ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

PA Dept. of Env. Protection
Env Cleanup & Brownfields
PO Box 8471
Harrisburg PA 17105-8471

Report Date: March 16, 2016

Project: 1-290 Nockamixon

Submittal Date: 02/26/2016
Group Number: 1635476
SDG: PDY09
PO Number: 4000016590
Release Number: 1-290
State of Sample Origin: PA

Client Sample Description	Lancaster Labs (LL) #
30 Brennan Ambient Air	8261967
30 Brennan Air	8261968
84 Brennan Air	8261969
65 Brennan Air	8261970
338 Park-Ambient Air	8261971
338 Park Air	8261972
338 Park DUP Air	8261973
324 Park Air	8261974

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ .

Electronic Copy To	PA Dept. of Env. Protection	Attn: Ellen Davies
Electronic Copy To	PA Dept. of Env. Protection	Attn: Ann Asbury
Electronic Copy To	PA Dept. of Env. Protection	Attn: Dustin Armstrong

Respectfully Submitted,

Katherine A. Klinefelter

Katherine A. Klinefelter
Principal Specialist

(717) 556-7256

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Analysis Report

Sample Description: 30 Brennan Ambient Air
SummaCan# 263
1-290 Nockamixon

LL Sample # AQ 8261967
LL Group # 1635476
Account # 06195

Project Name: 1-290 Nockamixon

Collected: 02/24/2016 09:20 by ED
through 02/25/2016 09:10
Submitted: 02/26/2016 16:45
Reported: 03/16/2016 12:43

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Env Cleanup & Brownfields
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Harrisburg PA 17105-8471

08P01 SDG#: PDY09-01AB

CAT No.	Analysis Name	CAS Number	Final Result	MDL	Final Result	MDL	DF
Volatiles in Air	**EPA TO-15**		ug/m3	ug/m3	ppb(v)	ppb(v)	
05298	1,1-Dichloroethane	75-34-3	N.D.	0.81	N.D.	0.20	1
05298	1,2-Dichloroethane	107-06-2	N.D.	0.81	N.D.	0.20	1
05298	1,1-Dichloroethene	75-35-4	N.D.	0.79	N.D.	0.20	1
05298	cis-1,2-Dichloroethene	156-59-2	N.D.	0.79	N.D.	0.20	1
05298	trans-1,2-Dichloroethene	156-60-5	N.D.	0.79	N.D.	0.20	1
05298	Tetrachloroethene	127-18-4	N.D.	1.4	N.D.	0.20	1
05298	1,1,1-Trichloroethane	71-55-6	N.D.	1.1	N.D.	0.20	1
05298	1,1,2-Trichloroethane	79-00-5	N.D.	1.1	N.D.	0.20	1
05298	Trichloroethene	79-01-6	N.D.	1.1	N.D.	0.20	1
05298	Vinyl Chloride	75-01-4	N.D.	0.51	N.D.	0.20	1

MDL = Method Detection Limit

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/17.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05298	12.22 TO-15 VOA Extended List	EPA TO-15	1	E1606330AA	03/03/2016 19:12	Jacob E Bailey	1

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Analysis Report

Sample Description: 30 Brennan Air
SummaCan# 1241
1-290 Nockamixon

LL Sample # AQ 8261968
LL Group # 1635476
Account # 06195

Project Name: 1-290 Nockamixon

Collected: 02/24/2016 09:30 by ED
through 02/25/2016 09:15
Submitted: 02/26/2016 16:45
Reported: 03/16/2016 12:43

PA Dept. of Env. Protection
Env Cleanup & Brownfields
PO Box 8471
Harrisburg PA 17105-8471

08P02 SDG#: PDY09-02

CAT No.	Analysis Name	CAS Number	Final Result	MDL	Final Result	MDL	DF
Volatiles in Air	**EPA TO-15**		ug/m3	ug/m3	ppb(v)	ppb(v)	
05298	1,1-Dichloroethane	75-34-3	N.D.	0.81	N.D.	0.20	1
05298	1,2-Dichloroethane	107-06-2	N.D.	0.81	N.D.	0.20	1
05298	1,1-Dichloroethene	75-35-4	N.D.	0.79	N.D.	0.20	1
05298	cis-1,2-Dichloroethene	156-59-2	N.D.	0.79	N.D.	0.20	1
05298	trans-1,2-Dichloroethene	156-60-5	N.D.	0.79	N.D.	0.20	1
05298	Tetrachloroethene	127-18-4	N.D.	1.4	N.D.	0.20	1
05298	1,1,1-Trichloroethane	71-55-6	N.D.	1.1	N.D.	0.20	1
05298	1,1,2-Trichloroethane	79-00-5	N.D.	1.1	N.D.	0.20	1
05298	Trichloroethene	79-01-6	N.D.	1.1	N.D.	0.20	1
05298	Vinyl Chloride	75-01-4	N.D.	0.51	N.D.	0.20	1

