



ANALYTICAL REPORT

Lab Number: L0909636

Client: EA Engineering, Science and Tech
6712 Brooklawn Parkway
Suite 104
Syracuse, NY 13211

ATTN: Dan Cullican

Project Name: PENDAFLEX

Project Number: 14368.35

Report Date: 07/22/09

Certifications & Approvals: MA (M-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LAO00299), ME (MA0030), PA (Registration #68-02089), LA NELAC (03090), FL NELAC (E87814), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: PENDAFLEX
Project Number: 14368.35

Lab Number: L0909636
Report Date: 07/22/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0909636-01	1-30-185-SV01	GARDEN CITY, NY	07/14/09 20:10
L0909636-02	1-30-185-SV02	GARDEN CITY, NY	07/14/09 20:25
L0909636-03	1-30-185-SV03	GARDEN CITY, NY	07/14/09 20:30
L0909636-04	1-30-185-SV04	GARDEN CITY, NY	07/14/09 20:35
L0909636-05	1-30-185-SV-DUP	GARDEN CITY, NY	07/14/09 00:00

Project Name: PENDAFLEX
Project Number: 14368.35

Lab Number: L0909636
Report Date: 07/22/09

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Volatile Organics in Air (Low Level)

L0909636-01 was re-analyzed on dilution in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

L0909636-02 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample. The sample was re-analyzed due to over dilution of the original analysis. The results of the re-analysis are reported.

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Case Narrative (continued)

L0909636-05 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample. The results for Acetone should be considered estimated due to co-elution with a non-target peak.

The WG371499-3 LCS recovery for Vinyl acetate (133%) is outside the 70%-130% acceptance limit. The LCS was within overall method allowances, therefore the analysis proceeded.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Title: Technical Director/Representative

Date: 07/22/09

AIR

Project Name: PENDAFLEX

Lab Number: L0909636

Project Number: 14368.35

Report Date: 07/22/09

SAMPLE RESULTS

Lab ID: L0909636-01
 Client ID: 1-30-185-SV01
 Sample Location: GARDEN CITY, NY
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 07/18/09 01:20
 Analyst: RY

Date Collected: 07/14/09 20:10
 Date Received: 07/16/09
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	6.77	0.200	33.2	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	1.87	0.200	9.20	0.982		1
1,3-Butadiene	1.48	0.200	3.27	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	2.33	0.200	6.88	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	1.62	0.200	7.95	0.982		1
Acetone	37.9	0.500	90.0	1.19		1
Benzene	0.804	0.200	2.57	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1



Project Name: PENDAFLEX**Lab Number:** L0909636**Project Number:** 14368.35**Report Date:** 07/22/09**SAMPLE RESULTS**

Lab ID: L0909636-01
 Client ID: 1-30-185-SV01
 Sample Location: GARDEN CITY, NY

Date Collected: 07/14/09 20:10
 Date Received: 07/16/09
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	1.31	0.200	4.08	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	0.416	0.200	0.858	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	0.218	0.200	0.750	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	0.492	0.200	2.43	0.988		1
Ethanol	ND	2.50	ND	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	6.92	0.200	30.0	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	0.939	0.500	2.31	1.23		1
Methylene chloride	0.544	0.500	1.89	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	22.1	0.400	96.0	1.74		1
o-Xylene	6.35	0.200	27.5	0.868		1
Heptane	0.607	0.200	2.48	0.819		1
n-Hexane	1.05	0.200	3.70	0.704		1
Propylene	22.8	0.200	39.2	0.344		1



Project Name: PENDAFLEX

Lab Number: L0909636

Project Number: 14368.35

Report Date: 07/22/09

SAMPLE RESULTS

Lab ID: L0909636-01

Date Collected: 07/14/09 20:10

Client ID: 1-30-185-SV01

Date Received: 07/16/09

Sample Location: GARDEN CITY, NY

Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	3.45	0.200	14.7	0.851		1
Tetrachloroethene	0.374	0.200	2.54	1.36		1
Tetrahydrofuran	0.463	0.200	1.36	0.589		1
Toluene	11.6	0.200	43.8	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	109	0.200	585	1.07	E	1
Trichlorofluoromethane	0.307	0.200	1.72	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: PENDAFLEX**Lab Number:** L0909636**Project Number:** 14368.35**Report Date:** 07/22/09**SAMPLE RESULTS**

Lab ID: L0909636-01 R/D

Date Collected: 07/14/09 20:10

Client ID: 1-30-185-SV01

Date Received: 07/16/09

Sample Location: GARDEN CITY, NY

Field Prep: Not Specified

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 07/18/09 10:23

Analyst: RY

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organics in Air (Low Level) - Mansfield Lab						
Trichloroethene	104	0.500	559	2.68		2.5

