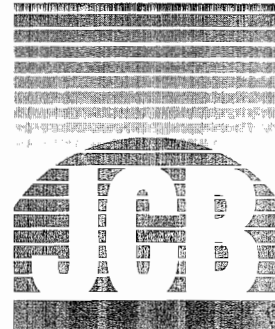


J.C. Broderick & Associates, Inc.

Environmental Consulting & Testing



July 13, 2009

Mr. Joe Forgione
JNL Funding
4792 Hempstead Turnpike
Farmingdale, New York 11735

420 Lake Avenue
Saint James, New York 11780
631.584.5492
Fax: 631.584.3395
www.jcbroderick.com

**Re: Limited Subsurface Inspection and Assessment &
Limited Subsurface Investigation and Testing at
1151 Loring Avenue
Brooklyn, New York 11208
Site Visit: June 25, 2009**

JCB#: 09-15569

2009 AUG 24 PM 4:19
NYS DEC REC'D N 2
RECEIVED

Dear Mr. Forgione:

J. C. Broderick & Associates, Inc. (JCB) was retained to perform a limited subsurface inspection and investigation at the above referenced subject property. The site visit was performed by experienced JCB environmental scientists and technicians on the above referenced date and consisted of the following:

- A limited subsurface inspection and assessment of the accessible areas of the above referenced subject property. The inspection was performed in an attempt to identify subsurface anomalies that may indicate the presence of any steel Underground Storage Tanks (USTs) or storm drain injection wells. The anomalies identified were reviewed by the operator and compared against past experience, technical judgment, and prior site knowledge for classification. The subsurface inspection and assessment was limited to steel USTs and storm drain injection wells.
- Collection of subsurface soil and groundwater samples utilizing Geoprobe® methodology from the subject property. Two (2) soil and three (3) groundwater samples were selected and submitted to an independent laboratory for analysis of New York State Department of Environmental Conservation (NYSDEC) Division of Technical and Administrative Guidance Memorandum (TAGM) 4046 protocol for Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs) and thirteen (13) metals.

Section No. 1: Site Description and Location

The subject property is located on the north side of Loring Avenue between Euclid Avenue and Pine Street, in the Borough of Brooklyn, City and State of New York. The subject property is commonly known as, and is located at, 1151 Loring Avenue, Brooklyn, New York 11208.

The subject property is a rectangular shaped dirt lot and is approximately 22,400 square feet in size. The subject property does not currently contain any structures.

The subject property contains unpaved areas only which consist of an open dirt lot with sparse shrubs, debris and parked vehicles throughout.

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Section No. 2: Summary of Subsurface Inspection and Assessment

Please refer to the Field Drawing and Field Photograph Logs located in the attachments of the report for additional details. In summary the subsurface inspection revealed the following significant findings:

- No steel Underground Storage Tanks (USTs) or storm drain injection wells were located in the accessible areas of the subject property.

Note: At the time of the site visit, various portions of the site were covered with debris and parked vehicles, limiting the areas included in the subsurface inspection. All inaccessible areas were omitted from the subsurface inspection and report.

It should be noted that the subsurface inspection and assessment was limited to the above referenced designated accessible areas of concern only and was performed utilizing a combination of various locator and subsurface inspection equipment. It was not intended to guarantee the location of all possible underground structures or all utilities. Greater confidence can be placed on inspections that include utilizing a review of past architectural drawings, additional time on site, equipment, methodologies, and confirmation excavation. Use of this report is strictly limited to the client for whom this report was prepared. Any reliance on the contents of this report by any third party is the sole responsibility of that party.

Please note that it was not possible to locate all underground utilities or structures in their entirety utilizing the above referenced methodologies. The limitations encountered in the field are identified as Notes in the above summary section. These notes should be carefully reviewed to determine if it is necessary to further investigate these underground utilities and/or structures. If additional investigation is deemed necessary, please contact our office.

Section No. 3: Summary of Subsurface Investigation and Testing

The following sections summarize the subsurface investigation and testing performed. Additional information can be extracted from the Field Drawing, Field Photograph Logs, Soil Boring Logs, Laboratory Analysis Reports and PID data located in the attachments.

- A total of ten (10) soil borings were performed utilizing a Geoprobe® Model 5410 equipped with a Macro-Core® soil sampler. The soil boring locations were determined based upon site logistics, location of underground utilities, property usage, and other information provided to JCB by site representatives. The soil samples were collected in four (4) foot intervals from surface grade until the groundwater interface was encountered, or until probe refusal. The soil boring locations can be referenced in the Field Drawing located in the attachments of this report. Please refer to the Soil Boring Logs located in the attachments for a summary of the soil samples collected, PID results, and soil descriptions.

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- Field screening for the presence of Total Volatile Organic Compounds (TVOCs) was performed during all soil borings utilizing the MiniRAE 2000 Portable Photo-Ionization Detector (PID). Technical data pertaining to the MiniRAE 2000 Portable PID is available upon request. Please refer to the attachments for a complete listing of the PID field screening performed.
- A total of fifty-two (52) samples were collected from the ten (10) boring locations. Based upon a review of the PID field screening, olfactory sensing and visual/textural observations, two (2) soil samples were selected for laboratory analysis.
- In addition to the soil samples, three (3) groundwater samples were collected utilizing a truck-mounted Geoprobe® Model 5410 equipped with a Screen Point 15 Groundwater Sampler. The sampler was deployed at the groundwater interface with approximately three (3) feet of screen below the interface and one (1) foot of screen above the interface. The groundwater interface was observed at approximately ten (10) feet below surface grade (bsg).

The following table summarizes the samples submitted for laboratory analysis:

Table No. 1: Summary of Soil Samples Submitted for Laboratory Analysis				
Sample ID#	Description of Sample	Max PID Concentration	Analysis Method	Notes
B-06	Boring No. 06: 10' - 12' Interval	295.1 ppm	TAGM VOCs, SVOCs & 13 Metals	Dark staining & petroleum odor noted.
B-07	Boring No. 07: 10' - 12' Interval	285.4 ppm	TAGM VOCs, SVOCs & 13 Metals	Dark staining & petroleum odor noted.
GW-06	Boring No. 06: Groundwater Sample	N/A	TAGM VOCs, SVOCs & 13 Metals	Petroleum Sheen Observed
GW-07	Boring No. 07: Groundwater Sample	N/A	TAGM VOCs, SVOCs & 13 Metals	Petroleum Sheen Observed
GW-08	Boring No. 08: Groundwater Sample	N/A	TAGM VOCs, SVOCs & 13 Metals	No sheen or petroleum like odor noted.
Notes: B = Soil Boring GW = Groundwater ppm = parts per million				

Section No. 4: Laboratory Analysis Summary

The selected samples were placed into laboratory supplied containers, assigned individual identification numbers and then placed into an appropriately conditioned cooler. Chain of custody documents were prepared and the samples were then delivered to an independent New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory for analysis.

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The laboratory analysis results from the submitted soil samples were reviewed and compared to the Clean-Up Objectives or Eastern USA Background Concentrations as listed in Appendix A of the NYSDEC's TAGM 4046.

The laboratory analysis results from the groundwater samples were reviewed and compared to Table No. 1 of the Ambient Water Quality Standards And Guidance Values of the New York State Department of Environmental Conservation, Division of Water, Technical and Operational Guidance Series (TOGS) (1.1.1).

The review of the laboratory analysis revealed the following significant findings:

Table No. 2: Summary of Laboratory Analysis Results Exceeding NYSDEC Guidance Values				
Sample ID#	Sample Location	Parameter	Observed Concentration	NYSDEC Guidance Value
B-07	Boring No. 07: 10' - 12' Interval	Benzo[a]pyrene	158 ppb	61 ppb
GW-06	Boring No. 06: Groundwater Sample	Benzene	2.58 ppb	1 ppb
		sec - Butylbenzene	11.4 ppb	5 ppb
		1,2,4,5-Tetramethylbenzene	123 ppb	5 ppb
		bis(2-Ethylhexyl)Phthalate	70.0 ppb	5 ppb
		Naphthalene	70.0 ppb	10 ppb
GW-07	Boring No. 07: Groundwater Sample	Ethylbenzene	242 ppb	5 ppb
		n - Butylbenzene	156 ppb	5 ppb
		sec - Butylbenzene	139 ppb	5 ppb
		Isopropylbenzene	145 ppb	5 ppb
		p - Isopropyltoluene	109 ppb	5 ppb
		n - Propylbenzene	276 ppb	5 ppb
		1,2,4,5-Tetramethylbenzene	282 ppb	5 ppb
		1,3,5 - Trimethylbenzene	76.1 ppb	5 ppb
		bis(2-Ethylhexyl)Phthalate	300 ppb	5 ppb
		Butylbenzylphthalate	70 ppb	50 ppb
		Naphthalene	200 ppb	10 ppb
GW-08	Boring No. 08: Groundwater Sample	bis(2-Ethylhexyl)Phthalate	5 ppb	5 ppb

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 Brooklyn, New York 11208
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Sample ID#	Sample Location	Parameter	Observed Concentration	NYSDEC Guidance Value
Notes: B = Soil Boring GW = Groundwater ppb = parts per billion *Minimum Detection Limits For B-07, GW-06 & GW-07 Were Elevated Due To Matrix, Target and Non Target Compound Interference.*				

- The laboratory analysis results from the soil sample submitted from Soil Boring No. 6 **did not** reveal any elevated concentrations of VOCs, SVOCs or metals parameters exceeding the above referenced guidance values.
- The laboratory analysis results from the soil sample submitted from Soil Boring No. 7 **did** reveal an elevated concentration of Benzo[a]pyrene at 158 parts per billion (ppb) exceeding the above referenced guidance value of 61 ppb.
- The laboratory analysis results from the groundwater sample submitted from Soil Boring No. 6 **did** reveal elevated concentrations of three (3) VOCs and two (2) SVOCs exceeding the above referenced guidance values.
- The laboratory analysis results from the groundwater sample submitted from Soil Boring No. 7 **did** reveal elevated concentrations of eight (8) VOCs and three (3) SVOCs exceeding the above referenced guidance values.
- The laboratory analysis results from the groundwater sample submitted from Soil Boring No. 8 **did** reveal a concentration of bis(2-Ethylhexyl)Phthalate at 5 ppb equal to the above referenced guidance value of 5 ppb.

Section No. 5: Findings

- As indicated above, the laboratory analysis results from four (4) of the collected samples **did** reveal concentrations of VOCs and/or SVOCs exceeding the above referenced guidance values.
- The current owner of the subject property should contact the New York State Department of Environmental Conservation's (NYSDEC's) spill hotline at 1.800.457.7362 and report the findings of the laboratory analysis associated with this environmental sampling. A copy of this report should be forwarded to the NYSDEC for their review and comment. JCB is available for assistance pertaining to this matter, if requested.

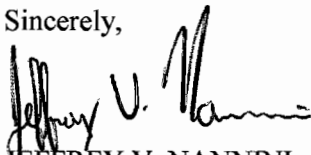
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The following project information is included in the attachments of this report.

1. Field Drawing
2. Field Photograph Logs
3. Soil Boring Logs
4. Chain of Custody and Laboratory Analysis Reports
5. PID Data

If there are any questions, or if additional information is needed, please contact our office.

Sincerely,



JEFFREY V. NANNINI

J.C. Broderick & Associates, Inc.

Attachments

cc: Mr. Robert Havasy via U.S.P.S.

