855	.011	.075
9								1.555				
10		2.071				2.416	1.138					
11	6.320 5			7.052 5	AS							
12			4.075									
13											1.003	1.060
14									.661 SQ	AS		
15		4 055					0.50	1.027 CC				
16	2 624	1.355		1 245	0.00	1.303	.963					
17 18	2.634		8.997 5	1.245	.808							
19			0.77/ 3								.912	1.198
20									2.035	1.452	.222	1.170
21								AF				
22		6.521 5				.916	1.181					
23	1.435			.953	AS							
24			1.113									
25											1.826	AS
26								4 505	.867	1.108		
27		3.0				0 000 5	1 110	1.507				
28 29	3.242	AF		1.491	1.703	8.998 5	1.112					
30	3.242		AF	1.491	1.703							
31			***									1.954
	_		_			_			_			
NO.:	5	4	4	7 052	1 703	5	5 1.181	1 555	5	1 452	1 926	1 054
MAX: MEAN:	6.818 4.0898	6.521 3.9780	8.997 4.1123	7.052 2.3214	1.703 1.0833	8.998 2.8776	.9628	1.555 1.3453	2.035 1.3640	1.452 1.1273	1.826 1.0352	1.954 1.3874
							. 3020	1.3733	1.3040	1.12/3	1.0332	1.30/4
ANNUA	L OBSERVATIONS	54	ANNUAL MEAN:	2.1424	ANNUAL MAX:	8.998						

Jul. 3, 2019

CAS NUMBER: 71-43-2 LATITUDE: 39.818715 -75.413973 LONGITUDE:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY UTM NORTHING: UTM EASTING: ELEVATION-MSL: 0 PROBE HEIGHT:

UTM ZONE:

UNITS: Parts per billion Carbon

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

MONITOR COMMENTS:

(45201) Benzene

CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2015 REPORT FOR:

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			1.975									
2											2.880	4.800 5
3									1.620	AS		
4								.960				
5	4 500	AF				1.080	1.200					
6 7	1.533		2.047	4.860 5	1.260							
8			2.047								AS	AF
9									AS	.960	AS	Ar
10								.600 SQ	no	.,,,,		
11		2.095				AS	.960	.000 00				
12	2.683			2.220	2.280	-						
13			1.606									
14											1.080 CC	AF
15									.900	.840		
16								1.380				
17		2.344				.780	.960					
18	4.579 5			2.880	2.520							
19			1.288									
20											1.260	AS
21									.900	3.540		
22		1 007				2.660	700	.600 SQ				
23	2.222	1.087		AF	3.660	3.660	.720					
24 25	2.222		2.100	Ar	3.000							
25 26			2.100								AS	1.140
27									AS	AS	AU	1.110
28								.900				
29						1.602	.960					
30	1.433			.600 SQ	.354 SQ							
31			1.320									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	4.579	2.344	2.100	4.860	3.660	3.660	1.200	1.380	1.620	3.540	2.880	4.800
MEAN:	2.4900	1.8420	1.7227	2.6400	2.0148	1.7805	.9600	.8880	1.1400	1.7800	1.7400	2.9700
ANNUA	L OBSERVATIONS	: 48	ANNUAL MEAN:	1.7756	ANNUAL MAX:	4.860						

CAS NUMBER: 108-88-3
LATITUDE: 39.818715
LONGITUDE: -75.413973

Jul. 3, 2019

SITE ID: 42-045-0109 POC: 2

COUNTY: (045) Delaware

STATE: (42) Pennsylvania

AQCR: (045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY

UTM NORTHING:
UTM EASTING:
ELEVATION-MSL: 0
PROBE HEIGHT:

UTM ZONE:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

MONITOR COMMENTS:

(45202) Toluene

CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013 DURATION: 24 HOUR

UNITS: Parts per billion Carbon

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									2.09	6.62		
2								7.41				
3		2.99				5.45	1.97					
4	7.08			2.31	4.09							
5			2.61									
6											2.91	4.23
7									3.65	1.48		
8								1.43 CC				
9		1.39				1.84	3.12					
10	3.01			8.13	10.91 5							
11			2.20								1 55	4 40
12 13									2.89	2.66	1.55	4.42
13								1.96	2.09	2.00		
15		4.81				2.66	4.31	1.70				
16	5.70	7.01		1.68	11.96 5	2.00	7.31					
17	5.70		1.75	1.00	11.70 3							
18			1.73								1.84	3.28
19									AF	8.57		
20								5.11				
21		2.11				1.18	3.58					
22	1.06			1.93	2.39							
23			1.97									
24											.59 SQ	1.16
25									4.71	3.21		
26								2.67				
27		4.06				3.63	1.91					
28	4.91			AF	7.68							
29			2.55									
30											1.74	3.06
31										5.29		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	7.08	4.81	2.61	8.13	11.96	5.45	4.31	7.41	4.71	8.57	2.91	4.42
MEAN:	4.352	3.072	2.216	3.513	7.406	2.952	2.978	3.716	3.335	4.638	1.726	3.230
ANNUAL	OBSERVATIONS:	59	ANNUAL MEAN:	3.618	ANNUAL MAX:	11.96						

(45202) Toluene CAS NUMBER: 108-88-3

SITE ID: 42-045-0109 COUNTY: (045) Delaware CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

POC: 2

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

STATE: (42) Pennsylvania LONGITUDE: (045) METROPOLITAN PHILADELPHIA UTM ZONE: URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: LAND USE: INDUSTRIAL UTM EASTING: LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0

DURATION: 24 HOUR 2014 REPORT FOR:

UNITS: Parts per billion Carbon

LATITUDE:

PROBE HEIGHT:

Jul. 3, 2019

39.818715

-75.413973

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											1.26	4.69
2									67.36 5	3.96		
3								2.90				
4		3.83				3.08	1.37					
5	9.00 5			1.60	3.24							
6			2.55									
7											2.24	1.64
8									4.79	3.70		
9								9.52 5				
10		2.09		F		5.33	3.46					
11	12.99 5		11 24 5	56.38 5	AS							
12 13			11.34 5								2.44	1.54
14									1.70	AS	2.77	1.54
15								2.65	1.70	AD.		
16		1.47				4.69	3.60	2.03				
17	8.37	=		2.23	2.44							
18			3.69									
19											1.41	2.11
20									8.62	3.90		
21								AF				
22		12.09 5				2.82	2.83					
23	2.12			1.72	AS							
24			1.85									
25											5.51	AS
26									3.33	4.54		
27								5.27				
28	F 60	AF		0.40	0.01	2.58	6.56					
29	5.68		3.0	2.48	2.81							
30			AF									3.72
31												
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	12.99	12.09	11.34	56.38	3.24	5.33	6.56	9.52	67.36	4.54	5.51	4.69
MEAN:	7.632	4.870	4.858	12.882	2.830	3.700	3.564	5.085	17.160	4.025	2.572	2.740
ANNUA	L OBSERVATIONS	: 54	ANNUAL MEAN:	6.205	ANNUAL MAX:	67.36						

CAS NUMBER:

108-88-3

Jul. 3, 2019

LATITUDE: 39.818715 SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania -75.413973 LONGITUDE: COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA UTM ZONE: CITY: (47344) Marcus Hook URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2015

MONITOR TYPE: SPM REPORT FOR: UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

_	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			4.04									
2											10.50 5	18.20 5
3									6.37	AS		
4								4.37				
5		AF				4.27	2.43					
6	2.07			7.70	3.71							
7			6.76									
8											AS	AF
9								1 60	AS	2.45 CC		
10 11		2.80				AS	2.24	1.68				
12	4.65	2.80		3.43	5.39	AS	2.24					
13	7.05		1.47	3.43	٠. ٥٠							
14			1.17								2.38	AF
15									3.01	2.03		
16								4.34				
17		2.92				1.96	2.03					
18	7.60			8.40	7.00							
19			2.17									
20											3.08	AS
21									1.96	8.40		
22								1.82				
23		1.18				3.08	2.59					
24	3.42			AF	3.64							
25			7.00									
26											AS	2.38
27									AS	AS		
28						2 42	0.04	3.71				
29	1 00			0.0	01	3.43	2.94					
30	1.90		4 00	.98	.91							
31			4.90									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	7.60	2.92	7.00	8.40	7.00	4.27	2.94	4.37	6.37	8.40	10.50	18.20
MEAN:	3.928	2.300	4.390	5.128	4.130	3.185	2.446	3.184	3.780	4.293	5.320	10.290
ANNUAL	OBSERVATIONS:	48	ANNUAL MEAN:	4.077	ANNUAL MAX:	18.20						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(45202) Toluene

Jul. 3, 2019

CAS NUMBER: 100-41-4 LATITUDE: 39.818715 LONGITUDE: -75.413973

UTM ZONE:

PROBE HEIGHT:

STATE: (42) Pennsylvania COUNTY: (045) Delaware (045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0

MONITOR COMMENTS:

POC: 2

(45203) Ethylbenzene

SITE ID: 42-045-0109

CITY: (47344) Marcus Hook

MONTELL

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR MONITOR TYPE: SPM 2013 REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO MIN DETECTABLE:

