



MARK V. LIPUMA Chief Executive Officer

P.O. Box 406
Buffalo, NY 14205
E-mail-milipuma@lenderconsulting.com

716-845-6145 1-800-474-6802 Fax -716-845-6164

July 19, 2004

Ms. Diane DeCamilla M&T Bank 4925 Main Street Amherst, NY 14226

Re:

Supplemental Subsurface Soll and Groundwater Investigation

Vacant Commercial Property 2530 Hamburg Turnpike Lackawanna, New York LCS Project #04B193.22 NYSDEC Spill No. 04-75033

Dear Ms. DeCamilla:

At your request, Lender Consulting Services, Inc. (LCS) performed a supplemental subsurface soil and groundwater investigation at 2530 Hamburg Turnpike, Lackawanna, New York (See Figure 1). This investigation was recommended based on the information summarized in LCS' Phase II Environmental Site Assessment report dated April 28, 2004. Through that study, LCS identified volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) in on-site soils above applicable New York State Department of Environmental Conservation (NYSDEC) guidance values. That impact was noted proximate to the historic on-site underground storage tank (UST) field associated with a historic gasoline station on-site as identified during LCS' Transaction Screen Environmental Site Assessment report dated February 18, 2004.

Due to the discovery of petroleum-impacted soils on-site, as required by law, the NYSDEC was notified and spill number 04-75033 was assigned to the site. Mr. Michael Franks of the NYSDEC of the NYSDEC was assigned to this spill.

In a letter dated May 19, 2004, the NYSDEC requested further investigation to delineate contaminated soils and groundwater. Prior to the start of the investigation, LCS provided the anticipated scope of work to the NYSDEC. Mr. Michael Franks subsequently approved of LCS' scope of work.

The purpose of this study was to better determine the extent of previously identified petroleum-impacted soil on-site and to assess the shallow groundwater for impact. Soil samples were also collected for stratigraphic characterization and field monitoring. All soil and groundwater samples submitted to the laboratory were analyzed for VOCs. Select soil and groundwater samples were analyzed for SVOCs as determined by the NYSDEC.

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



Ms. Diane DeCamilla - Page 2 July 19, 2004

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

Methods of Investigation

Soil Investigation

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. Boreholes BH9 through BH15 were completed on June 1, 2004; BH16 through BH22 were completed on June 2, 2004. (See Figure 2). Soil samples were generally collected within each borehole continuously from the ground surface until the target depth of approximately 16 feet below the ground surface (ft. bgs) was reached or equipment refusal was encountered.

LCS personnel examined each of the samples collected for characterization of the surficial geology in the area of the investigation. Where applicable, another new sampling device was inserted in the borehole and advanced to the next desired depth, retracted, and another sample retrieved. Any down-hole 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). (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 wells TPMW1-TPMW11 were installed within test borings BH9 trough BH17, BH19 and BH20, respectively. Generally, the bottoms of the wells were set to approximately 15 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 and extended to the ground surface. The wells were covered with plastic caps. Refer to the attached well construction diagrams for specific well construction details.

The groundwater samples were collected on June 2, 2004 and June 3, 2004. Prior to sample collection, each well was developed by removing three to five well volumes of water from the well. New disposable dedicated PVC ballers were used for well development and sample collection activities. During well development, LCS visually inspected for the presence of free-phase petroleum product.



Ms. Diane DeCamilla - Page 3 July 19, 2004

Sample Analysis

Following labeling of the laboratory-supplied sample containers, selected soils were 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) for VOCs and 8270 (STARS List) for SVOCs). Soil samples were also analyzed for Tentatively Identified Compounds (TICs).

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

Sample Location	Analytical Testing Performed
Soil	
BH9 (14-16 ft. bgs)	8260 STARS List + 10 TICs
BH10 (8-10 ft, bgs)	8260 STARS List + 10 TICs / 8270 STARS List + 20 TICs
BH11 (8-10 ft. bgs)	8260 STARS List + 10 TICs
BH12 (4-6 ft. bgs)	8260 STARS List + 10 TICs
BH13 (6-8 ft. bgs)	8260 STARS List + 10 TICs
BH14 (8-10 ft. bgs)	B260 STARS List + 10 TICs
BH15 (4-6 ft. bgs)	B260 STARS List + 10 TICs
BH17 (15-15.75 ft. bgs)	8260 STARS List + 10 TICs
BH18 (6-8 ft. bgs)	8260 STARS List + 10 TICs
BH19 (12-14 ft. bgs)	8260 STARS List + 10 TICs
Groundwater	
TPMW1	8260 STARS / 8270 STARS
TPMW2	8260 STARS
TPMW3	8260 STARS
TPMW4	8260 STARS
TPMW5	8260 STARS :
TPMW6	8260 STARS
TPMW7	8260 STARS
TPMW8	. 8260 STARS
TPMW9	8260 STARS
TPMW10	8260 STARS / 8270 STARS
TPMW11	8260 STARS



Ms, Diane DeCamilla - Page 5 July 19, 2004

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

0011 - 0100 A	Harysis by OZI	O O I AILO IISC	20 1100
Compound	BH10 (8-10 ft. bgs) μg/kg	STARS Memo #1 Guldance Values µg/kg	NYSDEC Guidance Value µg/kg
Total Estimated TICs	1,200 J	NA	500,000**

μg/kg = micrograms per kilogram

NYSDEC Guidence Values = Division Technical and Administrative Guidence Memorandum No. 4046 (TAGM 4046):
Determinetion of Soil Cleanup Objectives and Cleanup levels and addendum (August, 2001).

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

J = This value is estimated. NA = Not Applicable

Groundwater - SVOC Analysis by (8270 STARS list)

Compound	TPMW1 μg/L	TPMW10 μg/L	NYSDEC Groundwater Standard µg/L
Phenanthrene	<2		50

µg/L = mlcrogrems per liter

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

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

Discussion

Waste Stream Technology, Inc. provided the following comments regarding the analysis they performed on the above listed soil and groundwater samples.

"Upon examination of the analysis and samples... it is obvious that certain samples could well be contaminated with petroleum product but are not amenable to analysis by conventional New York State DEC STARS methodology.

Samples of particular concern are sample TPMW10 and TPMW1. Sample TPMW10 has both visible floating free (petroleum?) product and (petroleum?) product stuck to the sides of the volatile vial. The chromatograms for both samples have raised baselines that are indicative of probable petroleum impact. Unfortunately the raised baseline of the chromatogram indicates possible detector saturation and possible false negatives for target compounds. There for I (Waste Stream Technology, Inc.) would recommend sample TPMW10 be analyzed for Total Extractable Hydrocarbons and Diesel Range Organics. Upon further study of the chromatograms and tentatively identified compounds I (Waste Stream Technology, Inc.) believe the following samples suspect [for] petroleum impact of non-target compound nature: BH10 (8-10), BH11 (8-10), BH14 (8-10), BH18 (6-8), BH19 (12-14)."



Ms. Diane DeCamilia - Page 6 July 19, 2004

Conclusion

Based on the field observations and analytical results of this investigation and comments discussed above by the laboratory, the extent of impacted soil and groundwater on-site has been approximated (see Figure 2). The extent of impact (if any) off-site is unknown at this time. This study is subject to the limitations located within the appendix.

Recommendations

A copy of this report should be provided to the NYSDEC for their review. The NYSDEC should be consulted to determine the extent of any further investigation or remedial work that they will require. LCS can provide a cost estimate for completion of any additional work required.

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.

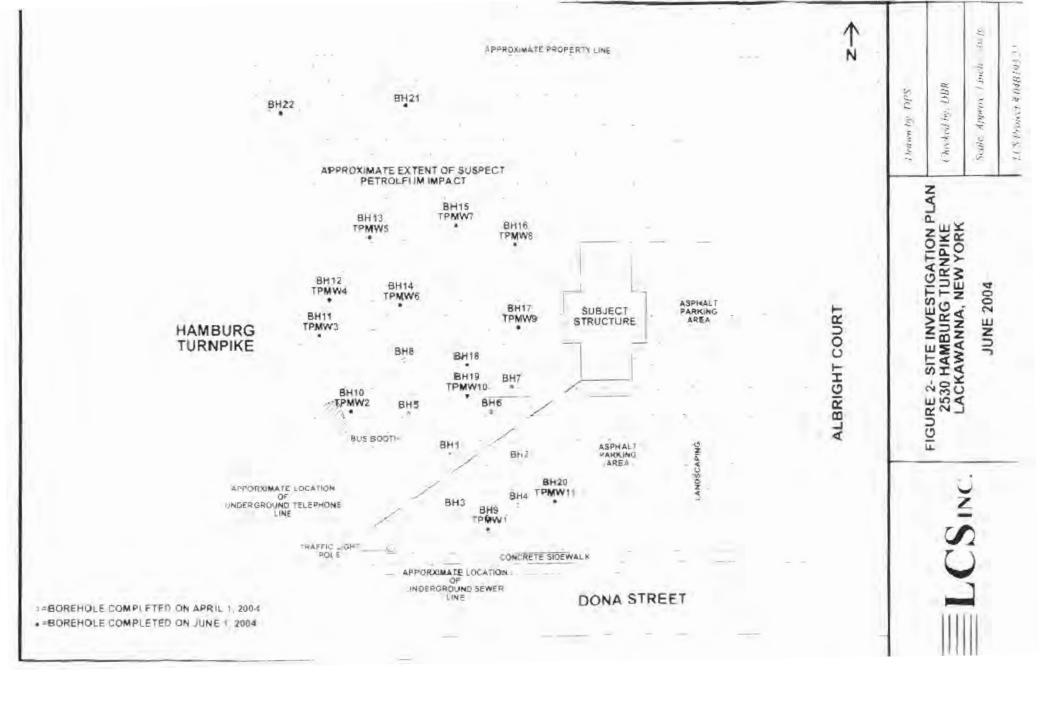
Sincerely,

Jeffrey M. Rowley Geologist Reviewed by:

Douglas B. Reid

VP, Environmental Services Environmental Scientist

Attachments



IO TICs)
list+10
STARS
/ 8260 (S
vsis by
Anal
- 400
Soil

				- VOC - II	Alidiyala by 0200 (31 ANS 11317 10	0200 (31)	Dell Cult	(5)				
	9H9	BH10	BH11	BH12	BH13	BH14	BH15	BH17	BH18	BH19	STARS Memo	NYSDEC
((14-16 ft.	(8-10 ft.	(8-10 ft.	4 4 7	6-8 ft.	(8-10 ft.	(4-6 ft.	(15-15.75 ft.	(6-8 ft	(12-14 ft.	#1 Guidance	Guidance
Compound	(saq	(sōq	(sbq	pds)	bgs)	(sbq	(sbq	(sbq	(sbq	(sbq	Values	Value
	µg/kg	ng/kg	ng/kg	ug/kg	μg/kg	ug/kg	ng/kg	ng/kg	ng/kg	па/ка	ug/kg	ug/kg
benzene	12	4	17	ر د	8>	<10	<10	<10	ଙ	35	14	60 or MDL
toluene	6>	34	39	01v	87	<10	<10	<10	6	21	100	1,500
ethylbenzene	17	525	868	۰. م	8	20	<10	01×	11	237	100	5,500
m,p-xylene	51	323	336	65 50	<17	<20 <20	\$50 \$30	<20	<17	201	100	1,200*
o-xylene	6>	16	46	410	80	410	c10	×10	б	23	100	1,200*
isopropylbenzene	30	74	166	410	ψ	52	د <u>۱</u> 0	ot>	125	151	100	2,300
n-propylbenzene	62	176	308	c10	8	129	<10	<10	268	257	100	3,700
1.3.5-trimethylbenzene	49	167	291	55	8	109	<10	×10	6>	61	100	3,300
terf-butvibenzene	8	8	01×	940	8	<10	<10	<10	Ş	oL>	100	10,000
1.2.4-trimethylbenzene	137	19	93	95	87	<10	95	12	6	218	100	10,000
sec-butylbenzene	o V	18	41	410	87	28	c10	<10	119	41	100	10,000**
n-butylbenzene	28	79	162	۷ <u>۰</u>	ψ	76	×10	ot>	238	103	100	10,000
o-isopropyltoluane	Ŷ	42	42	م ر 10	88	19	<10	<10	44	<10	100	10,000**
naphthalene	12	228	413	410	γ̈́	86	د <u>۲</u> 0	ot>	6>	17	200	13,000
TICS	2.160 J	7,850 J	SAN ZONE	513 J	130 J	4-191918-Yes	86.3	112 J	8,010 J		NA	10,000
			NAME OF TAXABLE PARTY OF TAXABLE PARTY.									

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. * As per TAGM 4046 individual and sum of VOCs not listed (tentatively identified compounds (TICs)) must be

< = Analyte was not detected at the detection level indicated. less than or equal to 10,000 µg/kg.

NA = Not Applicable

MDL = Method Detection Limit

Bold = Analyte detected above STARS Memo #1 Guidance Values = Analyte detected above NYSDEC TAGM 4046-94 (Revised August 2001) Recommended Soil Cleanup Objectives.

			Č	undwate	r - VOC A	Groundwater - VOC Analysis by 8260 (STARS list)	, 8260 (ST	ARS list)				
Per constant	TPMW1 µg/L	TPMW2 µg/L	TPMW3	TPMW4 µg/L	TPMW5 µg/L)	TPMW6 µg/L	TPMW7 µg/L	TPMW8 µg/L	π _{β/L}	TPMW10 µg/L	TPMW11 µg/L	NYSDEC Groundwater Standard
Nipodilio >						, .,					,	ng/L
	S. A. S.	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TRANSPO		۷	₽	۷	Ý	₹	٧		V	-
penzene				V	V	۷	V	₹	۷.		V	٥
toluene				V	V	v	₹	V	\ \ \		٧	5
ethylbenzene		2	8 8 8		0	Ŷ	₽	Ø	42		٧	اء
m,p-xylene			j	, ,	į	v	v	٧	٧		v	2
o-xylene	8			,	7		V	٧	٧		۷,	3
sopropylbenzene				7	7		V	٧	۷		۷.	3
n-propylbanzene	A CONTRACTOR			7	7	V	V	۷	⊽		ř	5
1,3,5-trimethylbenzene	10 mm			7	7 1	V	V	₹	V	<10	۷	יומו
tert-butylbenzene	5	0 L >	015	7 3	V	V	⊽	\ V	ķ		٧	c l
1,2,4-trimethylbenzene							V	۷	٧	<10	۷	o
sec-butylbenzene		×10	015	V		V	V	V	٧	<10	٧	Ω.
p-isopropyltoluene		~10	C10	7	7 1	7	V	V	₽		٧	5
n-butylbertzene	0			,	7 1	6	۷	V	V	··· <10	٧	20
nanhthalene	4	2 2 2		ĵ	<u>-</u>	ì						

yg/L = micrograms per liter
NYSDEC Groundwater Standards = 6NYCRR Part 703, June 1998.
■ Analyte detected at a concentration above NYSDEC Class GA Groundwater standards.

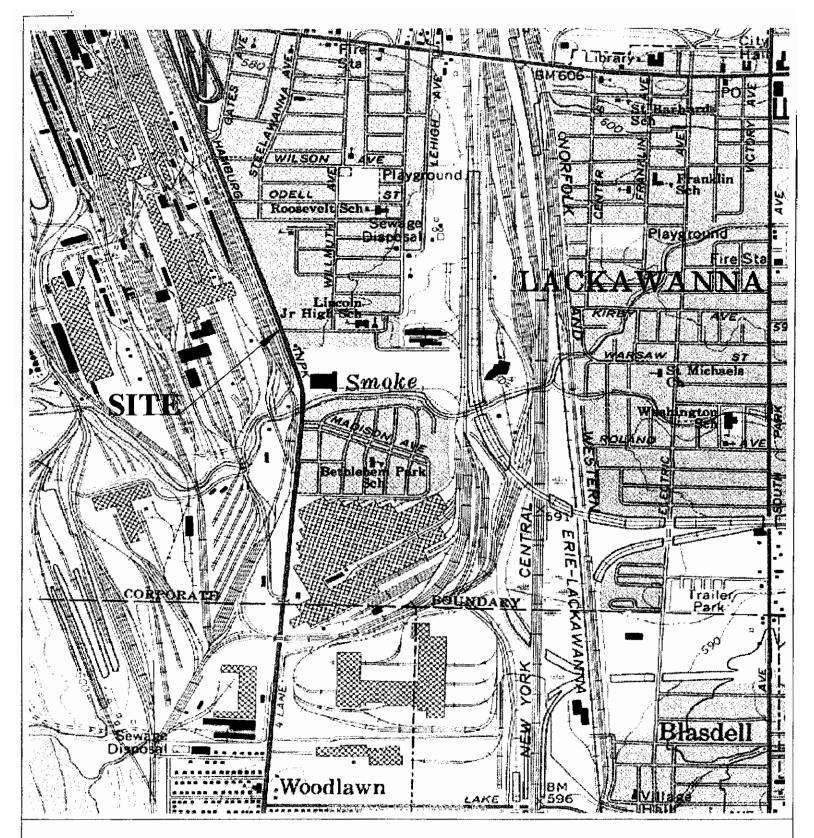
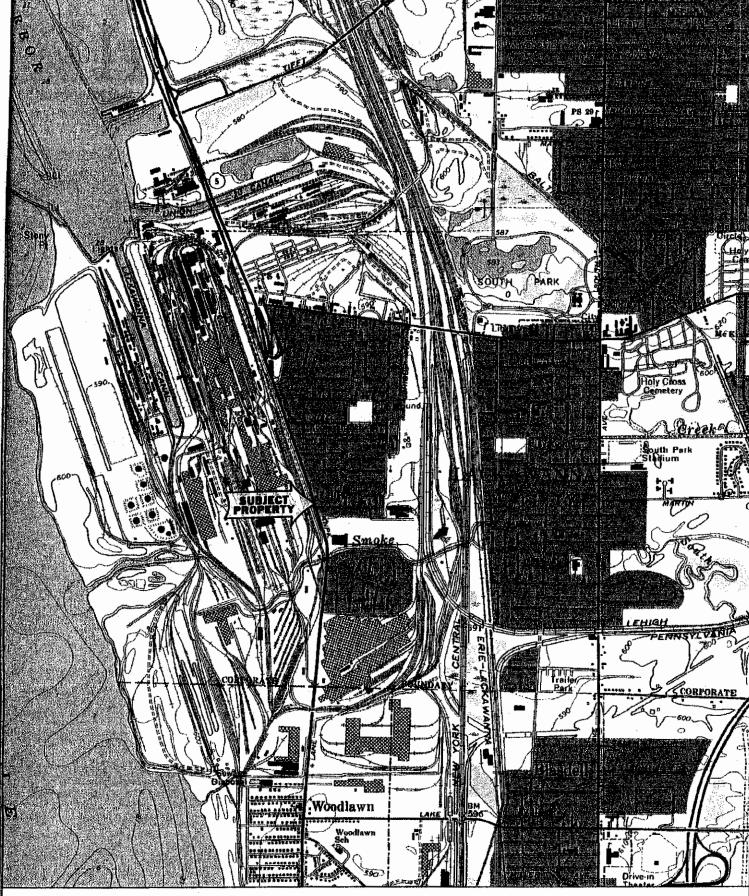




Figure 1- Site Location Map 2530 Hamburg Turnpike Lackawanna, New York LCS Project No. 04B193.26



SITE LOCATION MAP



Name: BUFFALO SE Date: 6/30/2004 Scale: 1 inch equals 2000 feet

Location: 042° 49' 11.0" N 078° 50' 30.0" W Caption: Figure 1: Site Location Map



SUBSURFACE INVESTIGATION MAP



ELCS Inc.