Attachment #1
Field Drawing



J.C. BRODERICK

& Associates
Environmental Consulting and
Testing

420 Lake Avenue
Saint James, NY 11780
Phone: (631).584.5492
Fax: (631).584.3395

Notes:

1151 Loring Avenue
Brooklyn, NY 11208

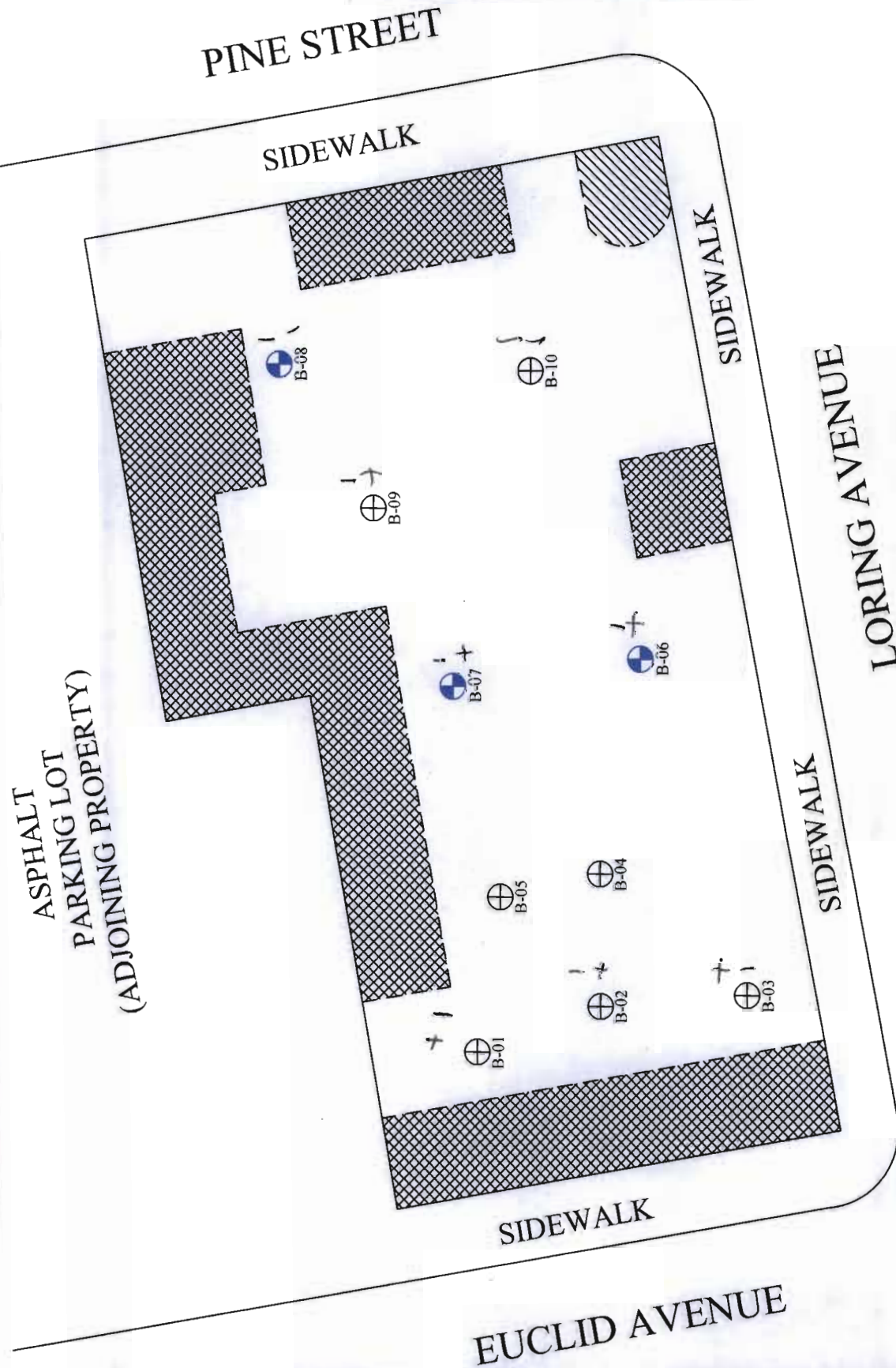
Drawing Title
Field Drawing
of
Limited
Subsurface
Inspection
and
Investigation

Scale
N.T.S.
Project No.
09-15569
Date
06-25-03

Drawn By
J.V.N.
Checked By
B.G.B.
Page No.
1 of 1

Drawing No.

1



Attachment #2
Field Photograph Logs

Location of Soil Boring Nos. 01, 02, 04 and 05



Field Photograph Log

**Limited Subsurface Inspection and
Assessment and Limited Subsurface
Investigation and Testing at**

**1151 Loring Avenue
Brooklyn, New York 11208**

Photo No. 01

JCB#: 09-15569

Location of Soil Boring No. 03



Field Photograph Log

**Limited Subsurface Inspection and
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Investigation and Testing at**

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Brooklyn, New York 11208**

Photo No. 02

JCB#: 09-15569

Location of Soil Boring No. 06



Field Photograph Log

**Limited Subsurface Inspection and
Assessment and Limited Subsurface
Investigation and Testing at**

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Photo No. 03

JCB#: 09-15569

Location of Soil Boring No. 07



Field Photograph Log

**Limited Subsurface Inspection and
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Brooklyn, New York 11208**

Photo No. 04

JCB#: 09-15569

Location of Soil Boring Nos. 08, 09 and 10



Field Photograph Log

**Limited Subsurface Inspection and
Assessment and Limited Subsurface
Investigation and Testing at**

**1151 Loring Avenue
Brooklyn, New York 11208**

Photo No. 05

JCB#: 09-15569

**Typical Soil Boring
0' - 2' Interval**



Field Photograph Log

**Limited Subsurface Inspection and
Assessment and Limited Subsurface
Investigation and Testing at**

**1151 Loring Avenue
Brooklyn, New York 11208**

Photo No. 06

JCB#: 09-15569

**Typical Soil Boring
2' - 4' Interval**



Field Photograph Log

**Limited Subsurface Inspection and
Assessment and Limited Subsurface
Investigation and Testing at**

**1151 Loring Avenue
Brooklyn, New York 11208**

Photo No. 07

JCB#: 09-15569

**Typical Soil Boring
4' - 6' Interval**



Field Photograph Log

**Limited Subsurface Inspection and
Assessment and Limited Subsurface
Investigation and Testing at**

**1151 Loring Avenue
Brooklyn, New York 11208**

Photo No. 08

JCB#: 09-15569

**Typical Soil Boring
6' - 8' Interval**



Field Photograph Log

**Limited Subsurface Inspection and
Assessment and Limited Subsurface
Investigation and Testing at**

**1151 Loring Avenue
Brooklyn, New York 11208**

Photo No. 09

JCB#: 09-15569

**Typical Soil Boring
8' - 10' Interval**



Field Photograph Log

**Limited Subsurface Inspection and
Assessment and Limited Subsurface
Investigation and Testing at**

**1151 Loring Avenue
Brooklyn, New York 11208**

Photo No. 10

JCB#: 09-15569

**Typical Soil Boring
10' - 12' Interval**



Field Photograph Log

**Limited Subsurface Inspection and
Assessment and Limited Subsurface
Investigation and Testing at**

**1151 Loring Avenue
Brooklyn, New York 11208**

Photo No. 11

JCB#: 09-15569

Attachment #3
Soil Boring Logs

PROJECT NAME: Loring Avenue Site		BORING NUMBER: B-01	
PROJECT ADDRESS: 1151 Loring Avenue Brooklyn, New York 11208			
DRILLING CONTRACTOR: JC Broderick & Associates, Inc.		BORING LOCATION: Northwest Corner of Subject Property	
DRILLING METHOD: 2.5 inch Macro-Core® System		APPROXIMATE GROUND SURFACE ELEVATION: 9 feet Above Sea Level	
DRILLING EQUIPMENT: Geoprobe® 5410		DATE COMPLETED: 6-25-09	
SAMPLING METHOD: 2.5 inch Macro Core®		TOTAL DEPTH: 12 feet	
RESPONSIBLE PROFESSIONAL: Jeffrey Nannini	LOGGED BY: Adam Hutchinson	APPROX. DEPTH TO GROUNDWATER: 10 feet	MEASURING POINT: Ground Surface

DEPTH (feet)	PID RESULTS (ppm)	LITHOLOGIC LOG	DESCRIPTION
			NAME (USCS): color, moisture, plasticity density
0			
1	4.2		SAND - CLAY MIXTURE: Dark Brown Sandy Clay with some Brick and Gravels (SP)
2			
3	1.0		
4			SAND - CLAY MIXTURE: Dark Brown Sandy Clay with some Gravels (SP)
5	21.9		
6			
7	11.9		SAND - CLAY MIXTURE: Dark Brown Sandy Clay with some Gravels and Cobbles (SP)
8			
9	56		SAND - CLAY MIXTURE: Dark Brown/Black Sandy Clay with Minimal Gravels (SW)
10			Groundwater Interface Observed
11	269		SAND - CLAY MIXTURE: Black/Gray Sandy Clay with Minimal Gravels (SC)
12			End of Boring at 12 Feet bsg
13			



PROJECT NAME: Loring Avenue Site		BORING NUMBER: B-02	
PROJECT ADDRESS: 1151 Loring Avenue Brooklyn, New York 11208			
DRILLING CONTRACTOR: JC Broderick & Associates, Inc.		BORING LOCATION: West Side of Subject Property	
DRILLING METHOD: 2.5 inch Macro-Core® System		APPROXIMATE GROUND SURFACE ELEVATION: 9 feet Above Sea Level	
DRILLING EQUIPMENT: Geoprobe® 5410		DATE COMPLETED: 6-25-09	
SAMPLING METHOD: 2.5 inch Macro Core®		TOTAL DEPTH: 12 feet	
RESPONSIBLE PROFESSIONAL: Jeffrey Nannini	LOGGED BY: Adam Hutchinson	APPROX. DEPTH TO GROUNDWATER: 10 feet	MEASURING POINT: Ground Surface

DEPTH (feet)	PID RESULTS (ppm)	LITHOLOGIC LOG	DESCRIPTION
			NAME (USCS): color, moisture, plasticity density
0			
1	1.5		SAND - CLAY MIXTURE: Dark Brown Sandy Clay with some Gravels and Cobbles (SP)
2			
3	7.7		SAND - CLAY MIXTURE: Dark Brown/Black Sandy Clay with some Gravels and Cobbles (SP)
4			
5	16.8		
6			SAND - CLAY MIXTURE: Dark Brown/Gray Sandy Clay with some Gravels and Cobbles (SP)
7	34.4		
8			
9	261		SAND - CLAY MIXTURE: Dark Brown/Black Sandy Clay with Gravels (SW)
10			Groundwater Interface Observed
11	274		SAND - CLAY MIXTURE: Black/Gray Sandy Clay with Minimal Gravels (SC)
12			End of Boring at 12 Feet bsg
13			



PROJECT NAME: Loring Avenue Site		BORING NUMBER: B-03	
PROJECT ADDRESS: 1151 Loring Avenue Brooklyn, New York 11208			
DRILLING CONTRACTOR: JC Broderick & Associates, Inc.		BORING LOCATION: Southwest Corner of Subject Property	
DRILLING METHOD: 2.5 inch Macro-Core® System		APPROXIMATE GROUND SURFACE ELEVATION: 9 feet Above Sea Level	
DRILLING EQUIPMENT: Geoprobe® 5410		DATE COMPLETED: 6-25-09	
SAMPLING METHOD: 2.5 inch Macro Core®		TOTAL DEPTH: 12 feet	
RESPONSIBLE PROFESSIONAL: Jeffrey Nannini	LOGGED BY: Adam Hutchinson	APPROX. DEPTH TO GROUNDWATER: 10 feet	MEASURING POINT: Ground Surface

DEPTH (feet)	PID RESULTS (ppm)	LITHOLOGIC LOG	DESCRIPTION
			NAME (USCS): color, moisture, plasticity density
0			
1	28.6		
2			
3	41.9		SAND - CLAY MIXTURE: Dark Brown Sandy Clay with some Gravels and Cobbles (SW)
4			
5	33.7		
6			
7	12.3		SAND - CLAY MIXTURE: Dark Brown Sandy Clay with some Gravels, Cobbles and Brick (SW)
8			
9	12.5		SAND - CLAY MIXTURE: Dark Brown Sandy Clay with some Gravels and Brick (SW)
10			Groundwater Interface Observed
11	6.2		SAND - CLAY MIXTURE: Dark Brown Sandy Clay with Minimal Gravels (SW)
12			End of Boring at 12 Feet bsg
13			



PROJECT NAME: Loring Avenue Site		BORING NUMBER: B-04	
PROJECT ADDRESS: 1151 Loring Avenue Brooklyn, New York 11208			
DRILLING CONTRACTOR: JC Broderick & Associates, Inc.		BORING LOCATION: West Side of Subject Property	
DRILLING METHOD: 2.5 inch Macro-Core® System		APPROXIMATE GROUND SURFACE ELEVATION: 9 feet Above Sea Level	
DRILLING EQUIPMENT: Geoprobe® 5410		DATE COMPLETED: 6-25-09	
SAMPLING METHOD: 2.5 inch Macro Core®		TOTAL DEPTH: 4 Feet	
RESPONSIBLE PROFESSIONAL: Jeffrey Nannini	LOGGED BY: Adam Hutchinson	APPROX. DEPTH TO GROUNDWATER: Not Encountered	MEASURING POINT: Ground Surface

DEPTH (feet)	PID RESULTS (ppm)	LITHOLOGIC LOG	DESCRIPTION
			NAME (USCS): color, moisture, plasticity density
0			
1	0.3		
2			SAND - CLAY MIXTURE: Dark Brown Sandy Clay with some Gravels (SW)
3	1.4		
4			Refusal Encountered at 4 Feet bsg



PROJECT NAME: Loring Avenue Site		BORING NUMBER: B-05	
PROJECT ADDRESS: 1151 Loring Avenue Brooklyn, New York 11208			
DRILLING CONTRACTOR: JC Broderick & Associates, Inc.		BORING LOCATION: West Side of Subject Property	
DRILLING METHOD: 2.5 inch Macro-Core® System		APPROXIMATE GROUND SURFACE ELEVATION: 9 feet Above Sea Level	
DRILLING EQUIPMENT: Geoprobe® 5410		DATE COMPLETED: 6-25-09	
SAMPLING METHOD: 2.5 inch Macro Core®		TOTAL DEPTH: 4 Feet	
RESPONSIBLE PROFESSIONAL: Jeffrey Nannini	LOGGED BY: Adam Hutchinson	APPROX. DEPTH TO GROUNDWATER: Not Encountered	MEASURING POINT: Ground Surface

