

January 12, 2004

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C915189

FOIL

Releasable

Non-Releasable -

Re: Limited and Focused Subsurface Soil and Groundwater Investigation
Niagara Mohawk Office Building
535 Washington Street (AKA 20 East Huron Street and 39 Genesee Street)
Buffalo, New York
LCS Project Number #03B1887.22

Dear Mr. Schlegel:

At your request, Lender Consulting Services, Inc. (LCS) performed a limited and focused subsurface soil and groundwater investigation at the above-referenced site (See Figure 1). This investigation was recommended based on the information summarized in LCS' Phase I Environmental Site Assessment report dated November 21, 2003. Through that study, LCS discovered the following issues warranting intrusive study.

- According to a previous study,¹ three underground storage tanks (USTs) were removed from the onsite parking lot. These tanks included one 540-gallon, one 2,000-gallon and one 10,000-gallon petroleum storage tanks. That study also included soil sampling proximate to the historic UST locations. According to that study, petroleum-related analytes were detected at elevated concentrations.
- Municipal records indicate that one fuel oil tank was installed in 1951; one 2,000-gallon tank was installed in 1972 and slushed in 1987; one 550-gallon tank was removed in 1993 and two tanks (one 4,000-gallon and one 500-gallon) were removed in 1994.
- According to the EDR report, two USTs (one 500-gallon kerosene tank and one 10,000-gallon fuel oil tank) were removed from 535 Washington Street in 1993 and 1994.

The purpose of this study was to better assess the environmental quality of the soils and groundwater in accessible locations of the parking lot associated with 535 Washington Street. Soil samples were collected for stratigraphic characterization and field monitoring; specifically on the potential impact by volatile and semi-volatile organic compounds (VOCs and S-VOCs, respectively). Temporary groundwater monitoring wells (TPMWs) were installed within select test borings. Select soil and groundwater samples were submitted for laboratory analysis. The soil and groundwater samples were selected in known historic UST locations; LCS could not confirm the location of all USTs historically associated with the subject property.

Due to the discovery of impacted soil and groundwater on-site, as required by law, the New York State Department of Environmental Conservation (NYSDEC) was notified and Spill Number 0311417 was assigned.

The following is a summary of the methods and results of the investigation.

¹ Phase II Environmental site assessment Report, Niagara Mohawk Electric Building and Oak Street Parking Lot, Buffalo, NY, dated September 2002, prepared by Geomatrix Consultants



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Methods of Investigation

Soil

Boreholes BH1 through BH11 were completed on December 18, 2003 at 535 Washington Street in accessible historic and suspect UST areas of the parking lot (See Figure 2). A truck-mounted percussion and hydraulically driven drive system was used to advance an approximate 1.5-inch diameter, approximate 48 inch long macro-core sampler into the soil for each of the boreholes. Soil samples were generally collected within each borehole continuously from the ground surface until the target depth of approximately 12 feet below the ground surface (ft. bgs) or until equipment refusal was encountered. Any downhole equipment was decontaminated with an Alconox and tap water wash and tap water rinse between boreholes. The cutting shoes were decontaminated in a similar manner between collection of each sample.

The physical characteristics of all soil samples were classified using the Unified Soil Classification System (USCS) (Visual-Manual Method) and placed in separate sealable containers to allow any vapors to accumulate in the headspace. After several minutes, the container was opened slightly and total VOC concentrations in air within the sample container were measured using a photoionization detector (PID) calibrated in accordance with manufacture's specifications. (The PID is designed to detect VOCs, such as those associated with petroleum.) The results of this screening are included in the attached boring logs. Based on the field observations and/or screening results, soils were selected for analysis (see below).

Groundwater

Temporary groundwater monitoring wells TPMW1 through TPMW4 were installed on December 18, 2003, within test borings BH3, BH4, BH5, and BH6, respectively (See Figure 2). Generally, the bottoms of the wells were set to between 10.5 and 12 ft. bgs. The wells consist of 1-inch diameter PVC screen and riser with a silica filter pack placed around the well screen. A bentonite seal was placed above the sand. The wells were covered with plastic caps, to prevent surface water from entering the wells. Refer to the attached subsurface logs for specific well construction information.

The groundwater samples were collected on December 19, and December 22, 2003. Prior to sample collection, each well was developed by removing three to five well volumes from the well or until the wells went dry. New disposable dedicated PVC bailers were used for well development and sample collection activities. TPMW2 did not yield sufficient water for laboratory analysis.



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Sample Analysis

Following labeling of the laboratory-supplied sample containers, six soil and three groundwater samples were selected for analysis and placed on ice. The samples were then submitted, under standard chain-of-custody, to a New York State Department of Health (NYSDOH) approved laboratory for analysis in accordance with United States Environmental Protection Agency (USEPA) SW-846 Methods 8260 [STARS list plus 10 Tentatively Identified Compounds, (TICs)] for VOCs and 8270 (STARS plus 10 TICs) for SVOCs.

The following table summarizes the specific analytical testing performed and their respective sample locations.

Sample Location	Analytical Testing Performed
Soil	
BH1 (4-6 ft. bgs)	8260 STARS List + 10 TICs / 8270 STARS List + 20 TICs
BH3 (4-8 ft. bgs)	8260 STARS List + 10 TICs / 8270 STARS List + 20 TICs
BH4 (4-6 ft. bgs)	8260 STARS List + 10 TICs / 8270 STARS List + 20 TICs
BH6 (8-10 ft. bgs)	8260 STARS List + 10 TICs / 8270 STARS List + 20 TICs
BH11 (8-10 ft. bgs)	8260 STARS List + 10 TICs / 8270 STARS List + 20 TICs
Groundwater	
TPMW 1	8260 STARS List / 8270 STARS List
TPMW 2	Insufficient Water for Analysis
TPMW 3	8260 STARS List / 8270 STARS List
TPMW 4	8260 STARS List / 8270 STARS List

Results of Field Investigation

Eleven boreholes (BH1 through BH11) were completed within the areas of concern (AOCs) at the subject property (See Figure 2). A total of 49 soil samples were collected for geologic description. Most of the boreholes generally encountered miscellaneous gravelly silty sand, sandy silt, silty sand and sandy gravel up to approximately 12 ft. bgs. The fill material was generally underlain by native soils consisting mostly of sandy clayey silt and silty sand. Equipment refusal was encountered within BH1, BH2, BH3, BH4, BH10, and BH11 between approximately 9 and 11 ft. bgs. The cause of the equipment refusal is not clear, but may have been underlying bedrock. Groundwater was encountered within boreholes BH1, BH3, BH6 through BH8, BH10 and BH11 between 9 and 10 ft. bgs.

PID measurements were above total ambient air background VOC measurements (i.e., 0.0 parts per million, ppm) in 43 of the 49 samples collected. These elevated concentrations ranged from 0.1 parts per million (ppm) to 58 ppm (BH11, 8-11 ft. bgs). Petroleum-type odors were noted within soil samples collected from BH6 (7.5-12 ft. bgs) and BH11 (6-11 ft. bgs). In LCS' experience, the PID measurements and apparent petroleum-type odors suggest some petroleum impact in select test locations.

Refer to the attached subsurface logs for soil classification for each sample interval, field observations and PID measurements.

Analytical Testing Results

The soil samples collected and analyzed detected the following analytes. The respective concentrations as well as applicable regulatory guidance values are also listed for comparison. Analytes not detected are not shown.



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Soil - VOC Analysis by 8260 (STARS list+10 TICs)

Compound	BH1 (4-6 ft. bgs) μg/kg	BH3 (4-8 ft. bgs) μg/kg	BH4 (4-6 ft. bgs) μg/kg	BH6 (8-10 ft. bgs) μg/kg	BH11 (8-10 ft. bgs) μg/kg	STARS Memo #1 Guidance Values μg/kg	TAGM Recommended Soil Cleanup Objectives µg/kg
o-xylene	<10	<10	<10	<10	12	100	1,200*
isopropylbenzene	<10	<10	<10	<10	11	100	2,300
n-propylbenzene	<10	<10	<10	<10	21	100	3,700
1,3,5-trimethylbenzene	<10	<10	<10	17	99	100	3,300
1,2,4-trimethylbenzene	<10	<10	<10	<10	194	100	10,000**
sec-butylbenzene	<10	<10	<10	<10	66	100	10,000**
n-butylbenzene	<10	<10	<10	10	149	100	10.000**
p-isopropyltoluene	<10	<10	<10	<10	68	100	10,000**
naphthalene	<10	11	<10	<10	30	200	13,000
TICs	0	0	16 J	1,114 J	6,400 J	NA	10,000**

μg/kg = micrograms per kilogram

NYSDEC Guidance Values = Division Technical and Administrative Guidance Memorandum No. 4046 (TAGM 4046):

Determination of Soil Cleanup Objectives and Cleanup levels and addendum (August, 2001).

* NYSDEC guidance value is the sum of m,p-xylene and o-xylene.

less than or equal to 10,000 µg/kg.

< = Analyte was not detected at the detection level indicated.

NA = Not Applicable

= Analyte detected at a concentration above NYSDEC STARS Memo #1 TCLP Alternative Guidance Values.

Soil - SVOC Analysis by 8270 (STARS list + 20 TICs)

Compound	BH1 (4-6 ft. bgs) μg/kg	ВН3 (4-8 ft. bgs) µg/kg	BH4 (4-6 ft. bgs) µg/kg	ВН6 (8-10 ft. bgs) µg/kg	ВН11 (8-10 ft. bgs) µg/kg	STARS Memo #1 Guidance Values μg/kg	TAGM Recommended Soil Cleanup Objectives µg/kg
phenanthrene	<67	- 7,810	<67	209	6,930	1;000	50,000***
anthracene	<67	1,860	<67	<67	1,780	1,000	50,000***
fluoranthene	<67	17,300	<67	156	14,300	1,000	50,000***
ругепе	<67	16,500	<67	236	13,900	1,000	50,000***
benzo(a)anthracene	<67	12,200	<67	129	9,760	0.04 or MDL (67)	224 or MDL (67)
chrysene	<67	11,100	<67	146	9,840	0.04 or MDL (67)	400
benzo[b]fluoranthene	<67	9,180	<67	208	8,400	0.04 or MDL (67)	220 or MDL (67)
benzo[k]fluoranthene	<67	10,600	<67	161:30	12,600	0.04 or MDL (67)	220 or MDL (67)
benzo[a]pyrene	<67	10,500	<67	166	10,300	0.04 or MDL (67)	61 or MDL (67)
indeno[1,2,3-cd]pyrene	<67	3,410	<67	<67	3,100	0.04 or MDL (67)	3,200
dibenzo[a,h]anthracene	<67	1,790	<67	<67	2,020	1,000	14.3 or MDL (67)
benzo[g,h,i]perylene	<67	2,890	<67	77	2,600	0.04 or MDL (67)	50,000***
TICs	432 J	12,050 J	3,109 J	10,226 J	68,570 J	NA NA	500,000***

µg/kg = micrograms per kilogram

NYSDEC Guidance Values = Division Technical and Administrative Guidance Memorandum No. 4046 (TAGM 4046):

Determination of Soil Cleanup Objectives and Cleanup levels and addendum (August, 2001).

*** As per TAGM 4046, individual non-carcinogenic SVOCs must be ≤ 50,000 μg/kg and total SVOCs not listed (tentatively identified compounds, TICs) must be ≤ 500,000 μg/kg.

J = Indicates an estimated value.

NA = Not Applicable

= Analyte detected at a concentration above NYSDEC STARS Memo #1 TCLP Alternative Guidance Values.

BOLD = Analyte detected above NYSDEC TAGM 4046-94 (Revised August 2001) Recommended Soil Cleanup Objectives.

LCS presented STARS and TAGM guidance cleanup values as, based on our conversations with the NYSDEC, while the TAGM values are typically used for remedial objectives, the STARS concentrations are to be used in assessing whether a release is reportable to the NYSDEC.

^{**} As per TAGM 4046 individual and sum of VOCs not listed (tentatively identified compounds (TICs))



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Groundwater - VOC Analysis by 8260 (STARS list)

Compound	TPMW1 (μg/L)	TPMW3 (μg/L)	TPMW4 (μg/L)	NYSDEC Groundwater Standard (μg/L)
toluene	<1	1	2	5
ethylbenzene	<1	<1	2	. 5
m,p-xylene	. <2	3	. 4	5
o-xylene	<1	2	5	5
Isopropylbenzene	<1	<1	2 -	5
n-propylbenzene	<1	<1	3	5
1,3,5-trimethylbenzene	<1	<1	16	. 5
1,2,4-trimethylbenzene	<1	<1	30.	5
sec-butylbenzene	<1	<1	4	5
p-isopropyltoluene	<1	<1	70 - 6.00 d.	5
n-butylbenzene	<1	<1	9-2-	5 ·
naphthalene	<1	<1	27 17 17 17	10

μg/L = micrograms per liter

NYSDEC Groundwater Standards = 6NYCRR Part 703, June 1998.

= Analyte detected at a concentration above NYSDEC Class GA Groundwater.