(0851) Pennsylvania Department Of Environmental Protection

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.75 SQ		
2								.46 SQ				
3		.38 SQ				.44 SQ	.00 ND					
4	.36 SQ			.00 ND	.55 SQ							
5			.32 SQ									
6											.22 SQ	.30 SQ
7									.39 SQ	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.41 SQ			.50 SQ	.59 SQ							
11			.00 ND									
12											.00 ND	.25 SQ
13								00.375	.00 ND	.39 SQ		
14 15		.39 SQ				.00 ND	.00 ND	.00 ND				
16	.62 SQ	.39 SQ		.00 ND	.94 SQ	.00 ND	.00 ND					
17	.02 SQ		.00 ND	.00 ND	.94 30							
18			.00 ND								.00 ND	.25 SQ
19									AF	.75 SQ	.00 ND	.25 50
20								.51 SQ	***	.75 50		
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			.00 ND	.00 ND							
23			.00 ND									
24											.00 ND	.00 ND
25									.46 SQ	.00 ND		
26								.00 ND				
27		.47 SQ				.00 ND	.00 ND					
28	.58 SQ			AF	.58 SQ							
29			.32 SQ									
30											.20 SQ	.19 SQ
31										.41 SQ		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	.62	.47	.32	.50	.94	.44	0.00	.51	.46	.75	.22	.30
MEAN:	.394	.248	.128	.125	.532	.088	0.000	.194	.213	.383	.084	.198
ANNUA	L OBSERVATIONS	59	ANNUAL MEAN:	.220	ANNUAL MAX:	.94						

RAW DATA REPORT Jul. 3, 2019

> CAS NUMBER: 100-41-4 LATITUDE: 39.818715 -75.413973 LONGITUDE:

> > UTM ZONE:

UTM NORTHING:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(45203) Ethylbenzene

(045) METROPOLITAN PHILADELPHIA CITY: (47344) Marcus Hook URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2014

MONITOR TYPE: SPM REPORT FOR: UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

Note		MONTH											
1	Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	1											.00 ND	10.86 5
1	2									.79 SQ	.52 SQ		
S	3								.50 SQ				
			.41 SQ				.29 SQ	.00 ND					
1		.84 QX			.00 ND	.00 ND							
8				.00 ND									
1										6B 44	00	.26 SQ	2.38 5
10									77 90	.67 SQ	.28 SQ		
11			0.0 MD				52 80	62 90	.// 50				
12		.99	.00 MD		4.40 5	AS	.52 50	.02 30					
13				1.44 5	· · · ·								
15												.00 ND	1.17 5
16	14									.24 SQ	AS		
17									.55 SQ				
18			.00 ND				.46 SQ	.51 SQ					
19		.61 SQ			.30 SQ	.00 ND							
20				.53 SQ									
21										1 50 5	F1 G0	.00 ND	1.05
22 1.84 5 .00 ND .00 ND AS 23 .00 ND .00 ND AS 24 .00 ND .00 ND .00 ND 25 .49 .00 ND .00 ND 26 .49 .54 SQ .25 SQ .49 .00 ND 27 .81 SQ .42 SQ 28 .AF00 ND .28 SQ 30 .AF00 ND .28 SQ NO.: 5 4 4 4 5 5 3 5 5 4 5 5 6									A E	1.59 5	.51 SQ		
23			1 84 5				44 50	54 50	Ar				
24 .00 ND 25 .49 .49 5 AS 26 .40 SQ .25 SQ 27 .28 AF .34 SQ .42 SQ 29 .36 SQ .75 SQ .75 SQ 30 AF .75 SQ NO.: 5 4 4 4 5 5 3 5 5 4 5 5 4 5 5 4 5 5 4 5 5 4 5 5 6 4 6 5 6 6 6 6		.00 ND	1.01 5		.00 ND	AS	.11 50	.51 50					
25				.00 ND									
27 28												4.90 5	AS
28 AF	26									.40 SQ	.25 SQ		
29	27								.81 SQ				
30 AF 31			AF				.34 SQ	.42 SQ					
31 NO.: 5 4 4 5 3 5 5 4 5 4 5 5 5 MAX: .99 1.84 1.44 4.40 .28 .52 .62 .81 1.59 .52 4.90 10.86 MEAN: .560 .563 .493 .940 .093 .410 .418 .658 .738 .390 1.032 3.222		.36 SQ			.00 ND	.28 SQ							
NO.: 5 4 4 5 3 5 5 4 5 4 5 5 6 4 5 5 6 6 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8				AF									
MAX: .99 1.84 1.44 4.40 .28 .52 .62 .81 1.59 .52 4.90 10.86 MEAN: .560 .563 .493 .940 .093 .410 .418 .658 .738 .390 1.032 3.222	31												.65 SQ
MEAN: .560 .563 .493 .940 .093 .410 .418 .658 .738 .390 1.032 3.222	NO.:	5											5
	MAX:												
ANNUAL OBSERVATIONS: 54 ANNUAL MEAN: .839 ANNUAL MAX: 10.86	MEAN:	.560	.563	.493	.940	.093	.410	.418	.658	.738	.390	1.032	3.222
	ANNUAI	L OBSERVATIONS	S: 54	ANNUAL MEAN:	.839	ANNUAL MAX:	10.86						

Jul. 3, 2019

CAS NUMBER: 100-41-4 LATITUDE: 39.818715 -75.413973

LONGITUDE:

UTM NORTHING:

UTM EASTING:

UTM ZONE:

STATE: (42) Pennsylvania COUNTY: (045) Delaware

(45203) Ethylbenzene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

POC: 2

SITE ID: 42-045-0109

CITY: (47344) Marcus Hook

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2015 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.38 SQ									
2											1.36 5	1.20 5
3									.46 SQ	AS		
4								.38 SQ				
5		AF				.52 SQ	.29 SQ					
6	.48 SQ			.32 SQ	.50 SQ							
7			.31 SQ									
8											AS	AF
9									AS	.56 SQ		
10								.26 SQ				
11		.55 SQ			40	AS	.24 SQ					
12	.83 SQ		00.375	.23 SQ	.40 SQ							
13 14			.00 ND								.00 ND	AF
15									.38 SQ	.00 ND	.00 ND	Ar
16								.34 SQ	.50 50	.00 145		
17		.45 SQ				.27 SQ	.00 ND	.51.52				
18	1.25 5			.53 SQ	1.04							
19			.00 ND									
20											.34 SQ	AS
21									.37 SQ	1.04		
22								.00 ND				
23		.00 ND				.30 SQ	.27 SQ					
24	.50 SQ			AF	.40 SQ							
25			.46 SQ									
26											AS	.00 ND
27									AS	AS		
28								.38 SQ				
29						.25 SQ	.30 SQ					
30	.32 SQ		40.00	.00 ND	.00 ND							
31			.43 SQ									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	1.25	.55	.46	.53	1.04	.52	.30	.38	.46	1.04	1.36	1.20
MEAN:	.676	.333	.263	.270	.468	.335	.220	.272	.403	.533	.567	.600
ANNUA	L OBSERVATIONS:	48	ANNUAL MEAN:	.394	ANNUAL MAX:	1.36						

Jul. 3, 2019

LATITUDE: 39.818715 STATE: (42) Pennsylvania -75.413973 LONGITUDE:

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

95-47-6

COUNTY: (045) Delaware

(45204) o-Xylene

CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

POC: 2

SITE ID: 42-045-0109

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0

MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR MONITOR TYPE: SPM REPORT FOR: 2013

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.92 SQ		
2								.65 SQ				
3		.40 SQ				.54 SQ	.00 ND					
4	.35 SQ			.00 ND	.57 SQ							
5			.00 ND									
6											.30 SQ	.32 SQ
7									.51 SQ	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.38 SQ			.80 SQ	.86 SQ							
11			.00 ND									
12											.00 ND	.22 SQ
13									.00 ND	.52 SQ		
14								.00 ND				
15		.37 SQ				.34 SQ	.38 SQ					
16	.63 SQ			.00 ND	1.17							
17			.00 ND									
18											.16 SQ	.21 SQ
19									AF	.88 SQ		
20								.62 SQ				
21		.00 ND				.00 ND	.37 SQ					
22	.00 ND			.00 ND	.00 ND							
23			.00 ND									
24 25									.44 SQ	00.370	.00 ND	.00 ND
25 26								.00 ND	.44 SQ	.00 ND		
27		.55 SQ				.00 ND	.00 ND	.00 ND				
28	.57 SQ	.55 50		AF	.68 SQ	.00 ND	.00 ND					
29	.57 50		.37 SQ	Ar	.00 SQ							
30			.37 50								.18 SQ	.20 SQ
31										.48 SQ	.10 50	.20 50
31												
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	.63	.55	.37	.80	1.17	.54	.38	.65	.51	.92	.30	.32
MEAN:	.386	.264	.074	.200	.656	.176	.150	.254	.238	.467	.128	.190
ANNUA	L OBSERVATIONS	59	ANNUAL MEAN:	.270	ANNUAL MAX:	1.17						

Jul. 3, 2019

(45204) o-Xylene CAS NUMBER: 95-47-6

LATITUDE: 39.818715 SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania -75.413973 LONGITUDE: COUNTY: (045) Delaware (045) METROPOLITAN PHILADELPHIA UTM ZONE:

CITY: (47344) Marcus Hook URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2014

MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.22 SQ	16.73 5
2									1.21	.71 SQ		
3								.62 SQ				
4		.34 SQ				.33 SQ	.34 SQ					
5	1.00 QX			.00 ND	.26 SQ							
6			.00 ND									
7											.29 SQ	3.80 5
8									.96	.36 SQ		
9 10		.00 ND				.49 SQ	0E CO	1.03				
11	1.36 5	.UU ND		6.62 5	AS	.49 SQ	.85 SQ					
12	1.50 5		1.64 5	0.02 3	rio .							
13			1.01 9								.22 SQ	1.73 5
14									.30 SQ	AS	~~	
15								.59 SQ				
16		.00 ND				.54 SQ	.74 SQ					
17	.72 SQ			.32 SQ	.29 SQ							
18			.61 SQ									
19											.00 ND	1.47 5
20									2.78 5	.64 SQ		
21		0.40.5						AF				
22 23	.00 ND	2.43 5		.00 ND	AS	.78 SQ	.71 SQ					
23	. 00 ио		.00 ND	.UU ND	AS							
25			.00 ND								5.20 5	AS
26									.51 SQ	.31 SQ	3.20 3	
27								.90 SQ	22	22		
28		AF				.54 SQ	.68 SQ	- ~				
29	.37 SQ			.00 ND	.30 SQ							
30			AF									
31												.86 SQ
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	1.36	2.43	1.64	6.62	.30	.78	.85	1.03	2.78	.71	5.20	16.73
MEAN:	.690	.693	.563	1.388	.283	.536	.664	.785	1.152	.505	1.186	4.918
ANNUAL	OBSERVATIONS:	54	ANNUAL MEAN:	1.180	ANNUAL MAX:	16.73						
		31	THIOPE PERM.	1.100								

Jul. 3, 2019

CAS NUMBER: 95-47-6 LATITUDE: 39.818715 -75.413973

STATE: (42) Pennsylvania COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY

UTM EASTING: ELEVATION-MSL: 0 PROBE HEIGHT:

LONGITUDE:

UTM NORTHING:

UTM ZONE:

UNITS: Parts per billion Carbon

DURATION: 24 HOUR

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

POC: 2

MONITOR TYPE: SPM

MONITOR COMMENTS:

(45204) o-Xylene

CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SITE ID: 42-045-0109

2015 REPORT FOR: COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.48 SQ									
2											1.76 5	1.28
3									.56 SQ	AS		
4								.41 SQ				
5 6	.67 SQ	AF		.46 SQ	.74 SQ	.66 SQ	.32 SQ					
7	.67 50		.34 SQ	.46 SQ	.74 SQ							
8			.51 50								AS	AF
9									AS	.68 SQ		
10								.26 SQ		_		
11		.63 SQ				AS	.22 SQ					
12	1.14			.34 SQ	.58 SQ							
13			.19 SQ									
14											.21 SQ	AF
15									.46 SQ	.24 SQ		
16								.46 SQ				
17	1 01 5	.42 SQ		75 00	1 44 5	.36 SQ	.22 SQ					
18 19	1.91 5		.39 SQ	.75 SQ	1.44 5							
20			.39 50								.36 SQ	AS
21									.39 SQ	1.20	.50 50	AD
22								.21 SQ				
23		.00 ND				.34 SQ	.26 SQ					
24	.71 SQ			AF	.48 SQ							
25			.70 SQ									
26											AS	.00 ND
27									AS	AS		
28								.44 SQ				
29						.31 SQ	.32 SQ					
30	.37 SQ		20.00	.00 ND	.22 SQ							
31			.30 SQ									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	1.91	.63	.70	.75	1.44	.66	.32	.46	.56	1.20	1.76	1.28
MEAN:	.960	.350	.400	.388	.692	.418	.268	.356	.470	.707	.777	.640
ANNUAI	L OBSERVATIONS	: 48	ANNUAL MEAN:	.525	ANNUAL MAX:	1.91						

LATITUDE: 39.818715 LONGITUDE: -75.413973

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

PROBE HEIGHT:

UNITS: Parts per billion Carbon

Jul. 3, 2019

108-67-8

AQCR: (045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL UTM EASTING:
LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

CITY: (47344) Marcus Hook

(45207) 1,3,5-Trimethylbenzene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2013 DURATION: 24 HOUR

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			.00 ND	.00 ND							
11			.00 ND									
12											.00 ND	.00 ND
13									.00 ND	.00 ND		
14								.00 ND				
15	00.175	.00 ND		00.175	00.375	.00 ND	.00 ND					
16 17	.00 ND		.00 ND	.00 ND	.00 ND							
18			.00 ND								.00 ND	.00 ND
19									AF	.00 ND	.00 ND	.00 ND
20								.00 ND	AL	.00 ND		
21		.00 ND				.00 ND	.00 ND	.00 112				
22	.00 ND			.00 ND	.00 ND							
23			.00 ND									
24											.00 ND	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AF	.00 ND							
29			.00 ND									
30											.00 ND	.00 ND
31										.16 SQ		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.16	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.027	0.000	0.000
ANNUA	L OBSERVATIONS:	59	ANNUAL MEAN:	.003	ANNUAL MAX:	.16						

LAND USE: INDUSTRIAL

LOCATION SETTING:

Jul. 3, 2019

CAS NUMBER: 108-67-8 LATITUDE: 39.818715 -75.413973

LONGITUDE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 0

UTM ZONE:

UNITS: Parts per billion Carbon

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

(45207) 1,3,5-Trimethylbenzene

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

URBAN AND CENTER CITY PROBE HEIGHT:

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

DURATION: 24 HOUR 2014 REPORT FOR:

MIN DETECTABLE:

1 2110			2000000								2212	
_	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.43 SQ
2									.39 SQ	.28 SQ		
3								.17 SQ				
4		.00 ND				.00 ND	.00 ND					
5	.40 QX			.00 ND	.00 ND							
6			.00 ND								0.0	
7											.00 ND	.00 ND
8								0.0 MD	.23 SQ	.00 ND		
9 10		.00 ND				.00 ND	.27 SQ	.00 ND				
11	.37 SQ	.00 ND		1.09	AS	.00 ND	.27 SQ					
12	.57 50		.73 SQ	1.09	no							
13			.,, 50								.26 SQ	.00 ND
14									.00 ND	AS		
15								.00 ND				
16		.00 ND				.00 ND	.26 SQ					
17	.00 ND			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	.00 ND
20									.77 SQ	.00 ND		
21								AF				
22		1.20 5				.00 ND	.33 SQ					
23	.00 ND			.00 ND	AS							
24			.00 ND									
25											.00 ND	AS
26									.00 ND	.00 ND		
27						00.1	0.7	.29 SQ				
28	00 200	AF		0.0 200	00 10	.00 ND	.27 SQ					
29 30	.00 ND		AF	.00 ND	.00 ND							
31			AF									.00 ND
31												
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	.40	1.20	.73	1.09	0.00	0.00	.33	.29	.77	.28	.26	.43
MEAN:	.154	.300	.183	.218	0.000	0.000	.226	.115	.278	.070	.052	.086
ANNUA	L OBSERVATIONS	5: 54	ANNUAL MEAN:	.143	ANNUAL MAX:	1.20						
		J.										

REPORT FOR:

RAW DATA REPORT Jul. 3, 2019

> CAS NUMBER: 108-67-8 LATITUDE: 39.818715

> > -75.413973

LONGITUDE:

UTM NORTHING:

UTM EASTING:

UTM ZONE:

UNITS: Parts per billion Carbon

DURATION: 24 HOUR

STATE: (42) Pennsylvania

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

2015

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0

PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

POC: 2

MONITOR TYPE: SPM

MONITOR COMMENTS:

SITE ID: 42-045-0109

COUNTY: (045) Delaware

CITY: (47344) Marcus Hook

(45207) 1,3,5-Trimethylbenzene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.78 CC	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											AS	AF
9									AS	.00 ND		
10								.00 ND				
11	00.370	.00 ND		00.375	0.0 277	AS	.00 ND					
12 13	.00 ND		.00 ND	.00 ND	.00 ND							
14			.00 ND								.00 ND	AF
15									.00 ND	.00 ND	.00 ND	AL
16								.00 ND	.00 ND	.00 ND		
17		.00 ND				.00 ND	.00 ND	.00 112				
18	.70 SQ			.19 SQ	.41 SQ							
19	_		.00 ND	_	-							
20											.00 ND	AS
21									.00 ND	.44 CC		
22								.00 ND				
23		.00 ND				.00 ND	.00 ND					
24	.00 ND			AF	.00 ND							
25			.19 SQ									
26											AS	.00 ND
27									AS	AS		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			.00 ND									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	.70	0.00	.19	.19	.41	0.00	0.00	0.00	0.00	.44	.78	0.00
MEAN:	.140	0.000	.032	.048	.082	0.000	0.000	0.000	0.000	.147	.260	0.000
ANNUA	L OBSERVATIONS:	48	ANNUAL MEAN:	.056	ANNUAL MAX:	.78						

Jul. 3, 2019

LATITUDE: 39.818715 STATE: (42) Pennsylvania -75.413973 LONGITUDE:

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

95-63-6

COUNTY: (045) Delaware

(45208) 1,2,4-Trimethylbenzene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