PROJEC	CT/ LOCATION	ON:	2530	Hamburg Tun	npike, La	ackawanna, N	lew York	PROJECT	No	04B193.22	2
CLIENT				M&T Ba	enk			WELL/BOR	ING No.	вн9/ТРМ	IW1
DATE S	TARTED:	6/0	2/04	DATE COM	MPLETE	D:	6/03/04	RECORDE	DBY:	JMR	
GROUN	DWATER D	EPTH W	IILE DR	ILLING:	~8	ft. bgs	AFTER COM	PLETION:	44-14-1	~8 ft. bgs	
WEATH	ER:	-70F, Sun	ny	DRILL RIG:	G	Beoprobe	DRILLER:		BMS D	rilling	
DRILL S	IZE/TYPE:		Macr	o-core	_ SAMI	PLE HAMME	R: WEIGHT	NA	FALL _	NA	
2											
Sample Ņo.	PID/HNu Reading (ppm)	Depth (Feet)	Туре	Blows/6"	N	Recovery (Inches)	ł	Material Class Soil Classification		Description wat Manual Met	hod)
1	1.1	0-2	U	-	-	12	0-0.4ft: Asphal	t			
				-							
2	22.6	2-4	U	-	_	12	0.4-2ft: Blacks	andy gravel (s	lag) (coarse, a	ingular, loose, n	noist)
3	53.4	4-6	U		-	20	2-6.5ft: Gray si	ilty sand (fine, i	medium dense	a, moist)	
4	75.2	6-8	υ	-	-	20	6.5-10ft; Gray	sandy silt (low	plasticity, mois	st to wet)	
5	7.8	8-10	U			20	10-13ft: Gray o	layey siit (low j	plasticity, mois	it)	
6	27.4	10-12	U	<u>, , , , , , , , , , , , , , , , , , , </u>	-	20	13-16ft: Gray g	ravelly sandy s	silt (low plastic	Ity, wet)	
7	59.6	12-14	U	_	-	20					
8	151	14-16	U	· -	-	20					
								. •			
						·····					
NOTES	NA = Not Ap	below grou				S	ill to ~16 ft. bgs			ft bgs	
		^SS - SF	LH-SPC	OON SAMPLE	u - UNI	DISTURBED T	UBE P-PIST	ON TUBE	C CORE		1

THE PERSON NAMED OF	•		N	T	
A SCHOOL SEED SHAPE THE		•	' .	_	
AND DESCRIPTION OF	•				
	•	∕•			

										The state of the s
PROJE	CT/ LOCATI	ON:	2530	Hamburg Turi	npike, L	ackawanna, N	lew York	PROJECT	No	04B193.22
CLIENT	·			M&T Ba	ank			WELL/BOR	ING No.	BH10/TPMW2
DATE S	TARTED:	6/0	2/04	DATE CO	MPLETE	:D:	6/03/04	RECORDE	DBY:	JMR .
GROUN	DWATER D	EPTH W	IILE DR	ILLING:		NA .	AFTER COM	PLETION:		~9 ft. bgs
WEATH	ER:	-70F, Sur	ıny	DRILL RIG:	G	Seoprobe	DRILLER:		BMS D	rilling
DRILL S	IZE/TYPE:		Macr	o-core	SAM	PLE HAMME	R: WEIGHT	NA	FALL	NA
		·			-					
Sample No.	PID/HNu Reading	Depth (Feet)	Туре	Blows/6"	N	Recovery	1	Material Class		Description sual Manual Method)
1	(ppm) 3.3	0-4	U	_		12	0-0.4ft: Brown	eithy sand (fine	medium den	se moist)
	3.3	0:4	<u> </u>			12	0-0.41L BIOWI	Sity Saila (III)	, modium oci,	oo, moisty
2	703	4-6	U	-	-	20	0.4-4.5ft: Brow	n gravelly san	d (slag) (coars	e, medium, fine, medium
3	902	6-8	U		<u> </u>	20	1 ' '	ravally gand /r	ed brick) (coar	se, medium, fine, dense,
3	902	0-0	<u> </u>				moist)	raveny sano (r	ed blick) (coa)	ao, mediani, imo, dense,
4	1,517	8-10	U		-	20	6-16ft: Graysa	ndy silt (no pla	esticity, moist)	
5	1,146	10-12	U	-	<u> </u>	20				
6	492	12-14	Ų	-	-	20	. »			
7	147	14-16	U			20				
i										
								2.00		
·					• • • • • • • • • • • • • • • • • • • •					
							,			
			٠.							
										·
				<u> </u>						
	<u> </u>	matakan kamada a , a ka a sa sa								
NOTES	NA ≈ Not Ap						ill to ~18 ft. bgs			
	ft. bgs = feet	below grou	und surfa	ce			Strong petroleum-	type odors det	ected @ -4-10	6 ft. bgs
		*SS - SI	PLIT-SPC	OON SAMPLE	U - UN	DISTURBED T	UBE P-PIST	ON TUBE	C-CORE	

AND DESCRIPTION OF THE PARTY OF	•	α	T
COLUMN TRANSPORT			700
ANCHERMANIANA			1 114
		/	4 4 4 4

PROJEC	CT/ LOCATI	ON:	2530	Hamburg Tur	npike, La	ackawanna, N	lew York	PROJECT No	04B193.22
CLIENT:				M&T B	ank			WELL/BORING No.	
DATE \$	TARTED:	6/0	2/04	DATE COI	MPLETE	D:	6/03/04	RECORDED BY:	JMR 🔻
GROUN	DWATER D	EPTH W	HILE DR	RILLING:	~1	7 ft. bgs	AFTER COM	PLETION:	~9 ft. bgs
WEATH	ER:	~70F, Sun	ny	DRILL RIG:		Seoprobe	DRILLER:	BMS	Drilling
DRILL S	IZE/TYPE:		Macr	o-core	SAM	PLE HAMME	R: WEIGHT	NA FALL	NA NA
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type	Blows/6"	Ň	Recovery (Inches)	(Unified S	Material Classification and Soil Classification System-V	*
1	4.1	0-4	U			10	0-0.5ft: Brown	sitty sand (coarse, medium	ı, fine, medium dense,
			ļ		<u> </u>		moist)		
2	504	4-8	U		ļ. <u>-</u> -	12	0.5-4ft: Brown	sandy gravel (coarse, angu	ular, loose, moist)
3	1,179	6-8	U	-		12	4-12ft: Gray sa	andy silt (low plasticity, mol	st)
4	1,428	8-10	U	_	-	20	12-17ft: Gray ը	gravelly sandy silt (low plas	ticity, moist to wet)
5	579	10-12	U	-	-	20	Refusal @ ~17	ft. bgs	
6	635	12-14	U	•	-	20	, **		
7	279	14-16	U	<u>-</u>	-	20			4.
8	909	16-17	U		-	10			:
NOTES	NA = Not Ap		und surfa	се			Fill to ~16 ft. bgs Strong petroleum-	type odor detected @ ~4-1	7 ft. bgs
		*SS - SI	PLIT-SPO	OON SAMPLE	U – UN	IDISTURBED 1	TUBE P - PIS	TON TUBE C - CORE	

STATE OF THE PARTY.	\blacksquare	α	T
#1000			ma
AND DESCRIPTION OF THE PARTY OF	•		

PROJEC	CT/ LOCATI	ON:	2530	Hamburg Tur	npike, L	ackawanna, I	New York	PROJECT No.	04B193.22		
CLIENT:				M&T B	ank			WELL/BORING No.	BH12/TPMW4		
DATE S	TARTED:	6/0	2/04	DATE CO	MPLETE	D:	6/03/04	RECORDED BY:	JMR		
GROUN	DWATER D	EPTH WI	ILE DE	RILLING:	~11 ft. bgs AFTER COM		_ AFTER COM	IPLETION:	~9 ft. bgs		
WEATH	ER:	-70F, Sur	iny	DRILL RIG:		eoprobe	DRILLER:	BMS	Drilling		
DRILL S	IZE/TYPE:		Macr	o-core	_ SAM	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	1.5	0-2	U			10	0-0.4ft: Brown silty sand (fine, medium dense, moist)				
2	6.0	2-4	U		-	10	0.4-4ft: Gray (gravelly sand (coarse, medio	ım, fine, dense, moist)		
3	3.8	4-6	Ų			20	4-7ft: Gray sa	ndy silty clay (moderate pla	sticity, soft, moist)		
			ļ								
4.	4.2	6-8	U	-		20	7-10ft: Gray si	ilty clay (high plasticity, soft,	moist)		
		·	ļ	****	1		<u> </u>				
5	2.7	8-10	U		-	20	7	n gravelly silty sand (coarse	medium, fine, dense,		
6	1.9	10-12	. U	-	-	20	wet) 12-15ft: Gray	silty clay (high plasticity, ver	y soft, wel)		
							1				
7	1.7	12-15	U	-	-	20	Refusal @ ~15	π. bgs			
							1				
							1				
]				
								÷			
							<u> </u>				
							ļ				
NOTES	NA = Not Ap	nlicable					Fill to ~15 ft. bgs				
	ft. bgs = feet		und surfa	се			No petroleum-typ	e odors detected			
	,	*SS - S	PLIT-SP	OON SAMPLE	U – UN	DISTURBED		STON TUBE C - CORE			

SHOW SHOW SHOW	~	α	▼	
AND SECTION SE				
ENDANGED HOUSE	•		Inc	
		14		

PROJE	CT/ LOCATI	ION:	2530	0 Hamburg Тип	npike, L	ackawanna, N	lew York	PROJECT No).	04B193.22
CLIENT: M&T Bank					ank			- Well/Borin	IG No.	BH13/TPMW5
DATE S	STARTED:	6/0	02/04	DATE COI	MPLETE	ED:	6/03/04	RECORDED	BY:	JMR
GROUN	IDWATER C	DEPTH WI	HILE DF	 Rilling:	~1	1 ft. bgs	AFTER COM	IPLETION:		~8 ft. bgs.
WEAŢH	IER:	~70F, Sur	nny	DRILL RIG:		3eoprobe	_ DRILLER:		BMS	Drilling
DRILL S	SIZE/TYPE:		Macı	ro-core	SAM	IPLE HAMMEI	R; WEIGHT	NA	_ FALL	NA NA
	T	T	T	T	T	1		AND COMMON MARKET BUILDING TO SERVICE STREET		
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type	Blows/6"	N	Recovery (Inches)	(Unified \$	Material Classific		Description Isual Manual Method)
1	6.5	0-4	U	-	-	10	0-0.4ft: Brown	sifty sand (fine, n	nedium de	nse, moist)
2	2.6	4-6	U	-		20	0.4-4ft: Gray g	ravelly sand (coa	ırse, mediu	ım, fine, dense, moist)
							_			
3	3.5	6-8	U	-	-	20	4-7ft: Gray sar	ndy silty clay (mod	derate plas	sticity, soft, moist)
4	12	0.40	 		ļl	20		" " " " " " " " " " " " " " " " " " "		
4	4.2	8-10	U	-	-	20	7-10π: Gray s	lity clay (high plas	ticity, son,	moist)
5	2.8	10-12	U	_		20	10-12ft: Brown	oravelly silty san	nd (coarse,	medium, fine, dense,
					+		wet)	giaran, and	. (The state of the s
6	1.0	12-15.5	U		-	20	12-15,5ft: Gray	y silty clay (high pi	lasticity, ve	ery soft, wet)
		· ·					*			
	 			 			Refusal @ ~15.	.5 ft. bgs		
				 						
										
				-						
					\rightarrow					
NOTES	MA = Not Ar	"bin			<u> L</u>					
NOILO	NA = Not App ft. bgs = feet		und surfa	ice			ill to ~16 ft, bgs to petroleum-type	e odors detected		
				OON SAMPLE	U - UN	IDISTURBED TO			- CORE	

SANS CONTRACTOR OF THE PARTY OF	•		T T	
THE PARTY OF THE			: In	Λ
Contract of the last		11	,	

PROJECT/ LOCATION: 2530 Hamburg Tur						ackawanna, N	lew York	PROJECT No.	04B193.22		
CLIENT	:			M&T Ba	ank			WELL/BORING N	o. BH14/TPMW6		
DATE S	TARTED:	6/0	2/04	DATE COM	MPLETED: 6/03/04			RECORDED BY:	JMR		
GROUN	DWATER D	EPTH W	IILE DR	ILLING:	~1	5 ft. bgs	AFTER COM	PLETION:	~8 ft. bgs		
WEATH	ER:	~70F, Sun	iny	DRILL RIG:	G	Seoprobe	DRILLER:	<u>E</u>	BMS Drilling		
DRILL S	IZE/TYPE:		Macr	o-core	SAM	PLE HAMME	R: WEIGHT	NA FA	LL <u>NA</u>		
	1		The state of the s								
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Туре	Blows/6"	N	Recovery (Inches)	(Unified S	Material Classification Soil Classification Syst	n and Description em-Visual Manual Method)		
1	0.2	0-2	U	-	_	15	0-4ft: Brown/g	ray sandy gravel (red l	orick) (coarse, angular, loose,		
							moist)				
2	0.3	2-4	U		-	15	4-16.5ft: Brow	n sandy silt (no plastic	ity, moist to wet)		
3 54 4-6 U 24 Refusal @ ~16.5 ft. bgs											
4	1,277	6-8	υ	-	-	24	1				
5	1,570	8-10	U	_	_	24	1		·		
	VI				÷						
6	458	10-12	U	-	_	24					
								•			
7	43	12-14	U	-		24	·				
8	267	14-16				24					
		_1									

									·		
None											
NOTES	NA = Not Ap ft. bgs = feet		ind surfa				Fill to ~16 ft. bgs	droloum tivos adars de	tected @ ~4-16.5 ft. bgs		
	585 - 1660					 		• , • • • •			
		*SS - S	PLIT-SP	OON SAMPLE	U - UN	DISTURBED T	UBE P-PIS	FON TUBE C - CO	RE [

LCS Inc.

<u> </u>													
PROJEC	CT/ LOCATI	ION:	2530	0 Hamburg Tun	npike, L	ackawanna, N	vew York	PROJECT No.	04B193.22				
CLIENT:	:			M&T Ba	ank			WELL/BORING No.	BH15/TPMW7				
DATE S	TARTED:	6/0	02/04	DATE COM	MPLETE	D:	6/03/04	RECORDED BY:	JMR .				
GROUN	IDWATER D	EPTH WI	HILE DF	KILLING:	~1	5 ft. bgs	AFTER COM	IPLETION:	~9 ft. bgs				
WEATH	ER:	~70F, Sur	nny	DRILL RIG:	DRILLER:	ВМЅ	Drilling						
DRILL S	SIZE/TYPE:		Macr	ro-core	SAM	PLE HAMME	R: WEIGHT	NA FALL	NA				
		1	T	T	T	T							
Sample	PID/HNu	Depth	Type	Blows/6"	N	Recovery		Material Classification and	1 Description				
No.	Reading	(Feet)	1,75	2,2,2		(Inches)	(Unified	Soil Classification System-\					
	(ppm)								, , , , , , , , , , , , , , , , , , , ,				
1	8.2	0-2	U	-	-	10	0-2ft: Black sa	andy gravel (coarse, angual	r, loose, moist)				
2 12 2 2-4 II - 10 2-4ft Brown silty gravelly sand (coarse medium fine medium													
2 12.2 2-4 U 10 2-4ft: Brown silly gravelly sand (coarse, medium, fine, medium dense, moist													
dense, moist 3 9.5 4-6 U 24 4-8ft: Gray/brown sandy silt (no plasticity, moist)													
3	9.5	4-0	U	-		24	4-8it: Gray/pit	wn sandy siit (no piasticky,	, moist)				
4	2.1	6-8	U		_	24	9-16ft Brown	sandy clayey silt (no plastic	olty molet to well				
-	2.,		- ĕ				0-1011, D.O.,	sailty diayey sill (the places	my, moist to way				
5	1.2	8-10	U	-	_	24		·					
6	5.1	10-12	U	-	-	24							
7	0.5	12-14	U	-		12							
		·											
8	0.1	.14-16	U	-		12							
				`									
				·									
					-			·					
									1.				
NOTES	NA = Not Ap	plicable				F	ill to ~16 ft. bgs		10 mm				
	ft. bgs = feet	below grou	und surfa	се		s	light petroleum-t	ype odors detected @ ~15-	16 ft. bgs				
		*SS - S	PLIT-SP(OON SAMPLE	U - UN	IDISTURBED T	UBE P PIST	TON TUBE C. CORE					

STREET, STREET	T	T	_
MATERIAL PROPERTY.		ın	r
O THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS			•

PROJEC	CT/ LOCATION	ION:	2530	0 Hamburg Turn	npike, L	ackawanna, N	New York	PROJECT No.	04B193.22
CLIENT:				M&T Ba				WELL/BORING No.	BH16/TPMW8
DATE S	TARTED:	6/0	02/04	DATE COM	MPLETE	-D:	6/03/04	RECORDED BY:	JMR
	IDWATER D		HILE DF	RILLING:		NA	_ AFTER COM	NPLETION:	~8 ft. bgs
WEATH	ER:	~70F, Sur	nny	_ DRILL RIG:		Geoprobe	_ DRILLER:	вмѕ	B Drilling
DRILL S	BIZE/TYPE:		Macr	го-соге	SAM	IPLE HAMMEI	R: WEIGHT	NA FALL	NA
	1	T		T	T	T	T		
Sample	PID/HNu	Depth	Tung	Blows/6"	N	Recovery		Material Classification and	4 Decodolion
Sample No.	Reading	(Feet)	Type *	Biowaye	"	(Inches)	1	Soil Classification System-\	
	(ppm)		'						
1	0.0	0-4	U			10	0-2ft: Brown s	sandy graveł (slag) (coarse,	angular, dense, moist)
	 '	-	 '						
2	0.0	4-6	U	-		20	2-4.5ft: Black	sandy silt (low plasticity, mo	oist)
	 		 '		<u> </u>		-	- 10_M,	
3	0.0	6-8	U	· -	-	20	4.5-6ft: Gray c	clayey silt (low plasticity, mo	olst)
		1 2 40	 				- 149 Owy	Will the stead of the coff	
4	0.0	8-10	U	-		20	6-14ft: Gray a	silty clay (high plasticity, soft,	, moist)
5	0.0	10.12	U			20	14 45H. Brow		gular, medium dense, moist)
5	0.0	10-12		-		20	14-1016 610,	1 sandy gravei (Guarao, ama	Mar, medium dense, molos,
6	0.0	12-15	U	_		20			
J	<u> </u>	14-10	<u> </u>			20			
							1		
							1		
							1		
							ł		
							1		
							1		
							1	·	
	-						1		
								*	
					-		ı		
							i		
	Control of the Contro								
	NA = Not App						Fill to ~16 ft. bgs		
	ft. bgs = feet	below grou	und surfa	ice		S	light petroleum-t	type odors detected @ ~14-	-15 ft. bgs
		*88 - 8	PLIT-SP	OON SAMPLE	U - UN	NDISTURBED T	/UBE P-PIS	STON TUBE C - CORE	

WITH THE PROPERTY OF THE PROPE	¥	α	T	
N DATA MET COSTA AN	1		nc	
POR STREET, ST			m.	

									0.15.100.00				
· .) Hamburg Tun		ackawanna, N	New York	PROJECT No.					
CLIÉNT				M&T Ba	ank			WELL/BORING I	No. BH17/TPMW9				
DATE \$	TARTED:	6/0)2/04	DATE COM	MPLETE	:D:	6/03/04	RECORDED BY	: JMR				
GROUN	IDWATER D	EPTH WI	HILE DR	RILLING:	~1	4 ft. bgs	AFTER COM	IPLETION:	~9ft. bgs				
WEATH	ER:	~70F, Sur	าทy	DRILL RIG:		eoprobe	DRILLER:		BMS Drilling				
DRILL S	SIZE/TYPE:	-	Macr	ro-core	SAM	PLE HAMME	R: WEIGHT	NA F	ALL NA				
		T	Т										
Sample PID/HNu Depth (Feet) Type Blows/6" N Recovery Material Classification and Description (Inches) (Unlified Soil Classification System-Visual Manual M									•				
1 1.1 0-4 U - 12 0-2ft: Brown sandy gravel (slag) (coarse, angular, dense, moist)													
2	2 0.7 4-6 U 20 2-4.5ft: Black sandy gravel (coarse, angular, loose, moist)												
	2 0.7 4-0 0 20 2-4,5ft. Brack Sailby graver (Coarse, angular, 100se, moist)												
3	3 0.5 6-8 U 20 4.5-6ft: Gray sandy silt (low plasticity, moist)												
		ļ	<u> </u>										
4	0.0	8-10	U	-		20	6-7ft: Gray silt	y sand (fine, medlum	dense, moist)				
		·											
5	0.0	10-12	U	-		20	7-9ft: Gray cla	yey silt (low plasticity	, moist)				
					٠,								
6	0.6	12-14	· U			10	1	rown silty clay (no pla	sticity to high plasticity, dense				
							to soft, moist)	•					
7	0.0	14-15.5	U			10							
		-					12-15ft: Gray (clayey sandy slit (low	plasticity, moist to wet)				
						-	15-15.5ft: Brov	vn sandy gravel (coa	rse, fine, angular, loose, wet)				
							Refusal @ ~15	.5 ft. bgs					
NOTES	NA = Not Ap	plicable				F	Fill to ~16 ft. bgs						
	ft. bgs = feet	t below gro	und surfa	ce		5	Slight petroleum-t	ype odors detected (@ ~15-15.5 ft. bgs				
		*SS - S	PLIT-SPO	OON SAMPLE	U - UN	IDISTURBED T	UBE P-PIS	TONTUBE C-C	CORE				

	T	CS	Inc
200	L	$\Lambda \cup \Omega$	HIL.

PROJE	CT/ LOCAT	ION:	2530	0 Hamburg Turr	npike, L	ackawanna, I	New York	PROJECT No.	04B193.22
CLIENT:				м&Т Ва				WELL/BORING No.	
DATE S	TARTED:	6/0)2/04	DATE CON	MPLETF	ED:	6/03/04	RECORDED BY:	JMR
GROUN	IDWATER (EPTH W	HILE DF	RILLING:	~1	i2 ft. bgs	_ AFTER COM	MPLETION:	NA
WEATH	IER:	~70F, Sur	nny	DRILL RIG:		Geoprobe	_ DRILLER:	BMS	Drilling
DRILL S	SIZE/TYPE:		Macr	ro-core	SAM	IPLE HAMME	ER: WEIGHT	NA FALL	NA
ii.	T	T	T				T		
Sample	PID/HNu	Depth	Туре	Blows/6"		Material Classification and	d Description		
No.	Reading	(Feet)	*	5.0	N	Recovery (Inches)	(Unified	Soil Classification System-	
	(ppm)	ļ		,	ļ				
11	0.1	0-2	U	-	<u> </u>	15	0-2ft: Brown s	sandy gravel (słag) (coarse,	angular, dense, moist)
		-					_		2
2	57.8	2-4	U	-	-	15	2-4.5ft: Black	sandy gravel (coarse, angu	ılar, loose, moist)
	ļ		-				-		
3	810	4-6	U	-	 _	20	4.5-6ft: Gray s	sandy silt (low plasticity, mo	pist)
	1 700		 			20	-	to the state of th	
4	1,799	6-8	U		-	20	6-7ft: Gray sin	lty sand (fine, medium dens	e, moist)
5	610	8-10	U	-		20	- Off Gray of	ayey silt (low plasticity, mois	
<u> </u>	010	9-12			- -	20	Indic Gray Cit.	lyey siit (iOw piasuoty,s	a)
6	612	10-12	U		-	20	9-12ft: Gray/b	prown silty clay (no plasticity	to high niasticity, dense
							to soft, moist)		Willight process,
7	810	12-14	U	-		20			
							12-15ft: Gray	clayey sandy silt (low plastle	city, moist to wet)
8	699	14-16	U		_	20			
							15-16.5ft: Brov	wn sandy gravel (slag) (coa	rse, fine, angular, loose,
							wet)		
							Refusal @ ~16.	5.5 ft. bgs	
							1		
							1		
						·			
							1		
							1		
							1		
							1		
	NA = Not App ft. bgs = feet		-∽d eurfa				Fill to ~16 ft, bgs Strong to Moderat		
	II. Irga — ,							ite petroleum-type odors de	tected @ ~5-16.5 H. bys
		*SS - SI	PLIT-SPC	OON SAMPLE	U - UN	NDISTURBED T	UBE P - PIS	STON TUBE C - CORE	

LCS Inc.