Project Name: PENDAFLEX

Lab Number: L0909636

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Report Date: 07/22/09

SAMPLE RESULTS

Lab ID: L0909636-02 R/D
 Client ID: 1-30-185-SV02
 Sample Location: GARDEN CITY, NY
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 07/18/09 11:01
 Analyst: RY

Date Collected: 07/14/09 20:25
 Date Received: 07/16/09
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	14.4	ND	78.4		71.89
1,1,2,2-Tetrachloroethane	ND	14.4	ND	98.6		71.89
1,1,2-Trichloroethane	ND	14.4	ND	78.4		71.89
1,1-Dichloroethane	ND	14.4	ND	58.1		71.89
1,1-Dichloroethene	ND	14.4	ND	57.0		71.89
1,2,4-Trichlorobenzene	ND	14.4	ND	107.		71.89
1,2,4-Trimethylbenzene	ND	14.4	ND	70.6		71.89
1,2-Dibromoethane	ND	14.4	ND	110.		71.89
1,2-Dichlorobenzene	ND	14.4	ND	86.4		71.89
1,2-Dichloroethane	ND	14.4	ND	58.1		71.89
1,2-Dichloropropane	ND	14.4	ND	66.4		71.89
1,3,5-Trimethybenzene	ND	14.4	ND	70.6		71.89
1,3-Butadiene	ND	14.4	ND	31.8		71.89
1,3-Dichlorobenzene	ND	14.4	ND	86.4		71.89
1,4-Dichlorobenzene	ND	14.4	ND	86.4		71.89
1,4-Dioxane	ND	14.4	ND	51.8		71.89
2,2,4-Trimethylpentane	ND	14.4	ND	67.1		71.89
2-Butanone	ND	14.4	ND	42.4		71.89
2-Hexanone	ND	14.4	ND	58.8		71.89
3-Chloropropene	ND	14.4	ND	45.0		71.89
4-Ethyltoluene	ND	14.4	ND	70.6		71.89
Acetone	65.2	35.9	155	85.3		71.89
Benzene	ND	14.4	ND	45.9		71.89
Benzyl chloride	ND	14.4	ND	74.4		71.89
Bromodichloromethane	ND	14.4	ND	96.3		71.89



Project Name: PENDAFLEX**Lab Number:** L0909636**Project Number:** 14368.35**Report Date:** 07/22/09**SAMPLE RESULTS**

Lab ID: L0909636-02 R/D

Date Collected: 07/14/09 20:25

Client ID: 1-30-185-SV02

Date Received: 07/16/09

Sample Location: GARDEN CITY, NY

Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	14.4	ND	148.		71.89
Bromomethane	ND	14.4	ND	55.8		71.89
Carbon disulfide	ND	14.4	ND	44.7		71.89
Carbon tetrachloride	ND	14.4	ND	90.4		71.89
Chlorobenzene	ND	14.4	ND	66.1		71.89
Chloroethane	ND	14.4	ND	37.9		71.89
Chloroform	ND	14.4	ND	70.1		71.89
Chloromethane	ND	14.4	ND	29.7		71.89
cis-1,2-Dichloroethene	151	14.4	598	57.0		71.89
cis-1,3-Dichloropropene	ND	14.4	ND	65.2		71.89
Cyclohexane	ND	14.4	ND	49.4		71.89
Dibromochloromethane	ND	14.4	ND	122.		71.89
Dichlorodifluoromethane	ND	14.4	ND	71.0		71.89
Ethanol	ND	180	ND	338		71.89
Ethyl Acetate	ND	35.9	ND	129.		71.89
Ethylbenzene	25.8	14.4	112	62.4		71.89
Freon-113	ND	14.4	ND	110.		71.89
Freon-114	ND	14.4	ND	100.		71.89
Hexachlorobutadiene	ND	14.4	ND	153.		71.89
Isopropanol	ND	35.9	ND	88.3		71.89
Methylene chloride	ND	35.9	ND	125		71.89
4-Methyl-2-pentanone	ND	14.4	ND	58.8		71.89
Methyl tert butyl ether	ND	14.4	ND	51.8		71.89
p/m-Xylene	58.0	28.8	252	125		71.89
o-Xylene	16.4	14.4	71.2	62.4		71.89
Heptane	ND	14.4	ND	58.9		71.89
n-Hexane	ND	14.4	ND	50.6		71.89
Propylene	34.4	14.4	59.1	24.7		71.89