MDL = Method Detection Limit

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/17.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05298	12.22 TO-15 VOA Extended List	EPA TO-15	1	E1606330AA	03/03/2016 19:44	Jacob E Bailey	1

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Analysis Report

Sample Description: 84 Brennan Air
SummaCan# 1284
1-290 Nockamixon

LL Sample # AQ 8261969
LL Group # 1635476
Account # 06195

Project Name: 1-290 Nockamixon

Collected: 02/24/2016 10:10 by ED
through 02/25/2016 10:10
Submitted: 02/26/2016 16:45
Reported: 03/16/2016 12:43

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Harrisburg PA 17105-8471

08P03 SDG#: PDY09-03

CAT No.	Analysis Name	CAS Number	Final Result		MDL	Final Result		MDL	DF
Volatiles in Air	**EPA TO-15**		ug/m3		ug/m3	ppb(v)		ppb(v)	
05298	1,1-Dichloroethane	75-34-3	N.D.		0.81	N.D.		0.20	1
05298	1,2-Dichloroethane	107-06-2	N.D.		0.81	N.D.		0.20	1
05298	1,1-Dichloroethene	75-35-4	N.D.		0.79	N.D.		0.20	1
05298	cis-1,2-Dichloroethene	156-59-2	1.4	J	0.79	0.36	J	0.20	1
05298	trans-1,2-Dichloroethene	156-60-5	N.D.		0.79	N.D.		0.20	1
05298	Tetrachloroethene	127-18-4	4.0	J	1.4	0.59	J	0.20	1
05298	1,1,1-Trichloroethane	71-55-6	N.D.		1.1	N.D.		0.20	1
05298	1,1,2-Trichloroethane	79-00-5	N.D.		1.1	N.D.		0.20	1
05298	Trichloroethene	79-01-6	4.0	J	1.1	0.75	J	0.20	1
05298	Vinyl Chloride	75-01-4	N.D.		0.51	N.D.		0.20	1

MDL = Method Detection Limit

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/17.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05298	12.22 TO-15 VOA Extended List	EPA TO-15	1	E1606330AA	03/03/2016 20:15	Jacob E Bailey	1

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Analysis Report

Sample Description: 65 Brennan Air
SummaCan# 1277
1-290 Nockamixon

LL Sample # AQ 8261970
LL Group # 1635476
Account # 06195

Project Name: 1-290 Nockamixon

Collected: 02/24/2016 10:40 by ED
through 02/25/2016 10:30
Submitted: 02/26/2016 16:45
Reported: 03/16/2016 12:43

PA Dept. of Env. Protection
Env Cleanup & Brownfields
PO Box 8471
Harrisburg PA 17105-8471

08P04 SDG#: PDY09-04

CAT No.	Analysis Name	CAS Number	Final Result	MDL	Final Result	MDL	DF
Volatiles in Air	**EPA TO-15**		ug/m3	ug/m3	ppb(v)	ppb(v)	
05298	1,1-Dichloroethane	75-34-3	N.D.	0.81	N.D.	0.20	1
05298	1,2-Dichloroethane	107-06-2	N.D.	0.81	N.D.	0.20	1
05298	1,1-Dichloroethene	75-35-4	4.2	0.79	1.0	0.20	1
05298	cis-1,2-Dichloroethene	156-59-2	6.1	0.79	1.5	0.20	1
05298	trans-1,2-Dichloroethene	156-60-5	N.D.	0.79	N.D.	0.20	1
05298	Tetrachloroethene	127-18-4	6.3 J	1.4	0.93 J	0.20	1
05298	1,1,1-Trichloroethane	71-55-6	7.4	1.1	1.4	0.20	1
05298	1,1,2-Trichloroethane	79-00-5	N.D.	1.1	N.D.	0.20	1
05298	Trichloroethene	79-01-6	27	1.1	5.0	0.20	1
05298	Vinyl Chloride	75-01-4	N.D.	0.51	N.D.	0.20	1

MDL = Method Detection Limit

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/17.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05298	12.22 TO-15 VOA Extended List	EPA TO-15	1	E1606330AA	03/03/2016 20:47	Jacob E Bailey	1