POC: 2

SITE ID: 42-045-0109

CITY: (47344) Marcus Hook

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2013 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.96 SQ		
2								.68 SQ	.00 ND	.90 30		
3		.00 ND				.70 SQ	.00 ND	.00 30				
4	.00 ND	.00 ND		.00 ND	.40 SQ	.70 50	.00 ND					
5	.00 142		.00 ND	.00 ND	.10 50							
6			.00 ND								.31 SQ	.68 SQ
7									.37 SQ	.00 ND	.51 00	.00 00
8								.00 ND	.37 50	.00 112		
9		.00 ND				.00 ND	.00 ND	.00 112				
10	.52 SQ			.76 SQ	.52 SQ							
11			.00 ND									
12											.00 ND	.25 SQ
13									.49 SQ	.58 SQ		
14								.36 SQ	_	_		
15		.32 SQ				.00 ND	.50 SQ					
16	.73 SQ			.00 ND	.90 SQ							
17			.00 ND									
18											.24 SQ	.18 SQ
19									AF	.68 SQ		
20								.55 SQ				
21		.00 ND				.00 ND	.37 SQ					
22	.00 ND			.00 ND	.00 ND							
23			.00 ND									
24											.00 ND	.00 ND
25									.47 SQ	.00 ND		
26								.00 ND				
27		.53 SQ				.00 ND	.00 ND					
28	.37 SQ			AF	.78 SQ							
29			.00 ND									
30											.00 ND	.20 SQ
31										.64 SQ		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	.73	.53	0.00	.76	.90	.70	.50	.68	. 49	.96	.31	.68
MEAN:	.324	.170	0.000	.190	.520	.140	.174	.318	.333	.477	.110	.262
ANNUA	L OBSERVATIONS	: 59	ANNUAL MEAN:	. 255	ANNUAL MAX:	.96						

LAND USE: INDUSTRIAL

LOCATION SETTING:

(045) METROPOLITAN PHILADELPHIA

URBAN AND CENTER CITY

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

DURATION: 24 HOUR

ELEVATION-MSL: 0

95-63-6

Jul. 3, 2019

LATITUDE: 39.818715 SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania -75.413973 LONGITUDE:

COUNTY: (045) Delaware CITY: (47344) Marcus Hook SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

(45208) 1,2,4-Trimethylbenzene

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection 2014

MONITOR TYPE: SPM REPORT FOR: UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	1.40
2									1.25	1.07 SQ		
3								.70 SQ				
4		.49 SQ				.94 SQ	.49 SQ					
5	1.36 QX			.37 SQ	.23 SQ							
6			.48 SQ									
7											.00 ND	.00 ND
8								00.55	1.02 SQ	.35 SQ		
9 10		.00 ND				1.20	1.87 5	.92 SQ				
11	1.70	.UU ND		4.15 5	AS	1.20	1.0/5					
12	1.70		4.40 5	1.13 3	210							
13											.41 SQ	.00 ND
14									.31 SQ	AS	~~	
15								.58 SQ				
16		.00 ND				1.87 5	1.74					
17	.58 SQ			.38 SQ	.36 SQ							
18			.98 SQ									
19											.00 ND	.00 ND
20									3.15 5	.75 SQ		
21		T 40 5				02.55	1 75	AF				
22	16 00	7.48 5		.00 ND	7.0	.93 SQ	1.75					
23 24	.16 SQ		.00 ND	.UU ND	AS							
25			.00 ND								.93 SQ	AS
26									.64 SQ	.36 SQ	.55 50	-10
27								1.11	22	22		
28		AF				.64 SQ	1.94 5					
29	.19 SQ			.36 SQ	.55 SQ							
30			AF									
31												.27 SQ
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	1.70	7.48	4.40	4.15	.55	1.87	1.94	1.11	3.15	1.07	.93	1.40
MEAN:	.798	1.993	1.465	1.052	.380	1.116	1.558	.828	1.274	.633	.268	.334
ANNUA	L OBSERVATION	5: 54	ANNUAL MEAN:	.978	ANNUAL MAX:	7.48						

LAND USE: INDUSTRIAL

LOCATION SETTING:

(045) METROPOLITAN PHILADELPHIA

URBAN AND CENTER CITY

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

95-63-6

Jul. 3, 2019

LATITUDE: 39.818715 SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania -75.413973 LONGITUDE: COUNTY: (045) Delaware

CITY: (47344) Marcus Hook SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT MONITOR COMMENTS:

(45208) 1,2,4-Trimethylbenzene

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2015 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2			.00 112								2.07 5	.87 SQ
3									.85 SQ	AS		
4								.50 SQ	_			
5		AF				.61 SQ	.00 ND					
6	.00 ND			.99 SQ	.70 SQ							
7			.25 SQ									
8											AS	AF
9									AS	.00 ND		
10								.00 ND				
11		.49 SQ				AS	.00 ND					
12	.81 SQ			.23 SQ	.52 SQ							
13			.00 ND									
14											.00 ND	AF
15									.43 SQ	.00 ND		
16								.52 SQ				
17		.41 SQ				.00 ND	.00 ND					
18	2.05 5			1.62	1.44							
19			.51 SQ									
20											.00 ND	AS
21									.00 ND	.99 SQ		
22								.00 ND				
23	40.00	.00 ND			.00 ND	.00 ND	.00 ND					
24 25	.48 SQ		1.53	AF	.00 ND							
25 26			1.53								AS	.00 ND
27									AS	AS	AS	.00 ND
28								.53 SQ	AS	AD		
29						.00 ND	.43 SQ	.55 50				
30	.00 ND			.00 ND	.00 ND	.00 112	.13 50					
31	.00 1.5		.76 SQ	.00 112	.00 112							
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	2.05	.49	1.53	1.62	1.44	.61	. 43	.53	.85	.99	2.07	.87
MEAN:	.668	.300	.508	.710	.532	.153	.086	.310	.427	.330	.690	.435
ANNUAI	OBSERVATIONS:	48	ANNUAL MEAN:	.429	ANNUAL MAX:	2.07						

AIR QUALITY SYSTEM RAW DATA REPORT

(045) METROPOLITAN PHILADELPHIA

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

622-96-8

Jul. 3, 2019

LATITUDE: 39.818715 SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania LONGITUDE: -75.413973 COUNTY: (045) Delaware

CITY: (47344) Marcus Hook SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

(45213) p-Ethyltoluene

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR MONITOR TYPE: SPM 2013 REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.32 SQ		
2								.21 SQ				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.24 SQ
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			.00 ND	.00 ND							
11			.00 ND									
12											.00 ND	.00 ND
13									.00 ND	.00 ND		
14								.00 ND				
15		.00 ND				.00 ND	.00 ND					
16	.00 ND			.00 ND	.59 SQ							
17			.00 ND									
18											.00 ND	.00 ND
19									AF	.47 SQ		
20								.39 SQ				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			.00 ND	.00 ND							
23			.00 ND									
24											.00 ND	.00 ND
25									.00 ND	.00 ND		
26		00.170				00.370	00.370	.00 ND				
27	00.370	.00 ND		AF	.00 ND	.00 ND	.00 ND					
28 29	.00 ND		.00 ND	Ar	.00 ND							
30			.00 ND								.00 ND	.00 ND
31										.20 SQ	.00 ND	.00 ND
31										.20 50		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	.59	0.00	0.00	.39	0.00	.47	0.00	.24
MEAN:	0.000	0.000	0.000	0.000	.118	0.000	0.000	.120	0.000	.165	0.000	.048
ANNUAI	OBSERVATIONS:	59	ANNUAL MEAN:	.041	ANNUAL MAX:	.59						
		33										

Jul. 3, 2019

CAS NUMBER: 622-96-8 LATITUDE: 39.818715 -75.413973 LONGITUDE:

UTM ZONE:

UTM NORTHING:

PROBE HEIGHT:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL UTM EASTING: LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0

MONITOR COMMENTS:

(45213) p-Ethyltoluene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

CITY: (47344) Marcus Hook

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

MONTELL

DURATION: 24 HOUR 2014 REPORT FOR: UNITS: Parts per billion Carbon

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.46 SQ
2									.36 SQ	.37 SQ		
3								.24 SQ				
4		.00 ND				.18 SQ	.16 SQ					
5	.44 QX			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8									.27 SQ	.00 ND		
9								.29 SQ				
10		.00 ND				.40 SQ	.40 SQ					
11	.39 SQ			1.48 5	AS							
12			.97 5								40. 00	00.370
13 14									.00 ND	AS	.40 SQ	.00 ND
15								.19 SQ	.00 ND	AS		
16		.00 ND				.55 SQ	.31 SQ	.19 50				
17	.22 SQ	.00 ND		.00 ND	.00 ND	.55 50	.51 50					
18	.22 50		.27 SQ	.00 142	.00 ND							
19			.27 00								.00 ND	.00 ND
20									.82 5	.47 SQ		
21								AF				
22		1.51 5				.27 SQ	.44 SQ					
23	.00 ND			.00 ND	AS							
24			.00 ND									
25											.31 SQ	AS
26									.00 ND	.00 ND		
27								.31 SQ				
28		AF				.19 SQ	.40 SQ					
29	.00 ND			.00 ND	.17 SQ							
30			AF									
31												.00 ND
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	.44	1.51	.97	1.48	.17	. 55	.44	.31	.82	.47	.40	.46
MEAN:	.210	.378	.310	.296	.057	.318	.342	.258	.290	.210	.142	.092
ANNUA	L OBSERVATIONS	3: 54	ANNUAL MEAN:	.245	ANNUAL MAX:	1.51						

LAND USE: INDUSTRIAL

LOCATION SETTING:

