

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

01/02/2007

Laboratory Identifier: 0612384

Received: 12/18/2006 16:17

Client: Blue Water

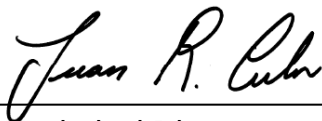
1610 New Highway
Farmingdale,
NY 11735

Project: Island Park Pilot Study

7 Washington Ave
Island Park,
NY 11558

Manager: Greg Ernst (Gannett)

Respectfully submitted,



Technical Director

NYS Lab ID # 10969
NJ Cert. # 73812
CT Cert. # PH0645
MA Cert. # NY061
PA Cert. # 68-535
NH Cert. # 252592-BA
RI Cert. # 161

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Environmental Testing Laboratories, Inc.

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01/02/2007

STARS Volatile Compounds by SW 846 8260

Sample: 0612384-1

Client Sample ID: OTC-9-121806

Matrix: Soil

Type: Composite

Collected: 12/18/2006 15:00

% Solid: 90%

Remarks: See Case Narrative

Analyzed Date: 12/20/2006

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
1634-04-4	MTBE	B 2241-7239	2.78	2.78	ug/Kg	U
71-43-2	Benzene	B 2241-7239	2.78	2.78	ug/Kg	U
108-88-3	Toluene	B 2241-7239	2.11	2.11	ug/Kg	U
100-41-4	Ethylbenzene	B 2241-7239	2.39	2.39	ug/Kg	U
108-38-3	m,p-xylene	B 2241-7239	5.56	5.56	ug/Kg	U
95-47-6	o-xylene	B 2241-7239	4.17	4.17	ug/Kg	U
1330-20-7	Xylenes(Total)	B 2241-7239	4.89	4.89	ug/Kg	U
98-82-8	Isopropylbenzene	B 2241-7239	3.50	3.50	ug/Kg	U
103-65-1	n-Propylbenzene	B 2241-7239	4.00	4.00	ug/Kg	U
108-67-8	1,3,5-Trimethylbenzene	B 2241-7239	4.56	68.2	ug/Kg	
98-06-6	tert-Butylbenzene	B 2241-7239	5.34	7.74	ug/Kg	Y
95-63-6	1,2,4-Trimethylbenzene	B 2241-7239	5.23	5.23	ug/Kg	U
135-98-8	sec-Butylbenzene	B 2241-7239	4.61	4.61	ug/Kg	U
99-87-6	p-Isopropyltoluene	B 2241-7239	4.39	21.3	ug/Kg	Y
104-51-8	n-Butylbenzene	B 2241-7239	4.95	4.95	ug/Kg	U
91-20-3	Naphthalene	B 2241-7239	6.78	6.78	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B2241-7239	91.8 %	(80 - 110)	
4774-33-8	DIBROMOFLUOROMETHANE	B2241-7239	98.2 %	(68 - 156)	
2037-26-5	TOLUENE-D8	B2241-7239	94.4 %	(89 - 113)	



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STARS Semivolatiles by SW846 8270C

Sample: 0612384-1

Client Sample ID: OTC-9-121806

Matrix: Soil

Type: Composite

Collected: 12/18/2006 15:00

% Solid: 90%

Remarks:

Analyzed Date: 12/20/2006

Preparation Date(s) : 12/20/2006

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
91-20-3	Naphthalene	C1732-2333	37.7	37.7	ug/Kg	U
83-32-9	Acenaphthene	C1732-2333	28.9	28.9	ug/Kg	U
86-73-7	Fluorene	C1732-2333	24.4	505	ug/Kg	Y
85-01-8	Phenanthrene	C1732-2333	30.0	811	ug/Kg	
120-12-7	Anthracene	C1732-2333	26.6	246	ug/Kg	Y
206-44-0	Fluoranthene	C1732-2333	22.2	438	ug/Kg	Y
129-00-0	Pyrene	C1732-2333	22.2	486	ug/Kg	Y
56-55-3	Benzo(a)anthracene	C1732-2333	15.5	123	ug/Kg	Y
218-01-9	Chrysene	C1732-2333	24.4	194	ug/Kg	Y
205-99-2	Benzo(b)fluoranthene	C1732-2333	14.4	130	ug/Kg	Y
207-08-9	Benzo(k)fluoranthene	C1732-2333	48.8	130	ug/Kg	Y
50-32-8	Benzo(a)pyrene	C1732-2333	21.1	122	ug/Kg	Y
193-39-5	Indeno(1,2,3-cd)pyrene	C1732-2333	23.3	64.7	ug/Kg	Y
53-70-3	Dibenzo(a,h)anthracene	C1732-2333	18.9	18.9	ug/Kg	U
191-24-2	Benzo(g,h,i)perylene	C1732-2333	18.9	69.8	ug/Kg	Y
208-96-8	Acenaphthylene	C1732-2333	26.6	26.6	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
321-60-8	2-FLUOROBIPHENYL	C1732-2333	54.6 %	(30 - 115)	
4165-60-0	NITROBENZENE-D5	C1732-2333	52.1 %	(23 - 120)	
1718-51-0	TERPHENYL-D14	C1732-2333	62.1 %	(18 - 137)	



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TPH - Method 8015B

Sample: 0612384-1

Client Sample ID: OTC-9-121806

Matrix: Soil

Type: Composite

Collected: 12/18/2006 15:00

% Solid: 90%

Remarks:

Analyzed Date: 12/20/2006

Preparation Date(s) : 12/20/2006

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
	Diesel Range Organics	H 524 -12	13.3	5190	mg/Kg	

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	H524-12	44.8 %	(30 - 150)	



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Gasoline Range Organics - EPA 8015B

Sample: 0612384-1

Client Sample ID: OTC-9-121806

Matrix: Soil

Type: Composite

Collected: 12/18/2006 15:00

% Solid: 90%

Remarks:

Analyzed Date: 12/19/2006

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
	Gasoline Range Organics	M 243 -13	0.48	21.5	mg/Kg	

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01/02/2007

Acidity - EPA 305.1

Sample: 0612384-1

Client Sample ID: OTC-9-121806

Matrix: Soil

Remarks:

Analyzed Date: 12/19/2006

Type: Composite

Collected: 12/18/2006 15:00

% Solid: 90%

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Acidity	1.00	1220	mg/Kg	

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Case Narrative

EPA 8260 VOLATILE ANALYSIS:

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:

- Acetone
- 2-Butanone
- 4-Methyl-2-pentanone
- 2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and 300 ppb levels.

Acrolein/Acrylonitrile were calibrated at 50,100,150,200 and 250 ppb levels.

Tert Butyl Alcohol (TBA) was calibrated at 50,200,500,1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.



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Case Narrative

WET LAB



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ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

- U - The analytical result is not detected above the Method Detection Limit (MDL).
All MDL's are lower than the lowest calibration standard concentration.
- J - Indicates an estimated value. The concentration reported was detected below the Method Detection Limit (MDL).
- Y - The concentration reported was detected below the lowest calibration standard concentration.
- B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
- E - The concentration of the analyte exceeded the calibration range of the instrument.
- D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

- B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
- U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

- E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

- A - Flame AA
- AS - Semi-automated Spectrophotometric
- AV - Automated Cold Vapor AA
- C - Manual Spectrophotometric
- F - Furnace AA
- P - ICP
- T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