Groundwater - SVOC Analysis by 8270 (STARS list)

Compound	TPMW1 (μg/L)	TPMW3 (μg/L)	TP MW 4 (μg/L)	NYSDEC Groundwater Standard (µg/L)
fluorene	<2	<2	4	50
phenanthrene	<2	<2	7	50
acenaphthene	<2	<2	3	20
naphthalene	<2	<2	8	10

μg/L = micrograms per liter NYSDEC Groundwater Standards = 6NYCRR Part 703, June 1998.

= Analyte detected at a concentration above NYSDEC Class GA Groundwater.

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Conclusion

Based on the results of the investigation completed, impacted soils (based on field observations and/or analytical testing) and/or impacted groundwater (based on analytical testing) were discovered in a few locations on-site as summarized below.

Borehole or Monitoring Well	Petroleum- type odors	Analytical Testing Performed	Analytical Results above STARS Values	Analytical Results above TAGM Values	Analytical Results above GW Standards
BH3	None	8260 STARS List + 10 TICs / 8270 STARS List + 20 TICs	Yes	Yes	NA NA
BH6	7,5-12 ft. bgs	8260 STARS List + 10 TICs / 8270 STARS List + 20 TICs	Yes	Yes	NA NA
BH11	6-11 ft. bgs	8260 STARS List + 10 TICs / 8270 STARS List + 20 TICs	Yes	Yes	NA NA
TPMW4	None	8260 STARS List / 8270 STARS List	NA	NA	Yeş

NA = Not Applicable

Based on the location of the our observations, LCS suspects that these impacts were related to the historic USTs located on-site. While the data provides general information on the extent of impact, further study would be required to definitively assess the extent within the soil and groundwater on-site.

This report is subject to the limitations found in the appendix of this report.

Recommendations

Based on LCS' experience, remediation will likely be required. Remediation of the impacted soils can typically be addressed through excavation and proper disposal. Impacted groundwater encountered can also be addressed at that time through removal and proper disposal.

A copy of this report should be provided to the NYSDEC for their review. The NYSDEC will determine the extent of remediation required in order to obtain spill inactivation or closure. Prior to completion of additional investigation and/or remedial work on-site, the NYSDEC should be provided with a copy of the work plan such that any future work meets their requirements.

Thank you for allowing LCS to service your environmental needs. If you have any questions or require additional information, please do not hesitate to call our office.

Sincerely,

Douglas B. Reid

VP, Environmental Services

Environmental Scientist

Attachments

Reviewed by:

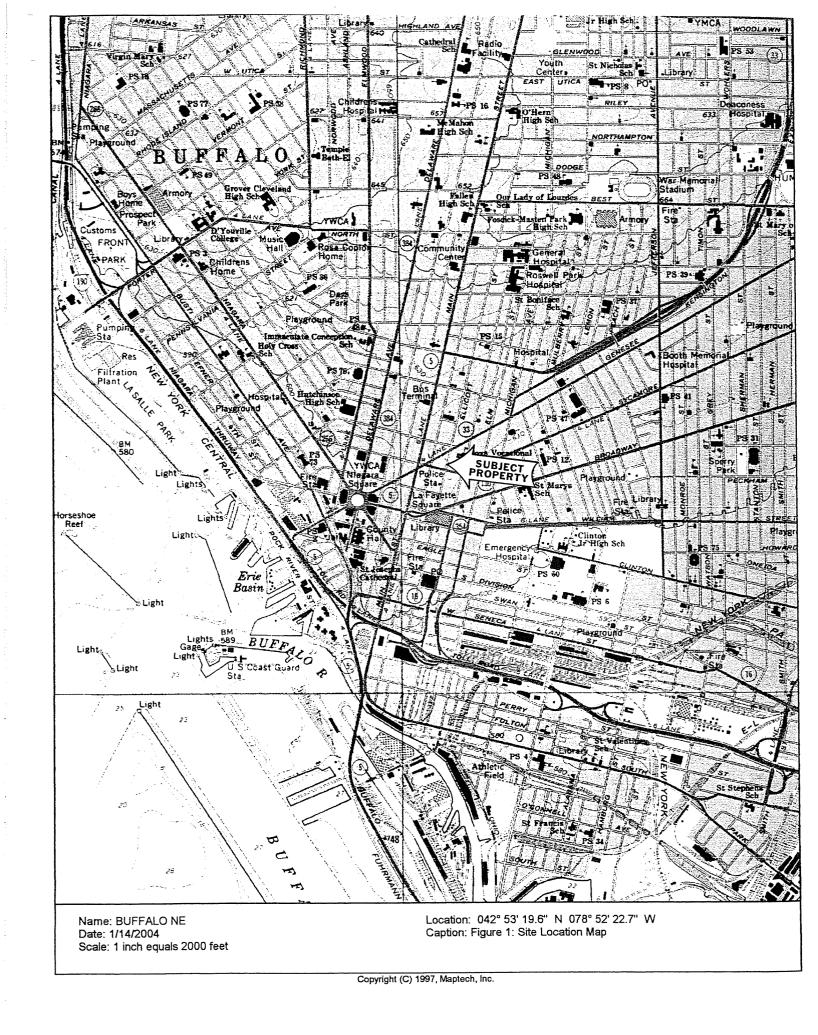
Robert J. Stustakowski Chief Operating Officer

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Hydrogeologist

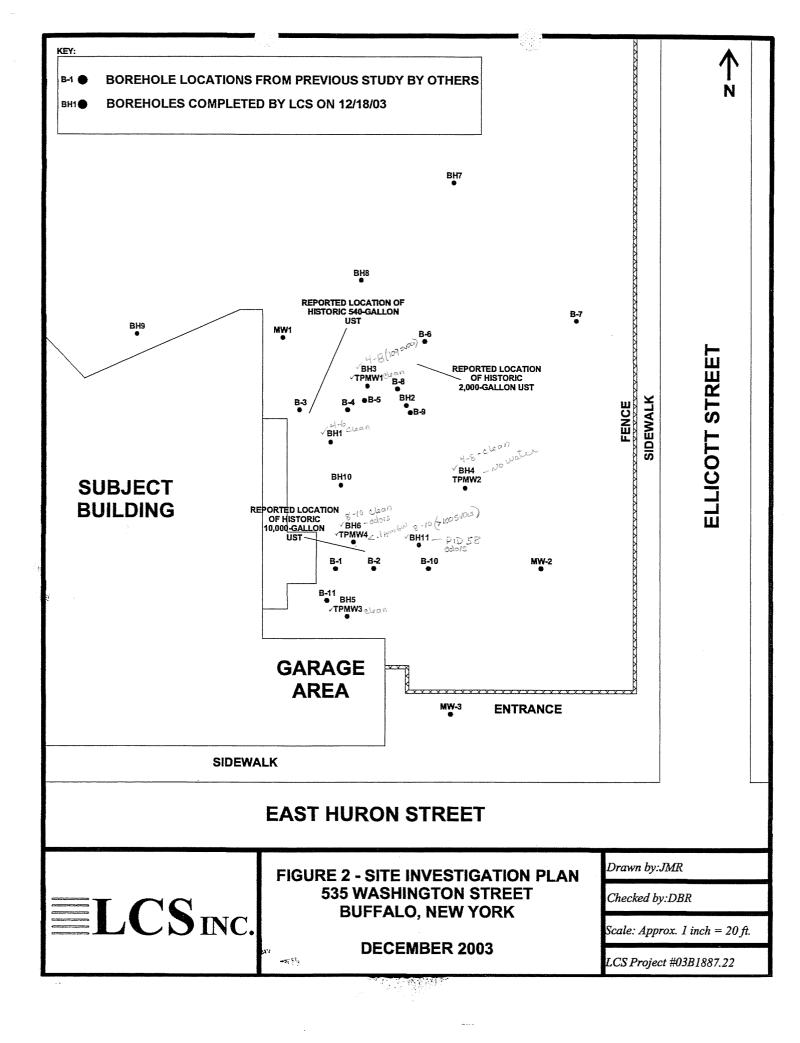


SITE LOCATION MAP





SUBSURFACE INVESTIGATION MAP





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PROJECT/ LOCATION: 535 Washington Street, Buffalo, New						Buffalo, New	York	PROJECT No).	03B1887.22	
CLIENT:	<u></u>		lska	lo Developmer	t Corpoi	ration		WELL/BORIN	IG No.	BH1	
DATE ST	ARTED:	12/1	18/03	DATE COM	IPLETE	D: <u> </u>	2/18/03	RECORDED	BY:	JMR	
GROUNE	WATER DI	EPTH WH	IILE DR	ILLING:	~9	ft. bgs	AFTER COM	IPLETION:		NA	
WEATHER: ~30F, Cloudy DRILL RIG: Geoprobe					eoprobe	DRILLER:		BMS D	rilling		
DRILL SI	ZE/TYPE:		Macro	o-core	SAME	PLE HAMMEI	R: WEIGHT	NA	FALL	NA	
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										9	
Sample No.	PID/HNu Reading	Depth (Feet)	Type *	Blows/6"	N	Recovery		Material Classif			
	(ppm)	, , ,				(Inches)	(Unified	Soil Classification	n System-Vis	ual Manual Method)	
1	1.4	0-4	U	-	-	15	0-0.6ft: Aspha	alt			
2	2.4	4-6	U	-	-	20	0.6-3ft: Brown	n gravelly silty sa	nd (coarse, n	nedium, fine, loose,	
							moist)				
3	1.0	6-8	U	+	-	20	3-4ft: Brown s	sandy silt (no plas	sticity, moist)		
4	1.8	8-9.5	U	_	-	12	4-8.5ft: Brown	n/gray clayey silt	(low plasticity	y, moist)	
							_				
							8.5-9.3ft: Bro	wn sandy clayey	silt (low plas	ticity, moist to wet)	
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	· · · · · · · · · · · · · · · · · · ·						Refusal @ ~9	.3 ft. bgs			
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	ft. bgs = fee	et below gro	ound surf	ace .			No odors detec	ted			
		*SS - S	SPLIT-SF	POON SAMPLE	U - U	NDISTURBED	TUBE P-P	PISTON TUBE	C - CORE		

- SECTION FOR THE SECTION OF THE SEC	LCS	Inc.
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WEATHE	WEATHER:~30F, Cloudy DRILL RIG:		G	eoprobe	DRILLER:		BMS D	rilling		
DRILL SI	ZE/TYPE:		Macro	o-core	_ SAMF	PLE HAMMEI	R: WEIGHT	NA	_ FALL _	NA NA
Sample	PID/HNu	Depth	Туре	Blows/6"	N	Recovery		Material Classif	fication and D	escription escription
No.	Reading (ppm)	(Feet)				(Inches)	(Unified S	Soil Classification	n System-Vis	ual Manual Method)
1	2.0	0-4	U	-	-	15	0-0.6ft: Asphal	it		
2	4.4	4-6	U	-	-	20	0.6-3.8ft: Gray	sandy gravel (c	oarse, angul	ar to sub-angular, loose,
							moist)			And the second s
3	2.5	6-8	U	-	-	20	3.8-4ft: Gray sa	andy silt (no plas	sticity, moist)	
4	1.0	8-10.5	U	-		15	4-6ft: Brown si	ilty sand (fine, lo	ose moist)	
								(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
							6-9ft: Gray cla	yey silt (low plas	sticity, moist)	
	-						9-10.5ft: Brow	n silty sand (me	dium, fine, lo	ose, moist)
							Refusal @ 10.5	5 ft. bgs		
						:				
										100
NOTES	NA = Not A						Fill to ~6 ft. bgs			
	ft. bgs = fee	t below gro	und surfa	ace 			No odors detecte	ed		
	*SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE C - CORE									

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PROJECT/ LOCATION: 535 Washington S CLIENT: Iskalo Development								03B1887.22 BH3		
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					_		MMER: WEIGHT NA FALL			NA .
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	(Unified s	Material Class		Description sual Manual Method)
1	0.8	0-4	U	-	-	10	0-0.6ft: Aspha	ilt		
2	1.8	4-8	U	-	-	15	0.6-4ft: Brown	silty sand (coa	rse, medium,	fine, loose, moist)
3	2.8	8-10.5	U	•	-	10	4-7ft: Black/br	rown gravelly sa	nd (coarse, m	nedium, fine, dense,
							moist)			
				:			dense, moist)	silty sand (red bi	ick fragments), (coarse, medium, fine,
							1 '	k sandv gravel (coarse angul	ar, loose, moist to wet)
							1 10.0.0.			ar, rooss, moist to wety
	3						Refusal @ 10.	5 ft. bgs		
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	ft. bgs = fee		ound surfa	ace			No odors detect	_		
		*SS - S	SPLIT-SF	OON SAMPLE	U - UI	NDISTURBED	TUBE P-PI	ISTON TUBE	C - CORE	