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Analysis Report

Sample Description: 338 Park-Ambient Air
SummaCan# 856
1-290 Nockamixon

LL Sample # AQ 8261971
LL Group # 1635476
Account # 06195

Project Name: 1-290 Nockamixon

Collected: 02/24/2016 11:10 by ED
through 02/25/2016 11:13
Submitted: 02/26/2016 16:45
Reported: 03/16/2016 12:43

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08P05 SDG#: PDY09-05AB

CAT No.	Analysis Name	CAS Number	Final Result	MDL	Final Result	MDL	DF
Volatiles in Air	**EPA TO-15**		ug/m3	ug/m3	ppb(v)	ppb(v)	
05298	1,1-Dichloroethane	75-34-3	N.D.	0.81	N.D.	0.20	1
05298	1,2-Dichloroethane	107-06-2	N.D.	0.81	N.D.	0.20	1
05298	1,1-Dichloroethene	75-35-4	N.D.	0.79	N.D.	0.20	1
05298	cis-1,2-Dichloroethene	156-59-2	N.D.	0.79	N.D.	0.20	1
05298	trans-1,2-Dichloroethene	156-60-5	N.D.	0.79	N.D.	0.20	1
05298	Tetrachloroethene	127-18-4	N.D.	1.4	N.D.	0.20	1
05298	1,1,1-Trichloroethane	71-55-6	N.D.	1.1	N.D.	0.20	1
05298	1,1,2-Trichloroethane	79-00-5	N.D.	1.1	N.D.	0.20	1
05298	Trichloroethene	79-01-6	N.D.	1.1	N.D.	0.20	1
05298	Vinyl Chloride	75-01-4	N.D.	0.51	N.D.	0.20	1

MDL = Method Detection Limit

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/17.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05298	12.22 TO-15 VOA Extended List	EPA TO-15	1	E1606330AA	03/03/2016 21:19	Jacob E Bailey	1

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Analysis Report

Sample Description: 338 Park Air
SummaCan# 1199
1-290 Nockamixon

LL Sample # AQ 8261972
LL Group # 1635476
Account # 06195

Project Name: 1-290 Nockamixon

Collected: 02/24/2016 11:20 by ED
through 02/25/2016 11:20
Submitted: 02/26/2016 16:45
Reported: 03/16/2016 12:43

PA Dept. of Env. Protection
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PO Box 8471
Harrisburg PA 17105-8471

08P06 SDG#: PDY09-06

CAT No.	Analysis Name	CAS Number	Final Result	MDL	Final Result	MDL	DF
Volatiles in Air	**EPA TO-15**		ug/m3	ug/m3	ppb(v)	ppb(v)	
05298	1,1-Dichloroethane	75-34-3	N.D.	0.81	N.D.	0.20	1
05298	1,2-Dichloroethane	107-06-2	N.D.	0.81	N.D.	0.20	1
05298	1,1-Dichloroethene	75-35-4	N.D.	0.79	N.D.	0.20	1
05298	cis-1,2-Dichloroethene	156-59-2	N.D.	0.79	N.D.	0.20	1
05298	trans-1,2-Dichloroethene	156-60-5	N.D.	0.79	N.D.	0.20	1
05298	Tetrachloroethene	127-18-4	4.7 J	1.4	0.70 J	0.20	1
05298	1,1,1-Trichloroethane	71-55-6	6.0	1.1	1.1	0.20	1
05298	1,1,2-Trichloroethane	79-00-5	N.D.	1.1	N.D.	0.20	1
05298	Trichloroethene	79-01-6	N.D.	1.1	N.D.	0.20	1
05298	Vinyl Chloride	75-01-4	N.D.	0.51	N.D.	0.20	1

MDL = Method Detection Limit

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/17.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05298	12.22 TO-15 VOA Extended List	EPA TO-15	1	E1606330AA	03/03/2016 22:01	Jacob E Bailey	1

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Analysis Report

Sample Description: 338 Park DUP Air
SummaCan# 1133
1-290 Nockamixon

LL Sample # AQ 8261973
LL Group # 1635476
Account # 06195

Project Name: 1-290 Nockamixon

Collected: 02/24/2016 11:20 by ED
through 02/25/2016 11:20
Submitted: 02/26/2016 16:45
Reported: 03/16/2016 12:43

PA Dept. of Env. Protection
Env Cleanup & Brownfields
PO Box 8471
Harrisburg PA 17105-8471