Project Name: PENDAFLEX

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SAMPLE RESULTS

Lab ID: L0909636-02 R/D

Date Collected: 07/14/09 20:25

Client ID: 1-30-185-SV02

Date Received: 07/16/09

Sample Location: GARDEN CITY, NY

Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	ND	14.4	ND	61.2		71.89
Tetrachloroethene	4000	14.4	27100	97.4		71.89
Tetrahydrofuran	ND	14.4	ND	42.4		71.89
Toluene	24.7	14.4	93.1	54.1		71.89
trans-1,2-Dichloroethene	ND	14.4	ND	57.0		71.89
trans-1,3-Dichloropropene	ND	14.4	ND	65.2		71.89
Trichloroethene	574	14.4	3080	77.2		71.89
Trichlorofluoromethane	ND	14.4	ND	80.7		71.89
Vinyl acetate	ND	14.4	ND	50.6		71.89
Vinyl bromide	ND	14.4	ND	62.8		71.89
Vinyl chloride	ND	14.4	ND	36.7		71.89

Project Name: PENDAFLEX**Lab Number:** L0909636**Project Number:** 14368.35**Report Date:** 07/22/09**SAMPLE RESULTS**

Lab ID: L0909636-03
Client ID: 1-30-185-SV03
Sample Location: GARDEN CITY, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/18/09 02:37
Analyst: RY

Date Collected: 07/14/09 20:30
Date Received: 07/16/09
Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	0.290	0.200	1.58	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	5.99	0.200	29.4	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	1.63	0.200	8.02	0.982		1
1,3-Butadiene	0.581	0.200	1.28	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	0.234	0.200	1.41	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	0.312	0.200	1.46	0.934		1
2-Butanone	2.09	0.200	6.15	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	1.49	0.200	7.31	0.982		1
Acetone	15.3	0.500	36.3	1.19		1
Benzene	0.908	0.200	2.90	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1



Project Name: PENDAFLEX

Lab Number: L0909636

Project Number: 14368.35

Report Date: 07/22/09

SAMPLE RESULTS

Lab ID: L0909636-03
 Client ID: 1-30-185-SV03
 Sample Location: GARDEN CITY, NY

Date Collected: 07/14/09 20:30
 Date Received: 07/16/09
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	1.42	0.200	4.41	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	ND	0.200	ND	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	0.203	0.200	0.698	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	0.337	0.200	1.66	0.988		1
Ethanol	3.20	2.50	6.03	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	33.6	0.200	146	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	1.07	0.500	2.64	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	68.2	0.400	296	1.74		1
o-Xylene	12.2	0.200	52.9	0.868		1
Heptane	1.49	0.200	6.12	0.819		1
n-Hexane	1.75	0.200	6.18	0.704		1
Propylene	11.3	0.200	19.5	0.344		1



Project Name: PENDAFLEX

Lab Number: L0909636

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SAMPLE RESULTS

Lab ID: L0909636-03

Date Collected: 07/14/09 20:30

Client ID: 1-30-185-SV03

Date Received: 07/16/09

Sample Location: GARDEN CITY, NY

Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	2.87	0.200	12.2	0.851		1
Tetrachloroethene	31.2	0.200	211	1.36		1
Tetrahydrofuran	0.351	0.200	1.03	0.589		1
Toluene	22.1	0.200	83.4	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	2.38	0.200	12.8	1.07		1
Trichlorofluoromethane	0.268	0.200	1.50	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: PENDAFLEX

Lab Number: L0909636

Project Number: 14368.35

Report Date: 07/22/09

SAMPLE RESULTS

Lab ID: L0909636-04
 Client ID: 1-30-185-SV04
 Sample Location: GARDEN CITY, NY
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 07/18/09 03:55
 Analyst: RY

Date Collected: 07/14/09 20:35
 Date Received: 07/16/09
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	8.67	0.200	42.6	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	2.40	0.200	11.8	0.982		1
1,3-Butadiene	0.727	0.200	1.61	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	0.568	0.200	3.41	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	1.66	0.200	7.75	0.934		1
2-Butanone	1.65	0.200	4.85	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	2.40	0.200	11.8	0.982		1
Acetone	13.8	0.500	32.7	1.19		1
Benzene	1.13	0.200	3.61	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1



Project Name: PENDAFLEX**Lab Number:** L0909636**Project Number:** 14368.35**Report Date:** 07/22/09**SAMPLE RESULTS**

Lab ID: L0909636-04
 Client ID: 1-30-185-SV04
 Sample Location: GARDEN CITY, NY

Date Collected: 07/14/09 20:35
 Date Received: 07/16/09
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	0.750	0.200	2.33	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	ND	0.200	ND	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	0.238	0.200	0.818	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	0.625	0.200	3.09	0.988		1
Ethanol	3.10	2.50	5.83	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	5.74	0.200	24.9	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	0.330	0.200	2.30	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	1.26	0.500	3.10	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	21.8	0.400	94.6	1.74		1
o-Xylene	8.05	0.200	34.9	0.868		1
Heptane	1.34	0.200	5.50	0.819		1
n-Hexane	1.57	0.200	5.53	0.704		1
Propylene	10.1	0.200	17.4	0.344		1



