

WASTE STREAM TECHNOLOGY, INC.

302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report

Report Date: 10/02/08
Work Order Number: 8I26008

Prepared For

Jeff Shirley

Sevenson Environmental Services

2749 Lockport Road

Niagara Falls, NY 14302

Fax: (716) 285-4201

Site: Niagara Falls Air Base

Enclosed are the results of analyses for samples received by the laboratory on 09/26/08. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Daniel W. Vollmer, Laboratory QA/QC Officer

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS

NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757 CTDPH #PH-0306 MADEP #M-NY068



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2749 Lockport Road
Niagara Falls NY, 14302

Project: Niagara Falls
Project Number: Niagara Falls Air Base
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Reported:
10/02/08 16:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Outfall Culvert	8I26008-01	Soil	09/26/08 08:30	09/26/08 11:35

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TCLP Metals by 6000/7000 Series Methods
Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Outfall Culvert (8I26008-01) Soil Sampled: 09/26/08 08:30 Received: 09/26/08 11:35									
Mercury	ND	0.001	mg/L	1	AI83009	09/30/08	09/30/08	EPA 7470A	U
Silver	ND	0.025	"	5	AI83008	09/30/08	09/30/08	6010B	U
Arsenic	ND	0.045	"	"	"	"	"	"	U
Barium	0.846	0.025	"	"	"	"	"	"	B
Cadmium	ND	0.025	"	"	"	"	"	"	U
Chromium	ND	0.025	"	"	"	"	"	"	U
Lead	ND	0.075	"	"	"	"	"	"	U
Selenium	ND	0.095	"	"	"	"	"	"	U

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Polychlorinated Biphenyls by EPA Method 8082
Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Outfall Culvert (8I26008-01RE1) Soil Sampled: 09/26/08 08:30 Received: 09/26/08 11:35									
Aroclor 1016	ND	9170	ug/kg dry	200	AI83011	09/30/08	10/01/08	8082	U
Aroclor 1221	ND	9170	"	"	"	"	"	"	U
Aroclor 1232	ND	9170	"	"	"	"	"	"	U
Aroclor 1242	ND	9170	"	"	"	"	"	"	U
Aroclor 1248	ND	9170	"	"	"	"	"	"	U
Aroclor 1254	148000	9170	"	"	"	"	"	"	
Aroclor 1260	ND	9170	"	"	"	"	"	"	U
<i>Surrogate: Tetrachloro-meta-xylene</i>		%	<i>74-133</i>		"	"	"	"	<i>S-01, U</i>
<i>Surrogate: Decachlorobiphenyl</i>		%	<i>61-133</i>		"	"	"	"	<i>S-01, U</i>

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TCLP Volatile Organic Compounds by EPA Method 1311/8260B
Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Outfall Culvert (8I26008-01) Soil Sampled: 09/26/08 08:30 Received: 09/26/08 11:35									
vinyl chloride	ND	10	ug/l	1	AJ80107	10/01/08	10/01/08	8260-TCLP	U
1,1-dichloroethene	ND	10	"	"	"	"	"	"	U
2-butanone	ND	100	"	"	"	"	"	"	U
chloroform	ND	10	"	"	"	"	"	"	U
carbon tetrachloride	ND	10	"	"	"	"	"	"	U
benzene	ND	10	"	"	"	"	"	"	U
1,2-dichloroethane	ND	10	"	"	"	"	"	"	U
trichloroethene	ND	10	"	"	"	"	"	"	U
tetrachloroethene	ND	10	"	"	"	"	"	"	U
chlorobenzene	ND	10	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	10	"	"	"	"	"	"	U
<i>Surrogate: Dibromofluoromethane</i>		97.2 %	76-106		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.3 %	87-117		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.4 %	85-106		"	"	"	"	
<i>Surrogate: Bromofluorobenzene</i>		97.4 %	87-118		"	"	"	"	

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TCLP Pesticides by EPA Method 1311/8081A

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Outfall Culvert (8I26008-01) Soil Sampled: 09/26/08 08:30 Received: 09/26/08 11:35									
Gamma-BHC (Lindane)	ND	0.040	ug/l	1	AI83006	09/30/08	09/30/08	EPA 8081A	U
Heptachlor	ND	0.040	"	"	"	"	"	"	U
Heptachlor Epoxide	ND	0.040	"	"	"	"	"	"	U
Endrin	ND	0.040	"	"	"	"	"	"	U
Methoxychlor	ND	0.040	"	"	"	"	"	"	U
Chlordane	ND	0.800	"	"	"	"	"	"	U
Toxaphene	ND	0.040	"	"	"	"	"	"	U
Surrogate: Tetrachloro-meta-xylene		96.5 %	54-131		"	"	"	"	
Surrogate: Decachlorobiphenyl		87.4 %	55-133		"	"	"	"	