		·								
PROJECT/ LOCATION: 2530 Hamburg To			0 Hamburg Tur	mpike, L	ackawanna, I	New York	PROJECT No.		04B193.22	
CLIENT: M&T B					ank			WELL/BORING	3 No	BH19/TPMW10
DATE S	STARTED:		02/04		MPLETE	ED:	6/03/04	RECORDED B	Υ:	JMR .
GROUN	IDWATER (DEPTH W	HILE DF	 RILLING:	~1	3 ft. bgs	_ AFTER COM	- MPLETION:		~9 ft. bgs
				DRILL RIG:					BMS D	
DRILL S				ro-core				NA	FALL	
	1	1		T-18	_ 	T			,	
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type	Biows/6"	N	Recovery (Inches)	(Unified	Material Classifica		Description ual Manual Method)
1	13.5	0-4	u	-	_	10	0-2ft: Brown s	andy gravel (slag) (coarse, an	gular, dense, moist)
								• =	,	
2	146	4-6	υ		_	20	2-4.5ft; Black	sandy gravel (coars	se, angular	, loose, moist)
3	1,396	6-8	U	_	-	20	4.5-6ft: Gray sandy silt (low plasticity, moist)			
4	638	8-10	U	-	- /	20	6-7ft: Gray silty sand (fine, medium dense, moist)			noist)
5	649	10-12	U	-		20	7-9ft: Gray clayey slit (low plasticity, moist)			
6	1,343	12-14	· Ū	-	-	20	9-12ft; Gray/brown silty clay (no plasticity to high plasticity, dense			high plasticity, dense
7 .	345	11.15	 				to soft, moist)			
	845	14-16	u l		-	20	12-15ft: Gray	clayey sandy silt (lo	w plasticity	, moist to wet)
							15-16ft: Brown	ı sandy gravel (slag) (coarse, f	fine, angular, loose, wet)
										•
						·				
							. 1			
NOTES	NA = Not Ap	- Noahlo		1						**************************************
	fl. bgs = feet		und surfe	ice			Fill to ~16 ft. bgs Strong petroleum-	-type odors detecte	പ ത ~4-1 6	ft hae
•										
	*SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE C - CORE									

	T	CC	Inc
With the Party of		<i>T</i> 1. In	

PROJECT/ LOCATION: 2530 Hamburg Tumpike, Lackawa					ackawanna, l	New York	PROJECT No.		04B193.22	
CLIENT: M&T B					ank			WELL/BORING	No.	BH20/TPMW11
DATE S	STARTED: 6/02/04 DATE CO			MPLETED: 6/03/04			RECORDED BY	Y:	JMR	
GROUN	IDWATER D	EPTH WI	HILE DE	RILLING:	~(ft. bgs	_ AFTER COM	PLETION:		~9 ft. bgs
WEATH	ER:	~70F, Sur	nny	DRILL RIG:		Seoprobe	DRILLER:		BMS D	rilling
DRILL S	SIZE/TYPE:	F	Mac	ro-core	_ SAM	PLE HAMME	R: WEIGHT	NA NA	FALL	NA
	1		1		<u></u>					· · · · · · · · · · · · · · · · · · ·
Sample	PID/HNu	Depth	Туре	Blows/6"	N	Recovery		Material Classifica	tion and F) ecciption
No.	Reading	(Feet)	'ype	Diows/6	"	(Inches)	1			ual Manual Method)
	(ppm)	ļ			ļ	(1101103)	(Olimbo		73(011) 10	del Marido Mondo
11	4.7	0-4	U			10	0-0.4ft: Aspha	lt		
		<u> </u>	<u> </u>							,
2	5.7	4-6	U	-		20	0.4-3ft: Brown	/black sandy gravel	(slag) (co	arse, angular to sub-
<u> </u>	<u> </u>	ļ					angular, loose,	moist)		
3	2.3	6-8	U	-		20	·			
			-				3-13ft: Gray sa	endy clayey silt (low	plasticity,	moist to wet)
4	1.5	8-10	U		-	20	-			
_							Refusal @ ~13	ft. bgs		
5	3.2	10-13	U			10				· .
			<u> </u>		,					
			· · · · · ·				٠, .			
						·				İ
	:			· · · · · · · · · · · · · · · · · · ·			· ·			
				<u></u>						
						-				·
				mer synge attent						
NOTES	NA = Not Ap	plicable				F	Fill to ~16 ft. bgs			
ft. bgs = feet below ground surface						.1	No petroleum-type	odors detected		
	*SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE C - CORE									

LCS Inc.

CLIENT:	PROJECT/ LOCATION: 2530 Hamburg Tumpike, Lackawanna, N				lew York	PROJECT N	lo	04B193.22			
DATE STARTED: 6/02/04 DATE COMPLETED: 6/03/04 RECORDED BY: JMR GROUNDWATER DEPTH WHILE DRILLING: ~15 ft. bgs AFTER COMPLETION: NA WEATHER: ~70F, Sunny DRILL RIG: Geoprobe DRILLER: BMS Drilling DRILL SIZE/TYPE: Macro-core SAMPLE HAMMER: WEIGHT NA FALL NA Sample No. PID/HNu Reading (ppm) Depth (Feet) Type Blows/6* N Recovery (Inches) Material Classification and Description (Unified Soil Classification System-Visual Manual Method (Unified Soil Classification System-							WELL/BORI	NG No.	BH21		
WEATHER: ~70F, Sunny DRILL RIG: Geoprobe DRILLER: BMS Drilling DRILL SIZE/TYPE: Macro-core SAMPLE HAMMER: WEIGHT NA FALL NA Sample No. PID/HNu Reading (ppm) Depth (Feet) Type (Inches) N Recovery (Inches) Material Classification and Description (Unlifted Soil Classification System-Visual Manual Method (Unlifted Soil Classification System-Visual Manual Method (Inches) 0.0-2ft: Black sandy gravel (slag) (coarse, angular, loose, moist 2 0.0 4-6 U - - 15 2-6.5ft: Gray silty sand (fine, medium dense, moist) 3 0.0 6-8 U - - 15 6.5-10ft: Gray sandy silt (low plasticity, moist to wet) 4 0.0 8-10 U - - 15 10-13ft: Gray clayey silt (low plasticity, moist) 5 0.0 10-12 U - - 15 13-16.5ft: Gray gravelly sandy silt (low plasticity, wet) 6 0.5 12-16 U - - 10 Refusal @ ~16.5 ft. bgs	DATE STARTED: 6/02/04 DATE COMPLETED:						D: (6/03/04	RECORDED) BY:	JMR
DRILL SIZE/TYPE: Macro-core SAMPLE HAMMER: WEIGHT NA FALL NA Sample No. PID/HNu Reading (ppm) 1 0.5 0-4 U 10 0.0-2ft: Black sandy gravel (slag) (coarse, angular, loase, mois 2 0.0 4-6 U 15 2-6.5ft: Gray silly sand (fine, medium dense, moist) 3 0.0 6-8 U 15 8.5-10ft: Gray sandy silt (low plasticity, moist to wet) 4 0.0 8-10 U 15 10-13ft: Gray clayey silt (low plasticity, moist) 5 0.0 10-12 U 15 13-16.5ft: Gray gravelly sandy silt (low plasticity, wet) 6 0.5 12-16 U 10 Refusal @ -16.5 ft. bgs	GROUN	DWATER D	EPTH W	HILE DR	 HLLING:	~1	5 fl. bgs	AFTER COM	PLETION:		NA .
Sample No. PiD/HNu Reading (Feet) Type Blows/6" N Recovery (Inches) (Unified Soil Classification and Description (Unified Soil Classification System-Visual Manual Method (Inches) (Unified Soil Classification and Description (Unified Soil Classification and Description (Inches) (Unified Soil Classification System-Visual Manual Method (Inches) (Unified Soil Classification System-Visual Manual Method (Inches) (Unified Soil Classification and Description (Unified Soil Classification and Description (Inches) (Unified Soil Classification and Description (Un	WEATH	ER:	~70F, Sun	ny	DRILL RIG:	G	eoprobe	DRILLER:		BMS D	Prilling
No. Reading (ppm)	DRILL S	IZE/TYPE:		Macr	o-core	SAMI	PLE HAMME	R: WEIGHT	NA	FALL	NA NA
No. Reading (ppm)		<u> </u>	1			F	<u> </u>				,
2 0.0 4-6 U - 15 2-6.5ft: Gray silty sand (fine, medium dense, moist) 3 0.0 6-8 U - 15 6.5-10ft: Gray sandy silt (low plasticity, moist to wet) 4 0.0 8-10 U - 15 10-13ft: Gray clayey silt (low plasticity, moist)) 5 0.0 10-12 U - 15 13-16.5ft: Gray gravelly sandy silt (low plasticity, wet) 6 0.5 12-16 U 10 Refusal @ ~16.5 ft. bgs		Reading		Туре	Błows/6"	N	· ·	1	•		
3 0.0 6-8 U 15 8.5-10ft: Gray sandy silt (low plasticity, moist to wet) 4 0.0 8-10 U 15 10-13ft: Gray clayey silt (low plasticity, moist)) 5 0.0 10-12 U 15 13-16.5ft: Gray gravelly sandy silt (low plasticity, wet) 6 0.5 12-16 U 10 Refusal @ ~16.5 ft. bgs	1	0.5	0-4	U	-	-	10	0.0-2ft: Black	sandy gravel (sl	lag) (coarse,	angular, loose, moist)
4 0.0 8-10 U 15 10-13ft: Gray clayey silt (low plasticity, moist)) 5 0.0 10-12 U 15 13-16.5ft: Gray gravelly sandy silt (low plasticity, wet) 6 0.5 12-16 U 10 Refusal @ ~16.5 ft. bgs					-						
5 0.0 10-12 U 15 13-16.5ft: Gray gravelly sandy slit (low plasticity, wet) 6 0.5 12-16 U 10 Refusal @ ~16.5 ft. bgs	3	0.0	6-8	<u> </u>	-		15	6.5-1UIT; Gray	sandy siit (low)	plasticity, mo	st to wet)
6 0.5 12-16 U 10 Refusal @ ~16.5 ft. bgs	4	0.0	8-10	U		-	15	10-13ft: Gray clayey silt (low plasticity, moist))			
	5	0.0	10-12	U	**	*	15	13-16.5ft: Gray gravelly sandy slit (low plasticity, wet)			
7 1.3 16-16.5 U 10	6	0.5	12-16	U		-	10	Refusal @ ~16	.5 ft. bgs		
							40				
	/	1.3	16-16.5	U		-	10				
								·			
											·
											•
											•
NOTES NA = Not Applicable Fill to ~16 ft. bgs ft. bgs = feet below ground surface No petroleum-type odors detected *SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE C - CORE	NOTES	ft. bgs = feet below ground surface No petroleum-type odors detected									

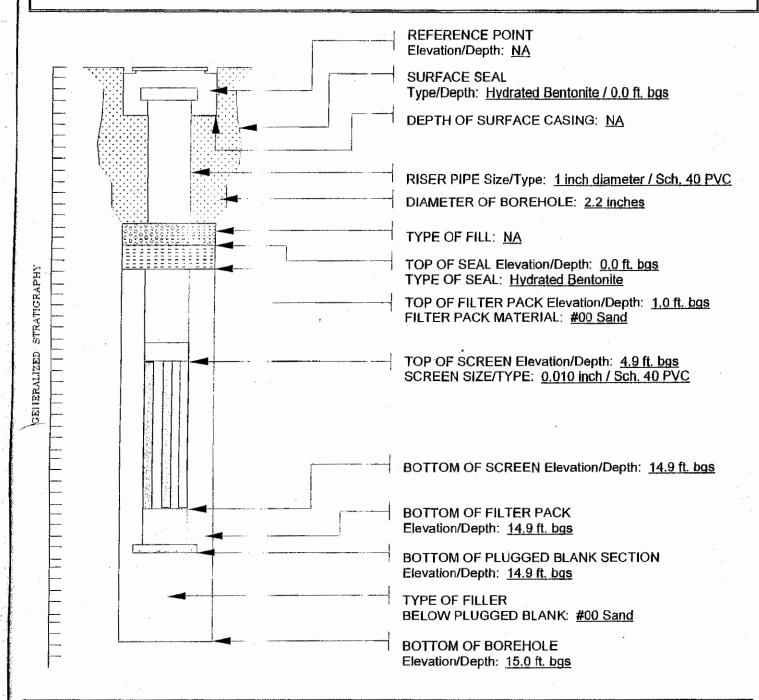
	~		70	_	
Contract of the last		•		B 1/2	Λ
NAME AND ADDRESS OF			. •		4 -
Witness Lines of					

PROJECT/ LOCATION: 2530 Hamburg Tumpike, Lackawanna, New York					New York	PROJECT No.	04B193.22		
CLIENT: M&T Be					ank			WELL/BORING No.	BH22
DATE STARTED: 6/02/04 DATE COM			MPLETED: 6/03/04		RECORDED BY:	JMR			
GROUN	DWATER D	EPTH WH	IILE DR	RILLING:	~1:	5 ft. bgs	AFTER COM	PLETION:	NA NA
WEATH	ER:	-70F, Sun	ny	DRILL RIG:		Beoprobe	DRILLER:	BMS	3 Drilling
DRILL S	IZE/TYPE:		Macr	o-core	SAM	PLE HAMME	R: WEIGHT	NA FALL	NA
	1	<u> </u>	1	I	<u> </u>		<u> </u>		man and a substitution of the substitution of
Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	(Unified S	Material Classification an Soil Classification System-	
1	0.0	0-4	Ų	-	-	10	0.0-1ft; Black	sandy gravel (slag) (coars	e, angular, loose, moist)
2	0.8	4-8	U		-	10	1-5ft: Gray silty sand (fine, medium dense, moist) 5-8ft: Gray sandy silt (low plasticity, moist to wet) 8-12ft: Gray clayey silt (low plasticity, moist))		
3	0.0	8-12	U			10			
4	0.0	12-14	U	-	-	20			
5	0.8	14-16.5	U	-	_	20	13-16.5ft: Gra	y gravelly sandy silt (low p	lasticity, wet)
:							Refusal @ ~16	5.5 ft. bgs	
NOTES	NA = Not Ap		ınd surfa	ice	m (), (), (), (), (), (), (), ()		Fill to ~16 ft. bgs No petroleum-typ	e odors detected	en e
- W-14-74-74-11	*SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE C - CORE								

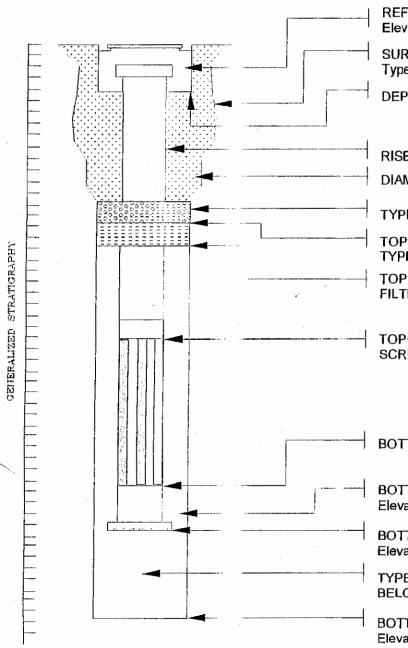


WELL CONSTRUCTION DETAILS

PROJECT/LOCATION: 2530 Hamburg Turnpike, Lackawana, NY PROJECT No. 04B193.22 CLIENT: M&T Bank WELL No. TPMW1 DATE COMPLETED: June 1, 2004 SUPERVISED BY: **JMR**



PROJECT/LOCATION: 2530 Hamburg Turnpike, Lackawana, NY PROJECT No. 04B193.22 CLIENT: M&T Bank WELL No. TPMW2 DATE COMPLETED: June 1, 2004 SUPERVISED BY: JMR



REFERENCE POINT Elevation/Depth: NA

SURFACE SEAL

Type/Depth: Hydrated Bentonite / 0.0 ft. bgs

DEPTH OF SURFACE CASING: NA

RISER PIPE Size/Type: 1 inch diameter / Sch. 40 PVC

DIAMETER OF BOREHOLE: 2.2 inches

TYPE OF FILL: NA

TOP OF SEAL Elevation/Depth: 0.0 ft. bgs

TYPE OF SEAL: Hydrated Bentonite

TOP OF FILTER PACK Elevation/Depth: 1.0 ft. bgs

FILTER PACK MATERIAL: #00 Sand

TOP OF SCREEN Elevation/Depth: 7.9 ft. bgs SCREEN SIZE/TYPE: 0.010 inch / Sch. 40 PVC

BOTTOM OF SCREEN Elevation/Depth: 17.9 ft. bgs

BOTTOM OF FILTER PACK Elevation/Depth: 17.9 ft. bgs

BOTTOM OF PLUGGED BLANK SECTION

Elevation/Depth: 17.9 ft. bgs

TYPE OF FILLER

BELOW PLUGGED BLANK: #00 Sand

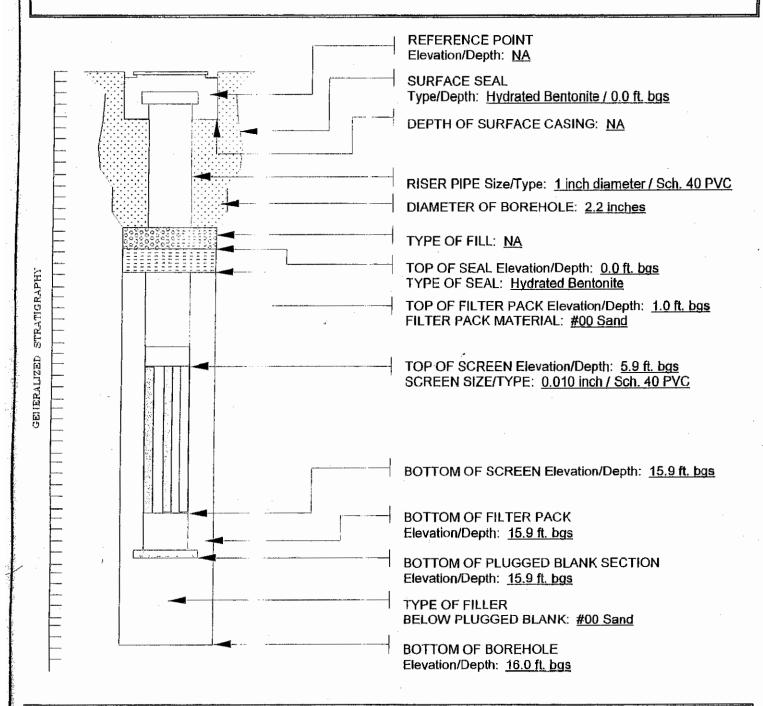
BOTTOM OF BOREHOLE Elevation/Depth: 18.0 ft. bgs