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46 60 70 70 70 70 70	L	CS Ir	ıc.	* ·		SU	BSUR	FACI	E LO	G
PROJEC	T/ LOCATI	ON:	5	35 Washington	Street,	Buffalo, New	York	PROJECT I	No	03B1887.22
l										BH4
DATE ST	TARTED:	12/1	8/03	_ DATE CON	/PLETE	D: <u>1</u>	2/18/03	RECORDE	D BY:	JMR
GROUNI	DWATER D	EPTH WH	IILE DR	ILLING:		NA	AFTER COM	IPLETION:		NA
WEATH	ER:	-30F, Clou	ıdy	DRILL RIG:	G	eoprobe	DRILLER:		BMS D	rilling
DRILL S	L SIZE/TYPE: Macro-core SAMPLE HAMMER: WEIGHT				R: WEIGHT	NA	FALL	NA		
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	(Unified	Material Class		Description sual Manual Method)
1	1.1	0-4	U	-	-	10	0-0.6ft: Aspha	alt		
2	4.7	4-6	U	-	-	20	0.6-5ft: Brown	n silty sand (fine	e, medium der	nse, moist)
3	3.1	6-8	U	***	_	20	5-8ft: Gray cl	ayey silt (no pla	sticity, moist)	
4	2.6	8-10.5	U	-	-	20	8-10.5ft: Brov	vn silty sand (co	oarse, mediun	n, fine, dense, moist)
							Refusal @ 10	.5 ft. bgs		
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							-			
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	-									
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NOTES NA = Not Applicable

ft. bgs = feet below ground surface

Fill to ~5 ft. bgs

No odors detected

*SS - SPLIT-SPOON SAMPLE

U - UNDISTURBED TUBE

P - PISTON TUBE

C - CORE

	T	CS	Inc.
COMPOSITION POSIC	1	1 1 1	

PROJEC1	r/ LOCATIO	N:	53	5 Washington	ork	PROJECT No.	03B1887.22		
				o Developmen					Li Li
DATE ST	ARTED:	12/1	8/03	_ DATE COM	IPLETE	D:12	2/18/03	RECORDED BY:	JMR
GROUND	WATER D	EPTH WH	ILE DRI	LLING: _		NA	AFTER COM	IPLETION:	NA
WEATHE	R:~	30F, Clou	dy	DRILL RIG:	Geoprobe DRILLER:			ВМ	S Drilling
DRILL SI	ZE/TYPE:		Macro	o-core	SAME	PLE HAMMEF	R: WEIGHT	NAFALL	. NA
Sample No.	PID/HNu Reading	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	(Unified	Material Classification a	
1	(ppm) 1.0	0-4	U	-	_	10	0-0.6ft: Asph	alt	
·									
2	1.4	4-6	υ	-	-	20	0.6-3ft: Brow	n gravelly silty sand (coar	se, medium, fine, loose,
				V 1			moist)		
3	1.4	6-8	U		-	20	3-4.8ft: Brow	n sandy silt (no plasticity,	moist)
			.,				4 0 0 E#, Dec	own/gray clayey silt (low p	lasticity moist)
4	1.8	8-10	U	-	-	24	4.0-0.311. DIC	wingiay ciayey siit (low p	laduoity, moisty
5	1.0	10-12	U	-	-	24	8.5-12ft: Bro	wn sandy clayey silt (low	plasticity, moist)
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					-				
NOTES	NA = Not	Applicable		*			Fill to ~4.8 ft.	bgs	
		et below g	round sur	face	No odors dete	ected			
		*SS -	SPLIT-S	POON SAMPLE	U-1	UNDISTURBEI	TUBE P-	PISTON TUBE C - C	ORE

	T	CS	Inc
CONTRACTOR STATE			
WOODS THE PERSON	_		

PROJEC.	T/ LOCATIO	ON:	53	35 Washington	Street, I	Buffalo, New	York	PROJECT N	o	03B1887.22
CLIENT:			Iska	lo Developmen	ıt Corpoi	ation		WELL/BORIN	NG No.	ВН6
DATE ST	ARTED:	12/1	8/03	_ DATE COM	1PLETE	D: <u>1</u>	2/18/03	RECORDED	BY:	JMR
GROUNE	WATER D	EPTH WH	IILE DR	ILLING:	~9.	5 ft. bgs	AFTER COM	IPLETION:		NA
WEATHE	R:	30F, Clou	ıdy	DRILL RIG:	G	eoprobe	DRILLER:		BMS D	rilling
DRILL SI	ZE/TYPE:		Macro	o-core	_ SAMF	PLE HAMME	R: WEIGHT	NA	_ FALL _	NA
Sample	PID/HNu	Depth	Туре	Blows/6"	N	Recovery		Material Classi	fication and f	Description
No.	Reading	(Feet)	*	BIOWS/O	1,	(Inches)	(Unified			sual Manual Method)
	(ppm)									,
1	3.2	0-2	U	•	-	15	0-0.6ft: Aspha	alt		
2 2.5 2-4 U 15 0.6-1ft: Gravel (coarse, angular, loose, dry)										
2	2.5	2-4	U		0.6-1ft: Grave	ei (coarse, angula	ar, loose, dry)		
3	3.0	4-6	U		1.7 5ft: Brown	n sand (fine, loos	e moiet)			
3	3.0	4-0	U	-	1-7.51t. BIOWI	r sand (iiio, iooc	e, moist)			
4	10.0	6-8	U	+	_	20	7.5-8.9ft; Bro	wn gravelly sand	l (coarse, me	dium, fine, loose, moist)
									•	·
5	45.0	8-10	U	<u>.</u>	-	15	8.9-9.5ft: Gra	y gravel (coarse	, angular, loc	se, moist to wet)
6	37.0	10-12	U	<u>.</u>		15	9.5-12ft: Brov	wn gravelly sand	(coarse, med	dium, fine, dense, moist)
							1			
				· · · · · · · · · · · · · · · · · · ·			-			
							_			
							-			
									<u> </u>	
NOTES	NA = Not A	, -					Fill to ~12 ft. bg		@ -7 E 10 E	t bas
	ft. bgs = fee	et below gro	ouna surf	ace			woderate petro	leum type odors	س ~1.5-12 T	r. nAs
		*SS - S	SPLIT-SF	POON SAMPLE	U - U	NDISTURBED	TUBE P-P	ISTON TUBE	C - CORE	

ICS	Inc
トしひ	

										
PROJEC [*]	T/ LOCATIO	DN:	53	35 Washington	Street, I	Buffalo, New	York			03B1887.22
CLIENT:			Iska	lo Developmen	t Corpor	ation		WELL/BORII	NG No.	BH7
DATE ST	ARTED:	12/1	8/03	_ DATE COM	1PLETEI	D:1	2/18/03	RECORDED	BY:	JMR
GROUND	WATER DI	EPTH WH	IILE DR	ILLING:	~9	ft. bgs	AFTER COM	PLETION:		NA
WEATHE	:R:~	30F, Clou	dy	DRILL RIG:	G	eoprobe	DRILLER:		BMS D	rilling
DRILL SI	ZE/TYPE:		Macro	o-core	_ SAMF	PLE HAMMER	R: WEIGHT	NA	_ FALL _	NA
					1		T			
						Recovery				
Sample No.	PID/HNu Reading	Depth (Feet)	Type *	Blows/6"	Material Classification and Description					
	(ppm)	(, 201)				(Inches)	(Unified	Soil Classificatio	n System-Vis	ual Manual Method)
1	0.0	0-4	U	-	_	10	0-0.6ft: Aspha	alt		
2 2.2 4-6 U 15 0.6-4ft: Brown silty sand (coarse, medium, fine, loose, moist)										fine, loose, moist)
3 2.2 6-8 U 15 4-7ft: Black/brown gravelly sand (coarse, medium, fine, dense,										
					moist)					
4	2.2	8-10	U	-	-	20	7-9ft: Brown s	silty sand (red br	ick fragments), (coarse, medium, fine,
							dense, moist)			
5	2.2	10-12	U	-	_	20	9-12ft: Black	sandy gravel (co	arse, angular	, loose, moist to wet)
										·
] .			
						•				
NOTES	NA = Not A	pplicable					Fill to ~12 ft. bg	s		
	ft. bgs = fee		ound surf	ace			No odors detec			
	-				11 11	NDIGTITOTO	TUDE D D	HOTON TUBE	C - CORE	
il		-55-	37LII-51	POON SAMPLE	U - U	NDISTURBED	TUDE P-P	ISTON TUBE	C - COKE	

				=						
# # # # # # # # # # # # # # # # # # #	L	CS Ir	ıc.	tu.		SU	BSUR	FACE	E LO	G
PROJEC	T/ LOCATION	ON:	5:	35 Washington	Street,	Buffalo, New	York	PROJECT N	lo.	03B1887.22
								WELL/BORING No. BH8		
DATE S	TARTED:	12/1	18/03	DATE COM	MPLETE	D:1	2/18/03	RECORDED	BY:	JMR
GROUN	DWATER D	EPTH WH	HILE DR	ILLING:	~9	ft. bgs	AFTER COM	IPLETION:		NA
WEATH	ER:	-30F, Clou	udy	DRILL RIG:	G	Geoprobe DRILLER: E			BMS C	Drilling
ł	RILL SIZE/TYPE: Macro-core SAMPLE HAMMER: WE									
			T							
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	(Unified	Material Class		Description sual Manual Method)
1	2.9	0-4	U	-	-	14	0-0.6ft: Aspha	alt		
2	2.1	4-8	U		-	12	0.6-6.5ft. Bro	wn sandy gravel	l (red brick fra	agments), (coarse, fine,
					ļ		angular, loose	e, moist)		
3	3.2	8-12	U		-	15	6.5-12ft: Brov	vn sandy silt (no	plasticity, mo	oist to wet)
							_			
							-			
	·									
					<u> </u>		-			
							-			
							4			
							-			
					 		-			

NOTES NA = Not Applicable

ft. bgs = feet below ground surface

Fill to ~6.5 ft. bgs

No odors detected

*SS - SPLIT-SPOON SAMPLE

U - UNDISTURBED TUBE

P - PISTON TUBE

C - CORE

	T	CS	T	nc.	
Superpose Contract Contract of the Contract of		/ 🖜	, .		

PROJEC	T/ LOCATIO	ON:	53	35 Washington	Street, E	Buffalo, New	York	PROJECT N	o	03B1887.22	
CLIENT:			lska	lo Developmen	t Corpor	ation		WELL/BORII	NG No.	ВН9	
DATE ST	ARTED:	12/1	8/03	_ DATE COM	1PLETE	D:1	2/18/03	RECORDED	BY:	JMR	
GROUNE	WATER DE	EPTH WE	IILE DR	LLING:		NA	AFTER COM	PLETION:		NA	
WEATHE	:R:~	30F, Clou	ıdy	DRILL RIG:	G	Geoprobe DRILLER:			BMS D	rilling	
DRILL SI	ZE/TYPE:		Масто	o-core	_ SAMF	LE HAMMER	R: WEIGHT	NA	_ FALL _	NA	
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	1	Material Classi		escription ual Manual Method)	
1	0.0	0-4	υ	**	-	10	0-0.6ft: Aspha	lt			
2	0.0	4-6	U	-	-	15	0.6-2ft: Brown	gravelly sand (coarse, mediu	um, fine, loose, moist)	
3	0.0	6-8	U	•	-	15	2-4.5ft: Brown	clayey silt (low	plasticity, mo	ist)	
4	0.0	8-10	U	-	-	20	4.5-6.5ft: Brov	wn gravelly silt (no plasticity, r	noist)	
_		10.10					0.5.400			A	
5	0.0	10-12	U	-	-	20	6.5-12π: Brow	n silty clay (hig	n piasticity, sc	π, moist)	
	-										
							4				
							1				
				M Thurst M. / /							
							4				
							1				
							_				
							4				
							1				
NOTES	NA = Not A	policable			L		Fill to ~6.5 ft. bg	ns			
,,,,,,,,			ound surf	ace							
	ft. bgs = feet below ground surface No odors detected *SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE C - CORE										

0.0000 9000 9000 9000 9000 9000 9000		CS In	ıc.			SU	BSUR	FACE	LO	G
PROJEC	T/ LOCATIO	DN:	53	35 Washington	Street, I	Buffalo, New	York	PROJECT No	o	03B1887.22
CLIENT:			Iska	lo Developmen	t Corpo	ration		WELL/BORIN	IG No	BH10
DATE ST	ARTED:	12/1	8/03	_ DATE COM	1PLETE	D:1	2/18/03	RECORDED	BY:	JMR
GROUNE	EPTH WH	ILE DR	ILLING:	~9	ft. bgs	AFTER COM	PLETION:		NA	
WEATHE	ER:~	30F, Clou	dy	DRILL RIG:	G	eoprobe	DRILLER:		BMS D	Prilling
DRILL SI	ZE/TYPE:		Macro	o-core	SAME	PLE HAMME	R: WEIGHT	NA	_ FALL	NA
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Туре	Blows/6"	N	Recovery (Inches)	Material Classification and Description (Unified Soil Classification System-Visual Manual Method			
1	4.6	0-2	U	-	-	10	0-0.6ft: Aspha	ait		
2	2.4	2-4	U	-	*	10	0.6-3ft: Brown	n gravelly silty sa	and (coarse,	medium, fine, loose,
3	2.3	4-6	U	-		20	3-5.5ft: Brow	n sandy silt (no p	lasticity, moi	st)
4	3.1	6-8	U	-	-	20	5.5-8.5ft: Bro	wn/gray clayey s	ilt (low plasti	city, moist)
5	3.4	8-11	U	-		20	8.5-11ft: Brow	wn sandy clayey	silt (low plas	ticity, moist to wet)
					l					