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TCLP Herbicides by EPA Method 1311/8151A
Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Outfall Culvert (8I26008-01) Soil Sampled: 09/26/08 08:30 Received: 09/26/08 11:35									
2,4-D	ND	20.0	ug/l	50	AI83005	09/30/08	10/01/08	8151	U
2,4,5-TP (Silvex)	ND	20.0	"	"	"	"	"	"	U
<i>Surrogate: 2,4-DCPAA</i>		87.5 %	<i>13-136</i>		"	"	"	"	

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TCLP Semivolatile Organic Compounds by EPA Method 1311/8270C
Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Outfall Culvert (8I26008-01RE1) Soil Sampled: 09/26/08 08:30 Received: 09/26/08 11:35									
pyridine	ND	8	ug/l	1	AJ80114	10/01/08	10/01/08	8270C-TCLP	U
1,4-dichlorobenzene	ND	8	"	"	"	"	"	"	U
Total cresols (o,m & p)	ND	24	"	"	"	"	"	"	U
hexachloroethane	ND	8	"	"	"	"	"	"	U
nitrobenzene	ND	8	"	"	"	"	"	"	U
hexachlorobutadiene	ND	8	"	"	"	"	"	"	U
2,4,6-trichlorophenol	ND	16	"	"	"	"	"	"	U
2,4,5-trichlorophenol	ND	8	"	"	"	"	"	"	U
2,4-dinitrotoluene	ND	8	"	"	"	"	"	"	U
hexachlorobenzene	ND	8	"	"	"	"	"	"	U
pentachlorophenol	ND	16	"	"	"	"	"	"	U
<i>Surrogate: 2-Fluorophenol</i>		37.0 %	14-66		"	"	"	"	
<i>Surrogate: Phenol-d6</i>		26.3 %	7-43		"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		75.3 %	46-103		"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		73.7 %	50-105		"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		71.9 %	44-120		"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		87.0 %	57-107		"	"	"	"	

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Conventional Chemistry Parameters by EPA Methods
Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Outfall Culvert (8I26008-01) Soil Sampled: 09/26/08 08:30 Received: 09/26/08 11:35									
pH	7.50	0.10	pH Units	1	AJ80110	10/01/08	10/01/08	EPA 9045C	
% Solids	63.8	0.1	%	"	AJ80209	10/02/08	10/02/08	% calculation	

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Physical Parameters by APHA/ASTM/EPA Methods
Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Outfall Culvert (8I26008-01) Soil Sampled: 09/26/08 08:30 Received: 09/26/08 11:35									
Ignitability by Flashpoint	>200		deg F	1	AI82614	09/26/08	09/26/08	EPA 1010	
Reactive Cyanide	ND	40.0	mg/kg	"	AI82916	09/29/08	10/02/08	Section 7.3.3.2	U
Reactive Sulfide	ND	40.0	"	"	AI82915	09/29/08	10/02/08	Section 7.3.4.2	U

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Notes and Definitions

U	Analyte included in the analysis, but not detected
S-01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interferences.
B	Analyte is found in the associated blank as well as in the sample (CLP B-flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CHAIN OF CUSTODY

REPORT TO:
Jeff Shurley
Niagara Falls

CONTACT: Jeff

PH: 716-284-0451

FAX: 716-285-4201

BILL TO:

PO#

PROJECT DESCRIPTION

Niagara Falls Air base

SAMPLER SIGNATURE

[Signature]

SAMPLE ID:

WASTE STREAM

TECHNOLOGY

Waste Stream Technology Inc.
 302 Grote Street, Buffalo, NY 14207
 (716) 876-5290 • FAX (716) 876-2412

OFFICE USE ONLY

GROUP #: 8I26008

DUE DATE

TURN AROUND TIME:

4 SD

QUOTATION NUMBER:

PAGE 1 OF 1

ARE SPECIAL DETECTION LIMITS
 REQUIRED:
 YES ☐ NO ☒
 If yes please attach requirements.

Is a QC Package required:
 YES ☐ NO ☒
 If yes please attach requirements

DW DRINKING WATER
 GW GROUND WATER
 SW SURFACE WATER
 WW WASTE WATER
 O OIL

SL SLUDGE
 SO SOIL
 S SOLID
 W WIPE
 OTHER

ANALYSES TO BE PERFORMED

DATE SAMPLED

TIME OF SAMPLING

SAMPLE TYPE

TOTAL NO. OF CONTAINERS

Full Tank +
Plus Chlor

Total PCB

TYPE OF CONTAINER/
 COMMENTS:

OFFICE USE
 ONLY
 WST. I.D.

1	Outfall Culvert	9/26/08	0830	SD	2	X	X											1x1L, 1x16oz, 1x8	-01
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

REMARKS:

RELINQUISHED BY:

[Signature]

RELINQUISHED BY:

[Signature]

DATE:

9/26/08

TIME:

1000

RECEIVED BY:

[Signature]

RECEIVED BY:

[Signature]

DATE:

9/26/08

TIME:

10:00

DATE:

9/26/08

TIME:

11:35