NOTES

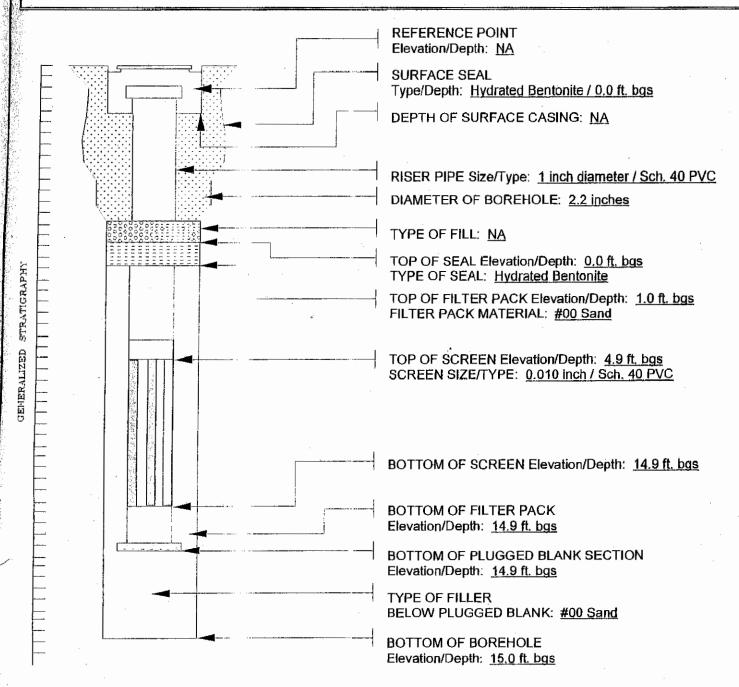
ft. bgs = feet below ground surface

NA = Not Applicable

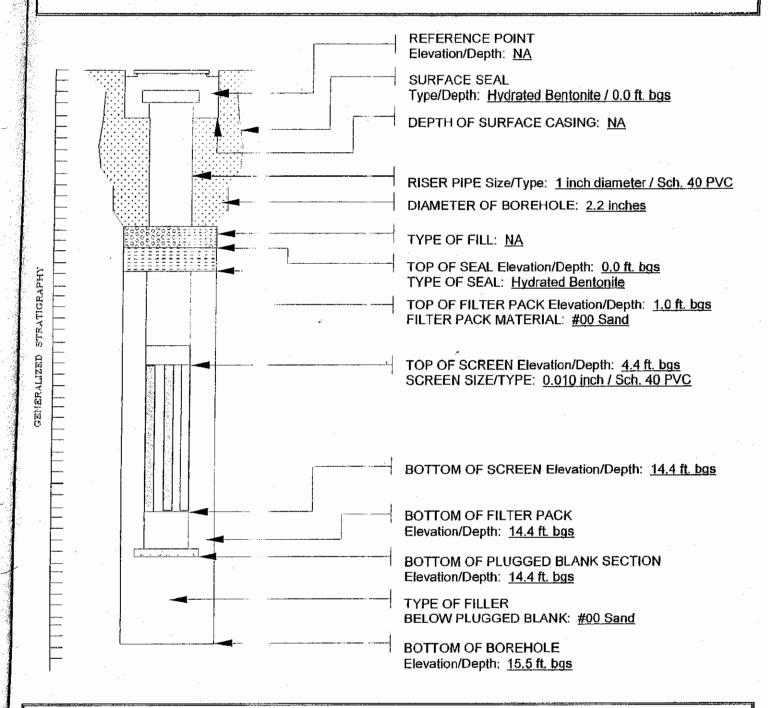
2530 Hamburg Turnpike, Lackawana, NY PROJECT No. 04B193.22 PROJECT/LOCATION: CLIENT: -M&T Bank WELL No. TPMW3 DATE COMPLETED: June 1, 2004 SUPERVISED BY: JMR



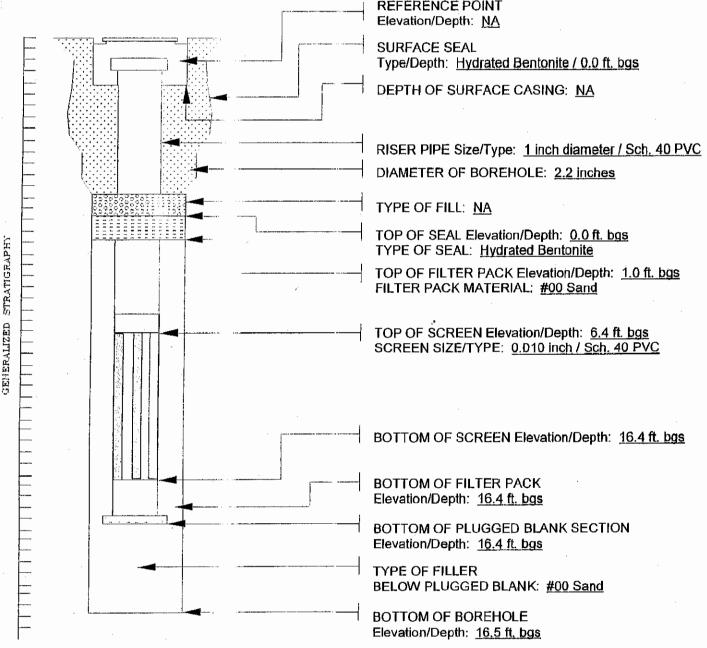
PROJECT/LOCATION:	2530 Hamburg Turnpike, Lackawa	ana, NY	PROJECT No.	04B193.22
CLIENT:	M&T Bank		WELL No.	TPMW4
DATE COMPLETED:	June 1, 2004	SUPERVISED I	3Y:	JMR



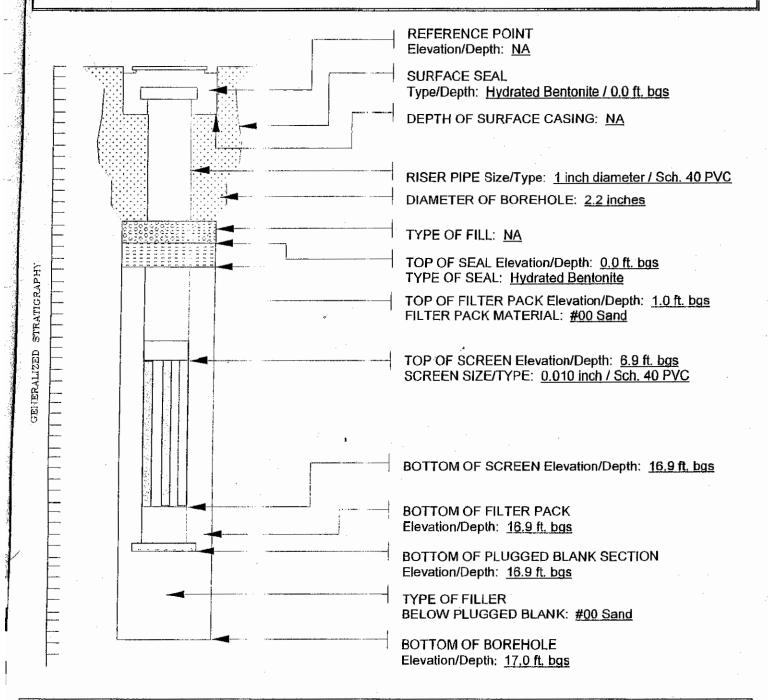
PROJECT/LOCATION:	2530 Hamburg Turnpike, Lackaw	PROJECT No.	04B193.22	
CLIENT:	M&T Bank		WELL No.	TPMW5
DATE COMPLETED:	June 1, 2004	SUPERVISED I	3Y:	JMR
	,		•	



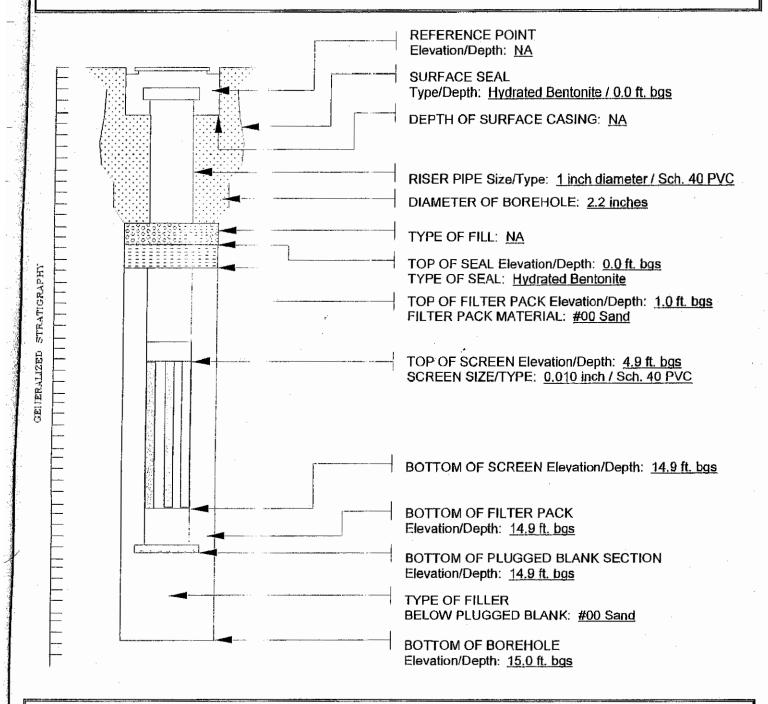
l	PROJECT/LOCATION:	2530 Hamburg Turnpike, Lacka	PROJECT No.	04B193.22	
į.	CLIENT:	M&T Bank		WELL No.	TPMW6
1	DATE COMPLETED:	May 11, 2004	SUPERVISED BY	Y:	JMR
		1	REFERENCE POINT		



PROJECT/LOCATION: 2530 Hamburg Turnpike, Lackawana, NY 04B193.22 PROJECT No. CLIENT: M&T Bank WELL No. TPMW7 SUPERVISED BY: ___ May 11, 2004 DATE COMPLETED: **JMR**

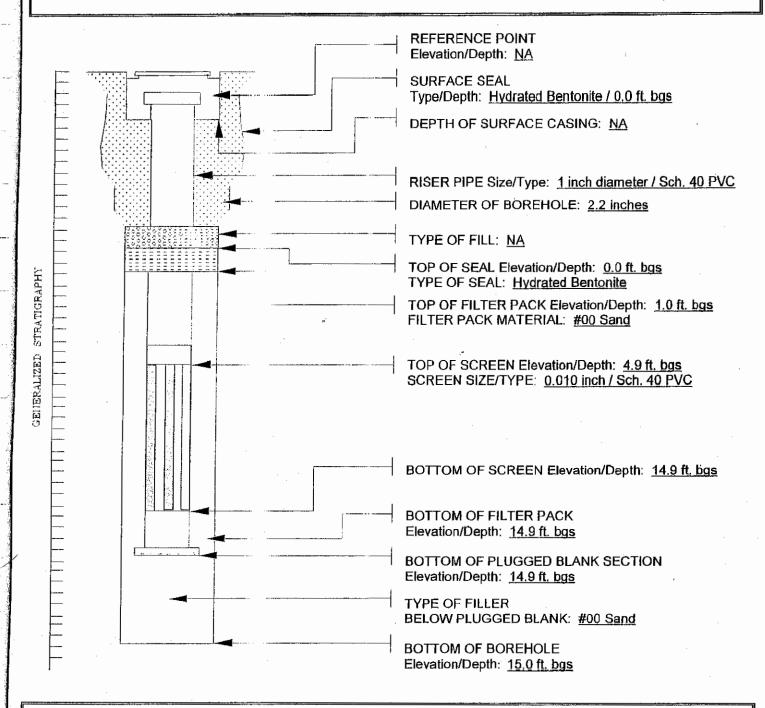


PROJECT/LOCATION: 2530 Hamburg Turnpike, Lackawana, NY PROJECT No. 04B193.22 CLIENT: M&T Bank WELL No. TPMW8 DATE COMPLETED: June 1, 2004 SUPERVISED BY: ______ JMR



LCS Inc. WELL CONSTRUCTION DETAIL

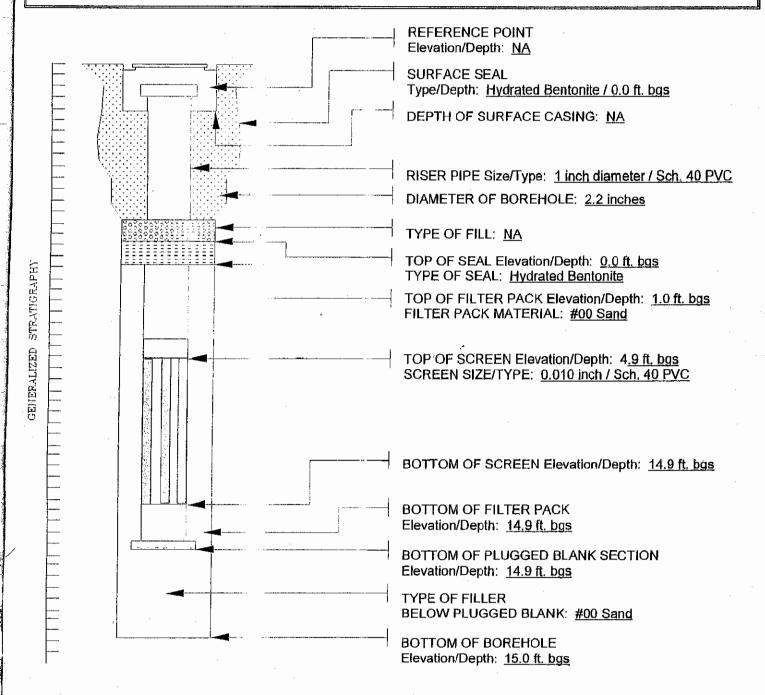
PROJECT/LOCATION:	2530 Hamburg Turnpike, Lackawa	ana, NY	PROJECT No.	04B193.22
CLIENT:	M&T Bank		WELL No.	TPMW9
DATE COMPLETED:	June 2, 2004	SUPERVISED BY	•	JMR



NOTES ft. bgs = feet below ground surface NA = Not Applicable

LCS Inc. WELL CONSTRUCTION DETAIL

PROJECT/LOCATION:	2530 Hamburg Turnpike, Lackawa	ana, NY	PROJECT No.	04B193.22
CLIENT:	M&T Bank		WELL No.	TPMW10
DATE COMPLETED:	June 2, 2004	SUPERVISED BY	:	JMR



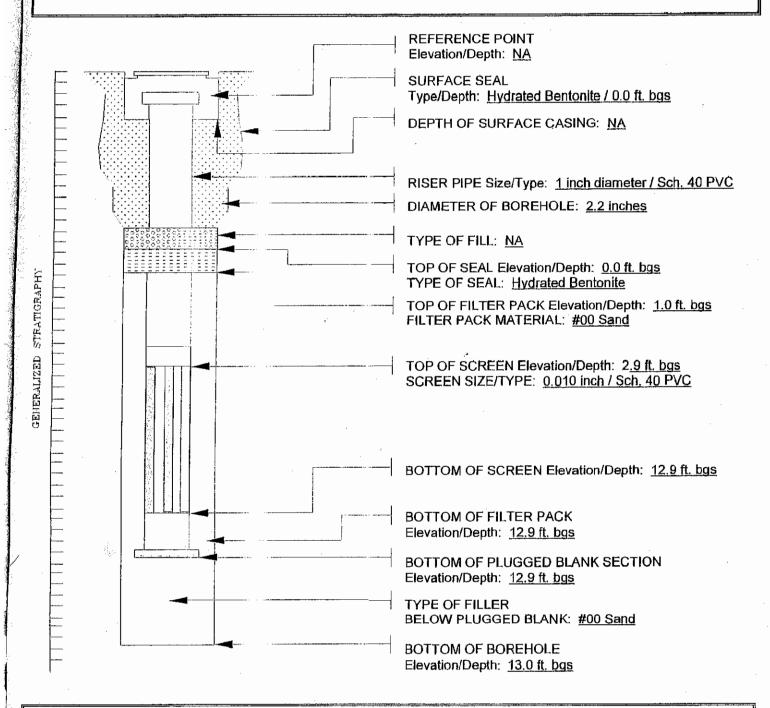
NOTES

ft. bgs = feet below ground surface

NA = Not Applicable

LCS Inc. WELL CONSTRUCTION DETAIL

PROJECT No. 04B193.22 PROJECT/LOCATION: 2530 Hamburg Turnpike, Lackawana, NY WELL No. TPMW11 CLIENT: M&T Bank **JMR** DATE COMPLETED: June 2, 2004 SUPERVISED BY:



NOTES ft. bgs = feet below ground surface NA = Not Applicable



ANALYTICAL RESULTS

AND

LABORATORY DISCUSSION



Waste Stream Technology Inc.

302 Grote Street Buffalo, N.Y. 14207-2442 Phone (716) 876-5290 FAX (716) 876-2412

July 15, 2004

Mr. Douglas Reid Lender Consulting Service P.O. Box 406 Buffalo, NY 14205

Re: Comments regarding analysis performed for the LCS site at 2530 Hamburg Turnpike.

Dear Mr. Reid:

Upon examination of the analysis and samples associated with the 2530 Hamburg Turnpike site it is obvious that certain samples could well be contaminated with petroleum product but are not amenable to analysis by conventional New York State DEC STARS methodology.

Samples of particular concern are sample TPMW10 and TPMW1. Sample TPMW10 has both visible floating free (petroleum?) product and (petroleum?) product stuck to the sides of the volatile vial. The chromatograms for both samples have raised baselines that are indicative of probable petroleum impact. Unfortunately the raised baseline of the chromatogram indicates possible detector saturation and possible false negatives for target compounds. Therefore I would recommend sample TPMW10 be analyzed for Total Extractable Hydrocarbons and Diesel Range Organics. I believe that sample TPMW1 should be analyzed for Gasoline Range Organics. Upon further study of the chromatograms and tentatively identified compounds I believe the following samples suspect petroleum impact of a non-target compound nature: BH10(8-10), BH11(8-10), BH14(8-10), BH18(6-8), BH19(12-14). Please note I have attached the chromatograms for all samples mentioned above.

If you have any questions or require any additional information please do not hesitate to contact me.

Sincerely,

Paul K. Morrow

Assistant Laboratory Director

Data File : C:\HPCHEM\1\DATA\060904\0023875.D

Vial: 13 Acq On 9 Jun 2004 1:10 pm Operator: SCT/TJM

Sample

: 5971 4F04009-13 Inst Multiplr: 1.00 Misc : 8260 STRS 1.15q

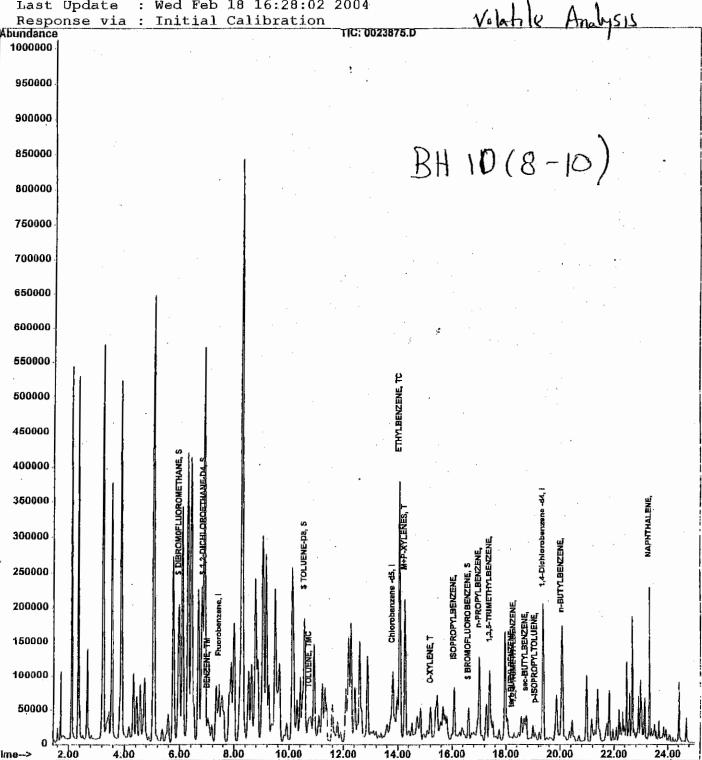
MS Integration Params: rteint.p

Quant Results File: 021804D.RES Quant Time: Jun -9 13:35 2004

: C:\HPCHEM\1\METHODS\021804D.M (RTE Integrator) Method

VOACAP18 INTEGRATION Title

: Wed Feb 18 16:28:02 2004 Last Update



Data File: C:\HPCHEM\1\DATA\060904\0023876.D

Acq On 9 Jun 2004 1:41 pm

Sample 4F04009-14 Operator: SCT/TJM

Inst 5971 Multiplr: 1.00

Vial: 14

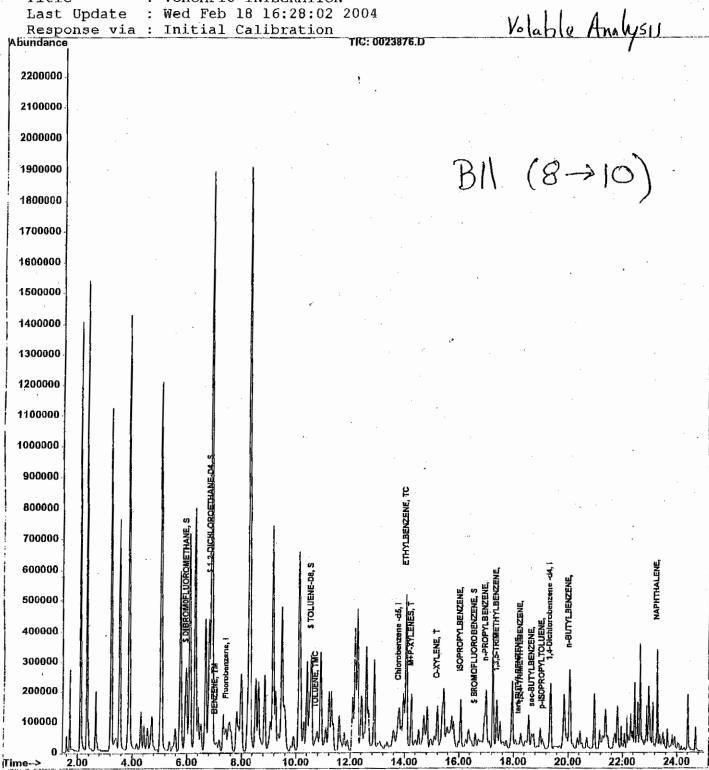
Misc : 8260 STRS 1.06q

MS Integration Params: rteint.p Quant Time: Jun 9 14:07 2004

Quant Results File: 021804D.RES

Method C:\HPCHEM\1\METHODS\021804D.M (RTE Integrator)