Refusal @ ~11 ft. bgs

	,								
NOTES	NA = Not A	pplicable					Fill to ~5.	.5 ft. bgs	
	ft. bgs = fee	et below gro	ound surf	ace		i	No odors	s detected	-
		*SS - S	SPLIT-SI	POON SAMPLE	U - U	NDISTURBED	TUBE	P - PISTON TUBE	C - CORE

Manager interpressors of the control	LCS	Inc

PROJEC'	T/ LOCATIO	LOCATION: 535 Washington Street, Buffalo, New York					York	PROJECT No.	03B1887.22
CLIENT:			Iska	lo Developmen	nt Corporation			WELL/BORING N	lo. BH11
DATE ST	ARTED:	12/1	8/03	_ DATE COM	PLETE	D: <u>1</u>	2/18/03	RECORDED BY:	JMR
GROUNE	WATER D	EPTH WH	IILE DR	ILLING:	~10	~10 ft. bgs AFTE		PLETION:	NA
WEATHE	:R:	30F, Clou	ıdy	DRILL RIG:	G	eoprobe	DRILLER:		BMS Drilling
DRILL SI	ZE/TYPE:		Macro	o-core	SAMF	PLE HAMME	R: WEIGHT	NA F	ALL NA
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	(Unified \$	Material Classification Soil Classification Sys	on and Description stem-Visual Manual Method)
1	2.6	0-2	U	-	-	15	0-0.6ft: Aspha	ilt	
2	2.1	2-4	U	-	-	15	0.6-4.5ft: Brov	vn sand (fine, loose, r	moist)
3	1.4	4-6	U		-	20	4.5-4.8ft: Gray	y gravel (coarse, ang	ular, moist)
					``		_		
4	34.0	6-8	U	-	-	20	4.8-11ft: Brow	n gravelly silty sand	(coarse, medium, fine, loose,
							moist to wet)		
5	58.0	8-11	U	-	-	15	Potusal @ -1:	1 1 h ha a	
							Refusal @ ~1	r it. bgs	
	į								
		,			-				
							_		
							-		
							-		
							_		
							_		
NOTES	NA = Not A						Fill to ~4.8 ft. bo		
	ft. bgs = fee	et below gro	ound surf	ace			Moderate petrol	eum type odors @ ~	6-11 ft. bgs
		*SS - S	SPLIT-SF	POON SAMPLE	U - U	NDISTURBED	TUBE P-P	ISTON TUBE C-	CORE



ANALYTICAL RESULTS

WASTE STREAM TECHNOLOGY, INC.

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

Analytical Data Report

Report Date: 01/06/04 Group Number: 2031-3287

Prepared For:
Mr. Doug Reid
Lender Consulting Services, Inc.
232 Delaware Avenue
Suite 33
Buffalo, NY 14202
FAX: 716-845-6164

Site: 535 Washington St.

Analytical Services								
Analytical Parameters	Number of Samples	Turnaround Time						
8260 STARS w/TICS	. 5	Standard						
8270 STARS w/TICS	5	Standard						
8260 STARS	3	Standard						
8270 STARS	2	Standard						

Report Released By:

. Brian S. Schepart, Ph.D., Laboratory Director

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977



Page 1 of <u>34</u>



aste Stream Technology, Inc.

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

Analytical Data Report

Group Number: 2031-3287

Site: 535 Washington St.

Field and Laboratory Information

WST ID	Client ID	Matrix	Date Sampled	Date Received	Time
WT29604	BH1 (4-6)	Soil	12/18/03	12/22/03	12:30
WT29605	BH3 (4-8)	Soil	12/18/03	12/22/03	12:30
WT29606	BH4 (4-6)	Soil	12/18/03	12/22/03	12:30
WT29607	BH6 (8-10)	Soil	12/18/03	12/22/03	12:30
WT29608	BH11 (8-10)	Soil	12/18/03	12/22/03	12:30
WT29609	TPMW1	Aqueous	12/19/03	12/22/03	12:30
WT29610	TPMW3	Aqueous	12/19/03	12/22/03	12:30
WT29611	TPMW4	Aqueous	12/19/03	12/22/03	12:30



METHODOLOGIES

The specific methodologies employed in obtaining the analytical data reported are indicated on each of the result forms. The method numbers shown refer to the following U.S. Environmental Protection Agency Reference:

Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020, March 1979, Revised 1983, U.S. Environmental Monitoring and Support Laboratory, Cincinnati, Ohio 45268.

Federal Register, 40 CFR Part 136: Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act. Revised July 1992.

Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. Third Edition, Revised December 1996, U.S. EPA SW-846.

Annual Book of ASTM Standards, Volume II. ASTM, 100 Harbor Drive, West Conshohocken, PA 19428-2959.

Standard Methods for the Examination of Water and Wastewater. (20th Edition). American Public Health Association, 1105 18th Street, NW, Washington, D.C. 20036.

DETECTION LIMIT DEFINITIONS

MDL = Method Detection Limit. When reported, the MDL is the minimum concentration that can be measured and reported with 99 percent confidence that the concentration is greater than zero.

MQL = Method Quantitation Limit. The MQL is the minimum concentration that can be reliably reported. The MQL is equal to the concentration of the lowest standard used for the initial calibration of the instrument.

Reporting Limit = A reporting limit is the minimum concentration that can be measured and reported for analyses where initial calibration is not applicable. The reporting limit is based on the specifics of the analysis procedure.



ORGANIC DATA QUALIFIERS

- U Indicates compound was analyzed for but not detected at the stated MQL or Reporting Limit. If the MDL has been reported, U indicates that the compound was not detected at the MDL.
- J Indicates an estimated value. This flag is used to qualify the following: when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed; a compound is detected in the sample but the result is less than the method quantitation limit but greater than the statistically calculated laboratory method detection limit; the result for a compound is estimated due to the analysis of a sample beyond the USEPA defined holding time; the result for a compound is estimated due to a quality control sample result that is outside the laboratory quality control recovery limits.
- **C** This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- **B** This flag is used when the analyte is found in the associated blank as well as the sample.
- **E** This flag identifies all compounds whose concentrations exceed the calibration range of the GC/MS instrument of that specific analysis.
- **D** This flag identifies all compounds identified in an analysis at a secondary dilution factor.
- **G** Matrix spike recovery is greater than the expected upper limit of analytical performance.
- L Matrix spike recovery is less than the expected lower limit of analytical performance.
- # Indicates that a surrogate recovery was found to be outside the expected limits of analytical performance.
- **\$ -** Indicates that the surrogate compound was diluted out. The sample had to be diluted to obtain analytical results and a recovery could not be calculated.
- (%) Indicates that the compound is a surrogate and that the value reported for this compound is in percent recovery. The quality control recovery limits are indicated in the detection limit or QC limits column.



Variate Stream Technology, Inc.

Volatile Organics in Soil SW-846 8260B

Site: 535 Washington St. Date Sampled: 12/18/03 Date Received: 12/22/03

Group Number: 2031-3287

Units: µg/Kg Matrix: Soil

WST ID: WT29604 Client ID: BH1 (4-6) Extraction Date: NA

Date Analyzed: 12/30/03

Compound	MQL	Result	QC Limits (%)	Qualifier
methyl-tert-butylether	10	Not detected		U
benzene	10	Not detected		U
toluene	10	Not detected		U
ethylbenzene	10	Not detected		U
m,p-xylene	20	Not detected		U
o-xylene	10	Not detected		U
isopropylbenzene	10	Not detected		U
n-propylbenzene	10	Not detected		U
1,3,5-trimethylbenzene	10	Not detected		U
tert-butylbenzene	10	Not detected		U
1,2,4-trimethylbenzene	10	Not detected		U
sec-butylbenzene	10	Not detected		U
p-isopropyltoluene	10	Not detected		U
n-butylbenzene	10	Not detected		U
naphthalene	10	Not detected		U
1,2-Dichloroethane-d4 (%)		96	69-132	
Toluene-d8 (%)		97	81-121	
Bromofluorobenzene (%)		100	83-121	

Dilution Factor 1



1E VOLATILE ORGANICS ANALYSIS DA... SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

3H1 (4-6)

			IENIAII	VELT IDE	IN I IFIED COIVIE	CONDS		PILI	(4-0)
Lab Name:	Waste	Stream Technology			_ Contract:	LCS			
Project No.:	03-B18	<u>887.2</u> 2	Site:	535 Was	hington St.	,		Group:	2031-3287
Matrix: (soil	/water)	Soil				La	b Sample ID:	WT29604	
Sample wt/v	ol:	1.14	(g/mL)	g			Lab File ID:	0028878	
	v/med)	low				D	ate Received:		
% Moisture:	not de						ate Analyzed:		
GC Column:		Rtx 502	ID:	0.18	_ (mm)	Di	lution Factor:	1	
Soil Extract \	√olume:		(uL)			Soil Ali	quot Volume:		(uL)
					Concentration	n Units:			
Number TICs	found:	0			(ug/L or ug		ug/Kg		
		CAS Number		Compour	nd Name	RT	Est. Conc.	Q	
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	į	2.			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
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		6.							
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		27. 28.					-		
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FORM I VOA-TIC

29. 30.

3/90

Waste Stream Technology, Inc.

Volatile Organics in Soil SW-846 8260B

Site: 535 Washington St. Date Sampled: 12/18/03 Date Received: 12/22/03

Group Number: 2031-3287

Units: µg/Kg Matrix: Soil

WST ID: WT29605 Client ID: BH3 (4-8) Extraction Date: NA Date Analyzed: 12/30/03

Compound	MQL	Result	QC Limits (%)	Qualifier
methyl-tert-butylether	10	Not detected		U
benzene	10	Not detected		U
toluene	10	Not detected		U
ethylbenzene	10	Not detected		U
m,p-xylene	20	Not detected		U
o-xylene	10	Not detected		U
isopropylbenzene	10	Not detected		U
n-propylbenzene	10	Not detected		U
1,3,5-trimethylbenzene	10	Not detected		U
tert-butylbenzene	10	Not detected		U
1,2,4-trimethylbenzene	10	Not detected		U
sec-butylbenzene	10	Not detected		U
p-isopropyltoluene	10	Not detected		U
n-butylbenzene	10	Not detected		U
naphthalene	10	11		
1,2-Dichloroethane-d4 (%)		99	69-132	
Toluene-d8 (%)		96	81-121	
Bromofluorobenzene (%)		116	83-121	

Dilution Factor 1



1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

BH3 (4-8)

						0	,,
_ab Name: Waste	Stream Technology		Contract	LCS	·		
Project No.: 03-B1	887.22	Site: <u>5</u>	35 Washington St.	-		Group:	2031-32
Matrix: (soil/water)	Soil			La	b Sample ID:	WT29605	
Sample wt/vol:	1.07	(g/mL)	g		Lab File ID:	0028879	
_evel: (low/med)	low			Da	te Received:	12/22/03	
% Moisture: not de		•			ite Analyzed:		
GC Column:	Rtx 502	- ID:	0.18 (mm)		ution Factor:		
			0.10 (11111)				
Soil Extract Volume	-	_(uL)		Soil Alic	quot Volume:		(uL)
Number TICs found:	0	_	Concentration (ug/L or u		ug/Kg		
	CAS Number	С	ompound Name	RT	Est. Conc.	Q	
	1.						
	. 2.			<u> </u>			
	3.						
	5.						
	6.						
	7.						
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FORM I VOA-TIC

30.

Waste Stream Technology, Inc.

Volatile Organics in Soil SW-846 8260B

Site: 535 Washington St. Date Sampled: 12/18/03 Date Received: 12/22/03

Group Number: 2031-3287

Units: µg/Kg Matrix: Soil

WST ID: WT29606 Client ID: BH4 (4-6) Extraction Date: NA

Date Analyzed: 12/30/03

Compound	MQL	Result	QC Limits (%)	Qualifier
methyl-tert-butylether	10	Not detected		Ū
benzene	10	Not detected		U
toluene	10	Not detected		U
ethylbenzene	10	Not detected		U
m,p-xylene	20	Not detected		U
o-xylene	10	Not detected		U
isopropylbenzene	10	Not detected		U
n-propylbenzene	10	Not detected		U
1,3,5-trimethylbenzene	10	Not detected		U
tert-butylbenzene	10	Not detected		U
1,2,4-trimethylbenzene	10	Not detected		U
sec-butylbenzene	10	Not detected		U
p-isopropyltoluene	10	Not detected		U
n-butylbenzene	10	Not detected		U
naphthalene	10	Not detected		U
1,2-Dichloroethane-d4 (%)		92	69-132	
Toluene-d8 (%)		99	81-121	
Bromofluorobenzene (%)		100	83-121	

Dilution Factor 1



1E VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

			TENTATIVELY IDENTIFIED COMPOUNDS				BH4	1 (4-6)
Lab Name:	Waste S	tream Technology		Contract:	LCS	i		
Project No.:	03-B188	<u>37.2</u> 2	Site: <u>535 W</u>	ashington St.			Group:	2031-32
Matrix: (soil/	water)	Soil	_		Lal	Sample ID:	WT29606	
Sample wt/vo	ol:	1.04	(g/mL) g			Lab File ID:	0028880	
Level: (low	v/med)	low	_		Da	te Received:	12/22/03	
% Moisture:	not dec.	9.47	_		Da	te Analyzed:	12/30/03	_
GC Column:	***	Rtx 502	ID: 0.18	3(mm)	Dil	ution Factor:	1	-
Soil Extract V	/olume:		_ (uL)		Soil Aliq	juot Volume:		_ (uL)
Number TICs	found:	1	_	Concentration (ug/L or ug		ug/Kg		
	ſ	CAS Number	Compo	und Name	RT	Est. Conc.	Q	1
		1.	Unknown Alkane		25.74	16	J	
		2.						
		3.						
	L	4.						1
		5.						1
		6.						1
	<u>_</u>	7.						4
	<u> </u>	8.						4
	<u> </u>	9.						-
	<u> </u>	10.						-
	-	11. 12.						1
*	-	13.						1
	-	14.				1		1
	<u> </u>	15.						†
	<u> </u>	16.						1
	F	17.						1
		18.						1

19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30.