DEPTH (feet)	PID RESULTS (ppm)	LITHOLOGIC LOG	DESCRIPTION
			NAME (USCS): color, moisture, plasticity density
0			
1			
2			SAND - CLAY MIXTURE: Dark Brown Sandy Clay with some Gravels (SW)
3			
4			Refusal Encountered at 4 Feet bsg



PROJECT NAME: Loring Avenue Site		BORING NUMBER: B-06	
PROJECT ADDRESS: 1151 Loring Avenue Brooklyn, New York 11208			
DRILLING CONTRACTOR: JC Broderick & Associates, Inc.		BORING LOCATION: South Side of Subject Property	
DRILLING METHOD: 2.5 inch Macro-Core® System		APPROXIMATE GROUND SURFACE ELEVATION: 9 feet Above Sea Level	
DRILLING EQUIPMENT: Geoprobe® 5410		DATE COMPLETED: 6-25-09	
SAMPLING METHOD: 2.5 inch Macro Core®		TOTAL DEPTH: 12 feet	
RESPONSIBLE PROFESSIONAL: Jeffrey Nannini	LOGGED BY: Adam Hutchinson	APPROX. DEPTH TO GROUNDWATER: 10 feet	MEASURING POINT: Ground Surface

DEPTH (feet)	PID RESULTS (ppm)	LITHOLOGIC LOG	DESCRIPTION
			NAME (USCS): color, moisture, plasticity density
0			
1	0.0		SAND - CLAY MIXTURE: Dark Brown Sandy Clay with some Brick and Gravels (SP)
2			
3	0.0		
4			
5	0.0		
6			SAND - CLAY MIXTURE: Dark Brown Sandy Clay with some Gravels (SP)
7	0.0		
8			
9	0.0		
10			Groundwater Interface Observed
11	295		SAND - CLAY MIXTURE: Dark Brown/Gray Sandy Clay with Gravels (SC)
12			End of Boring at 12 Feet bsg
13			



PROJECT NAME: Loring Avenue Site		BORING NUMBER: B-07	
PROJECT ADDRESS: 1151 Loring Avenue Brooklyn, New York 11208			
DRILLING CONTRACTOR: JC Broderick & Associates, Inc.		BORING LOCATION: North Side of Subject Property	
DRILLING METHOD: 2.5 inch Macro-Core® System		APPROXIMATE GROUND SURFACE ELEVATION: 9 feet Above Sea Level	
DRILLING EQUIPMENT: Geoprobe® 5410		DATE COMPLETED: 6-25-09	
SAMPLING METHOD: 2.5 inch Macro Core®		TOTAL DEPTH: 12 feet	
RESPONSIBLE PROFESSIONAL: Jeffrey Nannini	LOGGED BY: Adam Hutchinson	APPROX. DEPTH TO GROUNDWATER: 10 feet	MEASURING POINT: Ground Surface

DEPTH (feet)	PID RESULTS (ppm)	LITHOLOGIC LOG	DESCRIPTION
			NAME (USCS): color, moisture, plasticity density
0			
1	1.3		
2			
3	0.9		
4			SAND - CLAY MIXTURE: Dark Brown Sandy Clay with some Gravels (SP)
5	0.6		
6			
7	1.4		
8			
9	165		SAND - CLAY MIXTURE: Dark Brown Sandy Clay with some Brick and Gravels (SP)
10			Groundwater Interface Observed
11	285		SAND - CLAY MIXTURE: Black/Gray Sandy Clay with Minimal Gravels (SC)
12			End of Boring at 12 Feet bsg
13			



PROJECT NAME: Loring Avenue Site		BORING NUMBER: B-08	
PROJECT ADDRESS: 1151 Loring Avenue Brooklyn, New York 11208			
DRILLING CONTRACTOR: JC Broderick & Associates, Inc.		BORING LOCATION: Northeast Corner of Subject Property	
DRILLING METHOD: 2.5 inch Macro-Core® System		APPROXIMATE GROUND SURFACE ELEVATION: 9 feet Above Sea Level	
DRILLING EQUIPMENT: Geoprobe® 5410		DATE COMPLETED: 6-25-09	
SAMPLING METHOD: 2.5 inch Macro Core®		TOTAL DEPTH: 12 feet	
RESPONSIBLE PROFESSIONAL: Jeffrey Nannini	LOGGED BY: Adam Hutchinson	APPROX. DEPTH TO GROUNDWATER: 10 feet	MEASURING POINT: Ground Surface

DEPTH (feet)	PID RESULTS (ppm)	LITHOLOGIC LOG	DESCRIPTION
			NAME (USCS): color, moisture, plasticity density
0			
1	1.5		SAND - CLAY MIXTURE: Dark Brown Sandy Clay with some Gravels and Cobbles (SP)
2			
3	0.6		SAND - CLAY MIXTURE: Dark Brown Sandy Clay with some Brick and Gravels (SP)
4			
5	0.0		
6			
7	0.0		SAND - CLAY MIXTURE: Dark Brown Sandy Clay with some Gravels (SP)
8			
9	0.0		
10			Groundwater Interface Observed
11	0.0		SAND - CLAY MIXTURE: Dark Brown Sandy Clay with some Gravels (SW)
12			End of Boring at 12 Feet bsg
13			



PROJECT NAME: Loring Avenue Site		BORING NUMBER: B-09	
PROJECT ADDRESS: 1151 Loring Avenue Brooklyn, New York 11208			
DRILLING CONTRACTOR: JC Broderick & Associates, Inc.		BORING LOCATION: North Side of Subject Property	
DRILLING METHOD: 2.5 inch Macro-Core® System		APPROXIMATE GROUND SURFACE ELEVATION: 9 feet Above Sea Level	
DRILLING EQUIPMENT: Geoprobe® 5410		DATE COMPLETED: 6-25-09	
SAMPLING METHOD: 2.5 inch Macro Core®		TOTAL DEPTH: 12 feet	
RESPONSIBLE PROFESSIONAL: Jeffrey Nannini	LOGGED BY: Adam Hutchinson	APPROX. DEPTH TO GROUNDWATER: 10 feet	MEASURING POINT: Ground Surface

DEPTH (feet)	PID RESULTS (ppm)	LITHOLOGIC LOG	DESCRIPTION
			NAME (USCS); color, moisture, plasticity density
0			
1	0.0		
2			SAND - CLAY MIXTURE: Dark Brown Sandy Clay with some Gravels (SP)
3	0.1		
4			
5	0.1		
6			
7	0.0		SAND - CLAY MIXTURE: Dark Brown Sandy Clay with some Gravels and Cobbles (SP)
8			
9	7.7		
10			Groundwater Interface Observed
11	265		SAND - CLAY MIXTURE: Black/Gray Sandy Clay with Minimal Gravels (SC)
12			End of Boring at 12 Feet bsg
13			



PROJECT NAME: Loring Avenue Site		BORING NUMBER: B-10	
PROJECT ADDRESS: 1151 Loring Avenue Brooklyn, New York 11208			
DRILLING CONTRACTOR: JC Broderick & Associates, Inc.		BORING LOCATION: Southwest Corner of Subject Property	
DRILLING METHOD: 2.5 inch Macro-Core® System		APPROXIMATE GROUND SURFACE ELEVATION: 9 feet Above Sea Level	
DRILLING EQUIPMENT: Geoprobe® 5410		DATE COMPLETED: 6-25-09	
SAMPLING METHOD: 2.5 inch Macro Core®		TOTAL DEPTH: 12 feet	
RESPONSIBLE PROFESSIONAL: Jeffrey Nannini	LOGGED BY: Adam Hutchinson	APPROX. DEPTH TO GROUNDWATER: 10 feet	MEASURING POINT: Ground Surface

DEPTH (feet)	PID RESULTS (ppm)	LITHOLOGIC LOG	DESCRIPTION
			NAME (USCS): color, moisture, plasticity density
0			
1	0.1		
2			
3	0.1		
4			
5	0.2		SAND - CLAY MIXTURE: Dark Brown Sandy Clay with some Gravels (SP)
6			
7	0.0		
8			
9	0.0		
10			
			Groundwater Interface Observed
11	0.0		SAND - CLAY MIXTURE: Dark Brown Sandy Clay with some Gravels (SP)
12			End of Boring at 12 Feet bsg
13			



Attachment #4
Chain of Custody and
Laboratory Analysis Reports

J.C. BRODERICK & ASSOCIATES

AIR MONITORING & CHAIN C. CUSTODY RECORD

00452223

PROJECT NAME/LOCATION 1851 Loring Avenue		PROJECT # 09-15569	DATE 6/26	LABORATORY E-I-AL	☐ BACKGROUND		☐ PRE-ABATE		☐ DURING-ABATE		☐ OTHER	
ADDRESS 1151 Loring Ave, Brooklyn, NY 11208		WORK AREA External		A=Air B=Sulk W=Wipe (L=Liquid S=Soil)		TOTAL MIN		TOTAL VOL (L)		ANALYSIS METHOD		
SAMPLE ID	DATE	LAB #	TYPE	SAMPLE LOCATION/DESCRIPTION		FLOW BIG (L)	FLOW AVG (L)	BEGIN TIME	END TIME	RESULT	DATE	TIME
B-c6	6/26		S	Boring No. 06 10'-12' interval			1179354					
B-c7	6/25		S	Boring No. 07 10'-12' interval			1179385					
Gw-c6	6/25		L	Boring No. 06 Ground water sample			1179386					
Gw-c7	6/25		L	Boring No. 07 Ground water sample			1179387					
Gw-c8	6/25		L	Boring No. 08 Ground water sample			1179388					
EIA 11 2FV												
REAR												
L.V.												
SAMPLERS NAME (PRINT) Adam Hukhonen RELINQUISHED (PRINT) Adam Hukhonen SAMPLERS SIGNATURE <i>Adam Hukhonen</i> SIGNATURE <i>Adam Hukhonen</i> RECEIVED BY <i>[Signature]</i> ANALYST (PRINT) SIGNATURE <i>[Signature]</i> SIGNATURE <i>[Signature]</i> DATE 6/25 DATE 6/26 TIME 8:30-4:00 TIME 8:55p DATE 6/26 DATE 6/26 TIME 5:50p TIME 												

COMMENTS:

☐ ANALYZE EACH MATERIAL TO 1st POSITIVE ☒ FAX RESULTS TO (631) 584-3395 ☐ FAX RESULTS TO (631) 695-1158

MANAGER
Jota N.

J.C. Broderick & Associates • 420 Lake Avenue, St. James, NY 11780 • (Bill to Accounts Payable) • 631-584-5492 Phone, 631-584-3395 Fax

White-Laboratory Yellow-Office Pink-Field



**LONG
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TOMORROW'S ANALYTICAL SOLUTIONS TODAY *

1 of 22 pages

NYSDOH PLAKY 16693
USEPA# NY01279
C100H# PH 0284
NHA# 150456
NELAP# NY012
PADEP# SR 0043

LIAL #1179384

July 6, 2009

J.C. Broderick & Associates
Brendan Broderick
420 Lake Avenue
Saint James, NY 11780

Re: 09-15569, 1151 Loring Avenue, Brooklyn

Dear Mr. Broderick:

Enclosed please find the Laboratory Analysis Report(s) for sample(s) received on June 26, 2009. Long Island Analytical Laboratories analyzed the samples on July 2, 2009 for the following:

CLIENT ID	ANALYSIS
B-06	TAGM Volatiles, Semi-Volatiles and Total (13) Metals
B-07	TAGM Volatiles, Semi-Volatiles and Total (13) Metals
GW-06*	TAGM Volatiles, Semi-Volatiles and Total (13) Metals
GW-07*	TAGM Volatiles, Semi-Volatiles and Total (13) Metals
GW-08*	TAGM Volatiles, Semi-Volatiles and Total (13) Metals

Samples received at 1.2°C.

*2.F: Sample not preserved, corrected upon receipt with HNO₃ to pH <2

If you have any questions or require further information, please call at your convenience. Long Island Analytical Laboratories Inc. is a NELAP accredited laboratory. All reported results meet the requirements of the NELAP standards unless noted with the appropriate flag. Report shall not be reproduced except in full, without the written approval of the laboratory. Results relate only to items tested. Long Island Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

Long Island Analytical Laboratories, Inc.