Title VOACAP18 INTEGRATION Last Update



Vial: 1

Multiplr: 1.00

Inst

Operator: SCT/TJM

5971

Data File : C:\HPCHEM\1\DATA\060904\0023879.D

Acq On : 9 Jun 2004 3:17 pm

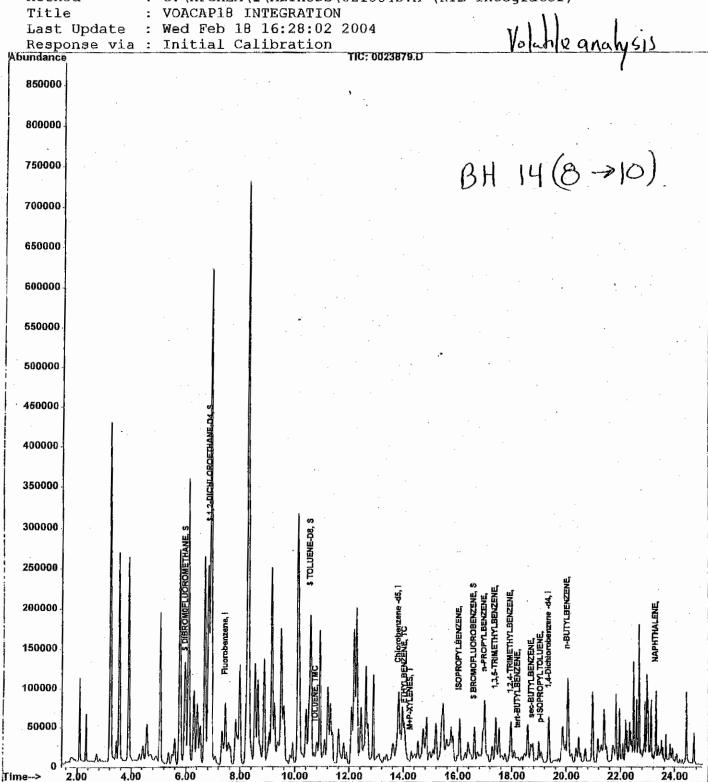
Sample : 4F04009-17

Misc : 8260 STRS 1.04G

MS Integration Params: rteint.p

Quant Time: Jun 9 15:42 2004 Quant Results File: 021804D.RES

Method : C:\HPCHEM\1\METHODS\021804D.M (RTE Integrator)



Data File: C:\HPCHEM\1\DATA\060904\0023885.D

Vial: 6 9 Jun 2004 6:30 pm

Operator: SCT/TJM Acq On : 4F04009-20 Sample Inst : 5971 : 8260 STRS 1. 16G Misc Multiplr: 1.00

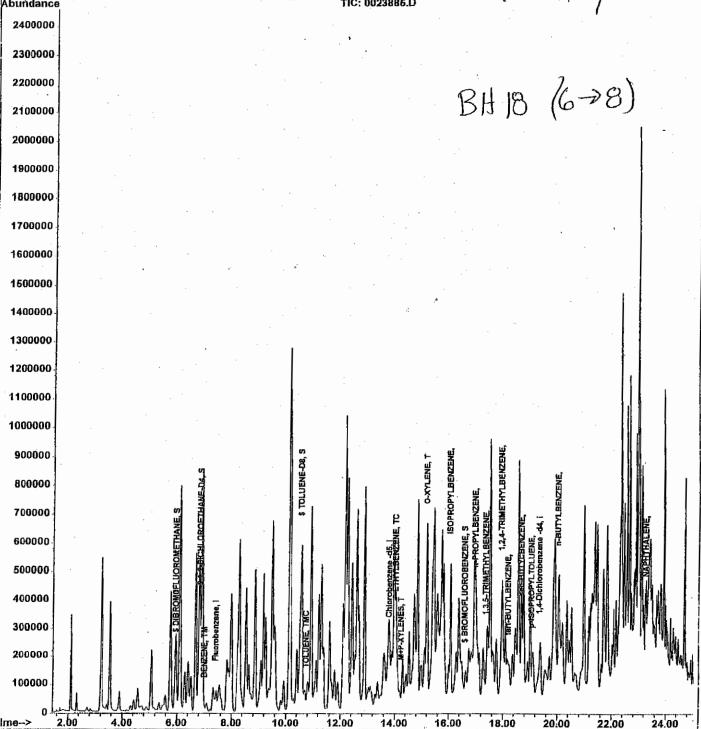
MS Integration Params: rteint.p

9 18:55 2004 Quant Results File: 021804D.RES Quant Time: Jun

: C:\HPCHEM\1\METHODS\021804D.M (RTE Integrator) Method

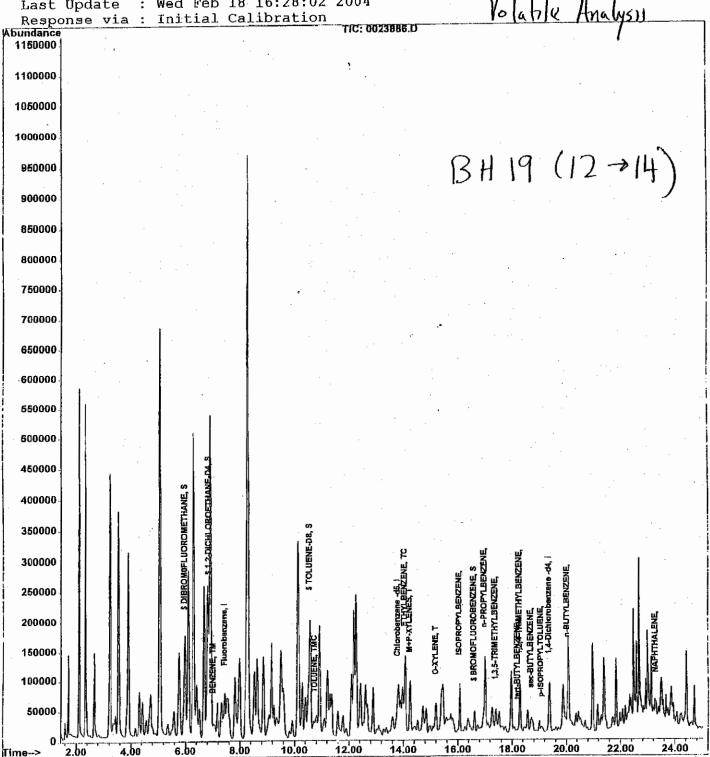
Title VOACAP18 INTEGRATION

Last Update : Wed Feb 18 16:28:02 2004 Response via : Initial Calibration TIC: 0023885.D



Data File : C:\HPCHEM\1\DATA\060904\0023886.D Vial: 7 Operator: SCT/TJM 9 Jun 2004 7:02 pm Acq On 5971 Inst 4F04009-21 Sample Multiplr: 1.00 8260 STRS 1. 04G Misc MS Integration Params: rteint.p Quant Results File: 021804D.RES Quant Time: Jun 9 19:27 2004 : C:\HPCHEM\1\METHODS\021804D.M (RTE Integrator)

Method VOACAP18 INTEGRATION Title : Wed Feb 18 16:28:02 2004 Last Update TIC: 0023886.D



Data File : C:\HPCHEM\1\DATA\060904\0023877.D

2:13 pm Acq On 9 Jun 2004

4F04009-15

Misc : 8260 STRS 1.09g

Sample

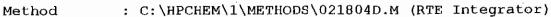
MS Integration Params: rteint.p Quant Time: Jun 9 14:38 2004

Operator: SCT/TJM Inst 5971

Multiplr: 1.00

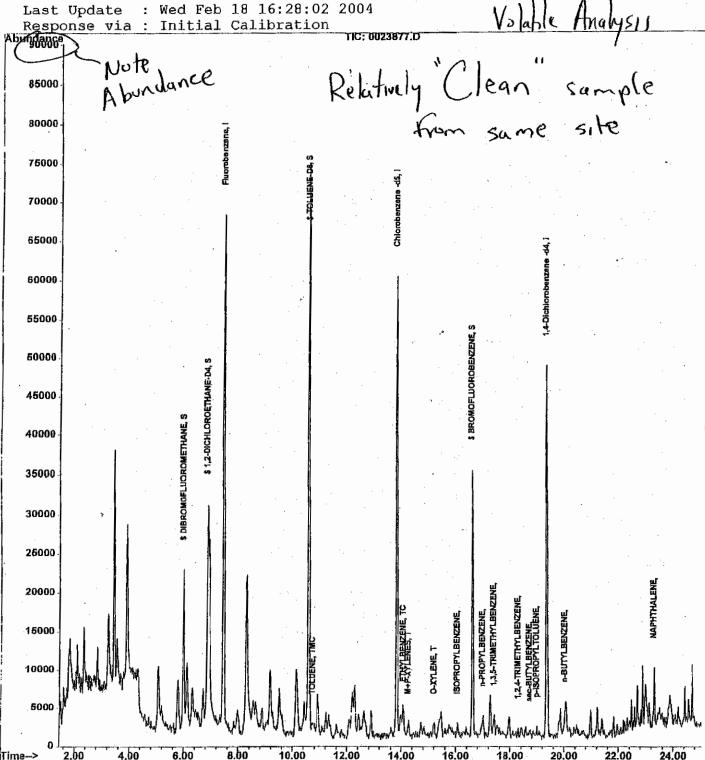
Vial: 15

Quant Results File: 021804D.RES



VOACAP18 INTEGRATION Title

Wed Feb 18 16:28:02 2004 Last Update



Data File : C:\HPCHEM\1\DATA\060904\0018282.D

9 Jun 2004 14:05

Vial: 3 Operator:

Acq On 4F04009-10@2X

Inst : GC/MS Ins

Sample

Multiplr: 1.00

I.S. AMPULE E 4042704 Misc

Quant Results File: PAH0505.RES

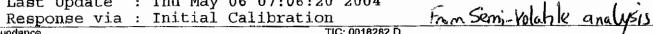
MS Integration Params: RTEINT2.P Ouant Time: Jun 9 14:27 2004

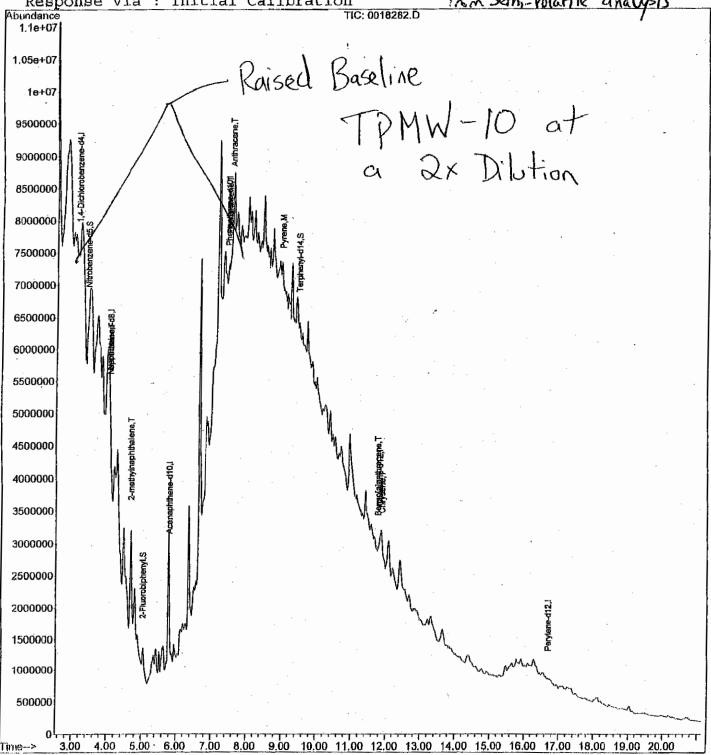
Method

: C:\HPCHEM\1\METHODS\PAH0505.M (RTE Integrator)

Title

: Thu May 06 07:06:20 2004 Last Update





Data File : C:\HPCHEM\1\DATA\060804\0018276.D

8 Jun 2004 18:02

Acq On 4F04009-01

Sample : I.S. AMPULE E 4042704 Misc

MS Integration Params; RTEINT2.P Quant Time: Jun 9 8:21 2004

Vial: 13

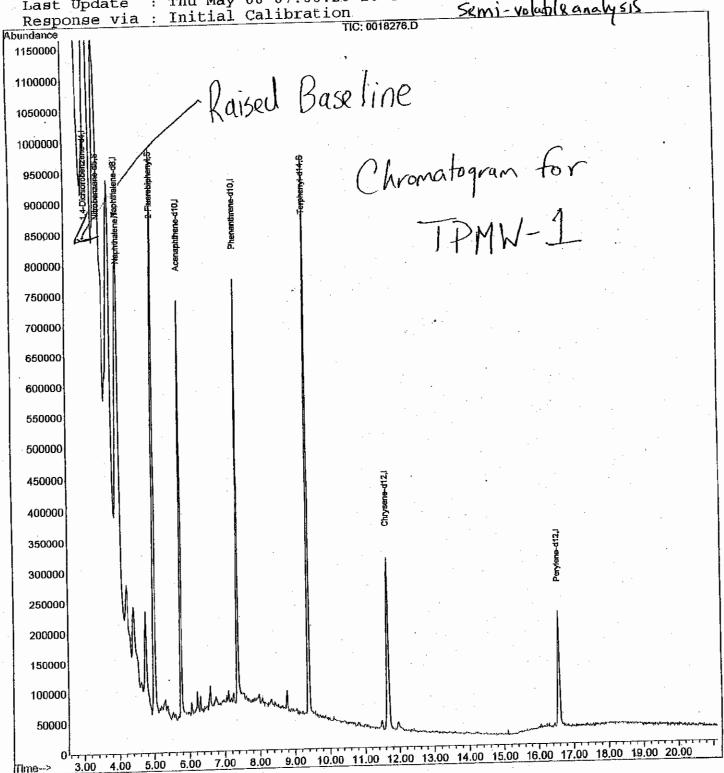
Operator: : GC/MS Ins Inst

Multiplr: 1.00

Quant Results File: PAH0505.RES

: C:\HPCHEM\1\METHODS\PAH0505.M (RTE Integrator) Method

Last Update : Thu May 06 07:06:20 2004 Semi-voluble analysis



Data File : C:\HPCHEM\1\DATA\060804\0018278.D

Vial: 15

Acq On

8 Jun 2004 18:52 Operator:

Sample

4F07009-08

Inst : GC/MS Ins

Misc : I.S. AMPULE E 4042704 Multiplr: 1.00

MS Integration Params: RTEINT2.P

Ouant Time: Jun 9 8:24 2004

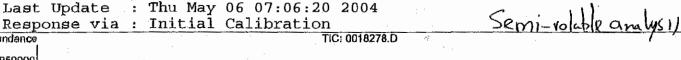
Quant Results File: PAH0505.RES

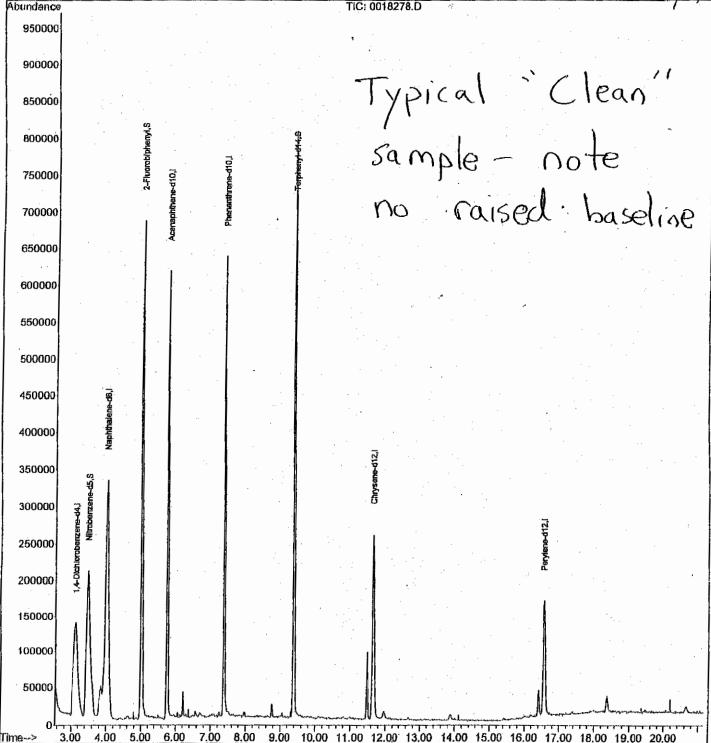
Method

: C:\HPCHEM\1\METHODS\PAH0505.M (RTE Integrator)

Title

Last Update : Thu May 06 07:06:20 2004





P.O. Box 406

Buffalo NY, 14205

Project: New York State Projects

Project Number: Hamburg Turnpike 04B193.22

Project Manager: Doug Reid

Reported: 06/30/04 13:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TPMW1	4F04009-01	Water	06/02/04 08:00	06/04/04 13:03
TPMW2	4F04009-02	Water	06/03/04 08:00	06/04/04 13:03
TPMW3	4F04009-03	Water	06/03/04 08:30	06/04/04 13:03
TPMW4	4F04009-04	Water	06/03/04 09:00	06/04/04 13:03
TPMW5	4F04009-05	Water	06/03/04 09:30	06/04/04 13:03
TPMW6	4F04009-06	Water	06/03/04 10:00	06/04/04 13:03
TPMW7	4F04009-07	Water	06/03/04 10:30	06/04/04 13:03
TPMW8	4F04009-08	Water	06/03/04 11:00	06/04/04 13:03
TPMW9	4F04009-09	Water	06/03/04 11:30	06/04/04 13:03
TPMW10	4F04009-10	Water	06/03/04 12:00	06/04/04 13:03
TPMW11	4F04009-11	Water	06/03/04 12:30	06/04/04 13:03
ВН9 (14-16)	4F04009-12	Soil	06/01/04 00:00	06/04/04 13:03
BH10 (8-10)	4F04009-13	Soil	06/01/04 00:00	06/04/04 13:03
BH11 (8-10)	4F04009-14	Soil	06/01/04 00:00	06/04/04 13:03
BH12 (4-6)	4F04009-15	Soil	06/01/04 00:00	06/04/04 13:03
BH13 (6-8)	4F04009-16	Soil	06/01/04 00:00	06/04/04 13:03
BH14 (8-10)	4F04009-17	Soil	06/01/04 00:00	06/04/04 13:03
BH15 (4-6)	4F04009-18	Soil	06/01/04 00:00	06/04/04 13:03
ВН17 (15-15.75)	4F04009-19	Soil	06/02/04 00:00	06/04/04 13:03
BH18 (6-8)	4F04009-20	Soil	06/02/04 00:00	06/04/04 13:03
BH19 (12-14)	4F04009-21	Soil	06/02/04 00:00	06/04/04 13:03

P.O. Box 406 Buffalo NY, 14205 Project: New York State Projects

Project Number: Hamburg Turnpike 04B193.22

Project Manager: Doug Reid

Reported: 06/30/04 13:46

Analyte	Result	Reporting Limi		Dilution	Batch	Prepared	Analyzed	Method	Notes
TPMW1 (4F04009-01RE1) Water	Sampled: 06/02	/04 08:00 Re	ceived: 06/	04/04 13:0)3				
Methyl tert-butyl ether	ND	1	ug/l	1	AF41003	06/09/04	06/10/04	8260	U
benzene	102		n	"	"	υ .		. "	
toluene	7	. 1	"	· · · n	" .	. "		. "	
ethylbenzene	34	1	"	н	1)	#		*1	
n,p-xylene	31	. 2		U	n .	n		"	
-xylene	3	1	n	."	4 .	"	"	*	
sopropylbenzene	53	1	14	н	•	11	**		
-propylbenzene	91	1		"	. "	19	н	۳ .	
,3,5-trimethylbenzene	46	!	"	**	ıt			Ħ	
ert-butylbenzene	5		11	**	11	P	11	11	
,2,4-trimethylbenzene	48	į į	"	n	'n.	II.	, or	U	
ec-butylbenzene	6	· , 1	"	. "	n	"	"	. *	•
-isopropyltoluene	6	1	in .	it	11	*	. 10	"	
-butylbenzene	40			q	"	н	**	•	
aphthalene	4	. 1	. 0	. " .	#	. "	11	h i	
urrogate: 1,2-Dichloroethane-d4	- grand philosoppe () same () the control of	90.7%		114	"	,, ,	"		
urrogate: Toluene-d8		90.3 %	84-	118	*	"	. #	**	
urrogate: Bromofluorobenzene		93.7 %	85-	123	"		"	."	
PMW2 (4F04009-02) Water Sa	mpled: 06/03/04 0	8:00 Receiv	ed: 06/04/0	4 13:03					
Hethyl tert-butyl ether	ND	I(1 13.03	AF40903	06/09/04	06/09/04	8260	. L
enzene	732	10	_		"	•	U	11	
luene	172	10		n	11	**	н	"	
thylbenzene	965	10				"	u	п	
ı,p-xylene	705	20			11	H	**	**	
-xylene	47	10				. 11			
opropylbenzene	68	10		н	11		11	**	
-propylbenzene	111	10		n	4	Pİ	10		
3,5-trimethylbenzene	164	10		,,		11	"	**	
rt-butylbenzene	ND	10				n,	11	. 11	. 1.
2,4-trimethylbenzene	95	10			н .	. 11	ù		
ec-butylbenzene	ND	10		. 11	"	**		. 91	ι
isopropyltoluene	ND	10			• 11	*	, H	. "	
	51	10		. "	, н	**	. 11	,,	,
_hutvlhenzene	318				11		**	**	
		1/	1 "						
aphthalene	218	70.30					. ,		
aphthalene urrogate: 1,2-Dichloroethane-d4		78.3 %	7 <i>6</i> -	774		i		, ,	
-butylbenzene aphthalene urrogate: 1,2-Dichloroethane-d4 urrogate: Toluene-d8 urrogate: Bromofluorobenzene			5 76- 5 84-			"	u u	. "	11 10 10 10 10 10 10 10 10 10 10 10 10 1