Project Name: PENDAFLEX

Lab Number: L0909636

Project Number: 14368.35

Report Date: 07/22/09

SAMPLE RESULTS

Lab ID: L0909636-04

Date Collected: 07/14/09 20:35

Client ID: 1-30-185-SV04

Date Received: 07/16/09

Sample Location: GARDEN CITY, NY

Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	4.97	0.200	21.1	0.851		1
Tetrachloroethene	18.2	0.200	124	1.36		1
Tetrahydrofuran	0.677	0.200	2.00	0.589		1
Toluene	16.4	0.200	61.8	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	0.402	0.200	2.26	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: PENDAFLEX

Lab Number: L0909636

Project Number: 14368.35

Report Date: 07/22/09

SAMPLE RESULTS

Lab ID: L0909636-05
 Client ID: 1-30-185-SV-DUP
 Sample Location: GARDEN CITY, NY
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 07/18/09 04:34
 Analyst: RY

Date Collected: 07/14/09 00:00
 Date Received: 07/16/09
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	14.8	ND	81.0		74.29
1,1,2,2-Tetrachloroethane	ND	14.8	ND	102.		74.29
1,1,2-Trichloroethane	ND	14.8	ND	81.0		74.29
1,1-Dichloroethane	ND	14.8	ND	60.1		74.29
1,1-Dichloroethene	ND	14.8	ND	58.9		74.29
1,2,4-Trichlorobenzene	ND	14.8	ND	110.		74.29
1,2,4-Trimethylbenzene	ND	14.8	ND	73.0		74.29
1,2-Dibromoethane	ND	14.8	ND	114.		74.29
1,2-Dichlorobenzene	ND	14.8	ND	89.2		74.29
1,2-Dichloroethane	ND	14.8	ND	60.1		74.29
1,2-Dichloropropane	ND	14.8	ND	68.6		74.29
1,3,5-Trimethybenzene	ND	14.8	ND	73.0		74.29
1,3-Butadiene	ND	14.8	ND	32.8		74.29
1,3-Dichlorobenzene	ND	14.8	ND	89.2		74.29
1,4-Dichlorobenzene	ND	14.8	ND	89.2		74.29
1,4-Dioxane	ND	14.8	ND	53.5		74.29
2,2,4-Trimethylpentane	ND	14.8	ND	69.4		74.29
2-Butanone	ND	14.8	ND	43.8		74.29
2-Hexanone	ND	14.8	ND	60.8		74.29
3-Chloropropene	ND	14.8	ND	46.5		74.29
4-Ethyltoluene	ND	14.8	ND	73.0		74.29
Acetone	65.7	37.1	156	88.2		74.29
Benzene	14.8	14.8	ND	47.4		74.29
Benzyl chloride	ND	14.8	ND	76.9		74.29
Bromodichloromethane	ND	14.8	ND	99.5		74.29



Project Name: PENDAFLEX**Lab Number:** L0909636**Project Number:** 14368.35**Report Date:** 07/22/09**SAMPLE RESULTS****Lab ID:** L0909636-05**Date Collected:** 07/14/09 00:00**Client ID:** 1-30-185-SV-DUP**Date Received:** 07/16/09**Sample Location:** GARDEN CITY, NY**Field Prep:** Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	14.8	ND	153.		74.29
Bromomethane	ND	14.8	ND	57.6		74.29
Carbon disulfide	ND	14.8	ND	46.2		74.29
Carbon tetrachloride	ND	14.8	ND	93.4		74.29
Chlorobenzene	ND	14.8	ND	68.3		74.29
Chloroethane	ND	14.8	ND	39.2		74.29
Chloroform	ND	14.8	ND	72.5		74.29
Chloromethane	ND	14.8	ND	30.6		74.29
cis-1,2-Dichloroethene	140	14.8	555	58.9		74.29
cis-1,3-Dichloropropene	ND	14.8	ND	67.4		74.29
Cyclohexane	ND	14.8	ND	51.1		74.29
Dibromochloromethane	ND	14.8	ND	126.		74.29
Dichlorodifluoromethane	ND	14.8	ND	73.4		74.29
Ethanol	ND	186	ND	350		74.29
Ethyl Acetate	ND	37.1	ND	134.		74.29
Ethylbenzene	22.0	14.8	95.7	64.5		74.29
Freon-113	ND	14.8	ND	114.		74.29
Freon-114	ND	14.8	ND	104.		74.29
Hexachlorobutadiene	ND	14.8	ND	158.		74.29
Isopropanol	ND	37.1	ND	91.2		74.29
Methylene chloride	ND	37.1	ND	129		74.29
4-Methyl-2-pentanone	ND	14.8	ND	60.8		74.29
Methyl tert butyl ether	ND	14.8	ND	53.5		74.29
p/m-Xylene	47.9	29.7	208	129		74.29
o-Xylene	ND	14.8	ND	64.5		74.29
Heptane	ND	14.8	ND	60.8		74.29
n-Hexane	16.2	14.8	57.0	52.3		74.29
Propylene	47.7	14.8	82.0	25.6		74.29