08P07 SDG#: PDY09-07FD

CAT No.	Analysis Name	CAS Number	Final Result	MDL	Final Result	MDL	DF
Volatiles in Air	**EPA TO-15**		ug/m3	ug/m3	ppb(v)	ppb(v)	
05298	1,1-Dichloroethane	75-34-3	N.D.	0.81	N.D.	0.20	1
05298	1,2-Dichloroethane	107-06-2	N.D.	0.81	N.D.	0.20	1
05298	1,1-Dichloroethene	75-35-4	N.D.	0.79	N.D.	0.20	1
05298	cis-1,2-Dichloroethene	156-59-2	N.D.	0.79	N.D.	0.20	1
05298	trans-1,2-Dichloroethene	156-60-5	N.D.	0.79	N.D.	0.20	1
05298	Tetrachloroethene	127-18-4	4.7 J	1.4	0.69 J	0.20	1
05298	1,1,1-Trichloroethane	71-55-6	5.6	1.1	1.0	0.20	1
05298	1,1,2-Trichloroethane	79-00-5	N.D.	1.1	N.D.	0.20	1
05298	Trichloroethene	79-01-6	N.D.	1.1	N.D.	0.20	1
05298	Vinyl Chloride	75-01-4	N.D.	0.51	N.D.	0.20	1

MDL = Method Detection Limit

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/17.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05298	12.22 TO-15 VOA Extended List	EPA TO-15	1	E1606330AA	03/03/2016 22:33	Jacob E Bailey	1

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Analysis Report

Sample Description: 324 Park Air
SummaCan# 1294
1-290 Nockamixon

LL Sample # AQ 8261974
LL Group # 1635476
Account # 06195

Project Name: 1-290 Nockamixon

Collected: 02/24/2016 11:50 by ED
through 02/25/2016 11:35
Submitted: 02/26/2016 16:45
Reported: 03/16/2016 12:43

PA Dept. of Env. Protection
Env Cleanup & Brownfields
PO Box 8471
Harrisburg PA 17105-8471

08P08 SDG#: PDY09-08

CAT No.	Analysis Name	CAS Number	Final Result		MDL	Final Result		MDL	DF
Volatiles in Air	**EPA TO-15**		ug/m3		ug/m3	ppb(v)		ppb(v)	
05298	1,1-Dichloroethane	75-34-3	N.D.		0.81	N.D.		0.20	1
05298	1,2-Dichloroethane	107-06-2	N.D.		0.81	N.D.		0.20	1
05298	1,1-Dichloroethene	75-35-4	N.D.		0.79	N.D.		0.20	1
05298	cis-1,2-Dichloroethene	156-59-2	N.D.		0.79	N.D.		0.20	1
05298	trans-1,2-Dichloroethene	156-60-5	N.D.		0.79	N.D.		0.20	1
05298	Tetrachloroethene	127-18-4	1.5	J	1.4	0.22	J	0.20	1
05298	1,1,1-Trichloroethane	71-55-6	4.6	J	1.1	0.84	J	0.20	1
05298	1,1,2-Trichloroethane	79-00-5	N.D.		1.1	N.D.		0.20	1
05298	Trichloroethene	79-01-6	N.D.		1.1	N.D.		0.20	1
05298	Vinyl Chloride	75-01-4	N.D.		0.51	N.D.		0.20	1

MDL = Method Detection Limit

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/17.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
05298	12.22 TO-15 VOA Extended List	EPA TO-15	1	E1606330AA	03/03/2016 23:04	Jacob E Bailey	1

Quality Control Summary

Client Name: PA Dept. of Env. Protection
Reported: 03/16/2016 12:43

Group Number: 1635476

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result ug/m3	MDL ug/m3
Batch number: E1606330AA	Sample number(s): 8261967-8261974	
1,1-Dichloroethane	N.D.	0.81
1,2-Dichloroethane	N.D.	0.81
1,1-Dichloroethene	N.D.	0.79
cis-1,2-Dichloroethene	N.D.	0.79
trans-1,2-Dichloroethene	N.D.	0.79
Tetrachloroethene	N.D.	1.4
1,1,1-Trichloroethane	N.D.	1.1
1,1,2-Trichloroethane	N.D.	1.1
Trichloroethene	N.D.	1.1
Vinyl Chloride	N.D.	0.51