P.O. Box 406 Buffalo NY, 14205 Project: New York State Projects

Project Number: Hamburg Turnpike 04B193.22

Project Manager: Doug Reid

Reported: 06/30/04 13:46

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Not
FPMW3 (4F04009-03) Water	Sampled: 06/03/04 08:30	Received	: 06/04/04	4 13:03					
Methyl tert-butyl ether	ND	10	ug/i	ı	AF40903	06/09/04	06/09/04	8260	
enzene	556	10	н .	10	tt .	91	*	P	
oluene	178	10	н ,			"	Ħ	. **	
thylbenzene	883	10	tt	••	*	"		n	
,p-xylene	1240	20	н		H	**	**	и .	,
xylene	218	10	tt		11	11	*		
оргорушвение	78	10	11		#	0	К		,
propylbenzene	100	10	н	11	*	#	**	. "	
3,5-trimethylbenzene	137	10	**	н	0	n	"		
t-butylbenzene	ND	10	n	. "	u	a a	*		
,4-trimethylbenzene	334	10	ıı		n	19 .	"		
-butylbenzene	ND	10	11	**	49	II.	"		
sopropyltoluene	ND	10.	10			**		· ·	
outylbenzene	46	10		н	. #	"	н	н	
hthalene	255	10	Ħ	, · ŋ	11	· #	n	17	
rogate: 1,2-Dichloroethane-d		80.3 %	76-1	114		· · · · · · · · · · · · · · · · · · ·	"		
rogate: Toluene-d8		101%	84-		"		,,		
rogate: Bromofluorobenzene		96.7 %	85-		**	11	,,		
MW4 (4F04009-04) Water	Sampled: 06/03/04 09:00	Received	: 06/04/04	13:03	.*				
alard and broked atlant					4.540063	0.6.100.10 :	na mana	03/0	
•	ND	. 1	ug/l	ı	AF40903	06/09/04	06/09/04	8260	
zene	ND	. !	ug/l		AF40903	06/09/04	06/09/04	8260	
zene ene	ND ND	1 1 1		ı	AF40903	06/09/04	06/09/04	8260	-
zene nene /Ibenzene	ND ND ND	1 1 1		ı	AF40903	06/09/04	06/09/04	8260	
zene iene /ibenzene -xylene	ND ND ND ND	! ! ! !		ı	AF40903	06/09/04	06/09/04	8260	-
zene Jene Jibenzene -xylene Viene	ND ND ND ND ND	! ! ! ! 2 !		ı	AF40903	06/09/04	06/09/04	8260	
zene Jene Jibenzene -xylene Jene Jeopylbenzene	ND ND ND ND ND ND	! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !		ı	AF40903	06/09/04	06/09/04	8260	
zene lene libenzene -xylene lene oropylbenzene oropylbenzene	ND ND ND ND ND ND ND	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		ı	AF40903	06/09/04	06/09/04	8260	
zene vene vene vene vene vene vene vene	ND ND ND ND ND ND ND	1 1 2 1 1 1 1 1 1		ı	AF40903	06/09/04	06/09/04	8260	
zene vibenzenexylene viene viene viene vopylbenzene 5-trimethylbenzenebutylbenzene	ND ND ND ND ND ND ND ND	1 1 2 1 1 1 1 1 1		ı	n n n n n n n n n n n n n	06/09/04	06/09/04	8260	
zene vibenzenexylene viene viene viene viene vopylbenzene 5-trimethylbenzene butylbenzene 4-trimethylbenzene	ND ND ND ND ND ND ND ND ND	1 1 2 1 1 1 1		ı	AF40903	06/09/04	06/09/04	8260	
zene Jene Jene Jene Jene Jene Jene Jene	ND ND ND ND ND ND ND ND ND ND ND ND ND N	1 1 2 1 1 1 1			n 44 19 19 19 19 19 19 19 19 19 19 19 19 19	06/09/04	06/09/04	8260	
nzene prene prene prene propylene propylbenzene propyltoluene	ND ND ND ND ND ND ND ND ND ND ND ND ND N	1 1 2 1 1 1 1 1		ı	n n n n n n n n n n n n n	06/09/04	06/09/04	8260	
zene zene zene zene zene zene zene zene	ND ND ND ND ND ND ND ND ND ND ND ND ND N	1 1 2 1 1 1 1 1 1			n 44 19 19 19 19 19 19 19 19 19 19 19 19 19	06/09/04	06/09/04	8260	
nzene piene pylbenzene p-xylene propylbenzene propylbenzene potylbenzene potylbenzene potylbenzene potylbenzene potylbenzene putylbenzene potylbenzene potylbenzene potylbenzene potylbenzene potylbenzene potylbenzene potylbenzene potylbenzene potylbenzene	ND ND ND ND ND ND ND ND ND ND ND ND ND N	1 1 1 1 1 1 1	11 10 10 10 10 10 10 10 10 10 10 10 10 1		n 44 19 19 19 19 19 19 19 19 19 19 19 19 19	06/09/04	06/09/04	8260	
nzene piene pylbenzene p-xylene propylbenzene propylbenzene potylbenzene potylbenzene potylbenzene potylbenzene potylbenzene putylbenzene potylbenzene potylbenzene potylbenzene potylbenzene potylbenzene potylbenzene potylbenzene potylbenzene potylbenzene	ND ND ND ND ND ND ND ND ND ND ND ND ND N	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			n n n n n n n n n n n n n	06/09/04	06/09/04	8260	
ethyl tert-butyl ether nzene uene uylbenzene p-xylene sylene propylbenzene 1,5-trimethylbenzene 2,4-trimethylbenzene 2,5-butylbenzene 2,5-butylbenzene 2,5-butylbenzene 2,5-butylbenzene 2,6-trimethylbenzene 3,6-trimethylbenzene 3,6-trimethyl	ND ND ND ND ND ND ND ND ND ND ND ND ND N	1 1 1 1 1 1 1	11 10 10 10 10 10 10 10 10 10 10 10 10 1	1 1 1 1 1 1 1 1 1 1 1 1 1	n n n n n n n n n n n n n	06/09/04	06/09/04	8260	

P.O. Box 406 Buffalo NY, 14205 Project: New York State Projects

Project Number: Hamburg Turnpike 04B193.22

Project Manager: Doug Reid

Reported: 06/30/04 13:46

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TPMW5 (4F04009-05) Water	Sampled: 06/03/04 0	9:30 Received	1: 06/04/04	13:03					
Methyl tert-butyl ether	ND	1	ug/l	1	AF40903	06/09/04	06/09/04	8260	
benzene	ND	. 1	**	"	ti	"	"	ıı	Ų
toluene	ND		"		ıı		"	"	
ethylbenzene	ИD	1	u		11	. •			ι
m,p-xylene	ND	2	*	. H	".	"	**	71	, l
o-xylene	ИD	1	. "	. "	"	4	•	и.	ι
isopropylbenzene	ИD		"		n	۳.	н .	u .	₹.
n-propylbenzene	ND	1	11	11	· ·	11		4 .	. l
1,3,5-trimethylbenzene	ND	1	"	. 14	. "	. "	40	l1	Į
tert-buty/benzene	ND	1	. "	11	.n	. "	*	н	
1,2,4-trimethy/benzene	· ND	1	0	н	. 11		19	**	ι
sec-butylbenzene	. ND	1	* .	*	11	"	. н		ŧ
p-isopropy Itoluene	ND	1	۳ .		,,	it	н	. "	ι
n-butylbenzene	, , ND	Т	11	.*		. "	**	11	٠. ر
naphtbalene	ND	1	۳.			" .	"	. 00	. (
Surrogate: 1,2-Dichloroethane-d	4	80.0 %	76-1	4	H			. "	
Surrogate: Toluene-d8		97.7%	84-11	8	. "	μ .	п	#	
Surrogate: Bramofluorobenzene		99,3 %	85-12	23	**	"		"	
	i i								
TPMW6 (4F04009-06RE1) Was	ter Sampled: 06/03/	04 10:00 Rece	eived: 06/04	1/04 13:0)3.				
TPMW6 (4F04009-06RE1) Waldethyl tert-butyl ether	ter Sampled: 06/03/	04 10:00 Reco		I/04 13:0	AF41003	06/09/04	06/10/04	8260	
TPMW6 (4F04009-06RE1) Was Methyl tert-butyl ether benzene			ug/l			06/09/04	06/10/04	8260	U
Methyl tert-butyl ether	ND		ug/l			06/09/04	06/10/04	8260	-
Methyl tert-butyl ether benzene	ND ND		ug/l			06/09/04	06/10/04	8260	U
Methyl tert-butyl ether benzene toluene ethylbenzene	ND ND ND		ug/l			. #	06/10/04 ""	8260	U
Methyl tert-butyl ether benzene toluene	ND ND ND ND	1 1 1	ug/l			. #	06/10/04 "" "" ""	8260	U U
Methyl tert-butyl ether benzene toluene ethylbenzene m,p-xylene	ND ND ND ND ND	1 1 1	ug/l		AF41003	. #	06/10/04	8260	U U U
Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene	ND ND ND ND ND	1 1 1	ug/l	11 11 11 11	AF41003	. #	06/10/04	8260	U U U
Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene n-propylbenzene	ND ND ND ND ND ND	1 1 1	ug/l	11 11 11 11 11 11 11 11 11 11 11 11 11	AF41003	. #	06/10/04	8260 """"""""""""""""""""""""""""""""""""	U U U
Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene	ND ND ND ND ND ND 9	1 1 1	ug/l	19 19 19 19 19 19 19 19 19 19 19 19 19 1	AF41003	. #	06/10/04	8260	น น น บ
Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene	ND ND ND ND ND ND 9 17	1 1 1	ug/l	19 19 19 19 19 19 19 19 19 19 19 19 19 1	AF41003	. #	06/10/04	8260	0 0 0 0
Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene	ND ND ND ND ND ND 9 17 ND ND	1 1 1	ug/l	19 19 19 19 19 19 19 19 19 19 19 19 19 1	AF41003	. #	06/10/04	8260	0 0 0 0 0
Methyl tert-butyl ether benzene toluene ethylbenzene m,p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimethylbenzene	ND ND ND ND ND 9 17 ND ND ND	1 1 1	ug/l	19 19 19 19 19 19 19 19 19 19 19 19 19 1	AF41003	. #	06/f0/04	8260	0 0 0 0 0
Methyl tert-butyl ether benzene toluene ethylbenzene m,p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimethylbenzene sec-butylbenzene	ND ND ND ND ND 17 ND ND ND	1 1 1	ug/l	1 19 19 19 19 19 19 19 19 19 19 19 19 19	AF41003	. #	06/10/04	8260	0 0 0 0 0
Methyl tert-butyl ether benzene toluene ethylbenzene m,p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimethylbenzene sec-butylbenzene p-isopropyltoluene	ND ND ND ND ND 9 17 ND ND ND	1 1 1	ug/l	1 19 19 19 19 19 19 19 19 19 19 19 19 19	AF41003	. #	06/10/04	8260	0 0 0 0 0
Methyl tert-butyl ether benzene toluene ethylbenzene m,p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimethylbenzene sec-butylbenzene p-isopropyltoluene n-butylbenzene naphthalene	ND ND ND ND ND 9 17 ND ND ND 4 ND 4	1 1 1	ug/l		AF41003	. #	06/10/04	8260	0 0 0 0 0
Methyl tert-butyl ether benzene toluene ethylbenzene m,p-xylene o-xylene isopropylbenzene n-propylbenzene l,3,5-trimethylbenzene tert-butylbenzene l,2,4-trimethylbenzene sec-butylbenzene p-isopropyltoluene n-butylbenzene	ND ND ND ND ND 9 17 ND ND ND 4 ND 4	 1 2 1 1 1 1 1 1	10g/l 11 11 11 11 11 11 11 11 11 11 11 11 11	1 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	AF41003	. #	06/10/04 11 11 11 11 11 11 11 11 11	8260	0 0 0 0 0

P.O. Box 406 Buffalo NY, 14205 Project: New York State Projects

Project Number: Hamburg Turnpike 04B193.22

Project Manager: Doug Reid

Reported: 06/30/04 13:46

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TPMW7 (4F04009-07) Water	Sampled: 06/03/04 10:30) Received	: 06/04/04	13:03					
Methyl tert-butyl ether	ND	1	ug/l	ı	AF40903	06/09/04	06/09/04	8260	
benzene	ND	1	"	•	44		••	. •	٠ (
toluene	ND ND	1	,,	ń	•	. 6	•		ŧ
ethylbenzene	ND	1	11	н .	tr	"	"	"	Į
m,p-xylene	ND	2	i	•	Ħ				
o-xylene	ND	1	. #	н	"				ŧ
isopropylbenzene	ND	. 1	н .	11		0 .	ti .		. (
n-propylbenzene	ND	1	. 61	. 10	P	n	11	D	į
1,3,5-trimethylbenzene	ND	· 1		**	н		· . "	n n	ι
tert-butylbenzene	ND	1		"	19		и .	и	Į.
1,2,4-trimethylbenzene	ND	. 1	**	14 .	H	†I			ŧ
sec-butylbenzene	ND	. 1	. "		. 11	."	11	· n	ι
p-isopropyltoluene	ND	1	п	ır	11	u·	*		. (
n-butylbenzene	ND	1		. "	H	n	· u	, , , H	ŧ
naphthalene	ND	ı	. "	u	11		11	u u	į
Surrogate: 1,2-Dichloroethane-	44	.76.7%	76-11	4	H	"	. "		
Surrogate: Toluene-d8		93.7 %	84-11	8	81	**	"		
Surrogate: Bromofluorobenzene		98.7%	85-12	23	"	"	"	H	
TPMW8 (4F04009-08) Water Methyl tert-butyl ether	Sampled: 06/03/04 11:00 ND	Received 1	: 06/04/04 ug/l	13:03	AF40903	06/09/04	06/09/04	8260	l
benzene	ND	ı	"	н		u	. н	н	٠. ا
toluene	ND	1	11		. "				Ĺ
ethylbenzene	ND	1		.,		**		**	1
m,p-xylene	ND	2	**		. 11	r	*	н	ti
o-xylene	ND	1		н		ń	. н		U
isopropylbenzene	ND	1	n .	. #	н	ni.		•	U
n-propylbenzene	ND	1		n	a .	. 11		Ħ	l,
				•					
1,3,5-trimethylbenzene	ND	1				н	. н	"	Ų
1,3,5-trimethylbenzene iert-butylbenzene		1 1	er H		ų.	. н	H H	H	t t
	ND	1	11 11	ei	6 P	н 0 п	H H	H H	
ert-butylbenzene i,2,4-trimethylbenzene	ND ND	1 1	# # #		6. P 11	H H H	и и п	H H H	ι
ert-butylbenzene i,2,4-trimethylbenzene sec-butylbenzene	ND ND ND	1 1	11 0 10	11 11 11 11 11 11 11 11 11 11 11 11 11	6 P B B	11 11 11 11	H H H H	и п п	t
ert-butylbenzene i,2,4-trimethylbenzene sec-butylbenzene p-isopropyltoluene	ND ND ND ND	1 1 1	e H O B H	я О П Я Н	6 P 11 11	N 0 17 18 18 18 18 18 18 18 18 18 18 18 18 18	H H H H H H H H H H H H H H H H H H H	H H H H H H H H H H H H H H H H H H H	t t
ert-butylbenzene i,2,4-trimethylbenzene sec-butylbenzene o-isopropyltoluene n-butylbenzene	ND ND ND ND ND	1 1 1 1 1	e H U H H U	4	0 11 11 11	N 41 11 11 11 11 11 11 11 11 11 11 11 11	H H H H H H H H H H H H H H H H H H H	H 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	t t
ert-butylbenzene i,2,4-trimethylbenzene sec-butylbenzene o-isopropyltoluene n-butylbenzene naphthalene	ND ND ND ND ND ND ND	1 1 1 1 1 1	" " " " 76-11		6 9 6 11	n	H H H H H H H H H H H H H H H H H H H	H H H H H H H H H H H H H H H H H H H	t t t t
ert-butylbenzene	ND ND ND ND ND ND ND	1 1 1 1 1 1 78.0 %	0 P H U	# · · · · · · · · · · · · · · · · · · ·	0 P T T T T T T T T T T T T T T T T T T	n n n n n n n n n n n n n n n n n n n	11 11 11 11 11 11 11 11 11 11 11 11 11	H	t t t t

P.O. Box 406 Buffalo NY, 14205 Project: New York State Projects

Project Number: Hamburg Turnpike 04B193.22

Project Manager: Doug Reid

Reported: 06/30/04 13:46

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FPMW9 (4F04009-09) Water	Sampled: 06/03/04 11:30	Received	: 06/04/0	4 13:03					
Methyl tert-butyl ether	ND	i	ug/l	1	AF40903	06/09/04	06/09/04	8260	(
benzene	ND	1	н	н	tt	rt		"	Į.
toluene	ND	- 1	. 11	н	"	n	"	11	(
ethylbenzene	ND	1		. "	9	,,	. "	"	,
m,p-xylene	ND	2	**	**		"	**	19	, ,!
o-xylene	ND	i	н	II.	B	**	•	. "	. (
isopropy Ibenzene	ND	1		н	a	u		**	,
n-propyibenzene	ND	1	" .	н	, 11	п.	ų	н	(
1,3,5-trimethylbenzene	ND	1	**	44	n	. "	." .	n	,
tert-butylbenzene	ND .	ļ	u	. •	Ħ	"	. 10	n .	. (
1,2,4-trimethylbenzene	ND	i	a		Ħ	"	. 4	"	1
sec-butylbenzene	ND	1		11	69		11	. "	,
p-isopropyltoluene	ND	. 1	"	•	10	. "	.,		,
n-butylbenzene	ND	1		. 11	н	` 0	"	"	Ţ
naphthalene	ND	i	"	(1		U		. "	
Surrogate: 1,2-Dichloroethane-a	14	79.3 %	76-		11	"	"		
Surrogate: Toluene-d8		98.3 %	84-	118	"	"	. "	."	
Surrogate: Bromofluorobenzene		98.7 %	85-		"	."	"		
TPMW10 (4F04009-10RE1) W		12:00 Rec				06/09/04	06/10/04	8260	
Methyl tert-butyl ether	ND		ug/l	. 1	AF41003	00/09/04	06/10/04	8.200	,
benzene Aslama	54 15	10							
toluene	13 78	10	11	. "	. H			n	
ethylbenzene m,p-xylene	/6 51	20	. "	. "		ii -			
ni,p-xylene D-xylene	15	10	H					. 44	
sopropylbenzene	54	. 10	"	н	н		**	и	
sopropylbenzene n-propylbenzene	69	10	. 11		41	#	**	н	
1,3,5-trimethylbenzene	14	10			u	•		0	
tert-butylbenzene	ND	10						н	. (
1,2,4-trimethylbenzene	15	10			. It	. 0	"	ø	
sec-butylbenzene	ND	10			it.	я .		11	
	ND ND	10	#		10	,	11	. 11	į
n icopropultoluses		10			. "				. (
p-isopropyltoluene		1.0	11						
n-butylbenzene	33	10	"						
n-butylbenzene naphthalene	33 ND	10	,n	Ħ	. 11	"	"	16	
n-butylbenzene naphthalene Surrogate: 1,2-Dichloroethane-d	33 ND	78.7 %	76-	114	11	н	n #	#	
n-butylbenzene	33 ND	10		" 	. 11	II H	n #	# #	And an annual state of the stat