110 Collin Drive • Holbrook, New York 11741
Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: JC Broderick	Client ID: 09-15589, Brooklyn (B-06)
Date received: 6/26/09	Laboratory ID: 1179384
Date extracted: 7/1/09	Matrix: Soil
Date analyzed: 7/1/09	ELAP #: 11693

NYS TAGM VOLATILES

PARAMETER	CAS No.	MDL ug/kg	RESULTS ug/kg	FLAG
ACETONE	67-64-1	59.20	<592	3 C
BENZENE	71-43-2	5.92	<59.20	3 C
2-BUTANONE (MEK)	78-93-3	11.80	<118	3 C
CARBON DISULFIDE	75-15-0	5.92	<59.20	3 C
CARBON TETRACHLORIDE	56-23-5	5.92	<59.20	3 C
CHLOROBENZENE	108-90-7	5.92	<59.20	3 C
CHLOROETHANE	75-00-3	5.92	<59.20	3 C
CHLOROFORM	67-66-3	5.92	<59.20	3 C
DIBROMOCHLOROMETHANE	124-48-1	5.92	<59.20	3 C
1,2-DICHLOROBENZENE	95-50-1	5.92	<59.20	3 C
1,3-DICHLOROBENZENE	541-73-1	5.92	<59.20	3 C
1,4-DICHLOROBENZENE	106-46-7	5.92	<59.20	3 C
1,1-DICHLOROETHANE	75-34-3	5.92	<59.20	3 C
1,2-DICHLOROETHANE	107-06-2	5.92	<59.20	3 C
1,1-DICHLOROETHENE	75-35-4	5.92	<59.20	3 C
trans[E]-1,2-DICHLOROETHENE	156-60-5	5.92	<59.20	3 C
1,3-DICHLOROPROPANE	142-28-9	5.92	<59.20	3 C
ETHYLBENZENE	100-41-4	5.92	<59.20	3 C
FREON 113	76-13-1	5.92	<59.20	3 C
METHYLENE CHLORIDE	75-09-2	5.92	<59.20	3 C
METHYL ISOBUTYL KETONE(MIBK)	108-10-1	5.92	<59.20	3 C
TETRACHLOROETHYLENE	127-18-4	5.92	<59.20	3 C
1,1,1-TRICHLOROETHANE	71-55-6	5.92	<59.20	3 C
1,1,2,2-TETRACHLOROETHANE	79-34-5	5.92	<59.20	3 C
1,2,3-TRICHLOROPROPANE	96-18-4	5.92	<59.20	3 C
1,2,4-TRICHLOROBENZENE	120-82-1	5.92	<59.20	3 C
TOLUENE	108-88-3	5.92	<59.20	3 C
TRICHLOROETHYLENE	79-01-6	5.92	<59.20	3 C
CHLOROETHENE (VINYL CHLORIDE)	75-01-4	5.92	<59.20	3 C
p&m-XYLENE	1330-20-7	11.80	<118	3 C
o-XYLENE	95-47-6	5.92	<59.20	3 C
n-BUTYLBENZENE	104-51-8	5.92	2,482	3 C
sec-BUTYLBENZENE	135-98-8	5.92	3,631	3 C
tert-BUTYLBENZENE	98-06-6	5.92	<59.20	3 C
ISOPROPYLBENZENE	98-82-8	5.92	<59.20	3 C
p-ISOPROPYLTOLUENE	99-87-6	5.92	729	3 C
n-PROPYLBENZENE	103-65-1	5.92	2,157	3 C
1,2,4,5-TETRAMETHYLBENZENE	95-93-2	5.92	3,706	3 C
1,3,5-TRIMETHYLBENZENE	108-67-8	5.92	<59.20	3 C
MTBE	1634-04-4	5.92	<59.20	3 C

MDL = Minimum Detection Limit

EPA Method 8260B

Calculated on a dry weight basis



**LONG
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LABORATORIES INC.**

Michael Veraldi
Michael Veraldi-Laboratory Director

110 Colton Drive • Holbrook, New York 11741

"TOMORROW'S ANALYTICAL SOLUTIONS TODAY"

Phone (631) 472-3400 • Fax (631) 472-8505 • E-mail: LIA@lialinc.com

Client: JC Broderick	Client ID: 09-15569, Brooklyn (B-06)
Date received: 6/26/09	Laboratory ID: 1179384
Date extracted: 6/29/09	Matrix: Soil
Date analyzed: 6/29/09	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

PARAMETER	CAS No.	MDL ug/kg	RESULTS ug/kg	FLAG
ACENAPHTHENE	83-32-9	47.30	<47.30	4 B
ACENAPHTHYLENE	208-96-8	47.30	<47.30	4 B
ANILINE	62-53-3	47.30	<47.30	4 B
ANTHRACENE	120-12-7	47.30	<47.30	4 B
BENZO-a-ANTHRACENE	56-55-3	47.30	51.30	4 B
BENZO-a-PYRENE	50-32-8	47.30	<47.30	4 B
BENZO-b-FLUOROANTHENE	205-99-2	47.30	66.30	4 B
BENZO-g,h-PERYLENE	191-24-2	47.30	<47.30	4 B
BENZOIC ACID	65-85-0	47.30	<47.30	4 B
BENZO-k-FLUOROANTHENE	207-08-9	47.30	<47.30	4 B
bis(2-ETHYLHEXYL)PHTHALATE	117-81-7	592	3.862	
BUTYLBENZYLPHthalATE	85-68-7	47.30	<47.30	4 B
CHRYSENE	218-01-9	47.30	67	4 B
4-CHLOROANILINE	106-47-8	47.30	<47.30	4 B
4-CHLORO-3-METHYLPHENOL	59-50-7	47.30	<47.30	4 B
2-CHLOROPHENOL	95-57-8	47.30	<47.30	4 B
DIBENZOFURAN	132-64-9	47.30	<47.30	4 B
DIBENZO-a,h-ANTHRACENE	53-70-3	47.30	<47.30	4 B
3,3-DICHLOROBENZIDINE	91-94-1	47.30	<47.30	4 B
2,4-DICHLOROPHENOL	120-83-2	47.30	<47.30	4 B
2,4-DINITROPHENOL	51-28-5	47.30	<47.30	4 B
2,6-DINITROTOLUENE	606-20-2	47.30	<47.30	4 B
DIMETHYLPHthalATE	131-11-3	47.30	<47.30	4 B

MDL = Minimum Detection Limit

EPA Method 8270

Calculated on a dry weight basis



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Client: JC Broderick	Client ID: 09-15569, Brooklyn (B-06)
Date received: 6/26/09	Laboratory ID: 1179384
Date extracted: 6/29/09	Matrix: Soil
Date analyzed: 6/29/09	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

PARAMETER	CAS No.	MDL ug/kg	RESULTS ug/kg	FLAG
DIETHYLPHTHALATE	84-66-2	47.30	59.90	4 B
DI-n-BUTYLPHTHALATE	84-74-2	592	<592	
DI-n-OCTYLPHTHALATE	117-84-0	47.30	196	
FLUORANTHENE	206-44-0	47.30	172	
FLUORENE	86-73-7	47.30	56	4 B
HEXACHLOROBENZENE	118-74-1	47.30	<47.30	4 B
INDENO(1,2,3-c,d)PYRENE	193-39-5	47.30	<47.30	4 B
ISOPHORONE	78-59-1	47.30	<47.30	4 B
2-METHYLNAPHTHALENE	91-57-6	47.30	993	
2-METHYLPHENOL	95-48-7	47.30	<47.30	4 B
3+4-METHYLPHENOL	15831-10-4	47.30	<47.30	4 B
NAPHTHALENE	91-20-3	47.30	2,249	
NITROBENZENE	98-95-3	47.30	<47.30	4 B
2-NITROANILINE	88-74-4	47.30	<47.30	4 B
2-NITROPHENOL	88-75-5	47.30	<47.30	4 B
4-NITROPHENOL	100-02-7	47.30	<47.30	4 B
3-NITROANILINE	99-09-2	47.30	<47.30	4 B
PENTACHLOROPHENOL	87-86-5	47.30	<47.30	4 B
PHENANTHRENE	85-01-8	47.30	188	
PHENOL	108-95-2	47.30	<47.30	4 B
PYRENE	129-00-0	47.30	140	
2,4,5-TRICHLOROPHENOL	95-85-4	47.30	<47.30	4 B

MDL = Minimum Detection Limit.

EPA Method 8270

Calculated on a dry weight basis



Michael Veraldi-Laboratory Director



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Client: JC Broderick	Client ID: 09-15569, Brooklyn (B-06)
Date received: 6/28/09	Laboratory ID: 1179384
Date analyzed: See Below	Matrix: Soil

METALS ANALYSIS

PARAMETER	MDL	DATE ANALYZED	RESULTS mg/kg	FLAG
SILVER, Ag	1.65 mg/kg	7/1/09	<1.65	
ARSENIC, As	1.65 mg/kg	7/1/09	<1.65	
BARIUM, Ba	3.33 mg/kg	7/1/09	32.5	
CADMIUM, Cd	1.00 mg/kg	7/1/09	<1.00	
CHROMIUM, Cr	1.65 mg/kg	7/1/09	14.3	
COPPER, Cu	1.65 mg/kg	7/1/09	14.5	
IRON, Fe	1.65 mg/kg	7/2/09	10,336	4.F
MERCURY, Hg*	0.020 mg/kg	7/2/09	0.021	
MANGANESE, Mn	1.65 mg/kg	7/2/09	247	
NICKEL, Ni	1.65 mg/kg	7/1/09	9.42	
LEAD, Pb	1.65 mg/kg	7/1/09	11.0	
SELENIUM, Se	1.65 mg/kg	7/1/09	<1.65	
ZINC, Zn	1.65 mg/kg	7/1/09	21.5	

MDL = Minimum Detection Limit.
 Performed by EPA Method 6010B
 *Method: EPA 7471A

Calculated on a dry weight basis



Michael Veraldi-Laboratory Director



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Client: JC Broderick	Client ID: 09-15569, Brooklyn (B-07)
Date received: 6/26/09	Laboratory ID: 1179385
Date extracted: 7/1/09	Matrix: Soil
Date analyzed: 7/1/09	ELAP #: 11693

NYS TAGM VOLATILES

PARAMETER	CAS No.	MDL ug/kg	RESULTS ug/kg	FLAG
ACETONE	67-64-1	67.30	<67.3	3.C
BENZENE	71-43-2	6.73	<67.30	3.C
2-BUTANONE (MEK)	78-93-3	13.50	<135	3.C
CARBON DISULFIDE	75-15-0	6.73	<67.30	3.C
CARBON TETRACHLORIDE	56-23-5	6.73	<67.30	3.C
CHLOROBENZENE	108-90-7	6.73	<67.30	3.C
CHLOROETHANE	75-00-3	6.73	<67.30	3.C
CHLOROFORM	67-66-3	6.73	<67.30	3.C
DIBROMOCHLOROMETHANE	124-48-1	6.73	<67.30	3.C
1,2-DICHLOROBENZENE	95-50-1	6.73	<67.30	3.C
1,3-DICHLOROBENZENE	541-73-1	6.73	<67.30	3.C
1,4-DICHLOROBENZENE	106-46-7	6.73	<67.30	3.C
1,1-DICHLOROETHANE	75-34-3	6.73	<67.30	3.C
1,2-DICHLOROETHANE	107-06-2	6.73	<67.30	3.C
1,1-DICHLOROETHENE	75-35-4	6.73	<67.30	3.C
trans[E]-1,2-DICHLOROETHENE	156-60-6	6.73	<67.30	3.C
1,3-DICHLOROPROPANE	142-28-9	6.73	<67.30	3.C
ETHYLBENZENE	100-41-4	6.73	<67.30	3.C
FREON 113	76-13-1	6.73	<67.30	3.C
METHYLENE CHLORIDE	75-09-2	6.73	<67.30	3.C
METHYL ISOBUTYL KETONE (MIBK)	108-10-1	6.73	<67.30	3.C
(TETRACHLOROETHYLENE)	127-18-4	6.73	189	3.C
1,1,1-TRICHLOROETHANE	71-55-6	6.73	<67.30	3.C
1,1,2,2-TETRACHLOROETHANE	79-34-5	6.73	<67.30	3.C
1,2,3-TRICHLOROPROPANE	96-18-4	6.73	<67.30	3.C
1,2,4-TRICHLOROBENZENE	120-82-1	6.73	<67.30	3.C
TOLUENE	108-88-3	6.73	<67.30	3.C
TRICHLOROETHYLENE	79-01-6	6.73	<67.30	3.C
CHLOROETHENE (VINYL CHLORIDE)	75-01-4	6.73	<67.30	3.C
p&m-XYLENE	1330-20-7	13.50	<135	3.C
o-XYLENE	95-47-6	6.73	<67.30	3.C
n-BUTYLBENZENE	104-51-8	6.73	3.205	3.C
sec-BUTYLBENZENE	135-98-8	6.73	3.815	3.C
tert-BUTYLBENZENE	98-06-6	6.73	<67.30	3.C
ISOPROPYLBENZENE	98-82-8	6.73	<67.30	3.C
p-ISOPROPYLTOLUENE	99-87-6	6.73	1.451	3.C
n-PROPYLBENZENE	103-65-1	6.73	1.406	3.C
1,2,4,5-TETRAMETHYLBENZENE	95-93-2	6.73	5.965	3.C
1,3,5-TRIMETHYLBENZENE	108-67-8	6.73	<67.30	3.C
MTBE	1634-04-4	6.73	<67.30	3.C

MDL = Minimum Detection Limit

EPA Method 8260B

Calculated on a dry weight basis



LONG
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LABORATORIES INC.