Project Name: PENDAFLEX**Lab Number:** L0909636**Project Number:** 14368.35**Report Date:** 07/22/09**SAMPLE RESULTS****Lab ID:** L0909636-05**Date Collected:** 07/14/09 00:00**Client ID:** 1-30-185-SV-DUP**Date Received:** 07/16/09**Sample Location:** GARDEN CITY, NY**Field Prep:** Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	ND	14.8	ND	63.2		74.29
Tetrachloroethene	3380	14.8	22900	101		74.29
Tetrahydrofuran	ND	14.8	ND	43.8		74.29
Toluene	24.0	14.8	90.4	55.9		74.29
trans-1,2-Dichloroethene	ND	14.8	ND	58.9		74.29
trans-1,3-Dichloropropene	ND	14.8	ND	67.4		74.29
Trichloroethene	504	14.8	2710	79.8		74.29
Trichlorofluoromethane	ND	14.8	ND	83.4		74.29
Vinyl acetate	ND	14.8	ND	52.3		74.29
Vinyl bromide	ND	14.8	ND	64.9		74.29
Vinyl chloride	ND	14.8	ND	37.9		74.29

Project Name: PENDAFLEX

Lab Number: L0909636

Project Number: 14368.35

Report Date: 07/22/09

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/17/09 20:46

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-05 Batch: WG371499-4						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	ND	0.200	ND	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	ND	0.500	ND	1.19		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1



Project Name: PENDAFLEX

Lab Number: L0909636

Project Number: 14368.35

Report Date: 07/22/09

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/17/09 20:46

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-05 Batch: WG371499-4						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	ND	0.200	ND	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	ND	0.200	ND	0.988		1
Ethanol	ND	2.50	ND	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	ND	0.500	ND	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1



Project Name: PENDAFLEX

Lab Number: L0909636

Project Number: 14368.35

Report Date: 07/22/09

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 07/17/09 20:46

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-05 Batch: WG371499-4						
Heptane	ND	0.200	ND	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	ND	0.200	ND	0.344		1
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	ND	0.200	ND	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	ND	0.200	ND	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: PENDAFLEX

Project Number: 14368.35

Lab Number: L0909636

Report Date: 07/22/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 Batch: WG371499-3					
1,1,1-Trichloroethane	103	-	70-130	-	
1,1,2,2-Tetrachloroethane	119	-	70-130	-	
1,1,2-Trichloroethane	112	-	70-130	-	
1,1-Dichloroethane	102	-	70-130	-	
1,1-Dichloroethene	98	-	70-130	-	
1,2,4-Trichlorobenzene	123	-	70-130	-	
1,2,4-Trimethylbenzene	120	-	70-130	-	
1,2-Dibromoethane	105	-	70-130	-	
1,2-Dichlorobenzene	119	-	70-130	-	
1,2-Dichloroethane	103	-	70-130	-	
1,2-Dichloropropane	111	-	70-130	-	
1,3,5-Trimethylbenzene	114	-	70-130	-	
1,3-Butadiene	99	-	70-130	-	
1,3-Dichlorobenzene	118	-	70-130	-	
1,4-Dichlorobenzene	120	-	70-130	-	
1,4-Dioxane	108	-	70-130	-	
2,2,4-Trimethylpentane	106	-	70-130	-	
2-Butanone	116	-	70-130	-	
2-Hexanone	116	-	70-130	-	
3-Chloropropene	100	-	70-130	-	
4-Ethyltoluene	125	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: PENDAFLEX

Project Number: 14368.35

Lab Number: L0909636

Report Date: 07/22/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 Batch: WG371499-3					
Acetone	100	-	70-130	-	
Benzene	102	-	70-130	-	
Benzyl chloride	125	-	70-130	-	
Bromodichloromethane	106	-	70-130	-	
Bromoform	113	-	70-130	-	
Bromomethane	86	-	70-130	-	
Carbon disulfide	93	-	70-130	-	
Carbon tetrachloride	99	-	70-130	-	
Chlorobenzene	111	-	70-130	-	
Chloroethane	99	-	70-130	-	
Chloroform	101	-	70-130	-	
Chloromethane	100	-	70-130	-	
cis-1,2-Dichloroethene	100	-	70-130	-	
cis-1,3-Dichloropropene	97	-	70-130	-	
Cyclohexane	98	-	70-130	-	
Dibromochloromethane	107	-	70-130	-	
Dichlorodifluoromethane	98	-	70-130	-	
Ethyl Alcohol	103	-	70-130	-	
Ethyl Acetate	119	-	70-130	-	
Ethylbenzene	117	-	70-130	-	
1,1,2-Trichloro-1,2,2-Trifluoroethane	98	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: PENDAFLEX