LCS/LCSD

Analysis Name	LCS Spike Added ug/m3	LCS Conc ug/m3	LCSD Spike Added ug/m3	LCSD Conc ug/m3	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: E1606330AA	Sample number(s): 8261967-8261974								
1,1-Dichloroethane	40.88	43.23	40.88	44.16	106	108	67-124	2	25
1,2-Dichloroethane	42.09	45.05	42.09	44.95	107	107	70-130	0	25
1,1-Dichloroethene	39.65	41.22	39.65	41.77	104	105	61-128	1	25
cis-1,2-Dichloroethene	41.63	44.61	41.63	45.03	107	108	65-121	1	25
trans-1,2-Dichloroethene	39.65	42.54	39.65	42.53	107	107	66-121	0	25
Tetrachloroethene	72.57	67.46	72.57	67.33	93	93	70-130	0	25
1,1,1-Trichloroethane	56.2	56.47	56.2	56.22	100	100	70-130	0	25
1,1,2-Trichloroethane	57.83	61.25	57.83	60.43	106	104	59-131	1	25
Trichloroethene	55.35	53.94	55.35	53.18	97	96	70-130	1	25
Vinyl Chloride	25.82	27.21	25.82	27.19	105	105	70-130	0	25

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Summa Canister Field Test Data/Chain of Custody

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Acct. # 6195 Group # 1635476 Sample # 8261967-79 Bottle Order (SCR) # _____

Client Information

Client: PADEP — Account # 06195 — 2E. Main St, Norristown, PA 19401

Project Name/#: Nockamixon I-290

Project Manager: D. Armstrong — P.O. # 184420

Sampler: E. Davies / D. Armstrong — Quote #

Name of state where samples were collected: PA

Turnaround Time Requested (TAT) (circle one)

Standard — Rush (specify) _____

Data Package Required? Yes No

EDD Required? Yes No

	Temperature (F) Start	Temperature (F) Stop	Pressure ("Hg) Start	Pressure ("Hg) Stop
Ambient				
Maximum				
Minimum				

Analyses Requested

EPA TO - 15 - Site List; EPA 18; ☐ BTEX ☐ MTBE; EPA 25 (select range below); Helium as tracer; O2/CO2; Library Search

Sample Identification	Start Date/Time (24-hour clock)	Stop Date/Time (24-hour clock)	Canister Pressure in Field ("Hg) (Start)	Canister Pressure in Field ("Hg) (Stop)	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Flow Reg. ID	Can ID	Can Size (L)	Controller Flowrate (mL/min)	EPA TO - 15 - Site List	EPA 18	EPA 25	Helium as tracer	O2/CO2	Library Search
30 Brennan Ambient	2/24 0920	2/25/16 0910	-28.3	-18.0	39	45	337358	263	6	3.57	X					
30 Brennan	2/24 0930	2/25/16 0915	-30.0	-9.0	68	66	338048	1241	6	3.56						
84 Brennan	2/24 1010	2/25/16 1010	-29.5	-8.0	60	60	415305	1284	6	3.56						
65 Brennan *	2/24 1040	2/25/16 1030	-15.0	0	65	65	338067	1277	6	3.56						
338 Park-Ambient	2/24 1110	2/25/16 1113	-30.0	-10.0	41	45	301068	856	6	3.60						
338 Park *	2/24 1120	2/25/16 1120	-28.5	0	63	63	336709	1194	6	3.57						
338 Park Dup	2/24 1120	2/25/16 1120	-27.5	-3.0	63	63	339290	1133	6	3.55						
324 Park	2/24 1150	2/25/16 1135	-29.0	-11.0	58	58	336714	1294	6	3.64						

Instructions/QC Requirements & Comments

* Canister @ 0 when picked up.
Adapters are in LAWN AVE 1-001, Bag

EPA 25 (check one) ☐ C1 - C4 ☐ C2 - C10 ☐ C1 - C10 ☐ C4 - C10 (GRO) ☐ C2 - C4

Canisters Shipped by:	Date/Time: 2-26-16 11:10	Canisters Received by:	Date/Time: 2-25-16	Relinquished by:	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time: 2-25-16 1645	Received by:	Date/Time:	Relinquished by:	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Relinquished by:	Date/Time:	Received by:	Date/Time: 2/26/16 1645

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The white copy should accompany samples to Eurofins Lancaster Laboratories Environmental. The yellow copy should be retained by the client.

7056 1015

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Sample Administration Receipt Documentation Log

Doc Log ID: 137670

Group Number(s): 1635476

Client: PADEP

1-290

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	02/26/2016 16:45
Number of Packages:	7	Number of Projects:	2
State/Province of Origin:	PA		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	N/A	VOA Vial Headspace ≥ 6mm:	N/A
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	Yes
Missing Samples:	No	Air Quality Flow Controllers Present:	Yes
Extra Samples:	No	Flow Controller Quantity:	8
Discrepancy in Container Qty on COC:	No	Air Quality Returns:	No

Unpacked by Katherine Metzger (2241) at 19:57 on 02/26/2016

General Comments: Summa #1194 on COC = Summa #1199 on canister

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

B - Analyte detected in the blank
C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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