Michael Veraldi
Michael Veraldi-Laboratory Director

110 Court Cove - Holbrook, New York 11791

Client: JC Broderick	Client ID: 09-15569, Brooklyn (B-07)
Date received: 6/26/09	Laboratory ID: 1179385
Date extracted: 6/29/09	Matrix: Soil
Date analyzed: 6/29/09	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

PARAMETER	CAS No.	MDL ug/kg	RESULTS ug/kg	FLAG
ACENAPHTHENE	83-32-9	53.90	65.50	4.B
ACENAPHTHYLENE	208-96-8	53.90	<53.90	4.B
ANILINE	62-53-3	53.90	<53.90	4.B
ANTHRACENE	120-12-7	53.90	96.10	4.B
BENZO-a-ANTHRACENE	56-55-3	53.90	171	4.B
BENZO-a-PYRENE	50-32-8	53.90	158	4.B
BENZO-b-FLUOROANTHENE	205-99-2	53.90	193	
BENZO-g,h,i-PERYLENE	191-24-2	53.90	110	4.B
BENZOIC ACID	65-85-0	53.90	<53.90	4.B
BENZO-k-FLUOROANTHENE	207-08-9	53.90	141	4.B
bis(2-ETHYLHEXYL)PHTHALATE	117-81-7	673	4,807	
BUTYLBENZYL PHTHALATE	85-68-7	53.90	<53.90	4.B
CHRYSENE	218-01-9	53.90	196	
4-CHLOROANILINE	106-47-8	53.90	<53.90	4.B
4-CHLORO-3-METHYLPHENOL	59-50-7	53.90	<53.90	4.B
2-CHLOROPHENOL	95-57-8	53.90	<53.90	4.B
DIBENZOFURAN	132-84-9	53.90	<53.90	4.B
DIBENZO-a,h-ANTHRACENE	53-70-3	53.90	<53.90	4.B
3,3-DICHLOROBENZIDINE	91-94-1	53.90	<53.90	4.B
2,4-DICHLOROPHENOL	120-83-2	53.90	<53.90	4.B
2,4-DINITROPHENOL	51-28-5	53.90	<53.90	4.B
2,6-DINITROTOLUENE	606-20-2	53.90	<53.90	4.B
DIMETHYL PHTHALATE	131-11-3	53.90	<53.90	4.B

MDL = Minimum Detection Limit

EPA Method 8270

Calculated on a dry weight basis



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Phone: (516) 472-3400 • Fax: (516) 472-8505 • Email: LIAI@liaiinc.com

Client: JC Broderick	Client ID: 09-15569, Brooklyn (B-07)
Date received: 6/26/09	Laboratory ID: 1179385
Date extracted: 6/29/09	Matrix: Soil
Date analyzed: 6/29/09	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

PARAMETER	CAS No.	MDL ug/kg	RESULTS ug/kg	FLAG
DIETHYLPHthalATE	84-88-2	53.90	141	4 B
DI-n-BUTYLPHthalATE	84-74-2	673	<673	
DI-n-OCTYLPHthalATE	117-84-0	53.90	264	
FLUORANTHENE	206-44-0	53.90	550	
FLUORENE	86-73-7	53.90	90.70	4 B
HEXACHLOROBENZENE	118-74-1	53.90	<53.90	4 B
INDENO(1,2,3-c,d)PYRENE	193-39-5	53.90	147	4 B
ISOPHORONE	78-59-1	53.90	<53.90	4 B
2-METHYLNAPHTHALENE	91-57-6	53.90	587	
2-METHYLPHENOL	95-48-7	53.90	<53.90	4 B
3+4-METHYLPHENOL	15831-10-4	53.90	<53.90	4 B
NAPHTHALENE	91-20-3	53.90	<53.90	4 B
NITROBENZENE	98-95-3	53.90	<53.90	4 B
2-NITROANILINE	88-74-4	53.90	<53.90	4 B
2-NITROPHENOL	88-75-5	53.90	<53.90	4 B
4-NITROPHENOL	100-02-7	53.90	<53.90	4 B
3-NITROANILINE	99-09-2	53.90	<53.90	4 B
PENTACHLOROPHENOL	87-86-5	53.90	<53.90	4 B
PHENANTHRENE	85-01-8	53.90	343	
PHENOL	105-95-2	53.90	<53.90	4 B
PYRENE	129-00-0	53.90	453	
2,4,6-TRICHLOROPHENOL	95-95-4	53.90	<53.90	4 B

MDL = Minimum Detection Limit

EPA Method 8270

Calculated on a dry weight basis



Michael Veraldi-Laboratory Director



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Client: JC Broderick	Client ID: 09-15569, Brooklyn (B-07)
Date received: 6/26/09	Laboratory ID: 1179385
Date analyzed: See Below	Matrix: Soil

METALS ANALYSIS

PARAMETER	MDL	DATE ANALYZED	RESULTS mg/kg	FLAG
SILVER, Ag	1.81 mg/kg	7/1/09	<1.81	
ARSENIC, As	1.81 mg/kg	7/1/09	<1.81	
BARIUM, Ba	3.62 mg/kg	7/1/09	26.7	
CADMIUM, Cd	1.09 mg/kg	7/1/09	<1.09	
CHROMIUM, Cr	1.81 mg/kg	7/1/09	11.5	
COPPER, Cu	1.81 mg/kg	7/1/09	7.77	
IRON, Fe	1.81 mg/kg	7/2/09	8,170	4.F
MERCURY, Hg*	0.020 mg/kg	7/2/09	0.047	
MANGANESE, Mn	1.81 mg/kg	7/1/09	55.7	
NICKEL, Ni	1.81 mg/kg	7/1/09	6.92	
LEAD, Pb	1.81 mg/kg	7/1/09	22.2	
SELENIUM, Se	1.81 mg/kg	7/1/09	<1.81	
ZINC, Zn	1.81 mg/kg	7/1/09	23.3	

MDL = Minimum Detection Limit
 Performed by EPA Method 6010B
 *Method EPA 7471A

Calculated on a dry weight basis


 Michael Veraldi-Laboratory Director



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Client: JC Broderick	Client ID: 09-15569, Brooklyn (GW-06)
Date received: 6/26/09	Laboratory ID: 1179386
Date extracted: 7/2/09	Matrix: Liquid
Date analyzed: 7/2/09	ELAP #: 11693

NYS TAGM VOLATILES

PARAMETER	CAS No.	MDL ug/L	RESULTS ug/L	FLAG
ACETONE	67-64-1	50	<50	
BENZENE	71-43-2	0.7	2.58	4 B
2-BUTANONE (MEK)	78-93-3	10	<10	
CARBON DISULFIDE	75-15-0	5	<5	
CARBON TETRACHLORIDE	56-23-5	5	<5	
CHLOROBENZENE	108-90-7	5	<5	
CHLOROETHANE	75-00-3	5	<5	
CHLOROFORM	67-68-3	5	<5	
DIBROMOCHLOROMETHANE	124-48-1	5	<5	
1,2-DICHLOROBENZENE	95-50-1	5	<5	
1,3-DICHLOROBENZENE	541-73-1	5	<5	
1,4-DICHLOROBENZENE	106-46-7	5	<5	
1,1-DICHLOROETHANE	75-34-3	5	<5	
1,2-DICHLOROETHANE	107-06-2	5	<5	
1,1-DICHLOROETHENE	75-35-4	5	<5	
trans[E]-1,2-DICHLOROETHENE	156-60-5	5	<5	
1,3-DICHLOROPROPANE	142-28-9	5	<5	
ETHYLBENZENE	100-41-4	5	<5	
FREON 113	76-13-1	5	<5	
METHYLENE CHLORIDE	75-09-2	5	<5	
METHYL ISOBUTYL KETONE(MIBK)	108-10-1	5	<5	
TETRACHLOROETHYLENE	127-18-4	5	<5	
1,1,1-TRICHLOROETHANE	71-55-6	5	<5	
1,1,2,2-TETRACHLOROETHANE	79-34-5	5	<5	
1,2,3-TRICHLOROPROPANE	96-18-4	5	<5	
1,2,4-TRICHLOROBENZENE	120-82-1	5	<5	
TOLUENE	108-88-3	5	<5	
TRICHLOROETHYLENE	79-01-6	5	<5	
CHLOROETHENE (VINYL CHLORIDE)	75-31-4	5	<5	
p&m-XYLENE	1330-20-7	10	<10	
o-XYLENE	95-47-6	5	<5	
n-BUTYLBENZENE	104-51-8	5	<5	
sec-BUTYLBENZENE	135-98-8	5	11.40	
tert-BUTYLBENZENE	98-06-6	5	<5	
ISOPROPYLBENZENE	98-82-8	5	<5	
p-ISOPROPYLTOLUENE	99-87-6	5	<5	
n-PROPYLBENZENE	103-65-1	5	<5	
1,2,4,5-TETRAMETHYLBENZENE	95-93-2	5	123	
1,3,5-TRIMETHYLBENZENE	108-67-8	5	<5	
MTBE	1634-04-4	5	<5	

MDL = Minimum Detection Limit

EPA Method 8260B



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Client: JC Broderick	Client ID: 09-15569, Brooklyn (GW-06)
Date received: 6/26/09	Laboratory ID: 1179386
Date extracted: 7/1/09	Matrix: Liquid
Date analyzed: 7/1/09	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

PARAMETER	CAS No.	MDL ug/L	RESULTS ug/L	FLAG
ACENAPHTHENE	83-32-9	5	<5	4B
ACENAPHTHYLENE	208-96-8	5	<5	4B
ANILINE	62-53-3	5	<5	4B
ANTHRACENE	120-12-7	5	<5	4B
BENZO-a-ANTHRACENE	56-55-3	5	<5	4B
BENZO-a-PYRENE	50-32-8	5	<5	4B
BENZO-b-FLUOROANTHENE	205-99-2	5	<5	4B
BENZO-g,h-PERYLENE	191-24-2	5	<5	4B
BENZOIC ACID	65-85-0	5	<5	4B
BENZO-k-FLUOROANTHENE	207-08-9	5	<5	4B
bis(2-ETHYLHEXYL)PHTHALATE	117-81-7	5	70	
BUTYLBENZYLPHthalATE	85-68-7	5	<5	4B
CHRYSENE	218-01-9	5	<5	4B
4-CHLOROANILINE	106-47-8	5	<5	4B
4-CHLORO-3-METHYLPHENOL	59-50-7	5	<5	4B
2-CHLOROPHENOL	95-57-8	5	<5	4B
DIBENZOFURAN	132-84-9	5	<5	4B
DIBENZO-a,h-ANTHRACENE	53-70-3	5	<5	4B
3,3-DICHLOROBENZIDINE	91-94-1	5	<5	4B
2,4-DICHLOROPHENOL	120-83-2	5	<5	4B
2,4-DINITROPHENOL	51-28-5	5	<5	4B
2,6-DINITROTOLUENE	606-20-2	5	<5	4B
DIMETHYLPHthalATE	131-11-3	5	<5	4B

MDL = Minimum Detection Limit.

EPA Method 8270/625



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Client: JC Broderick	Client ID: 09-15569, Brooklyn (GW-06)
Date received: 6/26/09	Laboratory ID: 1179386
Date extracted: 7/1/09	Matrix: Liquid
Date analyzed: 7/1/09	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

PARAMETER	CAS No.	MDL ug/L	RESULTS ug/L	FLAG
DIETHYLPHthalATE	84-66-2	5	<5	4 B
D-n-BUTYLPHthalATE	84-74-2	5	<5	4 B
DI-n-OCTYLPHthalATE	117-84-0	5	<5	4 B
FLUCRANTHENE	206-44-0	5	<5	4 B
FLUORENE	86-73-7	5	<5	4 B
HEXACHLORO BENZENE	118-74-1	5	<5	4 B
INDENO(1,2,3-c,d)PYRENE	193-39-5	5	<5	4 B
ISOPHORONE	78-59-1	5	<5	4 B
2-METHYLNAPHTHALENE	91-57-6	5	20	
2-METHYLPHENOL	95-48-7	5	<5	4 B
3+4-METHYLPHENOL	15831-10-4	5	<5	4 B
NAPHTHALENE	91-20-3	5	70	
NITROBENZENE	98-95-3	5	<5	4 B
2-NITROPHENOL	88-75-5	5	<5	4 B
4-NITROPHENOL	100-02-7	5	<5	4 B
3-NITROANILINE	99-09-2	5	<5	4 B
PENTACHLOROPHENOL	87-86-5	5	<5	4 B
PHENANTHRENE	85-01-8	5	<5	4 B
PHENOL	108-95-2	5	<5	4 B
PYRENE	129-00-0	5	<5	4 B
2,4,5-TRICHLOROPHENOL	95-95-4	5	<5	4 B
2-NITROANILINE	88-74-4	5	<5	4 B

MDL = Minimum Detection Limit.