FORM I VOA-TIC

3/90

Waste Stream Technology, Inc

Volatile Organics in Soil SW-846 8260B

Site: 535 Washington St. Date Sampled: 12/18/03 Date Received: 12/22/03

Group Number: 2031-3287

Units: µg/Kg Matrix: Soil

WST ID: WT29607 Client ID: BH6 (8-10)

Extraction Date: NA
Date Analyzed: 12/30/03

| Compound | MQL | Result | QC Limits (%) | Qualifier |
|---------------------------|-----|--------------|--|-----------|
| methyl-tert-butylether | 10 | Not detected | The second secon | Ū |
| benzene | 10 | Not detected | | U |
| toluene | 10 | Not detected | | U |
| ethylbenzene | 10 | Not detected | | U |
| m,p-xylene | 20 | Not detected | | U |
| o-xylene | 10 | Not detected | | U |
| isopropylbenzene | 10 | Not detected | | U |
| n-propylbenzene | 10 | Not detected | | U |
| 1,3,5-trimethylbenzene | 10 | 17 | | |
| tert-butylbenzene | 10 | Not detected | | U |
| 1,2,4-trimethylbenzene | 10 | Not detected | | U |
| sec-butylbenzene | 10 | Not detected | | U |
| p-isopropyltoluene | 10 | Not detected | | U |
| n-butylbenzene | 10 | 10 | | |
| naphthalene | 10 | Not detected | | U |
| 1,2-Dichloroethane-d4 (%) | | 90 | 69-132 | |
| Toluene-d8 (%) | | 97 | 81-121 | |
| Bromofluorobenzene (%) | | 105 | 83-121 | |
| m. 1 . 1 . m | | | | |

Dilution Factor 1

1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

BH6 (8-10)

| Lab Name: | Waste | Stream | n Technology | | | Contract: | LCS | | | |
|----------------|---------|--------|--------------|--------------------------|-------------|-------------------------------|-----------|---------------|-----------------|------|
| Project No.: | 03-B1 | 887.2 | 2 | Site: 535 Washington St. | | | | | Group: 2031-328 | |
| Matrix: (soil, | /water) | - | Soil | - | | | Lat | Sample ID: | WT29607 | |
| Sample wt/v | ol: | | 1.11 | (g/mL) | g | | | Lab File ID: | 0028881 | |
| Level: (lov | v/med) | _ | low | - | | | Da | te Received: | 12/22/03 | |
| % Moisture: | not de | .c | 7.84 | - | | | Da | te Analyzed: | 12/30/03 | |
| GC Column: | | | Rtx 502 | ID:_ | 0.18 (| mm) | Dile | ution Factor: | 1 | |
| Soil Extract \ | /olume: | _ | | _(uL) | | | Soil Aliq | uot Volume: | | (uL) |
| Number TICs | found: | _ | 10 | _ | C | Concentration
(ug/L or ug/ | | ug/Kg | | |
| | | CASI | Number | | Compound I | Name | RT | Est. Conc. | a | |
| | | 1. | 001120-21-4 | Undecane | | | 20.22 | 88 | J | |
| | | 2. | | Benzene, me | thyl (methy | ylethyl)- iso | 21.70 | 79 | J | |
| | | 3. | 000112-40-3 | Dodecane | | | 22.47 | 110 | J | |

| *************************************** | | | | |
|---|------------------------------------|-------|------------|---|
| CAS Number | Compound Name | RT | Est. Conc. | a |
| 1. 001120-21- | 4 Undecane | 20.22 | 88 | J |
| 2. | Benzene, methyl (methylethyl)- iso | 21.70 | 79 | J |
| 3. 000112-40- | 3 Dodecane | 22.47 | 110 | J |
| 4. | Undecane, dimethyl- isomer | 22.59 | 130 | J |
| 5. | Benzene, ethyl (dimethyl)- isomer | 22.79 | 80 | J |
| 6. 000119-64- | Naphthalene, 1,2,3,4-tetrahydro- | 23.10 | 74 | J |
| 7. | Unknown Alkane | 23.18 | 240 | J |
| 8. | Unknown Aromatic | 23.33 | 83 | J |
| 9. | Unknown Alkane | 24.16 | 120 | J |
| 10. | Unknown Alkane | 24.96 | 110 | J |
| 11. | · | | | |
| 12. | | | | |
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| 30. | | | | |

FORM I VOA-TIC

...aste Stream Technology, Inc.

Volatile Organics in Soil SW-846 8260B

Site: 535 Washington St. Date Sampled: 12/18/03 Date Received: 12/22/03

Group Number: 2031-3287

Units: µg/Kg Matrix: Soil

WST ID: WT29608 Client ID: BH11 (8-10)

Extraction Date: NA
Date Analyzed: 12/30/03

| Compound | MQL | Result | QC Limits (%) | Qualifier |
|---------------------------|-----|--------------|---------------|-----------|
| methyl-tert-butylether | 10 | Not detected | | U |
| benzene | 10 | Not detected | | U |
| toluene | 10 | Not detected | | U |
| ethylbenzene | 10 | Not detected | | U |
| m,p-xylene | 20 | Not detected | | U |
| o-xylene | 10 | 12 | | |
| isopropylbenzene | 10 | 11 | | |
| n-propylbenzene | 10 | 21 | | |
| 1,3,5-trimethylbenzene | 10 | 99 | | |
| tert-butylbenzene | 10 | Not detected | | U |
| 1,2,4-trimethylbenzene | 10 | 194 | | |
| sec-butylbenzene | 10 | 66 | | |
| p-isopropyltoluene | 10 | 68 | | |
| n-butylbenzene | 10 | 149 | | |
| naphthalene | 10 | 30 | | |
| 1,2-Dichloroethane-d4 (%) | | 91 | 69-132 | |
| Toluene-d8 (%) | | 98 | 81-121 | |
| Bromofluorobenzene (%) | | 100 | 83-121 | |

Dilution Factor 1



1E VOLATILE ORGANICS ANALYSIS DATA. SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

BH11 (8-10)

| Lab Name: | Waste Stream | Technology | | | _ Contract: | LCS | | |
|----------------|---------------------|------------|----------|---------------------|---------------|---------------------|----------|-----------|
| Project No.: | <u>03-B1887.2</u> 2 | | S | ite: <u>535 Was</u> | hington St. | | Group: | 2031-3287 |
| Matrix: (soil | /water) | Soil | - | | | Lab Sample ID: | WT29608 | |
| Sample wt/v | ol: | 1.14 | _(g/mL) | g | | Lab File ID: | 0028882 | |
| Level: (lov | v/med) | low | | | | Date Received: | 12/22/03 | |
| % Moisture: | not dec. | 12.12 | . | | | Date Analyzed: | 12/30/03 | |
| GC Column: | | Rtx 502 | - | ID: 0.18 | (mm) | Dilution Factor: | :1 | |
| Soil Extract \ | Volume: | | _ (uL) | | | Soil Aliquot Volume | | (uL) |
| Number TICs | · found: | | | | Concentration | | | |

| _ | 10 | (ug/L or ug. | /Kg) | ug/Kg | |
|-------|-------------|----------------------------|-------|------------|---|
| CAS I | Number | Compound Name | RT | Est. Conc. | Q |
| 1. | 000124-18-5 | Decane | 17.34 | 410 | J |
| 2. | 001120-21-4 | Undecane | 20.23 | 660 | J |
| 3. | | Alkane/Aromatic Mixed Peak | 21.70 | 460 | J |
| 4. | | Substituted Cyclohexane | 21.86 | 440 | J |
| 5. | 000112-40-3 | Dodecane | 22.47 | 560 | J |
| 6. | 017301-23-4 | Undecane, 2,6-dimethyl | 22.59 | 1050 | J |
| 7. | | Unknown Alkane | 23.10 | 430 | J |
| 8. | | Unknown Alkane | 23.17 | 1300 | J |
| 9. | | Dodecane, dimethyl- isomer | 24.16 | 660 | J |
| 10. | | Unknown Alkane | 24.97 | 430 | J |
| 11. | | | | | |
| 12. | | | | | |
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FORM I VOA-TIC

waste Stream Technology, Inc.

Volatile Organics in Water SW-846 8260B

Site: 535 Washington St. Date Sampled: 12/19/03 Date Received: 12/22/03

Group Number: 2031-3287

Units: µg/L Matrix: Aqueous

WST ID: WT29609 Client ID: TPMW1 Extraction Date: NA

Date Analyzed: 12/30/03

| Compound | MQL | Result | QC Limits (%) | Qualifier |
|---------------------------|-----|--------------|---|-----------|
| methyl-t-butyl ether | 1 | Not detected | And the second section of the section of the second section of the section | U |
| benzene | 1 | Not detected | | U |
| toluene | 1 | Not detected | | U |
| ethylbenzene | 1 | Not detected | | U |
| m,p-xylene | 2 | Not detected | | U |
| o-xylene | 1 | Not detected | | U |
| isopropylbenzene | 1 | Not detected | | U |
| n-propylbenzene | 1 | Not detected | | U |
| 1,3,5-trimethylbenzene | 1 | Not detected | | U |
| tert-butylbenzene | 1 | Not detected | | U |
| 1,2,4-trimethylbenzene | 1 | Not detected | | U |
| sec-butylbenzene | 1 | Not detected | | U |
| p-isopropyltoluene | 1 | Not detected | | U |
| n-butylbenzene | 1 | Not detected | | U |
| naphthalene | 1 . | Not detected | | U |
| 1,2-Dichloroethane-d4 (%) | | 108 | 76-114 | |
| Toluene-d8 (%) | | 101 | 84-118 | |
| Bromofluorobenzene (%) | | 99 | 82-117 | |
| Dilution Footor 4 | | | | |



waste Stream Technology, Inc.

Volatile Organics in Water SW-846 8260B

Site: 535 Washington St. Date Sampled: 12/19/03 Date Received: 12/22/03

Group Number: 2031-3287

Units: µg/L Matrix: Aqueous

WST ID: WT29610 Client ID: TPMW3 traction Date: NA

| MACI | Pocu |
|------------------|----------|
| Date Analyzed: | 12/30/03 |
| Extraction Date: | NA |

| Compound | MQL | Result | QC Limits (%) | Qualifier |
|---------------------------|-----|--------------|--|-----------|
| methyl-t-butyl ether | 1 | Not detected | THE PARTY STATE OF THE PARTY OF | U |
| benzene | 1 | Not detected | | U |
| toluene | 1 | 1 | | |
| ethylbenzene | 1 | Not detected | | U |
| m,p-xylene | 2 | 3 | | |
| o-xylene | 1 . | 2 | | |
| isopropylbenzene | 1 | Not detected | | U |
| n-propylbenzene | 1 | Not detected | | U |
| 1,3,5-trimethylbenzene | 1 | Not detected | | U |
| tert-butylbenzene | 1 | Not detected | | U |
| 1,2,4-trimethylbenzene | 1 | Not detected | | U |
| sec-butylbenzene | 1 | Not detected | | U |
| p-isopropyltoluene | 1 | Not detected | | U |
| n-butylbenzene | 1 | Not detected | | U |
| naphthalene | 1 | Not detected | | U |
| 1,2-Dichloroethane-d4 (%) | | 104 | 76-114 | |
| Toluene-d8 (%) | | 101 | 84-118 | |
| Bromofluorobenzene (%) | | 91 | 82-117 | |



vaste Stream Technology, Inc

Volatile Organics in Water SW-846 8260B

Site: 535 Washington St. Date Sampled: 12/19/03 Date Received: 12/22/03

Group Number: 2031-3287

Units: µg/L Matrix: Aqueous

WST ID: WT29611 Client ID: TPMW4 action Date: NA

Extraction Date: NA
Date Analyzed: 12/30/03

| Compound | MQL | Result | QC Limits (%) | Qualifier |
|---------------------------|-----|--------------|--|-----------|
| methyl-t-butyl ether | 1 | Not detected | And the second s | Ū |
| benzene | 1 | Not detected | | U |
| toluene | 1 | 2 | | |
| ethylbenzene | 1 | 2 | | |
| m,p-xylene | 2 | 4 | | |
| o-xylene | 1 | 5 | | |
| isopropylbenzene | 1 | 2 | | |
| n-propylbenzene | 1 | 3 | | |
| 1,3,5-trimethylbenzene | 1 | 16 | | |
| tert-butylbenzene | 1 | Not detected | | U |
| 1,2,4-trimethylbenzene | 1 | 30 | | |
| sec-butylbenzene | 1 | 4 | | |
| p-isopropyltoluene | 1 | 6 | | |
| n-butylbenzene | 1 | 9 | | |
| naphthalene | 1 | 17 | | |
| 1,2-Dichloroethane-d4 (%) | | 107 | 76-114 | |
| Toluene-d8 (%) | • | 104 | 84-118 | |
| Bromofluorobenzene (%) | | 89 | 82-117 | |



vvaste Stream Technology, Inc

VOCs in Water Method Blank SW-846 8260B

Site: 535 Washington St.