REPORT FOR:

Jul. 3, 2019

CAS NUMBER: 622-96-8 LATITUDE: 39.818715 -75.413973 LONGITUDE:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

(45213) p-Ethyltoluene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR

URBAN AND CENTER CITY

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

2015

UNITS: Parts per billion Carbon

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

MIN DETECTABLE:

_	MONTH	_										
Day		FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.68 SQ	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											AS	AF
9									AS	.00 ND		
10		0.0				3.0	00.375	.00 ND				
11 12	.00 ND	.00 ND		.00 ND	.00 ND	AS	.00 ND					
13	.UU UU.		.00 ND	.UU UU.	.UU ND							
14			.00 ND								.00 ND	AF
15									.00 ND	.00 ND	.00 110	
16								.00 ND				
17		.00 ND				.00 ND	.00 ND					
18	.63 SQ			.53 SQ	.38 SQ							
19			.00 ND									
20											.00 ND	AS
21									.00 ND	.48 CC		
22								.00 ND				
23		.00 ND				.00 ND	.00 ND					
24	.00 ND			AF	.00 ND							
25			.37 SQ									
26											AS	.00 ND
27									AS	AS		
28						00.375	00.375	.00 ND				
29	OO ME			0.0 MD	00 NF	.00 ND	.00 ND					
30 31	.00 ND		.00 ND	.00 ND	.00 ND							
31			.UU ND									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	.63	0.00	.37	.53	.38	0.00	0.00	0.00	0.00	.48	.68	0.00
MEAN:	.126	0.000	.062	.133	.076	0.000	0.000	0.000	0.000	.160	.227	0.000
ANNUAI	L OBSERVATIONS:	48	ANNUAL MEAN:	.064	ANNUAL MAX:	.68						

Jul. 3, 2019

CAS NUMBER: 100-42-5 LATITUDE: 39.818715 LONGITUDE: -75.413973

UTM ZONE:

UTM NORTHING:

UTM EASTING:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(45220) Styrene

CITY: (47344) Marcus Hook

MONTELL

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0

MONITOR COMMENTS: PROBE HEIGHT:

DURATION: 24 HOUR MONITOR TYPE: SPM 2013 REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			.00 ND	.00 ND							
11			.00 ND									
12 13									00.170	00.170	.00 ND	.00 ND
13								.00 ND	.00 ND	.00 ND		
15		.00 ND				.00 ND	.00 ND	.00 ND				
16	.00 ND	.00 ND		.00 ND	.00 ND	.00 ND	.00 ND					
17	.00 ND		.00 ND	.00 ND	.00 110							
18											.00 ND	.00 ND
19									AF	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			.00 ND	.00 ND							
23			.00 ND									
24											.00 ND	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AF	.00 ND							
29			.00 ND									
30										00.170	.00 ND	.00 ND
31										.00 ND		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	59	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

Jul. 3, 2019

CAS NUMBER: 100-42-5 LATITUDE: 39.818715 -75.413973 LONGITUDE:

UTM ZONE:

DURATION: 24 HOUR

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

(45220) Styrene

COUNTY: (045) Delaware (045) METROPOLITAN PHILADELPHIA CITY: (47344) Marcus Hook

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection 2014

MONITOR TYPE: SPM REPORT FOR: UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND		
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.33 QX			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.27 SQ		20.65	.00 ND	AS							
12 13			.30 SQ								.00 ND	.00 ND
13									.00 ND	AS	.UU ND	.עמ טט.
15								.00 ND	.00 D	AD		
16		.00 ND				.00 ND	.00 ND	.00 ND				
17	.00 ND	.00 ND		.00 ND	.00 ND	.00 140	.00 110					
18			.00 ND									
19											.00 ND	.00 ND
20									.00 ND	.00 ND		
21								AF				
22		.27 SQ				.00 ND	.27 SQ					
23	.00 ND			.00 ND	AS							
24			.00 ND									
25											.00 ND	AS
26									.00 ND	.00 ND		
27								.00 ND				
28		AF				.00 ND	.00 ND					
29	.00 ND		3.17	.00 ND	.00 ND							
30 31			AF									.00 ND
31												.עמ טט.
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	.33	.27	.30	0.00	0.00	0.00	. 27	0.00	0.00	0.00	0.00	0.00
MEAN:	.120	.068	.075	0.000	0.000	0.000	.054	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS	54	ANNUAL MEAN:	.027	ANNUAL MAX:	.33						

Jul. 3, 2019

CAS NUMBER: 100-42-5 LATITUDE: 39.818715 LONGITUDE: -75.413973

UTM ZONE:

UTM NORTHING:

UTM EASTING:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL LOCATION SETTING: URBAN AND CENTER CITY

ELEVATION-MSL: 0 PROBE HEIGHT:

MONITOR COMMENTS:

(45220) Styrene

CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR MONITOR TYPE: SPM REPORT FOR: 2015 UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND								_	
8											AS	AF
9 10								.00 ND	AS	.00 ND		
11		.00 ND				AS	.00 ND	.00 ND				
12	.00 ND	.00 ND		.00 ND	.00 ND	AS	.00 ND					
13	.00 112		.00 ND	.00 112	.00 112							
14											.00 ND	AF
15									.00 ND	.00 ND		
16								.00 ND				
17		.00 ND				.00 ND	.00 ND					
18	.72 5			.00 ND	.00 ND							
19			.00 ND									
20											.00 ND	AS
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				.00 ND	.00 ND					
24	.00 ND			AF	.00 ND							
25			.00 ND								3.0	0.0 MD
26 27									AS	AS	AS	.00 ND
28								.00 ND	Ab	AD		
29						.00 ND	.00 ND	.00 112				
30	.00 ND			.00 ND	.00 ND							
31			.00 ND									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	.144	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
						.72						
ANNUA.	L OBSERVATIONS:	48	ANNUAL MEAN:	.015	ANNUAL MAX:	. / 4						

RAW DATA REPORT Jul. 3, 2019

> CAS NUMBER: 108-90-7 LATITUDE: 39.818715 LONGITUDE: -75.413973

> > UTM ZONE:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware (045) METROPOLITAN PHILADELPHIA CITY: (47344) Marcus Hook

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: LAND USE: INDUSTRIAL UTM EASTING: LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 PROBE HEIGHT:

MONITOR COMMENTS:

(45801) Chlorobenzene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR MONITOR TYPE: SPM 2013 REPORT FOR: UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

MONTH

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			.00 ND	.00 ND							
11			.00 ND									
12											.00 ND	.00 ND
13									.00 ND	.00 ND		
14								.00 ND				
15	0.0 3770	.00 ND		00.170	00.375	.00 ND	.00 ND					
16 17	.00 ND		00 MD	.00 ND	.00 ND							
18			.00 ND								.00 ND	.00 ND
19									AF	.00 ND	.00 ND	.00 ND
20								.00 ND	AL	.00 ND		
21		.00 ND				.00 ND	.00 ND	.00 112				
22	.00 ND			.00 ND	.00 ND							
23			.00 ND									
24											.00 ND	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AF	.00 ND							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	59	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

AIR QUALITY SYSTEM RAW DATA REPORT

LAND USE: INDUSTRIAL

LOCATION SETTING:

Jul. 3, 2019

CAS NUMBER: 108-90-7 LATITUDE: 39.818715

-75.413973

LONGITUDE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

UTM ZONE:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

(45801) Chlorobenzene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR MONITOR TYPE: SPM REPORT FOR: 2014 UNITS: Parts per billion Carbon

MIN DETECTABLE:

URBAN AND CENTER CITY

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND		
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.00 ND			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	AS							
12			.00 ND									
13											.00 ND	.00 ND
14									.00 ND	AS		
15								.00 ND				
16		.00 ND				.00 ND	.00 ND					
17	.00 ND			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	.00 ND
20									.00 ND	.00 ND		
21								AF				
22		.00 ND				.00 ND	.00 ND					
23	.00 ND			.00 ND	AS							
24			.00 ND									
25											.00 ND	AS
26									.00 ND	.00 ND		
27								.00 ND				
28		AF			00	.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									0.0 277
31												.00 ND
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	54	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

LAND USE: INDUSTRIAL

LOCATION SETTING:

RAW DATA REPORT Jul. 3, 2019

> LATITUDE: 39.818715 LONGITUDE: -75.413973

108-90-7

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL:

PROBE HEIGHT:

2

0.00

0.000

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

(45801) Chlorobenzene

5

0.00

0.000

ANNUAL OBSERVATIONS:

3

0.00

0.000

48

NO.:

MAX:

MEAN:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

DURATION: 24 HOUR 2015 REPORT FOR:

URBAN AND CENTER CITY

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

UNITS: Parts per billion Carbon (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE: MONTH Day JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY AUGUST SEPTEMBER OCTOBER NOVEMBER DECEMBER .00 ND 2 .17 CC .00 ND 3 .00 ND AS 4 .00 ND 5 .00 ND .00 ND AF .00 ND .00 ND .00 ND 7 .00 ND 8 AS AF 9 .00 ND AS 10 .00 ND 11 .00 ND AS .00 ND 12 .00 ND .00 ND .00 ND 13 .00 ND 14 .00 ND AF 15 .00 ND .00 ND 16 .00 ND 17 .00 ND .00 ND .00 ND 18 .00 ND .00 ND .00 ND 19 .00 ND 20 .00 ND AS 21 .00 ND .22 SQ 22 .00 ND 23 .00 ND .00 ND .00 ND 24 .00 ND .00 ND AF 25 .00 ND 26 .00 ND AS 27 AS AS 28 .00 ND 29 .00 ND .00 ND 30 .00 ND .00 ND .00 ND 31 .00 ND