P.O. Box 406 Buffalo NY, 14205 Project: New York State Projects

Project Number: Hamburg Turnpike 04B193.22

Project Manager: Doug Reid

Reported: 06/30/04 13:46

Analyte	Resul	Reporting Limi		Dilution	Batch	Prepared	Analyzed	Method	Notes
TPMW11 (4F04009-11) Water	Sampled: 06/03/04		ved: 06/04/	04 13:03					
Methyl tert-butyl ether	· ND		l ug/l	. 1	AF40903	06/09/04	06/09/04	8260	U
benzene	ND	,	1 " .	**	P)	•		"	U
toluene	ND	i '	1 "		PF .		i		U
ethylbenzene	ND.	,	į n	16	. 10			41	· U
m.p-xylene	ND	, :	2 " .	II	**	11	.#	ıı .	U
o-xylene	ND		1	"	u		. (1	#1	U
isopropylbenzene	, ND		1 "		п	, п	."	11	U
n-propylbenzene	. ND	· ·	ļ ¹¹	. "	и	n			. U
1,3,5-trimethylbenzene	ND	,	1 "	H			" '		U
tert-butylbenzene	ND		1 " .	"		. 11	"	. 10	· · · · · · · · · · · · · · · · · · ·
1,2,4-trimethylbenzene	ND.		1 "	**	th.		. "	11	
sec-butylbenzene	ND	, 1	1 "	11	11	a		i	U
p-isopropyltoluene	ND		1 "	11 .	**	. н			. U
n-buty lbenzene	ND		1 "	'n	. 41	и .		"	. (1
naphthalene	ND		1 "	,,	0.	11	. "	. 10	. U
Surrogate: 1,2-Dichloroethane-d-	1	83.7 %		1]4	H	ii ii	,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Surrogate: Toluene-d8		88.3 %		118	#	"	"		
Surrogate: Bromofluorobenzene		99.3 %	6 85-	123	**	, "	"	**	
BH9 (14-16) (4F04009-12) Soil	Sampled: 06/01/04	00:00 Recei	ved: 06/04/	04 13:03	•	:			
Methyl tert-butyl ether	ND		9 ug/kg dry	ı	AF40902	06/09/04	06/09/04	8260	Ü
benzene	12	ŗ	9 . "	u	tr	ti			
toluene	ND							,,	
	ND		9 "	n	и		· n	и	
ethylbenzene	17		9 "	n	11 17	H	, n	n n	. 0
ethylbenzene m,p-xylene		, ,	9 "		H P		. u	# # #	· U
ethylbenzene m,p-xylene o-xylene	17	,	9 "		11 13		. D . U	n n	U
m,p-xylene o-xylene	17 51	18 9	9 4		H D H		1) () () ()	19 10 18 10	
m,p-xylene o-xylene isopropylbenzene	17 51 ND	1 5 18 1 5	9 " 8 " 9 "				0 0 0 0	19 19 10 10 11	
m,p-xylene o-xylene isopropylbenzene n-propylbenzene	17 51 ND 30	18 18 9 9	9 " 8 " 9 "		u H		10 11 10 11 11	9 0 0 11 9	
m,p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene	17 51 ND 30 62	5 18 5 6 9	9 " 8 " 9 "		u H		0 0 0 0 0 0	9 0 9 11 11 11 11	
m,p-xylene o-xylene isopropylbenzene n-propylbenzene	17 51 ND 30 62 64	9 18 9 9 9	9 4 8 7 9 8 9 8 9 8	n n u	u H		D U U U U U U U U U U U U U U U U U U U	# # # # # # # # # # # # # # # # # # #	U
m,p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene	17 51 ND 30 62 64 ND	18 18 9 9 9 9	9 "	n n u	u H		10 11 11 11 11 11 10 10	# # # # # # # # # # # # # # # # # # #	U
m,p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimethylbenzene	17 51 ND 30 62 64 ND 137	18 18 9 9 9 9	9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 " " " 9 " " " 9 " " " " 9 " " " " 9 " " " " 9 " " " " 9 " " " " 9 " " " " 9 " " " " 9 " " " " 9 " " " " " 9 "	0 11 11 11 10 10 11	11 11 11 11		10 11 11 11 10 10 10 11	17 17 18 10 11 11 10 10 10	υ
m,p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimethylbenzene sec-butylbenzene	17 51 ND 30 62 64 ND 137 ND	18 9 9 9 9 9	9 " " " 9 " " " 9 " " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9	0 11 11 11 10 10 11	11 14 11 10 11		10 11 10 10 10 10 10 10 10 10 10 10 10 1	17 17 19 10 11 11 10 10 11	u ú
m,p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimethylbenzene sec-butylbenzene p-isopropyltoluene	17 51 ND 30 62 64 ND 137 ND	18 18 5 5 6 9	9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 " " " 9 " " " 9 " " " 9 " " " 9 " " " 9 " " " 9 " " " 9 " " " 9 " " " 9 " " " 9 " " " 9 " " " 9 " " " 9 " " " 9 " " " 9 " " " 9 " " " 9 " " " 9 " " " 9 " " " " 9 " " " 9 " " " 9 " " " 9 " " " 9 " " " " 9 " " " " 9 " " " " 9 " " " " 9 " " " " 9 " " " " 9 " " " " " 9 " " " " " 9 " " " " " 9 "	0 11 11 11 10 10 11	11 14 11 10 11		17 11 11 11 11 11 11 11 11 11 11 11 11 1	11 11 11 11 11 11 11 11 11 11 11 11 11	u ú
m,p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimethylbenzene sec-butylbenzene p-isopropyltoluene n-butylbenzene naphthalene	17 51 ND 30 62 64 ND 137 ND ND 28	18 18 5 5 6 9	9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 " " 9 9 " " 9 9 " " 9 9 " " 9 " " 9 9 " " 9 9 " " 9 9 " " 9 9 " " 9 9 " " 9 9 " " 9 9 " " 9 9 " " 9 9 " " 9 9 " " 9 " " 9 9 " " 9 9 " " 9 9 " " 9 9 " " 9 9 " " 9 9 " " 9 9 " " 9 9 " " 9 9 " " 9 9 " " 9 9 " " " 9 " " 9 " " " 9 " " " 9 " " 9 " " " " 9 " " " 9 " " " " 9 " " " " 9 " " " " 9 " " " " 9 " " " " " " " " " " " " " "	0 0 0 9 0 8 0 8	0 0 0 0 0 0		10 11 10 10 10 10 10 10 10 11 11 11	# # # # # # # # # # # # # # # # # # #	u ú
m,p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimethylbenzene sec-butylbenzene p-isopropyltoluene n-butylbenzene	17 51 ND 30 62 64 ND 137 ND ND 28	18 9 9 9 9 9 9 9	9 " 8 " 9 " 9 " 9 " 9 " 9 " 9 " 9 "	n n n n n n n n n n n n n n n n n n n	11 11 11 11 11 11 11		10 11 10 10 10 10 10 10 10 10 10 10 10 1	# # # # # # # # # # # # # # # # # # #	u ú

P.O. Box 406 Buffalo NY, 14205 Project: New York State Projects

Project Number: Hamburg Turnpike 04B193.22

Project Manager: Doug Reid

Reported: 06/30/04 13:46

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH10 (8-10) (4F04009-13) Soil	Sampled: 06/01/04 0	0;00 Receiv	ed: 06/04/	04 13:03			-		
Methyl tert-butyl ether	ND	. 9	ug/kg dry	1	AF40902	06/09/04	06/09/04	8260	Ų
benzene	44	9	N	li .	*	ŧ	•	" .	
toluene	34	.9	11	. "	P		*	и	
ethylbenzene	525	9	"	**	II .	n	•	н	
m,p-xylene	323	17	11		и .		, H	В	
o-xylene	16	. 9	"	. 0	n		u	u	
isopropylbenzene	74	. 9	,		ti '	. н			
n-propylbenzene	176	9		"	. 11	i	·		
1,3,5-trimethylbenzene	167	. 9	*	n	11	. •		н	
tert-butylbenzene	ND	9	. #	n	n	. **	. и	. "	· ·
1,2,4-trimethylbenzene	19	9	**		ч	н		. "	
sec-butylbenzene	18	9		"	. "	n .	4	11	
p-isopropyltoluene	12	9	•		er .	n	10		
n-butylbenzene	79	. 9	11	н .	. 11		"	"	
naphthalene	228	9	. "	. "	**	iı	"	. "	
Surrogate: 1,2-Dichloroethane-da	<i></i>	117%	69-	132	P		rt		
Surrogate: Toluene-d8		94.0 %	. 81-	121	"		. "		
Surrogate: Bromofluorobenzene		101 %	83-	121	n	n		"	*.
BH11 (8-10) (4F04009-14) Soil	Sampled: 06/01/04 0	0:00 Receive	ed • 06/04/	na 13-03	•				
				7 13.03					
Methyl tert-butyl ether	ND	10	ug/kg dry	1	AF40902	06/09/04	06/09/04	8260	····
Methyl tert-butyl ether benzene	ND 17	10 10		1	AF40902	06/09/04	06/09/04	8260	
Methyl tert-butyl ether benzene toluene	ND 17 39	10 10 10	ug/kg dry	1	AF40902		06/09/04	8260	l,i
Methyl tert-butyl ether benzene toluene ethylbenzene	ND 17 39 868	10 10 10	ug/kg dry	1 "	AF40902		06/09/04	8260	·······································
Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene	ND 17 39 868 336	10 10 10 10 20	ug/kg dry " " " "	1 "	AF40902		06/09/04 " " "	8260 " "	u
Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene	ND 17 39 868 336 46	10 10 10 10 20 10	ug/kg dry " " " "	1 1 11 11	AF40902		86/09/04 	8260	· · · · · · · ·
Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene	ND 17 39 868 336 46	10 10 10 10 20 10	ug/kg dry	1 " " "	AF40902		86/09/04	8260 "" "	· · · · · · · · · · · · · · · · · · ·
Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene n-propylbenzene	ND 17 39 868 336 46 166 308	10 10 10 10 20 10	ug/kg dry	1	AF40902		86/09/04	8260	u u
Methyl tert-butyl ether benzene toluene ethylbenzene m,p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene	ND 17 39 868 336 46 166 308	10 10 10 10 20 10 10	ug/kg dry		AF40902		96/09/04	8260 "" "" ""	
Methyl tert-butyl ether benzene toluene ethylbenzene m,p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene	ND 17 39 868 336 46 166 308 291	10 10 10 10 20 10 10 10	ug/kg dry	1 11 11 11 11 11	AF40902		96/09/04	8260 "" " " " " " " " "	U
Methyl tert-butyl ether benzene toluene ethylbenzene m,p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimethylbenzene	ND 17 39 868 336 46 166 308 291 ND 93	10 10 10 10 20 10 10 10	ug/kg dry	1 1 11 11 11 11	AF40902		96/09/04 "" "" ""	8260 "" " " " " " "	
Methyl tert-butyl ether benzene toluene ethylbenzene m,p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene i,2,4-trimethylbenzene sec-butylbenzene	ND 17 39 868 336 46 166 308 291 ND 93	10 10 10 20 10 10 10 10	ug/kg dry	1 11 11 11 11 11	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		06/09/04	8260 	
Methyl tert-butyl ether benzene toluene ethylbenzene m,p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimethylbenzene sec-butylbenzene p-isopropyltoluene	ND 17 39 868 336 46 166 308 291 ND 93 41	10 10 10 20 10 10 10 10	ug/kg dry	1 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11		06/09/04	8260	
Methyl tert-butyl ether benzene toluene ethylbenzene m,p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene i,2,4-trimethylbenzene sec-butylbenzene	ND 17 39 868 336 46 166 308 291 ND 93 41 42	10 10 10 20 10 10 10 10 10	ug/kg dry	1 11 11 11 11 11	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		H	8260 a n a n a n n n n n n n n n n n n n n	
Methyl tert-butyl ether benzene toluene ethylbenzene m,p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimethylbenzene sec-butylbenzene p-isopropyltoluene	ND 17 39 868 336 46 166 308 291 ND 93 41	10 10 10 20 10 10 10 10 10	ug/kg dry	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 11 11 11 11 11 11 11 11 11 11 11 11		06/09/04	8260 a n a a n n n	
Methyl tert-butyl ether benzene toluene ethylbenzene m,p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimethylbenzene sec-butylbenzene p-isopropyltoluene n-butylbenzene	ND 17 39 868 336 46 166 308 291 ND 93 41 42 162	10 10 10 20 10 10 10 10 10	ug/kg dry	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 11 11 11 11 11 11 11 11 11 11 11 11		H	8260 a n a a n a n	
Methyl tert-butyl ether benzene toluene ethylbenzene m,p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene i,2,4-trimethylbenzene sec-butylbenzene p-isopropyltoluene n-butylbenzene naphtbalene	ND 17 39 868 336 46 166 308 291 ND 93 41 42 162	10 10 10 20 10 10 10 10 10	ug/kg dry	1 1 1 1 1 1 1 1 1 1	11 11 11 11 11 11 11 11 11 11 11 11 11		H	8260 a n a a n a n a n	V

P.O. Box 406 Buffalo NY, 14205 Project: New York State Projects

Project Number: Hamburg Turnpike 04B193.22

Project Manager: Doug Reid

Reporting

Reported: 06/30/04 13:46

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte		Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH12 (4-6) (4F04009-15) Soil	Sampled: 06/0	1/04 00:00	Received	: 06/04/04 1	3:03					
Methyl tert-butyl ether		ND		ug/kg dry	1	AF40902	06/09/04	06/09/04	8260	
benzene		ND	10	"	u	11	**	"		. 1
toluene		ND	10		h		"	**	•	1
ethylbenzene	•	ND	10	"	. (1	"	"	*	"	. 1
m,p-xylene		ND	20	19	10		"	"	n n	
o-xylene		ND	. 10	n		#	. "	**	. "	
isopropylbenzene		ND	10		· H		**	. "	"	
n-propylbenzene	4.0	ND	10	90	n			"	"	
1,3,5-trimethylbenzene		ND	10	P	и,		, h		11	
tert-butylbenzene		ND	10	11		11	н	n	. "	. !
1,2,4-trimethylbenzene		ND	10	. "	. **	**			n	1
sec-butylbenzene		ND	10	er .	n	"	H		11	
p-isopropy Itoluene		ND	10	11	**	n	17	11	"	
n-butylbenzene		ND	10	•	H	. "			ч	
naphthalene		ND	10	11	"	u,	tt	II .	"	
•	77		J03 %	69-13	2			" "	"	
Surrogate: 1.2-Dichloroethane-a	14						**	.,	•	
			92.0 %	81-12	1	"	.,			
Surrogate: 1,2-Dichloroethane-t Surrogate: Toluene-d8 Surrogate: Bramofluorobenzene	17		92.0 % 107 %	81-12 83-12		,*	n	,,	n	
Surrogate: Toluene-d8 Surrogate: Bromofluorobenzene BH13 (6-8) (4F04009-16) Soil	Sampled: 06/0		107 % Received	83-12 1: 06/04/04 1	1 .	A F40902		06/09/04	8260	
Surrogate: Toluene-d8 Surrogate: Bromofluorobenzene BH13 (6-8) (4F04009-16) Soil Methyl tert-butyl ether		ND	107 % Received	83-12	1 .	AF40902	06/09/04	06/09/04	8260	
Surrogate: Toluene-d8 Surrogate: Bromofluorobenzene BH13 (6-8) (4F04009-16) Soil Methyl tert-butyl ether benzene		ND ND	107 % Received	83-12 1: 06/04/04 1	1 .	AF40902		06/09/04	8260	
Surrogate: Toluene-d8 Surrogate: Bromofluorobenzene BH13 (6-8) (4F04009-16) Soil Methyl tert-butyl ether benzene toluene		ND ND ND	107 % Received 8 8 8	83-12 1: 06/04/04 1	1 .	AF40902		06/09/04	8260	
Surrogate: Toluene-d8 Surrogate: Bromofluorobenzene BH13 (6-8) (4F04009-16) Soil Methyl tert-butyl ether benzene toluene ethylbenzene		ND ND ND	107 % Received 8 8 8 8	83-12 1: 06/04/04 1	1 .	,,		06/09/04	8260	
Surrogate: Toluene-d8 Surrogate: Bromofluorobenzene BH13 (6-8) (4F04009-16) Soil Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene		ND ND ND ND ND	107 % Received 8 8 8	83-12 1: 06/04/04 1	1 .	,,		06/09/04	8260	
Surrogate: Toluene-d8 Surrogate: Bromofluorobenzene BH13 (6-8) (4F04009-16) Soil Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene		ND ND ND ND ND ND	8 8 8 8 8	83-12 1: 06/04/04 1	3:03	,,		06/09/04	8260	
Surrogate: Toluene-d8 Surrogate: Bromofluorobenzene BH13 (6-8) (4F04009-16) Soil Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene		ND ND ND ND ND ND ND	8 8 8 8 8 17 8	83-12 1: 06/04/04 1	3:03	,,		06/09/04	8260	
Surrogate: Toluene-d8 Surrogate: Bromofluorobenzene BH13 (6-8) (4F04009-16) Soil Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene n-propylbenzene		ND ND ND ND ND ND ND ND ND ND	8 8 8 8 8 17	83-12 l: 06/04/04 1 ug/kg dry "	3:03	,,		06/09/04	8260	
Surrogate: Toluene-d8 Surrogate: Bromofluorobenzene BH13 (6-8) (4F04009-16) Soil Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene		ND ND ND ND ND ND ND ND ND ND ND ND ND N	8 8 8 8 17 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	83-12 l: 06/04/04 1 ug/kg dry "	3:03	11 12 13 14 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18		06/09/04	8260 "" " " " " " " "	
Surrogate: Toluene-d8 Surrogate: Bromofluorobenzene BH13 (6-8) (4F04009-16) Soil Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene		ND ND ND ND ND ND ND ND ND ND ND ND ND N	8 8 8 8 8 17 8 8 8	83-12 1: 06/04/04 1 10g/kg dry	3:03	11 12 13 14 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18		06/09/04	8260 " " " " " " " " " " " "	
Surrogate: Toluene-d8 Surrogate: Bromofluorobenzene BH13 (6-8) (4F04009-16) Soil Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimetbylbenzene		ND ND ND ND ND ND ND ND ND ND ND ND ND N	8 8 8 8 17 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	83-12 1: 06/04/04 1 ug/kg dry	3:03	11 12 13 14 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18		06/09/04	8260 	
Surrogate: Toluene-d8 Surrogate: Bromofluorobenzene BH13 (6-8) (4F04009-16) Soil Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimetbylbenzene sec-butylbenzene		ND ND ND ND ND ND ND ND ND ND ND ND ND N	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	83-12 1: 06/04/04 1 ug/kg dry	3:03	11 12 13 14 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18		06/09/04	8260	
Surrogate: Toluene-d8 Surrogate: Bromofluorobenzene BH13 (6-8) (4F04009-16) Soil Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimethylbenzene sec-butylbenzene p-isopropyltoluene		ND ND ND ND ND ND ND ND ND ND ND ND ND N	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	83-12 1: 06/04/04 1 ug/kg dry	3:03	11 12 13 14 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18		06/09/04	8260 	
Surrogate: Toluene-d8 Surrogate: Bromofluorobenzene BH13 (6-8) (4F04009-16) Soil Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimetbylbenzene sec-butylbenzene p-isopropyltoluene n-butylbenzene		ND ND ND ND ND ND ND ND ND ND ND ND ND N	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	83-12 1: 06/04/04 1 ug/kg dry	3:03	11 12 13 14 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18		06/09/04	# 8260 ** ** ** ** ** ** ** ** ** *	
Surrogate: Toluene-d8 Surrogate: Bromofluorobenzene BH13 (6-8) (4F04009-16) Soil Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene n-propylbenzene 1.3.5-trimethylbenzene tert-butylbenzene 1.2.4-trimethylbenzene sec-butylbenzene p-isopropyltoluene n-butylbenzene naphthalene	Sampled: 06/0	ND ND ND ND ND ND ND ND ND ND ND ND ND N	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	83-12 1: 06/04/04 1 10g/kg dry " " " " " " " " " " " "	3:03	17 10 11 10 10 10 10 10 10 10 10 10 10 10		11 11 11 11 11 11 11 11 11 11 11 11 11	# 8260 ** ** ** ** ** ** ** ** ** *	
Surrogate: Toluene-d8 Surrogate: Bromofluorobenzene BH13 (6-8) (4F04009-16) Soil Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimetbylbenzene sec-butylbenzene p-isopropyltoluene n-butylbenzene	Sampled: 06/0	ND ND ND ND ND ND ND ND ND ND ND ND ND N	8 8 8 8 8 17 8 8 8 8 8 8	83-12	3:03	17 10 10 10 10 10 10 10 10 10 10 10 10 10		11 11 11 11 11 11 11 11 11 11 11 11 11	8260 ** ** ** ** ** ** ** ** ** *	