Project Number: 14368.35

Lab Number: L0909636

Report Date: 07/22/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 Batch: WG371499-3					
1,2-Dichloro-1,1,2,2-tetrafluoroethane	100	-	70-130	-	
Hexachlorobutadiene	126	-	70-130	-	
iso-Propyl Alcohol	105	-	70-130	-	
Methylene chloride	94	-	70-130	-	
4-Methyl-2-pentanone	111	-	70-130	-	
Methyl tert butyl ether	110	-	70-130	-	
p/m-Xylene	118	-	70-130	-	
o-Xylene	117	-	70-130	-	
Heptane	101	-	70-130	-	
n-Hexane	101	-	70-130	-	
Propylene	96	-	70-130	-	
Styrene	116	-	70-130	-	
Tetrachloroethene	101	-	70-130	-	
Tetrahydrofuran	119	-	70-130	-	
Toluene	112	-	70-130	-	
trans-1,2-Dichloroethene	101	-	70-130	-	
trans-1,3-Dichloropropene	84	-	70-130	-	
Trichloroethene	100	-	70-130	-	
Trichlorofluoromethane	99	-	70-130	-	
Vinyl acetate	133	-	70-130	-	
Vinyl bromide	95	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: PENDAFLEX

Project Number: 14368.35

Lab Number: L0909636

Report Date: 07/22/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 Batch: WG371499-3					
Vinyl chloride	99	-	70-130	-	
Naphthalene	120	-	70-130	-	
Propane	88	-	70-130	-	
Acrylonitrile	110	-	70-130	-	
Acrolein	114	-	70-130	-	
1,1,1,2-Tetrachloroethane	104	-	70-130	-	
Isopropylbenzene	118	-	70-130	-	
1,2,3-Trichloropropane	103	-	70-130	-	
Acetonitrile	111	-	70-130	-	
Bromobenzene	113	-	70-130	-	
Chlorodifluoromethane	100	-	70-130	-	
Dichlorofluoromethane	94	-	70-130	-	
Dibromomethane	102	-	70-130	-	
Pentane	88	-	70-130	-	
Octane	100	-	70-130	-	
Tertiary-Amyl Methyl Ether	108	-	70-130	-	
o-Chlorotoluene	113	-	70-130	-	
p-Chlorotoluene	117	-	70-130	-	
2,2-Dichloropropane	94	-	70-130	-	
1,1-Dichloropropene	101	-	70-130	-	
Isopropyl Ether	108	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: PENDAFLEX

Project Number: 14368.35

Lab Number: L0909636

Report Date: 07/22/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 Batch: WG371499-3					
Ethyl-Tert-Butyl-Ether	110	-	70-130	-	
1,2,3-Trichlorobenzene	126	-	70-130	-	
Ethyl ether	105	-	70-130	-	
n-Butylbenzene	126	-	70-130	-	
sec-Butylbenzene	120	-	70-130	-	
tert-Butylbenzene	114	-	70-130	-	
1,2-Dibromo-3-chloropropane	119	-	70-130	-	
p-Isopropyltoluene	113	-	70-130	-	
n-Propylbenzene	117	-	70-130	-	
1,3-Dichloropropane	112	-	70-130	-	
Methanol	106	-	70-130	-	
Butane	95	-	70-130	-	
Nonane (C9)	113	-	70-130	-	
Decane (C10)	120	-	70-130	-	
Undecane	125	-	70-130	-	
Dodecane (C12)	118	-	70-130	-	
Butyl Acetate	91	-	70-130	-	
tert-Butyl Alcohol	105	-	70-130	-	

Lab Duplicate Analysis Batch Quality Control

Project Name: PENDAFLEX

Project Number: 14368.35

Lab Number: L0909636

Report Date: 07/22/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG371499-5 QC Sample: L0909636-03 Client ID: 1-30-185-SV03					
1,1,1-Trichloroethane	0.290	0.276	ppbV	5	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	5.99	5.93	ppbV	1	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	1.63	1.61	ppbV	1	25
1,3-Butadiene	0.581	0.679	ppbV	16	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	0.234	0.237	ppbV	1	25
1,4-Dioxane	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	0.312	0.317	ppbV	2	25
2-Butanone	2.09	2.09	ppbV	0	25
2-Hexanone	ND	ND	ppbV	NC	25

Lab Duplicate Analysis Batch Quality Control

Project Name: PENDAFLEX

Project Number: 14368.35

Lab Number: L0909636

Report Date: 07/22/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG371499-5 QC Sample: L0909636-03 Client ID: 1-30-185-SV03					
3-Chloropropene	ND	ND	ppbV	NC	25
4-Ethyltoluene	1.49	1.52	ppbV	2	25
Acetone	15.3	15.1	ppbV	1	25
Benzene	0.908	0.942	ppbV	4	25
Benzyl chloride	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Bromomethane	ND	ND	ppbV	NC	25
Carbon disulfide	1.42	1.43	ppbV	1	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Chloroethane	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Chloromethane	ND	ND	ppbV	NC	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Cyclohexane	0.203	0.211	ppbV	4	25
Dibromochloromethane	ND	ND	ppbV	NC	25
Dichlorodifluoromethane	0.337	0.339	ppbV	1	25