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

0.00

0.000

ANNUAL MEAN:

4

0.00

0.000

.008

5

0.00

0.000

ANNUAL MAX:

4

0.00

0.000

5

0.00

0.000

5

0.00

0.000

3

0.00

0.000

3

.22

.073

3

.17

.057

RAW DATA REPORT Jul. 3, 2019

> CAS NUMBER: 95-50-1 LATITUDE: 39.818715 -75.413973

LONGITUDE:

PROBE HEIGHT:

UTM ZONE:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania

COUNTY: (045) Delaware CITY: (47344) Marcus Hook

(45805) 1,2-Dichlorobenzene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO (0851) Pennsylvania Department Of Environmental Protection

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: LAND USE: INDUSTRIAL UTM EASTING: LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0

DURATION: 24 HOUR 2013 REPORT FOR:

(045) METROPOLITAN PHILADELPHIA

UNITS: Parts per billion Carbon

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			.00 ND	.00 ND							
11			.00 ND									
12											.00 ND	.00 ND
13									.00 ND	.00 ND		
14								.00 ND				
15		.00 ND				.00 ND	.00 ND					
16	.00 ND			.00 ND	.00 ND							
17 18			.00 ND								.00 ND	.00 ND
19									AF	.00 ND	.00 ND	.00 ND
20								.00 ND	Ar	.00 ND		
21		.00 ND				.00 ND	.00 ND	.00 ND				
22	.00 ND	.00 ND		.00 ND	.00 ND	.00 142	.00 145					
23	.00 1.5		.00 ND	.00 112	.00 112							
24											.00 ND	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AF	.00 ND							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	59	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

AIR QUALITY SYSTEM
RAW DATA REPORT

RAW DATA REPORT Jul. 3, 2019

CAS NUMBER: 95-50-1
LATITUDE: 39.818715
LONGITUDE: -75.413973

UTM ZONE:

COUNTY: (045) Delaware
CITY: (47344) Marcus Hook

CITY: (47344) Marcus Hook

CITY: (47344) Marcus Hook

(45805) 1,2-Dichlorobenzene

CITY: (4/344) Marcus Hook
SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL
SITE COMMENTS: SPECIAL STUDY FOR ODDR COMPLAINT
MONITOR COMMENTS:

LOCATION SETTING:
URBAN AND CENTER CITY
URBAN AND CENTER CITY

PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR

MONITOR TYPE: SPM REPORT FOR: 2014 DURATION: 24 HOUR

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon
PQAO: (0851) Pennsylvania Department Of Environmental Protection

MIN DETECTABLE:

Decision Section Sec		MONTH											
	Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
	1											.00 ND	.00 ND
Column C										.00 ND	.00 ND		
1	3								.00 ND				
Color Colo	4		.00 ND				.00 ND	.00 ND					
1	5	.00 ND			.00 ND	.00 ND							
R	6			.00 ND									
1												.00 ND	.00 ND
10										.00 ND	.00 ND		
11 0 0 N D									.00 ND				
12		0.0 275	.00 ND		00 27-	2.0	.00 ND	.00 ND					
13		.UU ND		00 MD	.UU ND	AS							
14				.00 ND								0.0 Min	0.0 ND
15										0.0 ND	AS	.00 ND	.00 141
16									.00 ND	.00 110	-10		
17			.00 ND				.00 ND	.00 ND					
18		.00 ND			.00 ND	.00 ND							
20	18			.00 ND									
21	19											.00 ND	.00 ND
22	20									.00 ND	.00 ND		
23	21								AF				
24 .00 ND 25 .00 ND .00 ND AS 26 .00 ND .00 ND .00 ND 27 .00 ND 28 AF 30 AF 31			.00 ND				.00 ND	.00 ND					
25		.00 ND			.00 ND	AS							
26				.00 ND									
27 28												.00 ND	AS
28 AF									00.3	.00 ND	.00 ND		
29 .00 ND			A E				0.0 275	0.0 100	.UU ND				
30 AF 31 NO.: 5 4 4 5 3 5 5 4 5 4 5 5 MAX: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.		0.0 MD	Ar		0.0 Min	0.0 MD	.00 ND	.00 ND					
NO.: 5 4 4 5 3 5 5 4 5 5 4 5 5 MAX: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.		.UU UU.		ΔF	.UU ND	.00 MD							
NO:: 5 4 4 5 3 5 5 4 5 4 5 5 MAX: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.				AL.									.00 ND
MAX: 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.													
MEAN: 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000													
ANNUAL OBSERVATIONS: 54 ANNUAL MEAN: 0.000 ANNUAL MAX: 0.00	MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	ANNUAL	OBSERVATIONS	: 54	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

AIR QUALITY SYSTEM
RAW DATA REPORT

RAW DATA REPORT Jul. 3, 2019

LATITUDE: 39.818715 STATE: (42) Pennsylvania LONGITUDE: -75.413973

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

95-50-1

COUNTY: (045) Delaware STATE: (42) Pennsylvania

(45805) 1,2-Dichlorobenzene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

POC: 2

SITE ID: 42-045-0109

CITY: (47344) Marcus Hook

AQCR: (045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL
LOCATION SETTING: URBAN AND CENTER CITY

MONITOR COMMENTS: LOCATION SETTING: URBAN AND CENTER CITY

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM REPORT FOR: 2015

DURATION: 24 HOUR

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

AO: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY I	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											AS	AF
9									AS	.00 ND		
10 11		.00 ND				AS	.00 ND	.00 ND				
12	.00 ND	.00 ND		.00 ND	.00 ND	AS	.00 ND					
13	.00 ND		.00 ND	.00 ND	.00 ND							
14			.00 112								.00 ND	AF
15									.00 ND	.00 ND		
16								.00 ND				
17		.00 ND				.00 ND	.00 ND					
18	.00 ND			.00 ND	.00 ND							
19			.00 ND									
20											.00 ND	AS
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				.00 ND	.00 ND					
24 25	.00 ND		.00 ND	AF	.00 ND							
25 26			.00 ND								AS	.00 ND
27									AS	AS	AS	.00 ND
28								.00 ND	110	110		
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			.00 ND									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAI	OBSERVATIONS:	48	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

RAW DATA REPORT Jul. 3, 2019

> CAS NUMBER: 541-73-1 LATITUDE: 39.818715 -75.413973 LONGITUDE:

> > UTM ZONE:

UTM NORTHING:

PROBE HEIGHT:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(45806) 1,3-Dichlorobenzene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

CITY: (47344) Marcus Hook

MONITOR COMMENTS:

MONTELL

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

UTM EASTING: LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR MONITOR TYPE: SPM 2013 REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
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7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			.00 ND	.00 ND							
11			.00 ND									
12									00.370	00 277	.00 ND	.00 ND
13 14								.00 ND	.00 ND	.00 ND		
15		.00 ND				.00 ND	.00 ND	.00 ND				
16	.00 ND	.00 ND		.00 ND	.00 ND	.00 ND	.00 ND					
17	.00 ND		.00 ND	.00 ND	.00 ND							
18											.00 ND	.00 ND
19									AF	.00 ND		
20								.00 ND				
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			.00 ND	.00 ND							
23			.00 ND									
24											.00 ND	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AF	.00 ND							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	59	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

AIR QUALITY SYSTEM
RAW DATA REPORT

RAW DATA REPORT Jul. 3, 2019

CAS NUMBER: 541-73-1 LATITUDE: 39.818715

-75.413973

LONGITUDE:

ELEVATION-MSL: 0

PROBE HEIGHT:

UTM ZONE:

(45806) 1,3-Dichlorobenzene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

CITY: (47344) Marcus Hook

AQCR: (045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING:
LAND USE: INDUSTRIAL UTM EASTING:

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

MONITOR COMMENTS:

LOCATION SETTING:

URBAN AND CENTER CITY

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM REPORT FOR: 2014

DURATION: 24 HOUR

MONITOR TYPE: SPM REPORT FOR: 2014 DOKATION. 24 HOUR

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon

O: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	EMBER DECEMB	BER
1	.00 ND .0	
		00 ND
2 .00 ND .00 ND		
3 .00 ND		
4 .00 ND .00 ND .00 ND		
5 .00 ND .00 ND .00 ND		
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12 .00 ND AS		
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14 .00 ND AS		
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16 .00 ND .00 ND .00 ND		
17 .00 ND .00 ND .00 ND		
18 .00 ND		
19	.00 ND .0	00 ND
20 .00 ND .00 ND		
21 AF		
22 .00 ND .00 ND .00 ND		
23 .00 ND .00 ND AS		
24 .00 ND	0.0 MD 2.0	
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26 .00 ND		
27 .00 ND .00 ND .28 AF .00 ND .00 ND		
29 .00 ND .00 ND .00 ND		
30 AF		
31	. (00 ND
NO.: 5 4 4 5 3 5 5 4 5 4		5
	.00 0.00	
	.000 0.00	UU
ANNUAL OBSERVATIONS: 54 ANNUAL MEAN: 0.000 ANNUAL MAX: 0.00		