Waste Stream Technology Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

P.O. Box 406 Buffalo NY, 14205 Project: New York State Projects

Project Number: Hamburg Turnpike 04B193.22

Project Manager: Doug Reid

Reported: 06/30/04 13:46

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	F	Result	Repo	rting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH14 (8-10) (4F04009-17) Soil	Sampled: 06/0	1/04 (0:00 R	eceive	d: 06/04/0	4 13:03					
Methyl tert-butyl ether		ND		10	ug/kg dry	ı	AF40902	06/09/04	06/09/04	8260	ı
benzene		ИD		10	μ	•	. "		•	n	'
toluene		ИD		10	"	"	**	"	. "		, 1
ethylbenzene		20		10	•	. "	. "				
m,p-xylene		ΝD		20		*	н	n	10	. "	١
o-xylene		ND		10	"	n			"	11	
isopropylbenzene		52		10	. 11	· п	"		ď	. 11	
n-propyibenzene		129	*	10		. 11	, ,,	N.	н	**	
1,3,5-trimethylbenzene		109		. 10	,,				. "	•	
tert-butylbenzene		ND		10	11		.11	11		n	
1,2,4-trimethylbenzene		ND		.10		,	U.	ď	'n		1
sec-butylbenzene		28		10	11	"	,n	н	14 .	* .	
p-isopropyltoluene		19		10		. "	. "	11	n n		
n-butylbenzene		76		10	**	."	"	II	**	li li	
naphthalene		98		10	. "	. 11	"	ıı	*	•	
Surrogate: 1,2-Dichloroethane-de	<i>T</i>		7	19%	69-	32		#	· . •	,,	
Surrogate: Toluene-d8	* .		98.	,7 %	81-	121	. #	n		п	
Surrogate: Bromofluorobenzene	**		. 10	16 %	83-	121	. "	**		. "	
		,					•				
BU15 (4.6) (AF04009-19DE1) Sc	il Sampled: (16/01/	14 00:00	Rec	eived: 06/0	14/04 13:0	3	•			
BH15 (4-6) (4F04009-18RE1) So Methyl tert-butyl ether	oil Sampled: 0		04 00:00		eived: 06/0	1 13:0	3 AF40902	06/09/04	06/09/04	8260	
Methyl tert-butyl ether	oil Sampled: 0	ND	04 00:00	10 10	ug/kg dry			06/09/04	06/09/04	8260 u	·
Methyl tert-butyl ether benzene	oil Sampled: 0	ND ND	04 00:00	10 10					06/09/04	8260	
Methyl tert-butyl ether benzene toluene	oil Sampled: 0	ND	04 00:00	10					06/09/04	8260 "	ŧ
Methyl tert-butyl ether benzene toluene ethylbenzene	oil Sampled: 0	ND ND ND	04 00:00	10 10 10					06/09/04	8260 " "	. T
Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene	oil Sampled: 0	ND ND ND ND	04 00:00	10 10 10 10					06/09/04 " " " " "	8260 " " " " " " " " " " " " " " " " " " "	! !
Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene	oil Sampled: 0	ND ND ND ND ND	04 00:00	10 10 10 10 20					06/09/04 " " " " " " "	8260 " " " " " " " " " " " " " " " " " " "	- t
Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene	oil Sampled: 0	ND ND ND ND ND ND	04 00:00	10 10 10 10 20 10				1) 11 11 11 11 11 11 11 11 11 11 11 11 1	06/09/04	8260	1 1 1
Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene n-propylbenzene	oil Sampled: 0	ND ND ND ND ND ND	04 00:00	10 10 10 10 20 10				1) 11 11 11 11 11 11 11 11 11 11 11 11 1	06/09/04 # # # # # # # # # # # # # # # # # # #	8260 u a a a a a	
Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene	oil Sampled: 0	ND ND ND ND ND ND ND	04 00:00	10 10 10 10 20 10 10				1) 11 11 11 11 11 11 11 11 11 11 11 11 1	06/09/04 # # # # # # # # # # #	8260 u u u u u u u	
Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene	oil Sampled: 0	ND ND ND ND ND ND ND ND	04 00:00	10 10 10 10 20 10 10 10				1) 11 11 11 11 11 11 11 11 11 11 11 11 1	06/09/04 	8260 "" "" "" "" "" "" "" "" "" "" "" "" ""	1 1 1 1
Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimethylbenzene	oil Sampled: 0	ND ND ND ND ND ND ND ND ND	04 00:00	10 10 10 10 20 10 10 10				1) 11 11 11 11 11 11 11 11 11 11 11 11 1	06/09/04 n n n n n	8260	1 1 1 1
Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimethylbenzene sec-butylbenzene	oil Sampled: 0	ND ND ND ND ND ND ND ND ND ND	04 00:00	10 10 10 10 20 10 10 10 10				1) 11 11 11 11 11 11 11 11 11 11 11 11 1	06/09/04 n n n n n n n n n	8260 " " " " " " " " " " " " " " " " " " "	! 1 1 1
Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimethylbenzene sec-butylbenzene p-isopropyltoluene	oil Sampled: 0	ND ND ND ND ND ND ND ND ND ND ND ND ND N	04 00:00	10 10 10 10 20 10 10 10 10				1) 11 11 11 11 11 11 11 11 11 11 11 11 1	# # # # # # # # # # # # # # # # # # #	8260	
Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2.4-trimethylbenzene sec-butylbenzene p-isopropyltoluene n-butylbenzene	oil Sampled: 0	ND ND ND ND ND ND ND ND ND ND ND ND ND N	04 00:00	10 10 10 10 20 10 10 10 10 10 10	ug/kg dry " " " " " " " " " " " "			1) 11 11 11 11 11 11 11 11 11 11 11 11 1	# # # # # # # # # # # # # # # # # # #	8260	
Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimethylbenzene sec-butylbenzene p-isopropyltoluene n-butylbenzene		ND ND ND ND ND ND ND ND ND ND ND ND ND N		10 10 10 10 20 10 10 10 10 10 10	ug/kg dry " " " " " " " " " " " " " "	1 0 0 0 0 0 0 0 0 0		1) 11 11 11 11 11 11 11 11 11 11 11 11 1	# # # # # # # # # # # # # # # # # # #	11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Methyl tert-butyl ether benzene toluene ethylbenzene m.p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2.4-trimethylbenzene sec-butylbenzene p-isopropyltoluene n-butylbenzene		ND ND ND ND ND ND ND ND ND ND ND ND ND N	16	10 10 10 10 20 10 10 10 10 10 10	ug/kg dry	1 """"""""""""""""""""""""""""""""""""		1) 11 11 11 11 11 11 11 11 11 11 11 11 1	# # # # # # # # # # # # # # # # # # #	11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

P.O. Box 406 Buffalo NY, 14205 Project: New York State Projects

Project Number: Hamburg Turnpike 04B193.22

Project Manager: Doug Reid

Reported: 06/30/04 13:46

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Anniyzed	Method	Notes
BH17 (15-15.75) (4F04009-19RE1) So	il Sampled: 06	/02/04 00:00	Received:	06/04/04	4 13:03				
Methyl tert-butyl ether	ND	10	ug/kg dry	1	AF41001	06/09/04	06/10/04	8260	
benzene	ND	10	ıt	**		"	"	•	
toluene	ИD	10	D	54 ·	*		"	"	
ethylbenzene	ND	10	II .	**	D .	rt	. ".	•	
n,p-xylene	ND	20	v	н	in .	11	**		1
o-xylene	ND	10	. "			"	, и	บ	1
sopropylbenzene	ND	10	. В	R		. "	11	. "	
n-propylbenzene	ND	10	u	tr	Ħ	"	•		
1,3,5-trimethylbenzene	ND	10	. "	н	н	"	•		
ert-butylbenzene	ND	10	n.	tr	*			n	
,2,4-trimethylbenzene	12	10	·	н		R	. •	. "10	
sec-butylbenzene	ND	10	н	. 11	. 11		"	. "	
o-isopropyltoluene	ND	10	u	. P	"	"	, н	#	·
n-buty/benzene	ND	10	11	11	11	11 .		,,	
aphthalene	ND	10	u	D	"	H	- 19	. "	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	69-13	2	7	' 'H'	. "		
Surrogate: Toluene-d8		88.0 %	81-12		#		. "	"	
Surrogate: Bromofluorobenzene	\$ 100 miles	93.3 %	83-12		,,	. "	"	**	
-	led: 06/02/04 00:0						•		
Methyl tert-butyl ether	ND	9	ug/kg dry	1	AF40902	06/09/04	06/09/04	8260	
penzene	ND	9	11	19	И	И		u	. (
oluene	ND	9	n	19			••	• "	,
thylbenzene	. 11	9	11	11	н .	11	н	**	
ı,p-xylene	ND	. 17	,,	'n	,0		. "		1
-xylene	ND	9	ш	411	n	"		u	
sopropylbenzene	125	9	H	**				,,	
-propylbenzene	268	ģ	41	111	ıt .	*	. *	ъ .	
,3,5-trimethylbenzene	ND	. 9	**				и.	h	
ert-butylbenzene	ND	9	11				10		: (
,2,4-trimethylbenzene	ND	9	11			,	,		
ec-butylbenzene	119	,		. ,,	11	11		п	
-isopropyltoluene	17	. 9	er ·	#	n				
-butylbenzene	238	. 9	**	•	11		W	· ·	
aphthalene	ND	. 9	n	n		11	н	и .	
•	ND	-		· - · · · · · · · · · · · · · · · · · ·					
urrogate: 1,2-Dichloroethane-d4		148 %	69-13		ir á	"		,	S-0
urrogate: Toluene-d8		100 %	81-12	1	a		. "	"	
Surrogate: Bromofluorobenzene		114%	83-12				"		

P.O. Box 406 Buffalo NY, 14205 Project: New York State Projects

Project Number: Hamburg Turnpike 04B193.22

Project Manager: Doug Reid

Reported: 06/30/04 13:46

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

	Re	eporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
3H19 (12-14) (4F04009-21) Soil	Sampled: 06/02/04 00:00	Receiv	/ed: 06/04/(04 13:03					
Methyl tert-butyl ether	ND	10	ug/kg dry	. 1	AF40902	06/09/04	06/09/04	8260	1
)enzene	35	10	н	. 0	. "				
oluene	21	10	"	11	11	II.	U	. #	
ethylbenzene	237	10	"	н			**		
m,p-xylene	201	20	ti.	**	4	tř ·		11	
>-xylene	23	10	16			**		11	
sopropylbenzene	151	10	II	н				11	
n-propylbenzene	257	-10	"	**	#1	*		u	
1,3,5-trimethylbenzene	61	10			11	н .	. "	н .	
tert-butylbenzene	ND	10	n,	Ħ	н .	н	**		(
1,2,4-trimethylbenzene	218	10		19	11	₩ .	· u		
sec-butylbenzene	41	10	n	. tr	u	. и -	**	II II	
p-isopropyltoluene	ND	10	ii .	#	#	,	81		ι
n-butylbenzene	103	10	**	H		,11		11	
naphthalene	17	. 10	**				'n	, 1 m	
Surrogate: 1,2-Dichloraethane-d4	der men in der self in der die der der der versichen der der der der der der der der der der	126 %	69-13	32	"	· · · · · · · · · · · · · · · · · · ·	**	· . · · · · · · · · · · · · · · · · · ·	
Surrogate: Toluene-d8		96.0 %			"	"	. " .	"	
Surrogate: Bromofluorobenzene		111%	83-12		#	н.		"	

P.O. Box 406 Buffalo NY, 14205 Project: New York State Projects

Project Number: Hamburg Turnpike 04B193.22

Project Manager: Doug Reid

Reported: 06/30/04 13:46

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TPMW1 (4F04009-01) Water	Sampled: 06/02/04 08:0	0 Received	: 06/04/04 1	3:03					
naphthalene	ND	2	ug/I	I,	AF40827	06/08/04	06/08/04	8270	,
anthracene	ND	2	ø	16	tř	H	**	10	ı
acenaphthene	ND	2	9 .	Н	11	n	"	tl	Į.
Acenaphthylene	ND	2	· n	'n		. н	"	н	(
Benzo (a) anthracene	ND	. 2	и .	U			10	. "	
Benzo (b) fluoranthene	ND	2	0	. • .	. 11	, " "	. "	a a	· ·
Benzo (k) fluoranthene	ND	2	0		н .	. 0	В		l
Benzo (g,h,i) perylene	ND	2	и .	. "	"	n		. "	
Benzo (a) pyrene	ND	2		10	11	Ħ			
chrysene	, ND	2	*	. "	H	. "	· P	19	Į
Dibenz (a,h) anthracene	ND	2		P	# .		н	. 11	ı
fluoranthene	ND	2	,,	н		н	· · · • • • • • • • • • • • • • • • • •		Į.
fluorene	ND	2	".	"	."	u	н	. 11	ι
Indeno (1,2,3-cd) pyrene	ND	. 2	. "	. 14	. "	н	н .	" .	ι
phenanthrene	ND	. 2	H	'n			. н	. 49	ŧ
pyrene	ND	2	11	" .	0		н ,		U
Surrogate: Nitrobenzene-d5	or result of the balance don't be at the latest the same of the sa	77.4 %	37-11		"		. #	, ,	,
Surrogate: 2-Fluorobiphenyl		78.4 %	40-11		"	"	"	ir	
Surrogate: Terphenyl-d14		90.6 %	44-12	l , .	· #	#	"	"	
TPMW10 (4F04009-10) Water	Sampled: 06/03/04 12:	:00 Receive	d: 06/04/04	13:03					
TPMW10 (4F04009-10) Water naphthalene	Sampled: 06/03/04 12: ND	00 Receive		13:03	AF40827	06/08/04	06/09/04	8270	·······································
naphthalene			ug/l	13:03	AF40827	06/08/04	06/09/04	8270	U
naphthalene anthracene	ND	2	ug/l	1	AF40827	06/08/04	06/09/04	8270	-
naphthalene anthracene acenaphthene	ND ND	2 2	ug/l	1	AF40827	06/08/04	06/09/04 n	8270	U
	ND ND ND	2 2	ug/l	1 " 2	AF40827	06/08/04	06/09/04	8270	U
naphthalene anthracene acenaphthene Acenaphthylene Benzo (a) anthracene	ND ND ND ND	2 2	ug/l	1 " 2	AF40827	06/08/04	06/09/04	8270	U
naphthalene anthracene acenaphthene Acenaphthylene Benzo (a) anthracene Benzo (b) fluoranthene	ND ND ND ND ND	2 2 4 4 4	ug/l " " "	1 " 2	AF40827	06/08/04	06/09/04	8270	U U U
naphthalene anthracene acenaphthene Acenaphthylene Benzo (a) anthracene Benzo (b) fluoranthene Benzo (k) fluoranthene	ND ND ND ND ND ND	2 2 4 4 4	ug/l " " "	1 " 2	AF40827	06/08/04	06/09/04	8270 " " " " " " " " " " " " " " " " " " "	U U U U
naphthalene anthracene acenaphthene Acenaphthylene Benzo (a) anthracene Benzo (b) fluoranthene Benzo (k) fluoranthene Benzo (g,h,i) perylene	ND ND ND ND ND ND ND	2 2 4 4 4	ug/l " " "	1 " 2	AF40827	06/08/04	06/09/04	8270 "" "" " " " " " "	0 0 0 0 0 0
naphthalene anthracene acenaphthene Acenaphthylene Benzo (a) anthracene Benzo (b) fluoranthene Benzo (k) fluoranthene Benzo (g,h,i) perylene Benzo (a) pyrene	ND ND ND ND ND ND ND	2 2 4 4 4 4 4	ug/l " " "	1 " 2	AF40827	06/08/04	06/09/04	8270 """"""""""""""""""""""""""""""""""""	U U U U U U
naphthalene anthracene acenaphthene Acenaphthylene Benzo (a) anthracene Benzo (b) fluoranthene Benzo (k) fluoranthene Benzo (g,h,i) perylene Benzo (a) pyrene chrysene	ND ND ND ND ND ND ND ND	2 2 4 4 4 4 4	ug/l " " "	1 " 2	AF40827	06/08/04	06/09/04	8270	0 0 0 0 0 0 0
naphthalene anthracene acenaphthene Acenaphthylene Benzo (a) anthracene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (a) pyrene chrysene Dibenz (a,h) anthracene	ND ND ND ND ND ND ND ND ND	2 2 4 4 4 4 4 4 4	ug/l " " "	1 " 2	AF40827	06/08/04	06/09/04	8270	0 0 0 0 0 0 0
naphthalene anthracene acenaphthene Acenaphthylene Benzo (a) anthracene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (a) pyrene chrysene Dibenz (a,h) anthracene fluoranthene	ND ND ND ND ND ND ND ND ND	2 2 4 4 4 4 4 4 4	ug/l " " "	1 " 2	AF40827	06/08/04	06/09/04	8270	0 0 0 0 0 0 0 0
naphthalene anthracene acenaphthene Acenaphthylene	ND ND ND ND ND ND ND ND ND ND ND ND ND N	2 2 4 4 4 4 4 4 4	ug/l " " "	1 " 2	AF40827	06/08/04	06/09/04	8270	0 0 0 0 0 0 0 0
naphthalene anthracene acenaphthene Acenaphthene Acenaphthylene Benzo (a) anthracene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (a) pyrene chrysene Dibenz (a,h) anthracene fluoranthene fluoranthene fluorene Indeno (1,2,3-cd) pyrene	ND ND ND ND ND ND ND ND ND ND ND	2 2 4 4 4 4 4 4 4	ug/l " " "	1 " 2	AF40827	06/08/04	06/09/04	8270	0 0 0 0 0 0 0 0
naphthalene anthracene acenaphthene Acenaphthylene Benzo (a) anthracene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (a) pyrene chrysene Dibenz (a,h) anthracene fluoranthene fluorene Indeno (1,2,3-cd) pyrene phenanthrane	ND ND ND ND ND ND ND ND ND ND ND	2 2 4 4 4 4 4 4 4	ug/l " " "	1 " 2	AF40827	06/08/04	06/09/04	8270	0 0 0 0 0 0 0 0
naphthalene anthracene acenaphthene Acenaphthylene Benzo (a) anthracene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (a) pyrene chrysene Dibenz (a,h) anthracene fluoranthene fluoranthene fluoranthene indeno (1,2,3-cd) pyrene pyrene	ND ND ND ND ND ND ND ND ND ND ND ND	2 2 4 4 4 4 4 4 4 4 4 4 4 4	ug/l	1	AF40827	06/08/04	06/09/04 II II II II II II II II II	8270	0 0 0 0 0 0 0 0
naphthalene anthracene acenaphthene Acenaphthylene Benzo (a) anthracene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (a) pyrene chrysene Dibenz (a,h) anthracene fluoranthene	ND ND ND ND ND ND ND ND ND ND ND ND	2 2 4 4 4 4 4 4 4 4 4 4 4 4	ug/l " " "	1	AF40827	06/08/04	06/09/04 II II II II II II II II II	8270 a a a a a a a a a a a a a	0 0 0 0 0 0 0 0

Waste Stream Technology Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

P.O. Box 406 Buffalo NY, 14205 Project: New York State Projects

Project Number: Hamburg Turnpike 04B193.22

Project Manager: Doug Reid

Reported: 06/30/04 13:46

Semivolatile Organic Compounds by EPA Method 8270C

Waste Stream Technology Inc.

		R	eporting							
Analyte		Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH10 (8-10) (4F04009-13) Soil	Sampled: 06	/01/04 00:00	Receive	d: 06/04/0	4 13:03					
naphthalene	-	ND	67	ug/kg dry	1	AF41107	06/11/04	06/11/04	8270	
anthracene		ND	67	n	н	. "	**	H	n	. !
acenaphthene		ND	67			tr.	**	**	,,	% I
Acenaphthylene		ND	67	lt	н	"	11		п	. 1
Benzo (a) anthracene		ИD	67	DF .	**	v	"	**	**	
Benzo (b) fluoranthene	:	ND	67	11	. " "	11	11	. •		- 1
Benzo (k) fluoranthene		ND	67		. "		**	H	U	
Benzo (g,h,i) perylene		ND	67	n		tt	tí		. 19	. 1
Benzo (a) pyrene		ND	67	11	. 11	. 44	ŧr	· u	11	1
chrysene		ND	67		"		at	в	. в	. 1
Dibenz (a,h) anthracene		ND	67	n	el el	#1			**	1
fluoranthene		ND .	67			· · · · · · · · · · · · · · · ·	IF	"	'n	1
fluorene		ND	67	u		'n				
Indeno (1,2,3-cd) pyrene		ND	67				a	**	u	1
phenanthrene		ND	67	n .		. H ,	. 11			
pyrene		ND	. 67	D.	. 11	a	u u	•	11	1
Surrogate: Nitrobenzene-d5			83.6 %	48-	122			,		
Surrogate: 2-Fluorobiphenyl			85.9 %	50-1			"	. **	p	
Surrogate: Terphenyl-d14			91.9%	36-	and the second s	, ,,	"	••		

P.O. Box 406 Buffalo NY, 14205 Project: New York State Projects

Project Number: Hamburg Turnpike 04B193.22

Project Manager: Doug Reid

Reported: 06/30/04 13:46

Conventional Chemistry Parameters by APHA/EPA Methods Waste Stream Technology Inc.

		Reporting	1 luite	Dilut	Datah	Dunnani	A soulties of	Method	Notes
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	110103
BH9 (14-16) (4F04009-12) Soil	Sampled: 06/01/04 00:00	Receive	1: 06/04/	04 13:03					
% Solids	90.7	0.1	%	1	AF41005	06/09/04	06/10/04	% calculation	
BH10 (8-10) (4F04009-13) Soil	Sampled: 06/01/04 00:00	Receive	1: 06/04/	04 13:03					
% Solids	83.6	0.1	%	Ī.	AF41005	06/09/04	06/10/04	% calculation	
BH11 (8-10) (4F04009-14) Soil	Sampled: 06/01/04 00:00	Received	1: 06/04/	04 13:03					
% Solids	79.5	0.1	%	j	AF41005	06/09/04	06/10/04	% calculation	
BH12 (4-6) (4F04009-15) Soil	Sampled: 06/01/04 00:00	Received:	06/04/0	4 13:03					
% Solids	63.7	0.1	%	i	AF41005	06/09/04	06/10/04	% calculation	
BH13 (6-8) (4F04009-16) Soil	Sampled: 06/01/04 00:00	Received:	06/04/0	4 13:03					
% Solids	82.1	0.1	%	ı	AF41005	06/09/04	06/10/04	% calculation	
3H14 (8-10) (4F04009-17) Soil	Sampled: 06/01/04 00:00	Received	1: 06/04/	04 13:03					
% Solids	77.6	0.1	%	1	AF41005	06/09/04	06/10/04	% calculation	
3H15 (4-6) (4F04009-18) Soil	Sampled: 06/01/04 00:00	Received:	06/04/0	4 13:03					
6 Solids	82,6	0.1	%	.1	· AF41005	06/09/04	06/10/04	% calculation	
3H17 (15-15.75) (4F04009-19) S	Soil Sampled: 06/02/04 00	:00 Rec	ived: 00	5/04/04 13:	03				
6 Solids	92.5	0.1	%	1	AF41005	06/09/04	06/10/04	% calculation	
H18 (6-8) (4F04009-20) Sail	Sampled: 06/02/04 00:00	Received:	06/04/0	4 13:03					
6 Solids	82.0	0.1	%	. 1	AF41005	06/09/04	06/10/04	% calculation	



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 May 21, 2004. The scope of services was based on the results of the LCS Project # 04B193.24 ASTM E1528-00 Transaction Screen Environmental Site Assessment dated February 18, 2004 And LCS' initial Limited and Focused Subsurface Soil Investigation dated April 28, 2004.

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

- 1. Any impacted media located beneath the on-site structure(s).
- 2. 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 outside of the areas assessed.
- 5. Any impact at locations and depths not assessed in this study.
- 6. Any impact at locations where access was limited.

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.