Lab Duplicate Analysis

Batch Quality Control

Project Name: PENDAFLEX

Project Number: 14368.35

Lab Number: L0909636

Report Date: 07/22/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG371499-5 QC Sample: L0909636-03 Client ID: 1-30-185-SV03					
Ethanol	3.20	3.38	ppbV	5	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Ethylbenzene	33.6	34.0	ppbV	1	25
Freon-113	ND	ND	ppbV	NC	25
Freon-114	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25
Isopropanol	1.07	1.03	ppbV	4	25
Methylene chloride	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
p/m-Xylene	68.2	68.7	ppbV	1	25
o-Xylene	12.2	12.3	ppbV	1	25
Heptane	1.49	1.49	ppbV	0	25
n-Hexane	1.75	1.69	ppbV	3	25
Propylene	11.3	11.8	ppbV	4	25
Styrene	2.87	2.92	ppbV	2	25
Tetrachloroethene	31.2	31.5	ppbV	1	25
Tetrahydrofuran	0.351	0.314	ppbV	11	25
Toluene	22.1	22.5	ppbV	2	25

Lab Duplicate Analysis Batch Quality Control

Project Name: PENDAFLEX

Project Number: 14368.35

Lab Number: L0909636

Report Date: 07/22/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG371499-5 QC Sample: L0909636-03 Client ID: 1-30-185-SV03					
trans-1,2-Dichloroethene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Trichloroethene	2.38	2.40	ppbV	1	25
Trichlorofluoromethane	0.268	0.267	ppbV	0	25
Vinyl acetate	ND	ND	ppbV	NC	25
Vinyl bromide	ND	ND	ppbV	NC	25
Vinyl chloride	ND	ND	ppbV	NC	25

Project Name: PENDAFLEX

07220919:26
Lab Number: L0909636

Project Number: 14368.35

Report Date: 07/22/09

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L0909636-01	1-30-185-SV01	0450	#90 AMB		-	-	43	38	12
L0909636-01	1-30-185-SV01	650	6.0L Can	I0908196	-29.2	-15.0	-	-	-
L0909636-02	1-30-185-SV02	0159	#90 SV		-	-	44	41	7
L0909636-02	1-30-185-SV02	600	6.0L Can	I0908196	-29.5	-11.4	-	-	-
L0909636-03	1-30-185-SV03	0263	#90 SV		-	-	44	42	5
L0909636-03	1-30-185-SV03	633	6.0L Can	I0908196	-29.5	-7.9	-	-	-
L0909636-04	1-30-185-SV04	0166	#90 SV		-	-	43	43	0
L0909636-04	1-30-185-SV04	1709	6.0L Can	I0908196	-29.5	-5.2	-	-	-
L0909636-05	1-30-185-SV-DUP	0409	#90 SV		-	-	44	47	7
L0909636-05	1-30-185-SV-DUP	1661	6.0L Can	I0908196	-29.5	-7.3	-	-	-



Project Name: PENDAFLEX**Lab Number:** L0909636**Project Number:** 14368.35**Report Date:** 07/22/09**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Cooler Information**Cooler****Custody Seal**

N/A

Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis
L0909636-01A	Canister - 6 Liter	N/A	N/A		NA	Present/Intact	TO15-LL(30)
L0909636-02A	Canister - 6 Liter	N/A	N/A		NA	Present/Intact	TO15-LL(30)
L0909636-03A	Canister - 6 Liter	N/A	N/A		NA	Present/Intact	TO15-LL(30)
L0909636-04A	Canister - 6 Liter	N/A	N/A		NA	Present/Intact	TO15-LL(30)
L0909636-05A	Canister - 6 Liter	N/A	N/A		NA	Present/Intact	TO15-LL(30)

*Hold days indicated by values in parentheses

Project Name: PENDAFLEX
Project Number: 14368.35

Lab Number: L0909636
Report Date: 07/22/09

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
ND	- Not detected at the reported detection limit for the sample.
NI	- Not Ignitable.
RDL	- Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

*	- The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)
A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
N	- The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
J	- Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

Report Format: Data Usability Report



Project Name: PENDAFLEX
Project Number: 14368.35

Lab Number: L0909636
Report Date: 07/22/09

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certificate/Approval Program Summary