Date Sampled: NA Date Received: NA Group Number: 2031-3287

Units: µg/L

WST ID: MB123003

Client ID: NA
Extraction Date: NA
Date Analyzed: 12/30/03

| Compound | MQL | Result | QC Limits (%) | Qualifier |
|---------------------------|-----|--------------|--|-----------|
| methyl-tert-butylether | 1 | Not detected | AND THE RESERVE OF THE PROPERTY OF THE PROPERT | U |
| benzene | 1 | Not detected | | U |
| toluene | 1 | Not detected | | U |
| ethylbenzene | 1 | Not detected | | U |
| m,p-xylene | 1 | Not detected | | U |
| o-xylene | 1 | Not detected | | U |
| isopropylbenzene | 1 | Not detected | | U |
| n-propylbenzene | 1 | Not detected | | U |
| 1,3,5-trimethylbenzene | 1 | Not detected | | U |
| tert-butylbenzene | 1 | Not detected | | U |
| 1,2,4-trimethylbenzene | 1 | Not detected | | U |
| sec-butylbenzene | 1 | Not detected | | U |
| p-isopropyltoluene | 1 | Not detected | | U |
| n-butylbenzene | 1 | Not detected | | U |
| naphthalene | 1 | Not detected | | U |
| 1,2-Dichloroethane-d4 (%) | | 105 | 74-117 | |
| Toluene-d8 (%) | | 101 | 82-123 | |
| Bromofluorobenzene (%) | | 95 | 85-123 | |

Dilution Factor 1
MB denotes Method Blank
NA denotes Not Applicable



1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

| SAMPLE | NO. |
|--------|--------|
| BAD (| 122002 |

| | | | ICNIA | IVELT IDE | IN I I FIED COIVIE | CONDS | | INIB I | 23003 |
|----------------------|------------|--------------|---------------------------------------|---------------------------------------|---------------------------|--------------|---------------|----------|-------|
| Lab Name: Waste | Stream | n Technology | | | _ Contract: | LCS | | | |
| Project No.: | | | Site | | | | | Group: | |
| Matrix: (soil/water) | _ | Soil | | | | Lal | Sample ID: | MB123003 | |
| Sample wt/vol: | *** | 1.00 | (g/mL) | g | | | Lab File ID: | 0028877 | |
| Level: (low/med) | | low | | | | Da | te Received: | na | |
| % Moisture: not de | с | na | _ | | | Da | te Analyzed: | 12/30/03 | |
| GC Column: | | Rtx 502 | ID: | 0.18 | (mm) | | ution Factor: | | |
| Soil Extract Volume: | _ | | • | | - | | | | (uL) |
| Number TICs found: | | 2 | | | Concentration (ug/L or ug | | ug/Kg | | |
| | CAS N | Number | | Compour | d Name | RT | Est. Conc. | Q | |
| | 1. | 000124-19-6 | | | | 21.63 | 16 | J | |
| | 2. | 000112-31-2 | Decanal | | | 23.07 | 28 | J | |
| | 3. | | | | | | | | |
| | 4. | | | | | | | | |
| | 5. | | | | | | | | |
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FORM I VOA-TIC

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3/90

Waste Stream Technology, II DEC List 8270 BNs in Soil EPA 8270

Site: 535 Washington St. Date Sampled: 12/18/03 Date Received: 12/22/03

Group Number: 2031-3287

Units: µg/Kg Matrix: Soil

WST ID: WT29604 Client ID: BH1 (4-6) Extraction Date: 12/29/03

Date Analyzed: 12/29/03

| Compound | MQL | Result | QC Limits (%) | Qualifier |
|------------------------|-----|--------------|--|-----------|
| anthracene | 67 | Not detected | and the second support of the second support of the second | U |
| fluorene | 67 | Not detected | | U |
| phenanthrene | 67 | Not detected | | U |
| pyrene | 67 | Not detected | | U |
| acenaphthene | 67 | Not detected | | U |
| benzo[a]anthracene | 67 | Not detected | | U |
| fluoranthene | 67 | Not detected | | U |
| benzo[b]fluoranthene | 67 | Not detected | | U |
| benzo[k]fluoranthene | 67 | Not detected | | U |
| benzo[a]pyrene | 67 | Not detected | | U |
| dibenzo[a,h]anthracene | 67 | Not detected | | U |
| benzo[g,h,i]perylene | 67 | Not detected | | U |
| indeno[1,2,3-cd]pyrene | 67 | Not detected | | U |
| naphthalene | 67 | Not detected | | U |
| chrysene | 67 | Not detected | | U |
| Nitrobenzene-d5 (%) | | 93 | 48-122 | |
| 2-Fluorobiphenyl (%) | | 92 | 50-121 | |
| Terphenyl-d14 (%) | | 99 | 36-134 | |



Waste Stream Technology, Ir DEC List 8270 BNs in Soil EPA 8270

Site: 535 Washington St. Date Sampled: 12/18/03 Date Received: 12/22/03

Group Number: 2031-3287

Units: µg/Kg Matrix: Soil

WST ID: WT29605 Client ID: BH3 (4-8)

Extraction Date: 12/29/03 Date Analyzed: 12/29/03

| Compound | MQL | Result | QC Limits (%) | Qualifier |
|------------------------|-----|--------------|--|------------------------------|
| anthracene | 670 | 1860 | Marendones I de la compaño e d | Company of the second second |
| fluorene | 670 | Not detected | | U |
| phenanthrene | 670 | 7810 | | |
| pyrene | 670 | 16500 | | |
| acenaphthene | 670 | Not detected | | U |
| benzo[a]anthracene | 670 | 12200 | | |
| fluoranthene | 670 | 17300 | | |
| benzo[b]fluoranthene | 670 | 9180 | | |
| benzo[k]fluoranthene | 670 | 10600 | | |
| benzo[a]pyrene | 670 | 10500 | | |
| dibenzo[a,h]anthracene | 670 | 1790 | | |
| benzo[g,h,i]perylene | 670 | 2890 | | |
| indeno[1,2,3-cd]pyrene | 670 | 3410 | | |
| naphthalene | 670 | Not detected | | U |
| chrysene | 670 | 11100 | | |
| Nitrobenzene-d5 (%) | | 109 | 48-122 | |
| 2-Fluorobiphenyl (%) | | 101 | 50-121 | |
| Terphenyl-d14 (%) | | 113 | 36-134 | |



1F SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

| T | Group: <u>2031-3287</u> |
|-----------|-------------------------|
| ole ID: W | Γ29605 |
| | |

SAMPLE NO.

| Lab Name: WASTE S | TREAM TECH | HNOLOGY | <u> </u> | Contract: | | |
|-------------------------|------------|---------|---------------------|----------------------------|-----------------|----------------|
| Project No.: LCS | | Site | e: <u>535 WA</u> SH | Location: | BH3 4-8 | Group: 2031-32 |
| Matrix: (soil/water) | SOIL | _ | | | Lab Sample ID: | WT29605 |
| Sample wt/vol: | 30.2 | _(g/mL) | g | | Lab File ID: | 0017637D |
| Level: (low/med) | LOW | _ | | | Date Received | 12/22/03 |
| % Moisture: 5.62 | - | deca | inted: (Y/N)_ | N | Date Extracted: | 12/29/03 |
| Concentrated Extract Vo | olume: | 1 | (ML) | | Date Analyzed | 12/29/03 |
| Injection Volume: | 1.0 | _(uL) | | | Dilution Factor | :1.0 |
| GPC Cleanup: (Y/N) | N | | pH: | NA | | |
| Number TICs found: | 5 | | Co | ncentratior
(ug/L or ug | | |

| CAS Number | Compound Name | RT | Est. Conc. | Q |
|------------|---------------|-------|------------|---|
| 1. | UNKNOWN PAH | 6.69 | 2190 | J |
| 2. | UNKNOWN PAH | 7.99 | 2020 | J |
| 3. | UNKNOWN PAH | 8.91 | 1800 | J |
| 4. | UNKNOWN PAH | 12.07 | 1860 | J |
| 5. | UNKNOWN PAH | 12.49 | 4180 | J |
| 6. | | | | |
| 7. | | | | |
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Waste Stream Technology, Ir DEC List 8270 BNs in Soil EPA 8270

Site: 535 Washington St. Date Sampled: 12/18/03 Date Received: 12/22/03

Group Number: 2031-3287

Units: µg/Kg Matrix: Soil

WST ID: WT29606 Client ID: BH4 (4-6)

Extraction Date: 12/29/03 Date Analyzed: 12/29/03

| Compound | MQL | Result | QC Limits (%) | Qualifier |
|------------------------|-----|--------------|---------------|-----------|
| anthracene | 67 | Not detected | | U |
| fluorene | 67 | Not detected | | U |
| phenanthrene | 67 | Not detected | | U |
| pyrene | 67 | Not detected | | U |
| acenaphthene | 67 | Not detected | | U |
| benzo[a]anthracene | 67 | Not detected | | U |
| fluoranthene | 67 | Not detected | | U |
| benzo[b]fluoranthene | 67 | Not detected | | U |
| benzo[k]fluoranthene | 67 | Not detected | | U |
| benzo[a]pyrene | 67 | Not detected | | U |
| dibenzo[a,h]anthracene | 67 | Not detected | | U |
| benzo[g,h,i]perylene | 67 | Not detected | | U |
| indeno[1,2,3-cd]pyrene | 67 | Not detected | | U |
| naphthalene | 67 | Not detected | | U |
| chrysene | 67 | Not detected | | U |
| Nitrobenzene-d5 (%) | | 92 | 48-122 | |
| 2-Fluorobiphenyl (%) | | 91 | 50-121 | |
| Terphenyl-d14 (%) | | 100 | 36-134 | |



1F SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

| SAMPLE | NO. |
|--------|-----|
| | |
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| | |

| Lab Name: WASTE ST | TREAM TEC | HNOLOG | <u>Y</u> | Contract: | | |
|-------------------------|-----------|---------|---------------------|-----------------------------|-----------------|------------------|
| Project No.: LCS | | _ Sit | e: <u>535 WA</u> SH | Location: | BH4 4-6 | Group: 2031-328 |
| Matrix: (soil/water) | SOIL | | | | Lab Sample ID | : <u>WT29606</u> |
| Sample wt/vol: | 30.7 | _(g/mL) | <u>g</u> | | Lab File ID | : 0017636D |
| Level: (low/med) | LOW | | | | Date Received | :12/22/03 |
| % Moisture: 9.47 | | deca | anted: (Y/N)_ | N | Date Extracted | : 12/29/03 |
| Concentrated Extract Vo | lume: | 1 | (ML) | | Date Analyzed | : 12/29/03 |
| Injection Volume: | 1.0 | _ (uL) | | | Dilution Factor | : <u> </u> |
| GPC Cleanup: (Y/N) | N | | pH:_ | NA | | |
| Number TICs found: | 9 | | Co | oncentration
(ug/L or ug | | |

(ug/L or ug/Kg)

| CAS Number | Compound Name | RT | Est. Conc. | Q |
|------------|---------------------|-------|------------|---|
| 1. | UNKNOWN AMIDE | 8.33 | 898 | J |
| 2. | UNKNOWN AMIDE | 8.41 | 172 | J |
| 3. | UNKNOWN HYDROCARBON | 13.33 | 275 | J |
| 4. | UNKNOWN HYDROCARBON | 13.98 | 321 | J |
| 5. | UNKNOWN HYDROCARBON | 14.68 | 362 | J |
| 6. | UNKNOWN HYDROCARBON | 15.44 | 333 | J |
| 7. | UNKNOWN HYDROCARBON | 16.30 | 338 | J |
| 8. | UNKNOWN HYDROCARBON | 17.27 | 259 | J |
| 9. | UNKNOWN HYDROCARBON | 18.38 | 151 | Ĵ |
| 10. | | | | |
| 11. | | | | |
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Waste Stream Technology, In

DEC List 8270 BNs in Soil EPA 8270

Site: 535 Washington St. Date Sampled: 12/18/03 Date Received: 12/22/03

Group Number: 2031-3287

Units: µg/Kg Matrix: Soil

WST ID: WT29607 Client ID: BH6 (8-10) Extraction Date: 12/29/03

Extraction Date: 12/29/03 Date Analyzed: 12/30/03

| Compound | MQL | Result | QC Limits (%) | Qualifier |
|------------------------|-----|--------------|--|-----------|
| anthracene | 67 | Not detected | The second of th | U |
| fluorene | 67 | Not detected | | U |
| phenanthrene | 67 | 209 | | |
| pyrene | 67 | 236 | | |
| acenaphthene | 67 | Not detected | | U |
| benzo[a]anthracene | 67 | 129 | | |
| fluoranthene | 67 | 156 | | |
| benzo[b]fluoranthene | 67 | 208 | | |
| benzo[k]fluoranthene | 67 | 161 | | |
| benzo[a]pyrene | 67 | 166 | | |
| dibenzo[a,h]anthracene | 67 | Not detected | | U |
| benzo[g,h,i]perylene | 67 | 77 | | |
| indeno[1,2,3-cd]pyrene | 67 | Not detected | | U |
| naphthalene | 67 | Not detected | | U |
| chrysene | 67 | 146 | | |
| Nitrobenzene-d5 (%) | | 94 | 48-122 | |
| 2-Fluorobiphenyl (%) | | 92 | 50-121 | |
| Terphenyl-d14 (%) | | 133 | 36-134 | |