RAW DATA REPORT Jul. 3, 2019

LATITUDE: 39.818715 LONGITUDE: -75.413973

CAS NUMBER:

UTM ZONE:

541-73-1

(45806) 1,3-Dichlorobenzene

COUNTY: (045) Delaware

AQCR: (045) METROPOLITAN PHILADELPHIA

CITY: (47344) Marcus Hook

CITY: (4/344) Marcus Hook
URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ
UTM NORTHING:
SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL
LAND USE: INDUSTRIAL
MONITOR COMMENTS:
URBAN AND CENTER CITY
URBAN AND CENTER CITY
PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM REPORT FOR: 2015

DURATION: 24 HOUR

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon

NAO: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY E	EBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											AS	AF
9									AS	.00 ND		
10								.00 ND				
11		.00 ND				AS	.00 ND					
12 13	.00 ND		00.170	.00 ND	.00 ND							
13			.00 ND								.00 ND	AF
15									.00 ND	.00 ND	.00 ND	AF
16								.00 ND	.00 ND	.00 ND		
17		.00 ND				.00 ND	.00 ND	.00 112				
18	.00 ND			.00 ND	.00 ND							
19			.00 ND									
20											.00 ND	AS
21									.00 ND	.00 ND		
22								.00 ND				
23		.00 ND				.00 ND	.00 ND					
24	.00 ND			AF	.00 ND							
25			.00 ND									
26											AS	.00 ND
27									AS	AS		
28						.00 ND	.00 ND	.00 ND				
29 30	.00 ND			.00 ND	.00 ND	.00 ND	.00 ND					
31	.00 ND		.00 ND	.00 ND	.00 ND							
31												
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	48	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

RAW DATA REPORT Jul. 3, 2019

> LATITUDE: 39.818715 LONGITUDE: -75.413973

106-46-7

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING: URBAN AND CENTER CITY

ELEVATION-MSL: 0 PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

(0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

MONITOR COMMENTS:

CITY: (47344) Marcus Hook

(45807) 1,4-Dichlorobenzene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

2013 REPORT FOR: COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon

MIN DETECTABLE:

DURATION: 24 HOUR

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7								00.370	.00 ND	.00 ND		
8 9		.00 ND				.00 ND	.00 ND	.00 ND				
10	.00 ND	.00 ND		.00 ND	.00 ND	.00 ND	.00 ND					
11	100 112		.00 ND	.00 112	.00 112							
12											.00 ND	.00 ND
13									.00 ND	.00 ND		
14								.00 ND				
15		.00 ND				.00 ND	.00 ND					
16	.00 ND			.00 ND	.00 ND							
17			.00 ND									
18											.00 ND	.00 ND
19									AF	.00 ND		
20		00.375				00.370	00.370	.00 ND				
21 22	.00 ND	.00 ND		.00 ND	.00 ND	.00 ND	.00 ND					
23	.00 ND		.00 ND	.00 ND	.00 ND							
24			.00 ND								.00 ND	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AF	.00 ND							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	59	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

REPORT FOR: 2014

RAW DATA REPORT Jul. 3, 2019

CAS NUMBER: 106-46-7

LATITUDE: 39.818715

LONGITUDE: -75.413973

AQCR: (045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL
LOCATION SETTING: URBAN AND CENTER CITY

ELEVATION-MSL: 0
PROBE HEIGHT:

MONITOR COMMENTS:

CITY: (47344) Marcus Hook

(45807) 1,4-Dichlorobenzene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

PQAO: (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR

UNITS: Parts per billion Carbon

UTM ZONE:

UTM NORTHING:

UTM EASTING:

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND	.00 1.5	.00 112
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.21 CC			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.00 ND			.00 ND	AS							
12			.00 ND									
13											.00 ND	.00 ND
14									.00 ND	AS		
15								.00 ND				
16		.00 ND				.00 ND	.00 ND					
17	.00 ND			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	.00 ND
20									.00 ND	.00 ND		
21								AF				
22		.00 ND				.00 ND	.21 SQ					
23	.00 ND			.00 ND	AS							
24			.00 ND									
25									00.370	00.375	.00 ND	AS
26 27								.00 ND	.00 ND	.00 ND		
28		AF				.00 ND	.00 ND	.00 ND				
28 29	.00 ND	Mr.		.00 ND	.00 ND	.00 ND	.00 ND					
30	.00 ND		AF	.00 ND	.00 ND							
31			AL.									.00 ND
51												
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	.21	0.00	0.00	0.00	0.00	0.00	. 21	0.00	0.00	0.00	0.00	0.00
MEAN:	.042	0.000	0.000	0.000	0.000	0.000	.042	0.000	0.000	0.000	0.000	0.000
ANNUA	L OBSERVATIONS:	54	ANNUAL MEAN:	.008	ANNUAL MAX:	.21						

(045) METROPOLITAN PHILADELPHIA

URBAN AND CENTER CITY

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL

LOCATION SETTING:

Jul. 3, 2019

106-46-7

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

RAW DATA REPORT

LATITUDE: 39.818715 SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania LONGITUDE: -75.413973

COUNTY: (045) Delaware CITY: (47344) Marcus Hook SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT MONITOR COMMENTS:

(45807) 1,4-Dichlorobenzene

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2015 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY 1	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											AS	AF
9 10								.00 ND	AS	.00 ND		
11		.00 ND				AS	.00 ND	.00 ND				
12	.00 ND	.00 ND		.00 ND	.00 ND	AD	.00 ND					
13	.00 112		.00 ND	.00 112	.00 112							
14											.00 ND	AF
15									.00 ND	.00 ND		
16								.00 ND				
17		.00 ND				.00 ND	.00 ND					
18	.00 ND			.00 ND	.00 ND							
19			.00 ND									
20											.00 ND	AS
21									.00 ND	.00 ND		
22		.00 ND				.00 ND	.00 ND	.00 ND				
23 24	.00 ND	.00 ND		AF	.00 ND	.00 ND	.00 ND					
25	.00 ND		.00 ND	AI.	.00 ND							
26			.00 112								AS	.00 ND
27									AS	AS		
28								.00 ND				
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			.00 ND									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	48	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

RAW DATA REPORT Jul. 3, 2019

(45810) 1,2,4-Trichlorobenzene LATITUDE: 39.818715 SITE ID: 42-045-0109 POC: 2 LONGITUDE: -75.413973

CAS NUMBER:

UTM ZONE:

120-82-1

STATE: (42) Pennsylvania COUNTY: (045) Delaware (045) METROPOLITAN PHILADELPHIA CITY: (47344) Marcus Hook

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2013 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.00 ND	.00 ND		
2								.00 ND				
3		.00 ND				.00 ND	.00 ND					
4	.00 ND			.00 ND	.00 ND							
5			.00 ND									
6											.00 ND	.00 ND
7									.00 ND	.00 ND		
8								.00 ND				
9		.00 ND				.00 ND	.00 ND					
10	.00 ND			.00 ND	.00 ND							
11			.00 ND									
12											.00 ND	.00 ND
13									.55 SQ	.00 ND		
14								.00 ND				
15	00.175	.00 ND		00 277	00.375	.00 ND	.00 ND					
16 17	.00 ND		.00 ND	.00 ND	.00 ND							
18			.00 ND								.00 ND	.00 ND
19									AF	.00 ND	.00 ND	.00 ND
20								.00 ND		.00 112		
21		.00 ND				.00 ND	.00 ND					
22	.00 ND			.00 ND	.00 ND							
23			.00 ND									
24											.00 ND	.00 ND
25									.00 ND	.00 ND		
26								.00 ND				
27		.00 ND				.00 ND	.00 ND					
28	.00 ND			AF	.00 ND							
29			.00 ND									
30											.00 ND	.00 ND
31										.00 ND		
NO.:	5	5	5	4	5	5	5	5	4	6	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.55	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.138	0.000	0.000	0.000
ANNUAL	OBSERVATIONS:	59	ANNUAL MEAN:	.009	ANNUAL MAX:	.55						

RAW DATA REPORT Jul. 3, 2019

CAS NUMBER: 120-82-1 LATITUDE: 39.818715

LONGITUDE:

UTM NORTHING:

UTM EASTING:

UTM ZONE:

-75.413973

STATE: (42) Pennsylvania

AQCR: (045) METROPOLITAN PHILADELPHIA
URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

LAND USE: INDUSTRIAL
LOCATION SETTING: URBAN AND CENTER CITY

OCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0

PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: SPM REPORT FOR: 2014

DURATION: 24 HOUR

COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

UNITS: Parts per billion Carbon

O: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND		
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.00 ND			.00 ND	.00 ND							
6			.00 ND									
7									00.175	00.375	.00 ND	.00 ND
8 9								.00 ND	.00 ND	.00 ND		
10		.00 ND				.00 ND	.00 ND	.00 ND				
11	.00 ND	.00 ND		.00 ND	AS	.00 10	.00 ND					
12			.00 ND									
13											.00 ND	.00 ND
14									.00 ND	AS		
15								.00 ND				
16		.00 ND				.00 ND	.00 ND					
17	.00 ND			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	.00 ND
20									.00 ND	.00 ND		
21		00.170				00.370	00 277	AF				
22 23	.00 ND	.00 ND		.00 ND	AS	.00 ND	.00 ND					
24	.00 ND		.00 ND	.00 ND	AS							
25			.00 ND								.00 ND	AS
26									.00 ND	.00 ND		
27								.00 ND				
28		AF				.00 ND	.00 ND					
29	.00 ND			.00 ND	.00 ND							
30			AF									
31												.00 ND
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAL	OBSERVATIONS	: 54	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk ("*") indicates that the region has reviewed the value and does not concur with the qualifier.