EPA Method 8270/825



Michael Veraldi-Laboratory Director



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Client: JC Broderick	Client ID: 09-15569, Brooklyn (GW-06)
Date received: 6/26/09	Laboratory ID: 1179386
Date analyzed: See Below	Matrix: Liquid

METALS ANALYSIS

PARAMETER	MDL	DATE ANALYZED	RESULTS mg/L	FLAG
SILVER, Ag	0.05 mg/L	7/2/09	<0.05	
ARSENIC, As	0.05 mg/L	7/2/09	<0.05	
BARIUM, Ba	1.00 mg/L	7/2/09	<1.00	
CADMIUM, Cd	0.05 mg/L	7/2/09	<0.05	
CHROMIUM, Cr	0.05 mg/L	7/2/09	0.33	
COPPER, Cu	0.05 mg/L	7/2/09	0.22	
IRON, Fe	0.05 mg/L	7/2/09	56.7	
MERCURY, Hg*	0.002 mg/L	7/2/09	<0.002	
MANGANESE, Mn	0.05 mg/L	7/2/09	0.52	
NICKEL, Ni	0.05 mg/L	7/2/09	0.21	
LEAD, Pb	0.05 mg/L	7/2/09	0.07	
SELENIUM, Se	0.05 mg/L	7/2/09	<0.05	
ZINC, Zn	0.05 mg/L	7/2/09	0.37	

MDL = Minimum Detection Limit.

Method: EPA 200.7

*Method: EPA 245.2



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Client: JC Broderick	Client ID: 09-15569, Brooklyn (GW-07)
Date received: 6/26/09	Laboratory ID: 1179387
Date extracted: 7/2/09	Matrix: Liquid
Date analyzed: 7/2/09	ELAP #: 11693

NYS TAGM VOLATILES

PARAMETER	CAS No.	MDL ug/L	RESULTS ug/L	FLAG
ACETONE	67-64-1	50	<500	3 B
BENZENE	71-43-2	0.7	<7	3 B4 B
2-BUTANONE (MEK)	78-93-3	10	<100	3 B
CARBON DISULFIDE	75-15-0	5	<50	3 B
CARBON TETRACHLORIDE	56-23-5	5	<50	3 B
CHLOROBENZENE	108-90-7	5	<50	3 B
CHLOROETHANE	75-00-3	5	<50	3 B
CHLOROFORM	67-66-3	5	<50	3 B
DIBROMOCHLOROMETHANE	124-48-1	5	<50	3 B
1,2-DICHLOROBENZENE	95-50-1	5	<50	3 B
1,3-DICHLOROBENZENE	541-73-1	5	<50	3 B
1,4-DICHLOROBENZENE	106-46-7	5	<50	3 B
1,1-DICHLOROETHANE	75-34-3	5	<50	3 B
1,2-DICHLOROETHANE	107-06-2	5	<50	3 B
1,1-DICHLOROETHENE	75-35-4	5	<50	3 B
trans[E]-1,2-DICHLOROETHENE	158-60-5	5	<50	3 B
1,3-DICHLOROPROPANE	142-28-9	5	<50	3 B
ETHYLBENZENE	100-41-4	5	242	3 B
FREON 113	76-13-1	5	<50	3 B
METHYLENE CHLORIDE	75-09-2	5	<50	3 B
METHYL ISOBUTYL KETONE(MIBK)	108-10-1	5	<50	3 B
TETRACHLOROETHYLENE	127-18-4	5	<50	3 B
1,1,1-TRICHLOROETHANE	71-55-6	5	<50	3 B
1,1,2,2-TETRACHLOROETHANE	79-34-5	5	<50	3 B
1,2,3-TRICHLOROPROPANE	95-18-4	5	<50	3 B
1,2,4-TRICHLOROBENZENE	120-82-1	5	<50	3 B
TOLUENE	108-88-3	5	<50	3 B
TRICHLOROETHYLENE	79-01-6	5	<50	3 B
CHLOROETHENE (VINYL CHLORIDE)	75-01-4	5	<50	3 B
p&m-XYLENE	1330-20-7	10	<100	3 B
o-XYLENE	95-47-6	5	<50	3 B
n-BUTYLBENZENE	104-51-8	5	156	3 B
sec-BUTYLBENZENE	135-98-8	5	139	3 B
tert-BUTYLBENZENE	98-06-6	5	<50	3 B
ISOPROPYLBENZENE	98-82-8	5	145	3 B
p-ISOPROPYLTOLUENE	99-87-6	5	109	3 B
n-PROPYLBENZENE	103-65-1	5	276	3 B
1,2,4,5-TETRAMETHYLBENZENE	95-93-2	5	282	3 B
1,3,5-TRIMETHYLBENZENE	108-67-8	5	76.10	3 B
MTBE	1634-04-4	5	<50	3 B

MDL = Minimum Detection Limit

EPA Method 8260B



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Michael Veraldi
Michael Veraldi-Laboratory Director

310 Cedar Drive • Hollbrook, New York 11771

Client: JC Broderick	Client ID: 09-15569, Brooklyn (GW-07)
Date received: 6/26/09	Laboratory ID: 1179387
Date extracted: 7/1/09	Matrix: Liquid
Date analyzed: 7/1/09	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

PARAMETER	CAS No.	MDL ug/L	RESULTS ug/L	FLAG
ACENAPHTHENE	83-32-9	5	<10	3 B4 B
ACENAPHTHYLENE	208-96-8	5	<10	3 B4 B
ANILINE	62-53-3	5	<10	3 B4 B
ANTHRACENE	120-12-7	5	<10	3 B4 B
BENZO-a-ANTHRACENE	56-55-3	5	<10	3 B4 B
BENZO-a-PYRENE	50-32-8	5	<10	3 B4 B
BENZO-b-FLUOROANTHENE	205-99-2	5	<10	3 B4 B
BENZO-g,h,i-PERYLENE	191-24-2	5	<10	3 B4 B
BENZOIC ACID	65-85-0	5	<10	3 B4 B
BENZO-k-FLUOROANTHENE	207-08-9	5	<10	3 B4 B
bis(2-ETHYLHEXYL)PHTHALATE	117-81-7	5	300	
BUTYLBENZYL PHTHALATE	85-68-7	5	70	
CHRYSENE	218-01-8	5	<10	3 B4 B
4-CHLOROANILINE	106-47-8	5	<10	3 B4 B
4-CHLORO-3-METHYLPHENOL	59-50-7	5	<10	3 B4 B
2-CHLOROPHENOL	95-57-8	5	<10	3 B4 B
DIBENZOFURAN	132-64-9	5	<10	3 B4 B
DIBENZO-a,h-ANTHRACENE	53-70-3	5	<10	3 B4 B
3,3-DICHLOROBENZIDINE	91-94-1	5	<10	3 B4 B
2,4-DICHLOROPHENOL	120-83-2	5	<10	3 B4 B
2,4-DINITROPHENOL	51-28-5	5	<10	3 B4 B
2,6-DINITROTOLUENE	606-20-2	5	<10	3 B4 B
DIMETHYL PHTHALATE	131-11-3	5	<10	3 B4 B

MDL = Minimum Detection Limit.

EPA Method 8270/625



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Client: JC Broderick	Client ID: 09-15569, Brooklyn (GW-07)
Date received: 6/26/09	Laboratory ID: 1179387
Date extracted: 7/1/09	Matrix: Liquid
Date analyzed: 7/1/09	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

PARAMETER	CAS No.	MDL ug/L	RESULTS ug/L	FLAG
DIETHYLPHTHALATE	84-66-2	5	<10	3 B4 B
DI-n-BUTYLPHTHALATE	84-74-2	5	20	
DI-n-OCTYLPHTHALATE	117-84-0	5	20	4 B
FLUORANTHENE	206-44-0	5	10	4 B
FLUORENE	86-73-7	5	<10	3 B4 B
HEXACHLOROBENZENE	118-74-1	5	<10	3 B4 B
INDENO(1,2,3-c,d)PYRENE	193-39-5	5	<10	3 B4 B
ISOPHORONE	78-59-1	5	<10	3 B4 B
2-METHYLNAPHTHALENE	91-57-8	5	50	
2-METHYLPHENOL	95-48-7	5	<10	3 B4 B
3+4-METHYLPHENOL	15831-10-4	5	<10	3 B4 B
NAPHTHALENE	91-20-3	5	200	
NITROBENZENE	98-95-3	5	<10	3 B4 B
2-NITROPHENOL	88-75-5	5	<10	3 B4 B
4-NITROPHENOL	100-02-7	5	<10	3 B4 B
3-NITROANILINE	99-09-2	5	<10	3 B4 B
PENTACHLOROPHENOL	87-86-5	5	<10	3 B4 B
PHENANTHRENE	85-01-8	5	10	4 B
PHENOL	108-95-2	5	<10	3 B4 B
PYRENE	129-00-0	5	<10	3 B4 B
2,4,5-TRICHLOROPHENOL	95-95-4	5	<10	3 B4 B
2-NITROANILINE	88-74-4	5	<10	3 B4 B

MDL = Minimum Detection Limit.

EPA Method 8270/625



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Client: JC Broderick	Client ID: 09-15569, Brooklyn (GW-07)
Date received: 6/26/09	Laboratory ID: 1179387
Date analyzed: See Below	Matrix: Liquid

METALS ANALYSIS

PARAMETER	MDL	DATE ANALYZED	RESULTS mg/L	FLAG
SILVER, Ag	0.05 mg/L	7/2/09	<0.05	
ARSENIC, As	0.05 mg/L	7/2/09	<0.05	
BARIUM, Ba	1.00 mg/L	7/2/09	<1.00	
CADMIUM, Cd	0.05 mg/L	7/2/09	<0.05	
CHROMIUM, Cr	0.05 mg/L	7/2/09	0.25	
COPPER, Cu	0.05 mg/L	7/2/09	0.12	
IRON, Fe	0.05 mg/L	7/2/09	77.0	4.F
MERCURY, Hg*	0.002 mg/L	7/2/09	<0.002	
MANGANESE, Mn	0.05 mg/L	7/2/09	1.67	
NICKEL, Ni	0.05 mg/L	7/2/09	0.18	
LEAD, Pb	0.05 mg/L	7/2/09	0.05	
SELENIUM, Se	0.05 mg/L	7/2/09	<0.05	
ZINC, Zn	0.05 mg/L	7/2/09	0.34	

MDL = Minimum Detection Limit

Method: EPA 200.7

*Method: EPA 245.2



Michael Veraldi-Laboratory Director

Client JC Broderick	Client ID: 09-15569 Brooklyn (GW-08)
Date received: 6/26/09	Laboratory ID: 1179388
Date extracted: 7/2/09	Matrix: Liquid
Date analyzed: 7/2/09	ELAP #: 11693

NYS TAGM VOLATILES

PARAMETER	CAS No.	MDL ug/L	RESULTS ug/L	FLAG
ACETONE	67-64-1	50	<50	
BENZENE	71-43-2	0.7	<0.7	4 B
2-BUTANONE (MEK)	78-93-3	10	<10	
CARBON DISULFIDE	75-15-0	5	<5	
CARBON TETRACHLORIDE	56-23-5	5	<5	
CHLOROBENZENE	108-90-7	5	<5	
CHLOROETHANE	75-00-3	5	<5	
CHLOROFORM	67-66-3	5	<5	
DIBROMOCHLOROMETHANE	124-48-1	5	<5	
1,2-DICHLOROBENZENE	95-50-1	5	<5	
1,3-DICHLOROBENZENE	541-73-1	5	<5	
1,4-DICHLOROBENZENE	106-46-7	5	<5	
1,1-DICHLOROETHANE	75-34-3	5	<5	
1,2-DICHLOROETHANE	107-06-2	5	<5	
1,1-DICHLOROETHENE	75-35-4	5	<5	
trans[<i>E</i>]-1,2-DICHLOROETHENE	156-60-5	5	<5	
1,3-DICHLOROPROPANE	142-28-9	5	<5	
ETHYLBENZENE	100-41-4	5	<5	
FREON 113	76-13-1	5	<5	
METHYLENE CHLORIDE	75-09-2	5	<5	
METHYL ISOBUTYL KETONE (MIBK)	108-10-1	5	<5	
TETRACHLOROETHYLENE	127-18-4	5	<5	
1,1,1-TRICHLOROETHANE	71-55-6	5	<5	
1,1,2,2-TETRACHLOROETHANE	79-34-5	5	<5	
1,2,3-TRICHLOROPROPANE	98-18-4	5	<5	
1,2,4-TRICHLOROBENZENE	120-82-1	5	<5	
TOLUENE	108-88-3	5	<5	
TRICHLOROETHYLENE	79-01-8	5	<5	
CHLOROETHENE (VINYL CHLORIDE)	75-01-4	5	<5	
p&m-XYLENE	1330-20-7	10	<10	
o-XYLENE	95-47-6	5	<5	
n-BUTYLBENZENE	104-51-8	5	<5	
sec-BUTYLBENZENE	135-98-8	5	<5	
tert-BUTYLBENZENE	98-06-6	5	<5	
ISOPROPYLBENZENE	98-82-8	5	<5	
p-ISOPROPYLTOLUENE	99-87-6	5	<5	
n-PROPYLBENZENE	103-65-1	5	<5	
1,2,4,5-TETRAMETHYLBENZENE	95-93-2	5	<5	
1,3,5-TRIMETHYLBENZENE	108-67-8	5	<5	
MTBE	1634-04-4	5	<5	

MDL = Minimum Detection Limit.