Waste Stream Technology, Ir DEC List 8270 BNs in Soil EPA 8270

Site: 535 Washington St. Date Sampled: 12/18/03 Date Received: 12/22/03

Group Number: 2031-3287

Units: µg/Kg Matrix: Soil

WST ID: WT29608 Client ID: BH11 (8-10)

Extraction Date: 12/29/03 Date Analyzed: 12/29/03

| Compound | MQL | Result | QC Limits (%) | Qualifier |
|------------------------|-----|--------------|---------------|-----------|
| anthracene | 670 | 1780 | | |
| fluorene | 670 | Not detected | | U |
| phenanthrene | 670 | 6930 | | |
| pyrene | 670 | 13900 | | |
| acenaphthene | 670 | Not detected | | U |
| benzo[a]anthracene | 670 | 9760 | | |
| fluoranthene | 670 | 14300 | | |
| benzo[b]fluoranthene | 670 | 8400 | | |
| benzo[k]fluoranthene | 670 | 12600 | | |
| benzo[a]pyrene | 670 | 10300 | | |
| dibenzo[a,h]anthracene | 670 | 2020 | | |
| benzo[g,h,i]perylene | 670 | 2600 | | |
| indeno[1,2,3-cd]pyrene | 670 | 3100 | | |
| naphthalene | 670 | Not detected | | U |
| chrysene | 670 | 9840 | | |
| Nitrobenzene-d5 (%) | | 99 | 48-122 | |
| 2-Fluorobiphenyl (%) | | 96 | 50-121 | |
| Terphenyl-d14 (%) | | 107 | 36-134 | |



1F SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

| SAMPLE NO. | |
|------------|--|
| | |
| | |

| Lab Name: WASTE | STREAM TECH | HNOLOGY | | Contract: | | |
|----------------------|--------------|----------|--------------------|-------------|-----------------|-----------------|
| Project No.: LCS | | Site | : <u>535 WA</u> SH | Location: | BH11 8-10 | Group: 2031-328 |
| Matrix: (soil/water) | SOIL | | | | Lab Sample ID: | WT29608 |
| Sample wt/vol: | 30.3 | _ (g/mL) | g | | Lab File ID: | 0017639D |
| Level: (low/med) | LOW | | | | Date Received | 12/22/03 |
| % Moisture: 12.1 | | decar | nted: (Y/N)_ | N | Date Extracted: | 12/29/03 |
| Concentrated Extract | Volume: | 1 | _(ML) | | Date Analyzed | 12/29/03 |
| Injection Volume: | <u>/ 1.0</u> | _ (uL) | | | Dilution Factor | 1.0 |
| GPC Cleanup: (Y/N) | N | | pH: | NA | | |
| | | | Co | ncentration | n Units: | |

Number TICs found: 20 (ug/L or ug/Kg) ug/Kg

| CAS Number | Compound Name | RT | Est. Conc. | Q |
|-----------------|----------------------------|-------|------------|---|
| 1. | UNKNOWN | 2.17 | 2440 | J |
| 2. | UNKNOWN HYDROCARBON | 2.64 | 4050 | J |
| 3. 000629-50-5 | TRIDECANE | 3.18 | 10000 | J |
| 4. | NAPHTHALENE, METHYL ISON | 3.47 | 3080 | J |
| 5. | UNKNOWN METHYL SUB. HYD | 3.61 | 3320 | J |
| 6. | NAPHTHALENE, DIMETHYL ISC | 4.08 | 8710 | J |
| 7. | NAPHTHALENE, TRIMETHYL IS | 4.64 | 2190 | J |
| 8. | NAPHTHALENE, TRIMETHYL I\$ | 4.78 | 1720 | J |
| 9. | HEXADECANE | 4.82 | 3510 | J |
| 10. | UNKNOWN METHYL SUB. HYD | 5.07 | 3420 | J |
| 11. 000629-78-7 | HEPTADECANE | 5.33 | 3180 | J |
| 12. | UNKNOWN METHYL SUB. HYD | 5.35 | 2510 | J |
| 13. | UNKNOWN LONG CHAIN HYD | 5.81 | 2080 | J |
| 14. | UNKNOWN HYDROCARBON | 5.85 | 1720 | J |
| 15. | UNKNOWN HYDROCARBON | 6.26 | 2390 | J |
| 16. | UNKNOWN | 6.69 | 2950 | J |
| 17. | 11H- BENZOFLUORENE ISOM | 7.98 | 1770 | J |
| 18. | UNKNOWN PAH | 11.32 | 1910 | J |
| 19. | UNKNOWN PAH | 12.04 | 2660 | J |
| 20. | UNKNOWN PAH | 12.48 | 4960 | J |
| 21. | | | | |
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1F SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

| | SAMPLE NO. | |
|---|------------|--|
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| Lab Name: WASTE ST | TREAM TEC | HNOLOG' | <u> </u> | Contract: | • | |
|-------------------------|-----------|---------|---------------------|--------------|----------------|--------------------|
| Project No.: LCS | | _ Sit | e: <u>535 WA</u> SH | Location: | BH6 8-10 | Group: 2031-328 |
| Matrix: (soil/water) | SOIL | | | | Lab Sample ID |): <u>WT29607</u> |
| Sample wt/vol: | 30.3 | _(g/mL) | <u>g</u> | | Lab File ID |): 0017642D |
| Level: (low/med) | LOW | _ | | | Date Received | i: <u>12/22/03</u> |
| % Moisture:7.84 | - | deca | inted: (Y/N)_ | N | Date Extracted | i: <u>12/29/03</u> |
| Concentrated Extract Vo | olume: | 1 | (ML) | | Date Analyzed | d: <u>12/30/03</u> |
| Injection Volume: | 1.0 | _ (uL) | | | Dilution Facto | r:1.0 |
| GPC Cleanup: (Y/N) | N | tiroto | pH: | NA | | |
| | | | Co | oncentration | n Units: | |

Number TICs found: 19 (ug/L or ug/Kg) ug/Kg

| CAS Number | Compound Name | RT | Est. Conc. | Q |
|-----------------|----------------------------|--------|------------|----|
| 1. | UNKNOWN HYDROCARBON | 3.18 | 702 | J |
| 2. | UNKNOWN METHYL SUB. HYD | 3.61 | 481 | J |
| 3. | UNKNOWN LONG CHAIN HYDI | ₹ 4.08 | 1300 | J |
| 4. 000629-62-9 | PENTADECANE | 4.29 | 683 | J |
| 5. | UNKNOWN LONG CHAIN HYDI | R 4.82 | 373 | J |
| 6. | UNKNOWN METHYL SUB. HYD | 5.07 | 638 | J |
| 7. 001921-70-6 | PENTADECANE, 2,6,10,14-TET | R 5.35 | 645 | J |
| 8. | UNKNOWN LONG CHAIN HYD | 5.80 | 301 | J. |
| 9. | UNKNOWN LONG CHAIN HYDF | ₹ 5.85 | 433 | J |
| 10. 000112-95-8 | EICOSANE | 6.68 | 412 | J |
| 11. | UNKNOWN LONG CHAIN HYDF | 7.91 | 360 | J |
| 12. | UNKNOWN LONG CHAIN HYDF | 8.36 | 402 | J |
| 13. | UNKNOWN LONG CHAIN HYD! | 8.86 | 419 | J |
| 14. | UNKNOWN LONG CHAIN HYDI | 9.42 | 410 | J |
| 15. | UNKNOWN | 10.09 | 437 | J |
| 16. | UNKNOWN LONG CHAIN HYD! | 10.89 | 370 | J |
| 17. | UNKNOWN LONG CHAIN HYDI | 11.87 | 843 | J |
| 18. | UNKNOWN LONG CHAIN HYD! | 13.34 | 586 | J |
| 19. | UNKNOWN LONG CHAIN HYD! | 13.99 | 431 | J |
| 20. | | | | |
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waste Stream Technology, In DEC List 8270 BNs in Water

DEC List 8270 BNs in Water SW-846 8270

Site: 535 Washington St. Date Sampled: 12/19/03 Date Received: 12/22/03

Group Number: 2031-3287

Units: µg/L Matrix: Aqueous

WST ID: WT29609 Client ID: TPMW1 Extraction Date: 12/23/03

Date Analyzed: 12/23/03

| Compound | MQL | Result | QC Limits (%) | Qualifier |
|------------------------|-----|--------------|--|-----------|
| anthracene | 2 | Not detected | THE RESIDENCE AND ADDRESS OF THE TAX AND ADDRESS OF THE PARTY OF THE TAX AND ADDRESS OF THE TAX ADDRESS | U |
| fluorene | 2 | Not detected | | U |
| phenanthrene | 2 | Not detected | | U |
| pyrene | 2 | Not detected | | U |
| acenaphthene | 2 | Not detected | | U |
| benzo[a]anthracene | 2 | Not detected | | U |
| fluoranthene | 2 | Not detected | | U |
| benzo[b]fluoranthene | 2 | Not detected | | U |
| benzo[k]fluoranthene | 2 | Not detected | | U |
| benzo[a]pyrene | 2 | Not detected | | U |
| dibenzo[a,h]anthracene | 2 . | Not detected | | U |
| benzo[g,h,i]perylene | 2 | Not detected | | U |
| indeno[1,2,3-cd]pyrene | 2 | Not detected | | U |
| naphthalene | 2 | Not detected | | U |
| chrysene | 2 | Not detected | | U |
| Nitrobenzene-d5 (%) | | 60 | 37-118 | |
| 2-Fluorobiphenyl (%) | | 60 | 40-119 | |
| Terphenyl-d14 (%) | | 61 | 44-121 | |



Waste Stream Technology, IDEC List 8270 BNs in Water

DEC List 8270 BNs in Water SW-846 8270

Site: 535 Washington St. Date Sampled: 12/19/03 Date Received: 12/22/03

Group Number: 2031-3287

Units: µg/L Matrix: Aqueous

WST ID: WT29611 Client ID: TPMW4 Extraction Date: 12/23/03 Date Analyzed: 12/23/03

| Compound | MQL | Result | QC Limits (%) | Qualifier |
|------------------------|-----|--------------|---------------|-----------|
| anthracene | 2 | Not detected | | U |
| fluorene | 2 | 4 | | |
| phenanthrene | 2 | 7 | | |
| pyrene | 2 | Not detected | | U |
| acenaphthene | 2 | 3 | | |
| benzo[a]anthracene | 2 | Not detected | | U |
| fluoranthene | 2 | Not detected | | U |
| benzo[b]fluoranthene | 2 | Not detected | | U |
| benzo[k]fluoranthene | 2 | Not detected | | U |
| benzo[a]pyrene | 2 | Not detected | | U |
| dibenzo[a,h]anthracene | 2 | Not detected | | U |
| benzo[g,h,i]perylene | 2 | Not detected | | U |
| indeno[1,2,3-cd]pyrene | 2 | Not detected | | U |
| naphthalene | 2 | 8 | | |
| chrysene | 2 | Not detected | | U |
| Nitrobenzene-d5 (%) | | 82 | 37-118 | |
| 2-Fluorobiphenyl (%) | | 81 | 40-119 | |
| Terphenyl-d14 (%) | | 80 | 44-121 | |



Waste Stream Technology, Ir. 8270 DEC BN List Method Blank

3550/8270

Site: 535 Washington St. Date Sampled: NA

Date Received: NA

Group Number: 2031-3287

Units: µg/Kg

WST ID: MB122903

Client ID: NA

Extraction Date: 12/29/03 Date Analyzed: 12/29/03

| Compound | MQL | Result | QC Limits (%) | Qualifier |
|------------------------|-----|--------------|---------------|-----------|
| Anthracene | 67 | Not detected | | U |
| Fluorene | 67 | Not detected | | U |
| Phenanthrene | 67 | Not detected | | U |
| Pyrene | 67 | Not detected | | U |
| Acenaphthene | 67 | Not detected | | U |
| Benzo[a]anthracene | 67 | Not detected | | U |
| Fluoranthene | 67 | Not detected | | U |
| Benzo[b]fluoranthene | 67 | Not detected | | U |
| Benzo[k]fluoranthene | 67 | Not detected | | U |
| Benzo[a]pyrene | 67 | Not detected | | U |
| Dibenzo[a,h]anthracene | 67 | Not detected | | U |
| benzo[g,h,i]perylene | 67 | Not detected | | U |
| Indeno[1,2,3-cd]pyrene | 67 | Not detected | | U |
| Naphthalene | 67 | Not detected | | U |
| Chrysene | 67 | Not detected | | U |
| Nitrobenzene-d5 (%) | | 94 | 48-122 | |
| 2-Fluorobiphenyl (%) | | 92 | 50-121 | |
| Terphenyl-d14 (%) | | 103 | 36-134 | |

Dilution Factor MB denotes Method Blank NA denotes Not Applicable



1F SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOLINDS

| | | TENTATIV | ELY IDENTIF | IED COMP | POUNDS | |
|-------------------------|----------|-------------|--------------------|-----------|-----------------|-----------------|
| Lab Name: WASTE ST | REAM TEC | HNOLOGY | | Contract: | | |
| Project No.: LCS | | _ Site | : <u>535 WA</u> SH | Location: | BH1 4-6 | Group: 2031-328 |
| Matrix: (soil/water) | SOIL | - | | | Lab Sample ID: | WT29604 |
| Sample wt/vol: | 30.0 | _(g/mL) | <u>g</u> | | Lab File ID: | 0017635D |
| Level: (low/med) | LOW | | | | Date Received | 12/22/03 |
| % Moisture: 9.7 | | decar | nted: (Y/N) | N | Date Extracted: | 12/29/03 |
| Concentrated Extract Vo | lume: | 1 | _(ML) | | Date Analyzed | 12/29/03 |

GPC Cleanup: (Y/N) N pH: NA

1.0 (uL)

Injection Volume:

Concentration Units:

Dilution Factor: 1.0

Number TICs found: 1 (ug/L or ug/Kg) ug/Kg

| CAS Number | Compound Name | RT | Est. Conc. | Q |
|------------|---------------|------|------------|---|
| 1. | UNKNOWN AMIDE | 8.32 | 432 | J |
| 2. | | | | |
| 3. | | | | |
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SAMPLE NO.