(45810) 1,2,4-Trichlorobenzene

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT

POC: 2

SITE ID: 42-045-0109

MONITOR COMMENTS:

COUNTY: (045) Delaware

MONTELL

CITY: (47344) Marcus Hook

(045) METROPOLITAN PHILADELPHIA

URBAN AND CENTER CITY

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

PROBE HEIGHT:

ELEVATION-MSL: 0

120-82-1

RAW DATA REPORT Jul. 3, 2019

LATITUDE: 39.818715 SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania LONGITUDE: -75.413973

COUNTY: (045) Delaware CITY: (47344) Marcus Hook SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

(45810) 1,2,4-Trichlorobenzene

LAND USE: INDUSTRIAL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2015 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L SUBATM SS CANISTER ENTECH PRECO

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8											AS	AF
9								00.375	AS	.00 ND		
10 11		.00 ND				AS	.00 ND	.00 ND				
12	.00 ND	.00 ND		.00 ND	.00 ND	AS	.00 ND					
13	.00 ND		.00 ND	.00 ND	.00 ND							
14			.00 142								.00 ND	AF
15									.00 ND	.00 ND		
16								.00 ND				
17		.00 ND				.00 ND	.00 ND					
18	.00 ND			.00 ND	.00 ND							
19			.00 ND									
20											.00 ND	AS
21									.00 ND	.00 ND		
22								.00 ND				
2.3		.00 ND				.00 ND	.00 ND					
24	.00 ND			AF	.00 ND							
25			.00 ND									
26											AS	AM
27									AS	AS		
28						.00 ND	0.0 MD	.00 ND				
29 30	.00 ND			.00 ND	.00 ND	.00 ND	.00 ND					
31	.00 ND		.00 ND	.00 ND	.00 ND							
31												
NO.:	5	3	6	4	5	4	5	5	3	3	3	1
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUAI	OBSERVATIONS:	47	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

Jul. 3, 2019

LATITUDE: 39.818715 LONGITUDE: -75.413973

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL:

PROBE HEIGHT:

109-99-9

STATE: (42) Pennsylvania COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA CITY: (47344) Marcus Hook URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY

MONITOR COMMENTS:

SITE ID: 42-045-0109

(46401) Furan, tetrahydro-

POC: 2

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR

2013 MONITOR TYPE: SPM REPORT FOR:

UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco MIN DETECTABLE: (0851) Pennsylvania Department Of Environmental Protection

MONTH SEPTEMBER Day JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY AUGUST OCTOBER NOVEMBER DECEMBER 1 .00 ND .00 ND 2 .00 ND 3 .00 ND .00 ND .00 ND .00 ND .00 ND 4 .00 ND 5 .00 ND 6 .00 ND .00 ND 7 .00 ND .00 ND 8 .00 ND 9 .00 ND .00 ND .00 ND 10 .00 ND .00 ND .00 ND 11 .00 ND 12 .00 ND .00 ND 13 .00 ND .00 ND 14 .00 ND .00 ND 15 .00 ND .00 ND .00 ND .00 ND .00 ND 16 17 .00 ND 18 .00 ND .00 ND 19 AF .00 ND 20 .00 ND 21 .00 ND .00 ND .00 ND 22 .00 ND .00 ND .00 ND 23 .00 ND 24 .00 ND .00 ND 25 .00 ND .00 ND .00 ND 26 27 .00 ND .00 ND .00 ND 28 .00 ND .00 ND AF .00 ND 29 30 .00 ND .00 ND 31 .18 CC 5 5 5 5 NO.: 5 4 5 5 4 6 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 .18 0.00 0.00 MAX: 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 .030 0.000 0.000 MEAN: ANNUAL OBSERVATIONS: 59 ANNUAL MEAN: .003 ANNUAL MAX:

RAW DATA REPORT Jul. 3, 2019

> LATITUDE: 39.818715 -75.413973 LONGITUDE:

109-99-9

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(46401) Furan, tetrahydro-

(045) METROPOLITAN PHILADELPHIA CITY: (47344) Marcus Hook URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL LAND USE: INDUSTRIAL UTM EASTING: SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT LOCATION SETTING: URBAN AND CENTER CITY ELEVATION-MSL: 0 MONITOR COMMENTS: PROBE HEIGHT:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR 2014

MONITOR TYPE: SPM REPORT FOR: UNITS: Parts per billion Carbon COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.00 ND	.00 ND
2									.00 ND	.00 ND		
3								.00 ND				
4		.00 ND				.00 ND	.00 ND					
5	.27 QX			.00 ND	.00 ND							
6			.00 ND									
7											.00 ND	.00 ND
8									.00 ND	.00 ND		
9								.00 ND				
10		.00 ND				.00 ND	.00 ND					
11	.21 SQ			.00 ND	AS							
12			.00 ND									
13											3.18	.00 ND
14									.00 ND	AS		
15								.00 ND				
16		.00 ND				.00 ND	.00 ND					
17	.00 ND			.00 ND	.00 ND							
18			.00 ND									
19											.00 ND	.00 ND
20									.00 ND	.00 ND		
21								AF				
22		.00 ND				.00 ND	.00 ND					
23	.00 ND			.00 ND	AS							
24			.00 ND								00	3.0
25									0.0 MD	0.0 MD	.00 ND	AS
26 27								.00 ND	.00 ND	.00 ND		
28		AF				.00 ND	.00 ND	.UU ND				
28	.00 ND	nr.		.00 ND	.00 ND	.00 ND	.00 ND					
30	.00 ND		AF	.00 ND	.00 ND							
31			N.L.									.00 ND
NO.:	5	4	4	5	3	5	5	4	5	4	5	5
MAX:	.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.18	0.00
MEAN:	.096	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.636	0.000
ANNUA	L OBSERVATIONS	: 54	ANNUAL MEAN:	.068	ANNUAL MAX:	3.18						

Jul. 3, 2019

LATITUDE: 39.818715 -75.413973 LONGITUDE:

CAS NUMBER:

UTM ZONE:

PROBE HEIGHT:

109-99-9

SITE ID: 42-045-0109 POC: 2 STATE: (42) Pennsylvania COUNTY: (045) Delaware

(045) METROPOLITAN PHILADELPHIA

URBANIZED AREA: (6160) PHILADELPHIA, PA-NJ UTM NORTHING: LAND USE: INDUSTRIAL UTM EASTING: ELEVATION-MSL: 0

SITE COMMENTS: SPECIAL STUDY FOR ODOR COMPLAINT MONITOR COMMENTS:

(0851) Pennsylvania Department Of Environmental Protection

(46401) Furan, tetrahydro-

SITE ADDRESS: MARCUS HOOK ELEMENTARY SCHOOL

CITY: (47344) Marcus Hook

LOCATION SETTING: URBAN AND CENTER CITY

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR

2015 MONITOR TYPE: SPM REPORT FOR: COLLECTION AND ANALYSIS METHOD: (176) 6L Subatm SS Canister Entech Preco

UNITS: Parts per billion Carbon

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.00 ND									
2											.00 ND	.00 ND
3									.00 ND	AS		
4								.00 ND				
5		AF				.00 ND	.00 ND					
6	.00 ND			.00 ND	.00 ND							
7			.00 ND									
8 9									3.0	.00 ND	AS	AF
10								.00 ND	AS	.00 ND		
11		.00 ND				AS	.00 ND	.00 ND				
12	.00 ND	.00 112		.00 ND	.00 ND	110	.00 112					
13			.00 ND									
14											.00 ND	AF
15									.00 ND	.00 ND		
16								.00 ND				
17		.00 ND				.00 ND	.00 ND					
18	.00 ND			.00 ND	.00 ND							
19			.00 ND									
20											.00 ND	AS
21									.00 ND	.00 ND		
22								.00 ND				
23	00.170	.00 ND			00.370	.00 ND	.00 ND					
24 25	.00 ND		.00 ND	AF	.00 ND							
26			.00 ND								AS	.00 ND
27									AS	AS	AD	.00 ND
28								.00 ND	110	110		
29						.00 ND	.00 ND					
30	.00 ND			.00 ND	.00 ND							
31			.00 ND									
NO.:	5	3	6	4	5	4	5	5	3	3	3	2
MAX:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ANNUA	L OBSERVATIONS:	48	ANNUAL MEAN:	0.000	ANNUAL MAX:	0.00						

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

AIR QUALITY SYSTEM

RAW DATA REPORT Jul. 3, 2019

QUALIFIER CODES:

Qualifier Code	Qualifier Description	Qualifier Type
5	Outlier.	QA
AF	Scheduled but not Collected.	NULL
AM	Miscellaneous Void.	NULL
AS	Poor Quality Assurance Results.	NULL
CC	Clean Canister Residue.	QA
EH	Estimated; Exceeds Upper Range.	QA
LL	Analyte Identified; Reported Value May Be Biased Low.	QA
ND	No Value Detected, Zero Reported.	QA
QX	Does not meet QC criteria.	QA
SQ	Values Between SQL and MDL.	QA

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional concurrence are shown in lower case.