EPA Method 8260B



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Michael Veraldi
Michael Veraldi-Laboratory Director

110 Cullen Drive • Holbrook, New York 11741

Client: JC Broderick	Client ID: 09-15569, Brooklyn (GW-08)
Date received: 6/26/09	Laboratory ID: 1179388
Date extracted: 7/1/09	Matrix: Liquid
Date analyzed: 7/1/09	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

PARAMETER	CAS No.	MDL ug/L	RESULTS ug/L	FLAG
ACENAPHTHENE	83-32-9	5	<5	4 B
ACENAPHTHYLENE	208-96-8	5	<5	4 B
ANILINE	62-53-3	5	<5	4 B
ANTHRACENE	120-12-7	5	<5	4 B
BENZO-a-ANTHRACENE	56-55-3	5	<5	4 B
BENZO-a-PYRENE	50-32-8	5	<5	4 B
BENZO-b-FLUOROANTHENE	205-99-2	5	<5	4 B
BENZO-g,h,i-PERYLENE	191-24-2	5	<5	4 B
BENZOIC ACID	65-85-0	5	<5	4 B
BENZO-k-FLUOROANTHENE	207-08-9	5	<5	4 B
bis(2-ETHYLHEXYL)PHTHALATE	117-81-7	5	5	4 B
BUTYLBENZYL PHTHALATE	85-68-7	5	<5	4 B
CHRYSENE	218-01-9	5	<5	4 B
4-CHLOROANILINE	106-47-8	5	<5	4 B
4-CHLORO-3-METHYLPHENOL	59-50-7	5	<5	4 B
2-CHLOROPHENOL	95-57-8	5	<5	4 B
DIBENZOFURAN	132-64-9	5	<5	4 B
DIBENZO-a,h-ANTHRACENE	53-70-3	5	<5	4 B
3,3-DICHLOROBENZIDINE	91-94-1	5	<5	4 B
2,4-DICHLOROPHENOL	120-83-2	5	<5	4 B
2,4-DINITROPHENOL	51-28-5	5	<5	4 B
2,6-DINITROTOLUENE	606-20-2	5	<5	4 B
DIMETHYL PHTHALATE	131-11-3	5	<5	4 B

MDL = Minimum Detection Limit.

EPA Method 8270/625



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Client: JC Broderick	Client ID: 09-15569, Brooklyn (GW-08)
Date received: 6/26/09	Laboratory ID: 1179388
Date extracted: 7/1/09	Matrix: Liquid
Date analyzed: 7/1/09	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

PARAMETER	CAS No.	MDL ug/L	RESULTS ug/L	FLAG
DIETHYLPHTHALATE	84-66-2	5	<5	4 B
DI-n-BUTYLPHTHALATE	84-74-2	5	<5	4 B
DI-n-OCTYLPHTHALATE	117-84-0	5	<5	4 B
FLUORANTHENE	206-44-0	5	<5	4 B
FLUORENE	86-73-7	5	<5	4 B
HEXACHLOROBENZENE	118-74-1	5	<5	4 B
INDENO(1,2,3-c,d)PYRENE	193-39-5	5	<5	4 B
ISOPHORONE	78-59-1	5	<5	4 B
2-METHYLNAPHTHALENE	91-57-6	5	<5	4 B
2-METHYLPHENOL	95-48-7	5	<5	4 B
3+4-METHYLPHENOL	15831-10-4	5	<5	4 B
NAPHTHALENE	91-20-3	5	<5	4 B
NITROBENZENE	98-95-3	5	<5	4 B
2-NITROPHENOL	88-75-5	5	<5	4 B
4-NITROPHENOL	100-02-7	5	<5	4 B
3-NITROANILINE	99-09-2	5	<5	4 B
PENTACHLOROPHENOL	87-86-5	5	<5	4 B
PHENANTHRENE	85-01-8	5	<5	4 B
PHENOL	108-95-2	5	<5	4 B
PYRENE	129-00-0	5	<5	4 B
2,4,5-TRICHLOROPHENOL	95-95-4	5	<5	4 B
2-NITROANILINE	88-74-4	5	<5	4 B

MDL = Minimum Detection Limit

EPA Method 8270/625



Michael Veraldi-Laboratory Director



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Client: JC Broderick	Client ID: 09-15569, Brooklyn (GW-08)
Date received: 6/26/09	Laboratory ID: 1179388
Date analyzed: See Below	Matrix: Liquid

METALS ANALYSIS

PARAMETER	MDL	DATE ANALYZED	RESULTS mg/L	FLAG
SILVER, Ag	0.05 mg/L	7/2/09	<0.05	
ARSENIC, As	0.05 mg/L	7/2/09	<0.05	
BARIUM, Ba	1.00 mg/L	7/2/09	<1.00	
CADMIUM, Cd	0.05 mg/L	7/2/09	<0.05	
CHROMIUM, Cr	0.05 mg/L	7/2/09	0.38	
COPPER, Cu	0.05 mg/L	7/2/09	0.24	
IRON, Fe	0.05 mg/L	7/2/09	134	4.F
MERCURY, Hg•	0.002 mg/L	7/2/09	<0.002	
MANGANESE, Mn	0.05 mg/L	7/2/09	0.98	
NICKEL, Ni	0.05 mg/L	7/2/09	0.28	
LEAD, Pb	0.05 mg/L	7/2/09	0.11	
SELENIUM, Se	0.05 mg/L	7/2/09	<0.05	
ZINC, Zn	0.05 mg/L	7/2/09	0.48	

MDL = Minimum Detection Limit.

Method: EPA 200.7

•Method: EPA 245.2



 Michael Veraldi-Laboratory Director


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LONG ISLAND ANALYTICAL LABORATORIES, INC. **DATA REPORTING FLAGS**

For reporting results, the following "Flags" are used:

- 1 A: Time not supplied by client, may have exceeded holding time
- 1 B: Holding time exceeded, results cannot be used for regulatory purposes
- 1 C: Holding time exceeded, analyze immediate parameter
- 1 D: Results based on volume supplied by client.

- 2 A: Sample received in incorrect container
- 2 B: Parameter not certifiable by NELAC
- 2 C: Sample container received with head space
- 2 D: Cassette received without cap(s)
- 2 E: Sample not preserved, corrected upon receipt to a temperature of 4°C
- 2 F: Sample not preserved, corrected upon receipt with HNO₃ to pH <2
- 2 G: Sample not preserved, corrected upon receipt with HCL to pH <2
- 2 H: Sample not preserved, corrected upon receipt with H₂SO₄ to pH <2
- 2 I: Sample not preserved, corrected upon receipt with NaOH to pH >12
- 2 J: Sample not preserved, corrected upon receipt with Na₂S₂O₃

- 3 A: Minimum detection limit raised due to matrix interference
- 3 B: Minimum detection limit raised due to target compound interference
- 3 C: Minimum detection limit raised due to non-target compound interference
- 3 D: Minimum detection limit raised due to insufficient sample volume

- 4 A: Estimated concentration, exceeds calibration range
- 4 B: Data reported below the lower limit of quantitation and should be considered to have an increased quantitative uncertainty.
- 4 C: Target compound found in blank
- 4 D: QC affected by matrix
- 4 E: QC does not meet acceptance criteria
- 4 F: Spike recovery does not meet QC criteria due to high target concentration
- 4 G: Spike recovery out of range due to matrix interference
- 4 H: Spike recovery out of range due to matrix inconsistency
- 4 I: Dilution Water does not meet QC Criteria
- 4 J: Continuing Calibration Verification (CCV) quality control levels low
- 4 K: Continuing Calibration Verification (CCV) quality control levels high

- 5 A: Insufficient sample volume received
- 5 B: Preliminary results, cannot be used for regulatory purposes.
- 5 C: Sampling information not supplied and/or sample not taken by qualified technician, therefore verifiability of the report is limited to results only. Report cannot be used for regulatory purposes.
- 5 D: Unable to verify that the wipe samples submitted conform to ASTM E1792 or specifications issued by the EPA.
- 5 E: Level found exceeds the maximum contaminant level (MCL) as set by local, state or federal agencies.
- 5 F: Estimated value, result is less than the sample quantitation limit but greater than zero
- 5 G: Required detection limit set by ELAP cannot be achieved

- 6 A: Subcontractor ELAP #11368
- 6 B: Subcontractor ELAP #10320
- 6 C: Subcontractor NVLAP #102047.0
- 6 D: Subcontractor AIHA #103005
- 6 E: Subcontractor ELAP #11685
- 6 F: Subcontractor ELAP #10248
- 6 G: Subcontractor ELAP #10155
- 6 H: Subcontractor ELAP #10750
- 6 I: Subcontractor ELAP #11777
- 6 J: Subcontractor ELAP #10145
- 6 K: Subcontractor ELAP #11838



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Attachment #5
PID Data

Ambient

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000576
Data Points: 27 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/25/2009 09:38 End At: 06/25/2009 09:40

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0        100.0        100.0
Low Alarm Levels:     50.0         50.0         50.0
STEL Alarm Levels:    25.0         25.0         25.0
TWA Alarm Levels:     10.0         10.0         10.0
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
Peak Data Value:      -----      0.0          0.0
Min Data Value:        -----      0.0          0.0
TWA Data Value:         -----      0.0          0.0
AVG Data Value:         -----      0.0          0.0
=====
```

B-01:0'-2'

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000577

Data Points: 36

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/25/2009 09:54 End At: 06/25/2009 09:56

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	3.9	4.2
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	1.1	1.4

B-01:2'-4'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000578
Data Points: 7 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/25/2009 09:58 End At: 06/25/2009 09:58

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0      100.0      100.0
Low Alarm Levels:     50.0      50.0      50.0
STEL Alarm Levels:    25.0      25.0      25.0
TWA Alarm Levels:     10.0      10.0      10.0
=====
```

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
Peak Data Value:      -----      0.9      0.9
Min Data Value:       -----      0.1      0.2
TWA Data Value:       -----      0.0      0.0
AVG Data Value:       -----      0.6      0.7
=====
```

B.01: 4'-6'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000579
Data Points: 24 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/25/2009 09:59 End At: 06/25/2009 10:00

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:      100.0      100.0      100.0
Low Alarm Levels:       50.0      50.0      50.0
STEL Alarm Levels:      25.0      25.0      25.0
TWA Alarm Levels:       10.0      10.0      10.0
=====
```

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
Peak Data Value:      -----      21.1      21.9
Min Data Value:        -----      0.0      0.1
TWA Data Value:         -----      0.0      0.1
AVG Data Value:         -----      11.8      12.6
=====
```

B.01:6'-8'

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000580

Data Points: 12

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/25/2009 10:01 End At: 06/25/2009 10:01

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	11.8	11.9
Min Data Value:	-----	0.2	0.3
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	7.9	8.4

B-01: 8'-10'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000581
Data Points: 29 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/25/2009 10:02 End At: 06/25/2009 10:04

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0        100.0        100.0
Low Alarm Levels:     50.0         50.0         50.0
STEL Alarm Levels:    25.0         25.0         25.0
TWA Alarm Levels:     10.0         10.0         10.0
=====
```

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
Peak Data Value:      -----      57.7         58.6
Min Data Value:        -----      0.0          0.0
TWA Data Value:         -----      0.1          0.1
AVG Data Value:         -----      20.8         22.6
=====
```

B.d: 10'-12'

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000582

Data Points: 77

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/25/2009 10:05 End At: 06/25/2009 10:11

```
=====
Measurement Type:           Min(ppm)           Avg(ppm)           Max(ppm)
High Alarm Levels:          100.0             100.0             100.0
Low Alarm Levels:           50.0              50.0              50.0
STEL Alarm Levels:          25.0              25.0              25.0
TWA Alarm Levels:           10.0              10.0              10.0
=====
Measurement Type:           Min(ppm)           Avg(ppm)           Max(ppm)
Peak Data Value:            -----            257.6             269.1
Min Data Value:             -----              0.0              0.1
TWA Data Value:             -----              0.5              0.5
AVG Data Value:             -----            36.2             38.3
=====
```

B-02: 0'-2'

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000583

Data Points: 30

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/25/2009 10:18 End At: 06/25/2009 10:20

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0      100.0      100.0
Low Alarm Levels:     50.0      50.0      50.0
STEL Alarm Levels:    25.0      25.0      25.0
TWA Alarm Levels:     10.0      10.0      10.0
=====
```

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
Peak Data Value:      -----      1.4      1.5
Min Data Value:        -----      0.0      0.0
TWA Data Value:        -----      0.0      0.0
AVG Data Value:        -----      0.6      0.7
=====
```

B-02:2'-4'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000584
Data Points: 25 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/25/2009 10:21 End At: 06/25/2009 10:23

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	7.1	7.7
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	3.5	3.9

B-02:4'-6'

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000585

Data Points: 25

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/25/2009 10:25 End At: 06/25/2009 10:27

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0      100.0      100.0
Low Alarm Levels:     50.0      50.0      50.0
STEL Alarm Levels:    25.0      25.0      25.0
TWA Alarm Levels:     10.0      10.0      10.0
=====
```

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
Peak Data Value:      -----      16.1      16.8
Min Data Value:        -----      0.0      0.0
TWA Data Value:         -----      0.0      0.0
AVG Data Value:         -----      4.6      5.6
=====
```

B-02:6'-8'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000586
Data Points: 14 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/25/2009 10:28 End At: 06/25/2009 10:29

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	34.0	34.4
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	15.7	17.7

B.02: 8'-10'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000587
Data Points: 81 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/25/2009 10:34 End At: 06/25/2009 10:40

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	260.8	261.6
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.6	0.6
AVG Data Value:	-----	43.2	45.6

B-02 : 10'-12'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000588
Data Points: 136 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/25/2009 10:41 End At: 06/25/2009 10:52

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	273.6	274.4
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	1.0	1.0
AVG Data Value:	-----	41.5	43.2

8-03:01-21

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000589

Data Points: 45

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/25/2009 10:55 End At: 06/25/2009 10:58

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	28.1	28.6
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.1	0.1
AVG Data Value:	-----	12.0	12.8

B-03:2'-4'

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000590

Data Points: 41

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/25/2009 10:59 End At: 06/25/2009 11:02

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	38.0	41.9
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.1	0.1
AVG Data Value:	-----	16.1	17.7

B.03:4'-6'

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000591

Data Points: 52

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/25/2009 11:03 End At: 06/25/2009 11:07

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	33.3	33.7
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.2	0.2
AVG Data Value:	-----	18.5	19.3

B-03:6'-8'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000592
Data Points: 39 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/25/2009 11:09 End At: 06/25/2009 11:12

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	9.4	12.3
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	4.4	5.0

Q-03: 8'-10'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000593
Data Points: 41 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/25/2009 11:13 End At: 06/25/2009 11:16

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	12.3	12.5
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	5.5	5.9

B-53: 10'.12'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000594
Data Points: 20 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/25/2009 11:17 End At: 06/25/2009 11:18

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	5.0	6.2
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	1.6	2.0

B.04: 0'-2'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000595
Data Points: 16 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/25/2009 11:28 End At: 06/25/2009 11:29

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0        100.0        100.0
Low Alarm Levels:     50.0         50.0         50.0
STEL Alarm Levels:    25.0         25.0         25.0
TWA Alarm Levels:     10.0         10.0         10.0
=====
```

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
Peak Data Value:      -----      0.2          0.3
Min Data Value:        -----      0.0          0.0
TWA Data Value:         -----      0.0          0.0
AVG Data Value:         -----      0.0          0.0
=====
```

B-04:0'-4'

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000596

Data Points: 23

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/25/2009 11:30 End At: 06/25/2009 11:31

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	1.3	1.4
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.9	1.0

B-05:01-2

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000597
Data Points: 47 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/25/2009 11:53 End At: 06/25/2009 11:56

```
=====
Measurement Type:           Min(ppm)           Avg(ppm)           Max(ppm)
High Alarm Levels:         100.0             100.0             100.0
Low Alarm Levels:          50.0              50.0              50.0
STEL Alarm Levels:         25.0              25.0              25.0
TWA Alarm Levels:          10.0              10.0              10.0
=====
```

```
=====
Measurement Type:           Min(ppm)           Avg(ppm)           Max(ppm)
Peak Data Value:           -----            0.1              0.2
Min Data Value:             -----            0.0              0.0
TWA Data Value:             -----            0.0              0.0
AVG Data Value:             -----            0.0              0.0
=====
```

B-05:2'4'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000598
Data Points: 13 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/25/2009 11:57 End At: 06/25/2009 11:58

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	1.2	1.3
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.6	0.7

B-06: 0'-2'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000599
Data Points: 7 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/25/2009 12:01 End At: 06/25/2009 12:01

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	0.0	0.0
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.0	0.0

B-06:0'-4'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000600
Data Points: 14 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/25/2009 12:02 End At: 06/25/2009 12:03

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0        100.0        100.0
Low Alarm Levels:     50.0         50.0         50.0
STEL Alarm Levels:    25.0         25.0         25.0
TWA Alarm Levels:     10.0         10.0         10.0
=====
```

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
Peak Data Value:      -----      0.0          0.0
Min Data Value:        -----      0.0          0.0
TWA Data Value:         -----      0.0          0.0
AVG Data Value:         -----      0.0          0.0
=====
```

B-06:4'-6'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000601
Data Points: 16 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/25/2009 12:05 End At: 06/25/2009 12:06

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	0.0	0.0
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.0	0.0

B-66:6'-8'

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000602

Data Points: 12

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/25/2009 12:07 End At: 06/25/2009 12:07

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0      100.0      100.0
Low Alarm Levels:     50.0      50.0      50.0
STEL Alarm Levels:    25.0      25.0      25.0
TWA Alarm Levels:     10.0      10.0      10.0
=====
```

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
Peak Data Value:      -----      0.0      0.0
Min Data Value:        -----      0.0      0.0
TWA Data Value:         -----      0.0      0.0
AVG Data Value:         -----      0.0      0.0
=====
```

B.06: 8'-10'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000603
Data Points: 16 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/25/2009 12:11 End At: 06/25/2009 12:12

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0        100.0        100.0
Low Alarm Levels:     50.0         50.0         50.0
STEL Alarm Levels:    25.0         25.0         25.0
TWA Alarm Levels:     10.0         10.0         10.0
=====
```

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
Peak Data Value:      -----      0.0          0.0
Min Data Value:        -----      0.0          0.0
TWA Data Value:         -----      0.0          0.0
AVG Data Value:         -----      0.0          0.0
=====
```

B-06:10'-12'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000604
Data Points: 112 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/25/2009 12:13 End At: 06/25/2009 12:22

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	293.1	295.1
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.9	1.0
AVG Data Value:	-----	47.5	49.9

B-07:01.2'

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000605

Data Points: 16

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/25/2009 12:49 End At: 06/25/2009 12:50

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	0.7	0.9
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.4	0.5

8.67:2'4'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000606
Data Points: 28 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/25/2009 12:51 End At: 06/25/2009 12:53

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	0.9	0.9
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.3	0.4

B-07:4'-6'

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000607

Data Points: 10

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/25/2009 12:54 End At: 06/25/2009 12:54

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0      100.0      100.0
Low Alarm Levels:     50.0      50.0      50.0
STEL Alarm Levels:    25.0      25.0      25.0
TWA Alarm Levels:     10.0      10.0      10.0
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
Peak Data Value:      -----      0.4      0.6
Min Data Value:        -----      0.0      0.0
TWA Data Value:         -----      0.0      0.0
AVG Data Value:         -----      0.2      0.3
=====
```

B-07:6'-9'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000608
Data Points: 15 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/25/2009 12:55 End At: 06/25/2009 12:56

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0        100.0        100.0
Low Alarm Levels:     50.0         50.0         50.0
STEL Alarm Levels:    25.0         25.0         25.0
TWA Alarm Levels:     10.0         10.0         10.0
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
Peak Data Value:      -----      1.3          1.4
Min Data Value:       -----      0.0          0.0
TWA Data Value:        -----      0.0          0.0
AVG Data Value:        -----      0.6          0.7
=====
```

8.07: 8'-10'

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000609

Data Points: 75

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/25/2009 12:58 End At: 06/25/2009 13:04

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	164.5	165.4
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.5	0.6
AVG Data Value:	-----	40.8	43.1

8-07 '10'-12'

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000610

Data Points: 167

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/25/2009 13:05 End At: 06/25/2009 13:18

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	277.3	285.4
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.8	0.8
AVG Data Value:	-----	26.5	27.8

B-0810'-2'

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000611

Data Points: 24

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/25/2009 13:43 End At: 06/25/2009 13:44

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	0.8	1.0
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.5	0.5

B-08:2'-4'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000612
Data Points: 13 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/25/2009 13:45 End At: 06/25/2009 13:46

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	0.5	0.6
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.4	0.5

B-08: 4'6'

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000613

Data Points: 13

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/25/2009 13:47 End At: 06/25/2009 13:48

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0      100.0      100.0
Low Alarm Levels:     50.0      50.0      50.0
STEL Alarm Levels:    25.0      25.0      25.0
TWA Alarm Levels:     10.0      10.0      10.0
=====
```

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
Peak Data Value:      -----      0.0      0.1
Min Data Value:        -----      0.0      0.0
TWA Data Value:         -----      0.0      0.0
AVG Data Value:         -----      0.0      0.0
=====
```

B-09:6'-8'

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000614

Data Points: 18

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/25/2009 13:49 End At: 06/25/2009 13:50

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	0.0	0.0
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.0	0.0

B-08: 8'-10'

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000615

Data Points: 16

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/25/2009 13:51 End At: 06/25/2009 13:52

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	0.0	0.0
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.0	0.0

B-08 = 10'-12'

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000616

Data Points: 20

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/25/2009 13:53 End At: 06/25/2009 13:54

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	0.0	0.0
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.0	0.0

Ambient

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000617

Data Points: 8

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/25/2009 14:16 End At: 06/25/2009 14:16

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	0.2	0.3
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.0	0.1

Ambirnt

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000618

Data Points: 14

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/25/2009 14:17 End At: 06/25/2009 14:18

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	0.0	0.0
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.0	0.0

Ambient:

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000619

Data Points: 18

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/26/2009 15:40 End At: 06/26/2009 15:41

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	0.0	0.0
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.0	0.0

B-09: 01-21

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000620

Data Points: 18

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/26/2009 15:51 End At: 06/26/2009 15:52

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	0.0	0.0
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.0	0.0

B-09: 2'-4'

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000621

Data Points: 27

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/26/2009 15:53 End At: 06/26/2009 15:55

Measurement Type:	Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min (ppm)	Avg (ppm)	Max (ppm)
Peak Data Value:	-----	0.0	0.1
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.0	0.0

B-09:4'-C'

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000622

Data Points: 16

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/26/2009 15:56 End At: 06/26/2009 15:57

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	0.0	0.1
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.0	0.0

B-09: 6'-8'

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000623

Data Points: 22

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/26/2009 15:58 End At: 06/26/2009 15:59

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	0.0	0.0
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.0	0.0

B-04:8'-10'

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000624

Data Points: 26

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/26/2009 16:02 End At: 06/26/2009 16:04

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	6.9	7.7
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	4.9	5.2

8-09:10'.12'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000625
Data Points: 136 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/26/2009 16:04 End At: 06/26/2009 16:15

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0        100.0        100.0
Low Alarm Levels:     50.0         50.0         50.0
STEL Alarm Levels:    25.0         25.0         25.0
TWA Alarm Levels:     10.0         10.0         10.0
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
Peak Data Value:      -----      263.6        265.6
Min Data Value:        -----      0.0          0.0
TWA Data Value:        -----      0.5          0.6
AVG Data Value:        -----      22.7         24.6
=====
```

B-10:0'-2'

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000626

Data Points: 19

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/26/2009 16:16 End At: 06/26/2009 16:17

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	0.1	0.1
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.0	0.1

B-10:2-4'

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000627

Data Points: 18

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/26/2009 16:18 End At: 06/26/2009 16:19

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0      100.0      100.0
Low Alarm Levels:     50.0      50.0      50.0
STEL Alarm Levels:    25.0      25.0      25.0
TWA Alarm Levels:     10.0      10.0      10.0
=====
```

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
Peak Data Value:      -----      0.0      0.1
Min Data Value:        -----      0.0      0.0
TWA Data Value:         -----      0.0      0.0
AVG Data Value:         -----      0.0      0.0
=====
```

8-10:4'-6'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000628
Data Points: 30 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/26/2009 16:20 End At: 06/26/2009 16:22

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	0.2	0.2
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.1	0.1

B-10: 6'-8'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000629
Data Points: 22 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/26/2009 16:23 End At: 06/26/2009 16:24

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0          100.0          100.0
Low Alarm Levels:     50.0           50.0           50.0
STEL Alarm Levels:    25.0           25.0           25.0
TWA Alarm Levels:     10.0           10.0           10.0
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
Peak Data Value:      -----      0.0           0.0
Min Data Value:       -----      0.0           0.0
TWA Data Value:       -----      0.0           0.0
AVG Data Value:       -----      0.0           0.0
=====
```

B-10: 8'-10'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000630
Data Points: 21 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/26/2009 16:25 End At: 06/26/2009 16:26

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	0.0	0.0
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.0	0.0

B-10:10'-12'

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 006806
User ID: JCBRODER Site ID: 00000631
Data Points: 19 Gas Name: Isobutylene Sample Period: 5 sec
Last Calibration Time: 03/20/2009 14:37
Start At: 06/26/2009 16:28 End At: 06/26/2009 16:29

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	0.0	0.0
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.0	0.0

Ambient

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 006806

User ID: JCBRODER

Site ID: 00000632

Data Points: 13

Gas Name: Isobutylene

Sample Period: 5 sec

Last Calibration Time: 03/20/2009 14:37

Start At: 06/26/2009 16:30 End At: 06/26/2009 16:31

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	0.0	0.0
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.0	0.0