Waste Stream Technology, II

SVOC Water Method Blank SW-846 8270

Site: 535 Washington St. Date Sampled: NA

Date Received: NA

Group Number: 2031-3287

Units: µg/L

WST ID: MB122303

Client ID: NA

Extraction Date: 12/23/03 Date Analyzed: 12/23/03

| Compound | MQL | Result | QC Limits (%) | Qualifier |
|------------------------|-----|--------------|---------------|-----------|
| anthracene | 2 | Not detected | | U |
| fluorene | 2 | Not detected | | U |
| phenanthrene | 2 | Not detected | | U |
| pyrene | 2 . | Not detected | | U |
| acenaphthene | 2 | Not detected | | U |
| benzo[a]anthracene | 2 | Not detected | | U |
| fluoranthene | 2 | Not detected | | U |
| benzo[b]fluoranthene | 2 | Not detected | | U |
| benzo[k]fluoranthene | 2 | Not detected | | U |
| benzo[a]pyrene | 2 | Not detected | | U |
| dibenzo[a,h]anthracene | 2 | Not detected | | U |
| benzo[g,h,i]perylene | 2 | Not detected | | U |
| indeno[1,2,3-cd]pyrene | 2 | Not detected | | U |
| naphthalene | 2 | Not detected | | U |
| chrysene | 2 | Not detected | | U |
| Nitrobenzene-d5 (%) | | 81 | 37-118 | |
| 2-Fluorobiphenyl (%) | | 86 | 40-119 | |
| Terphenyl-d14 (%) | | 92 | 44-121 | |

Dilution Factor 1 MB denotes Method Blank NA denotes Not Applicable



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If ves please attach requirements | Is a QC Package_required: YES NO. 声言会 | | | _ | TYPE OF CONTAINER/ | COMMENTS: | | A | | | - | | | | | | |
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| WASTE STR | Waste Stream Technology Inc. | 716) 876-5290 • FAX (71 | | | _
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(716) | | | _ | | ATE SAN | | 13/18 | 13. W | 13/k | IN CI | 13/18 | 1249 | 13/15 | 13.//a | | | |
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CONTACT DOWN RENT
PH.#() 716-805-(145 | FAX #() 716~ 845 ~ (s) @ 4
BILL TO: (, , , , , , | #Oa | FO# 63 15 16 3. 3.3. PROJECT DESCRIPTION | 535 Lashing St. | SAMPLETED | 1 841 (4-6) | 2 (8h.3 (4-8) | 3 BHU (4-6) | 4 BW6 (8-10) | 5 BHE (8-10) | 6 70011/1 | 7 TPM23 | 8 TPW1 L1 | 6 | 10 | REMARKS: |

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| RELINQUISHED BY: | RELINQUISHED BY: |

WASTE STREAM TECHNOLOGY, INC.

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

Analytical Data Report

Report Date: 01/06/04 Group Number: 2031-3312

Prepared For:
Mr. Doug Reid
Lender Consulting Services, Inc.
232 Delaware Avenue
Suite 33
Buffalo, NY 14202
FAX: 716-845-6164

Site: 535 Washington St.

Analytical Parameters 8270 STARS Analytical Services Number of Samples

Turnaround Time
Standard

Report Released By:

Brian S. Schepart, Ph.D., Laboratory Director

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977



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Naste Stream Technology, Ir

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

Analytical Data Report

Group Number: 2031-3312

Site: 535 Washington St.

Field and Laboratory Information

| WST ID | Client ID | Matrix | Date Sampled | Date Received | Time |
|---------|-----------|---------|--------------|----------------------|-------|
| WT29694 | TPMW3 | Aqueous | 12/23/03 | 12/24/03 | 09:55 |



METHODOLOGIES

The specific methodologies employed in obtaining the analytical data reported are indicated on each of the result forms. The method numbers shown refer to the following U.S. Environmental Protection Agency Reference:

Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020, March 1979, Revised 1983, U.S. Environmental Monitoring and Support Laboratory, Cincinnati, Ohio 45268.

Federal Register, 40 CFR Part 136: Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act. Revised July 1992.

Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. Third Edition, Revised December 1996, U.S. EPA SW-846.

Annual Book of ASTM Standards, Volume II. ASTM, 100 Harbor Drive, West Conshohocken, PA 19428-2959.

Standard Methods for the Examination of Water and Wastewater. (20th Edition). American Public Health Association, 1105 18th Street, NW, Washington, D.C. 20036.

DETECTION LIMIT DEFINITIONS

MDL = Method Detection Limit. When reported, the MDL is the minimum concentration that can be measured and reported with 99 percent confidence that the concentration is greater than zero.

MQL = Method Quantitation Limit. The MQL is the minimum concentration that can be reliably reported. The MQL is equal to the concentration of the lowest standard used for the initial calibration of the instrument.

Reporting Limit = A reporting limit is the minimum concentration that can be measured and reported for analyses where initial calibration is not applicable. The reporting limit is based on the specifics of the analysis procedure.



ORGANIC DATA QUALIFIERS

- U Indicates compound was analyzed for but not detected at the stated MQL or Reporting Limit. If the MDL has been reported, U indicates that the compound was not detected at the MDL.
- J Indicates an estimated value. This flag is used to qualify the following: when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed; a compound is detected in the sample but the result is less than the method quantitation limit but greater than the statistically calculated laboratory method detection limit; the result for a compound is estimated due to the analysis of a sample beyond the USEPA defined holding time; the result for a compound is estimated due to a quality control sample result that is outside the laboratory quality control recovery limits.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- **B** This flag is used when the analyte is found in the associated blank as well as the sample.
- **E** This flag identifies all compounds whose concentrations exceed the calibration range of the GC/MS instrument of that specific analysis.
- **D** This flag identifies all compounds identified in an analysis at a secondary dilution factor.
- **G** Matrix spike recovery is greater than the expected upper limit of analytical performance.
- **L** Matrix spike recovery is less than the expected lower limit of analytical performance.
- # Indicates that a surrogate recovery was found to be outside the expected limits of analytical performance.
- **\$ -** Indicates that the surrogate compound was diluted out. The sample had to be diluted to obtain analytical results and a recovery could not be calculated.
- (%) Indicates that the compound is a surrogate and that the value reported for this compound is in percent recovery. The quality control recovery limits are indicated in the detection limit or QC limits column.



Vaste Stream Technology, In DEC List 8270 BNs in Water SW-846 8270

Site: 535 Washington St. Date Sampled: 12/23/03 Date Received: 12/24/03

Group Number: 2031-3312

Units: µg/L Matrix: Aqueous

WST ID: WT29694 Client ID: TPMW3 Extraction Date: 12/29/03 Date Analyzed: 12/29/03

| Compound | MQL | Result | QC Limits (%) | Qualifier |
|------------------------|-----|--------------|--|-----------|
| anthracene | 2 | Not detected | en en entre al entre de la company e en e | U |
| fluorene | 2 | Not detected | | U |
| phenanthrene | 2 | Not detected | | U |
| pyrene | 2 | Not detected | | U |
| acenaphthene | 2 | Not detected | | U |
| benzo[a]anthracene | 2 | Not detected | | U |
| fluoranthene | 2 | Not detected | | U |
| benzo[b]fluoranthene | 2 | Not detected | | U |
| benzo[k]fluoranthene | 2 | Not detected | | U |
| benzo[a]pyrene | 2 | Not detected | | U |
| dibenzo[a,h]anthracene | 2 | Not detected | | U |
| benzo[g,h,i]perylene | 2 | Not detected | | U |
| indeno[1,2,3-cd]pyrene | 2 | Not detected | | U |
| naphthalene | 2 | Not detected | | U |
| chrysene | 2 | Not detected | | U |
| Nitrobenzene-d5 (%) | | 79 | 37-118 | |
| 2-Fluorobiphenyl (%) | | 79 | 40-119 | |
| Terphenyl-d14 (%) | | 87 | 44-121 | |



Vaste Stream Technology, In

SVOC Water Method Blank SW-846 8270

Site: 535 Washington St. Date Sampled: NA

Date Received: NA

Group Number: 2031-3312

Units: µg/L

WST ID: MB122903

Client ID: NA

Extraction Date: 12/29/03 Date Analyzed: 12/29/03

| Compound | MQL | Result | QC Limits (%) | Qualifier |
|------------------------|-----|--------------|---------------|-----------|
| anthracene | 2 | Not detected | | U |
| fluorene | 2 | Not detected | | U |
| phenanthrene | 2 | Not detected | | U |
| pyrene | 2 | Not detected | | U |
| acenaphthene | 2 | Not detected | | U |
| oenzo[a]anthracene | 2 | Not detected | | U |
| fluoranthene | 2 | Not detected | | U |
| penzo[b]fluoranthene | 2 | Not detected | | U |
| penzo[k]fluoranthene | 2 | Not detected | | U |
| penzo[a]pyrene | 2 | Not detected | | U |
| dibenzo[a,h]anthracene | 2 | Not detected | | U |
| penzo[g,h,i]perylene | 2 | Not detected | | U |
| ndeno[1,2,3-cd]pyrene | 2 | Not detected | | U |
| naphthalene | 2 | Not detected | | U |
| chrysene | 2 | Not detected | | U |
| Nitrobenzene-d5 (%) | | 86 | 37-118 | |
| 2-Fluorobiphenyl (%) | | 91 | 40-119 | |
| Terphenyl-d14 (%) | | 107 | 44-121 | |

Dilution Factor MB denotes Method Blank NA denotes Not Applicable



| | | ARE SPECIAL DETECTION LIMITS | YES (10 57) | Is a QC Package required: | מופות בות לחומו של היים ביים ביים ביים ביים ביים ביים ביים | | | AINER/ ONLY ONLY ONLY ONLY | 4676227 | | | | | | | | | |
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| WASTEST | TECHNO | Waste Stream Technology Inc.
302 Grote Street, Buffalo, NY 14207 | (716) 876-5290 • FAX (716) 876-2412 | | | | AMPLED SAMPLIN | SAMPLE OF | 12/23 (SW 1 | | | | | | | | | |
| CHAIN OF CUSTODY | , REPORT TO: 165 | 232 Delavare Ave. | 5 to 14633 | CONTACT + Calc NY 14303
PH. # () 716 - 845-6145 | BILL TO: LCS | PO# | PROJECT DESCRIPTION | SAMPLER SIGNATURE 19 ST. | | 9 | 4 | 2 | . 9 | 2 | 80 | 6 | 10 | REMARKS: |

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LIMITATIONS



This environmental study is limited by the scope of services contained within this report and time frames specified within the contract for services agreed to by you dated December 16, 2003. The scope of services was based on the results of the LCS Project # 03B1887.21 ASTM E1527-00 Phase I Environmental Site Assessment report dated November 21, 2003.

This environmental study makes no warranties nor implies any liability regarding:

- 1. Any impacted media located beneath the on-site structure(s).
- Any chemical analytes not included within the analytical test methods employed during this study.
- 3. Any impacted media present from off-site sources.
- 4. Any impacted groundwater either on-site or off-site.
- 5. Any impact at locations and depths not assessed in this study.
- 6. Any impact at locations where access was limited.
- 7. Any subsurface structures, tanks, etc. not discovered by the current and previous study.

Conclusions and/or recommendations made within the study are based on the interpretation of data collected at individual sample locations and may change if additional data is collected during future study. Conditions between sampling locations are estimated based on available data. Intrusive studies serve to reduce, but not eliminate, the potential environmental risk associated with a property. No study is considered all-inclusive or representative of the entire subject property. Such would be cost prohibitive.