Last revised June 17, 2009 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held. For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: SM2320B, 4500NH₃-F, EPA 120.1, SM2510B, 2340B, EPA 245.1, EPA 150.1, EPA 160.2, SM2540D, EPA 335.2, 420.1, SM2540G, EPA 180.1. Organic Parameters: EPA 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045, 9014. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 120.1, 150.1, 160.2, 180.1, 200.8, 245.1, 310.1, 335.2, 608, 625, 1631, 3010, 3015, 3020, 6020, 9010, 9014, 9040, SM2320B, 2510B, 2540D, 2540G, 4500CN-E, 4500H-B, Organic Parameters: EPA 3510, 3580, 3630, 3640, 3660, 3665, 5030, 8015 (mod), 3570, 8081, 8082, 8260, 8270,)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7196, 7470, 7471, 7474, 9010, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015 (mod), EPA 3570, 1311, 3050, 3051, 3060, 3580, 3630, 3640, 3660, 3665, 5035, 8081, 8082, 8260, 8270.)

Biological Tissue (Inorganic Parameters: EPA 6020. Organic Parameters: EPA 3570, 3510, 3610, 3630, 3640, 8270.)

Maine Department of Human Services Certificate/Lab ID: MA0030.

Wastewater (Inorganic Parameters: EPA 120.1, 300.0, SM 2320, 2510B, 2540C, 2540D, EPA 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030.

Non-Potable Water (Inorganic Parameters: SM4500H+B. Organic Parameters: EPA 624.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 200.8, 245.1, 1631E, 120.1, 150.1, 180.1, 310.1, 335.2, 160.2, SM2540D, 2540G, 4500CN-E, 4500H+B, 2320B, 2510B. Organic Parameters: EPA 625, 608.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, 6020, SM2320B, EPA 200.8, SM2540C, 2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 9040B, 6020, 9010B, 9014 Organic Parameters: EPA 608, 625, SW-846 3510C, 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9045C, 9060. Organic Parameters: SW-846 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 3570, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610B, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, SW-846 Ch7 Sec 7.3, EPA 6020, 7196A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 3050B, 3580, 3050B, 3035, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Pennsylvania Department of Environmental Protection Certificate/Lab ID: 68-02089. NELAP Accredited.

Non-Potable Water (Organic Parameters: EPA 5030B, EPA 8260)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. NELAP Accredited via LA-DEQ.

Refer to MA-DEP Certificate for Non-Potable Water.

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. NELAP Accredited.

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7471. Organic Parameters: EPA 8015, 8270.)

U.S. Army Corps of Engineers

AIR ANALYSIS

PAGE 1 OF 1

ALPHA ANALYTICAL
CHAIN OF CUSTODY

 320 Forbes Blvd, Mansfield, MA 02048
 TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: **EA ENGINEERING**Address: **6117 Brooklawn Hwy Ste 104**

Syracuse NY 13211

Phone: **315 431 4610**Fax: **315 431 4280**Email: **dcranda11@east.com**
☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project Information

Project Name: **Pendaflex**Project Location: **Garden City, NY**Project #: **14368.35**Project Manager: **Dan Culligan**

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

Time:

Date Rec'd in Lab:

Report Information - Data Deliverables

☐ FAX
☐ ADEX

Criteria Checker:

(Default based on Regulatory Criteria Indicated)

Other Formats:

☒ EMAIL (standard pdf report)

Additional Deliverables:

Report to: (if different than Project Manager)

EDD in standard CSV
Dave cranda11
ALPHA Job #: **L0909636**

Billing Information

☐ Same as Client Info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Criteria

NYSDOH low level VOC

ANALYSIS

All Columns Below Must Be Filled Out

ALPHALab ID (Lab Use Only)	Sample ID	Collection				Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D -Flow Controller	TO-14A	TO-15	TO-15 APH	FIXED	TO-13A	TO-4/	Sample Comments (i.e. PID)
		Date	Start Time	End Time	Initial Vacuum												
0909 636-1	1-30-185-SV001	7-14-09	1810	2010	-30	-15	SV	DCC	6L	650	D450	X					
-2	1-30-185-SV002	7-14-09	1825	2025	-30+	-13	SV	DCC	6L	606	0159	X					
-3	1-30-185-SV003	7-14-09	1830	2030	-30+	-11	SV	DCC	6L	633	0263	X					
-4	1-30-185-SV004	7-14-09	1835	2035	-30+	-7	SV	DCC	6L	1709	0166	X					
1-30-185-SV005	1-30-185-SV005						SV	DCC	6L								
-5	1-30-185-SV-DUP				-29.5	-7	SV	DCC	6L	1661	0409	X					Duplicate

*SAMPLE MATRIX CODES

 AA = Ambient Air (Indoor/Outdoor)
 SV = Soil Vapor/Landfill Gas/SVE
 Other = Please Specify

Container Type

IS

Relinquished By:

Date/Time: **7/14/09 2:00**

Received By:

Date/Time: