

**HESS CORPORATION
UPDATE REPORT**

Site Address: Hess Station #32518 2880 Atlantic Avenue Brooklyn, NY	Regulatory Agency: NYSDEC – Region 2 Regulatory Contact: Sarah Carlson Spill #: 98-30002 Consultant: EnviroTrac Ltd. Project Manager: Ed Russo
Hess Contact: Donald Bull	

Report Date: May 2010

Spill Incident Cause: Impacted soils encountered during an underground storage tank (UST) upgrade project in August 1998. Removed thirty (30) 550-gallon gasoline, three (3) 4,000-gallon gasoline, one (1) 2,000-gallon gasoline, one (1) 4,000-gallon diesel, two (2) 2,000-gallon gasoline, two (2) 550-gallon waste water UST's and associated remote fills, product piping, and dispensers. During this project 1,006 tons of impacted soils were removed off site for disposal.

Current Site Status: Active Hess station

Monitoring Period: January 2010 - April 2010

Work Performed: March 31, 2010 - Gauged and sampled seven (7) monitoring wells (MW)

April 13, 2010 – Installed two (2) air sparge wells (AS-4 and AS-5)

April 23, 2010 – Conducted short term remediation event (STRE) utilizing wells MW-1, MW-4, MW-6, AS-4, AS-5 and AS-1.

Groundwater Monitoring:	Wells Gauged:	MW- 1 through MW-7
	Wells Containing LPH:	None
	Groundwater Depth:	30.05 feet – 32.90 feet
	Groundwater Flow:	South-southwesterly
	Wells Sampled:	MW- 1 through MW-7
	Maximum Benzene Concentration:	Non-detect (all wells)
	Maximum MTBE Concentration:	Non-detect (all wells)

Potential Sensitive Receptors: Local businesses and residential properties with basements.

Current Plans/Proposals: EnviroTrac to continue with a quarterly sampling schedule with the next event scheduled for June 2010. An Update Report summarizing these activities will be submitted to NYSDEC in August 2010. Hess to conduct short term remediation events (STRE's) on select wells.

List of Attachments:

Tables:	Table 1 – Summary of Well Gauging and Groundwater Analytical Data*
	Table 2 – Short Term Remedial Event (STRE) Data
	Table 3 – Summary of STRE Air Analytical Data
	Table 4 – Summary of Soil Data for VOCs and SVOCs in Soil Borings
Figures:	Figure 1 – Aerial Photograph
	Figure 2 – Water-Table Elevation on March 31, 2010 and Total BTEX/MTBE Concentrations Map

HESS CORPORATION
UPDATE REPORT (cont.)

Site Address: Hess Station #32518 2880 Atlantic Avenue Brooklyn, NY	Regulatory Agency: NYSDEC – Region 2 Regulatory Contact: Sarah Carlson Spill #: 98-30002 Consultant: EnviroTrac Ltd. Project Manager: Ed Russo
Hess Contact: Donald Bull	

Figure 3 – Radius of Influence for Monitoring wells 1, 4 and 6

Figure 4 – Hydrograph of MW-1

Figure 5 – Hydrograph of MW-2

Figure 6 – Hydrograph of MW-4

Figure 7 – Hydrograph of MW-5

Figure 8 – Hydrograph of MW-6

Attachments: Geologic Logs and Well Construction Details

*Includes data from the initial sampling event, the sampling events with the highest BTEX and MTBE concentrations and the last four (4) sampling events. All historical data is available upon request.

Table 1
Summary of Well Gauging and Groundwater Analytical Data
Hess Station # 32518
2880 Atlantic Avenue
Brooklyn, NY

Well ID	Date	Gauge Pt. Elevation (feet)	Depth to Water (fbg)	Product Depth (fbg)	Product Thickness (feet)	Water Level Elevation (feet)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	BTEX (ug/L)	MTBE (ug/L)
MW-1	03/23/99 ^a	39.26	33.00			6.26	14	1,200	650	7,700	9,564	14
	03/13/00 ^b	39.26	33.60			5.66	2.4	3,300	2,300	16,000	21,602.4	6.2
	03/7/05 ^c	39.26	33.00			6.26	<1	55	544	2,372	2,971	20
	06/04/09	39.26	33.49			5.77	<1.5	19.5	976	2,920	3,916	ND
	09/21/09	39.26	33.34			5.92	<1.5	25.3	939	3,030	3,994	ND
	12/29/09	39.26	33.34			5.92	<1.5	27.3	953	4,330	5,310	ND
	03/31/10	39.26	32.71			6.55	ND	6.2	249	966	1,221.2	ND
MW-2	03/23/99 ^{ac}	38.30	30.03			8.27	ND	ND	ND	ND	ND	800
	07/26/99 ^b	38.30	32.25			6.05	ND	ND	29	56	85	240
	06/04/09	38.30	32.51			5.79	ND	ND	ND	ND	ND	ND
	09/21/09	38.30	32.31			5.99	ND	ND	ND	ND	ND	ND
	12/29/09	38.30	32.35			5.95	ND	ND	ND	ND	ND	ND
	03/31/10	38.30	31.72			6.58	ND	ND	ND	ND	ND	ND
MW-3	03/23/99 ^a	36.69	30.35			6.34	ND	ND	ND	ND	ND	2.3
	03/13/00 ^b	36.69	30.95			5.74	ND	1.2	1.7	12	14.9	3.4
	11/20/01 ^c	36.69	32.65			4.04	1	<1	<1	<2	1	5.1
	06/04/09	36.69	33.61			3.08	ND	ND	ND	ND	ND	ND
	09/21/09	36.69	30.67			6.02	ND	ND	ND	ND	ND	ND
	12/29/09	36.69	30.63			6.06	ND	ND	ND	ND	ND	ND
	03/31/10	36.69	30.05			6.64	ND	ND	ND	ND	ND	ND
MW-4	03/23/99 ^{ab}	38.69	32.40			6.29	9	8.5	690	6,100	6,807.5	33
	07/15/02 ^c	38.69	33.58			5.11	<5	11	1,400	3,020	4,431	160
	06/04/09	38.69	35.41			3.28	ND	ND	30.4	65.6	96.0	ND
	09/21/09	38.69	32.70			5.99	ND	ND	139	11.8	151	ND
	12/29/09	38.69	32.73			5.96	<1.5	ND	1,070	4,190	5,260	ND
	03/31/10	38.69	32.12			6.57	ND	ND	135	131	266	ND
MW-5	02/23/00 ^{ab}	39.37	33.80			5.57	26	22	780	3,600	4,428	17
	11/26/02 ^c	39.37	34.01			5.36	22	18	250	821	1,111	83
	06/04/09	39.37	33.64			5.73	ND	ND	24.1	65.6	89.7	ND
	09/21/09	39.37	33.54			5.83	ND	ND	ND	ND	ND	ND
	12/29/09	39.37	33.51			5.86	ND	ND	12.3	18.9	31.2	ND
	03/31/10	39.37	32.90			6.47	ND	0.57 J	182	266	448.57 J	ND
MW-6	02/23/00 ^a	38.95	33.21			5.74	7.9	68	780	2,300	3,155.9	140
	07/24/00 ^c	38.95	32.16			6.79	21	150	1,200	5,400	6,771	180
	01/24/04 ^b	38.95	NM			NM	<20	79	2,700	10,200	12,979	<20
	06/04/09	38.95	33.05			5.90	ND	6.7	1,350	3,710	5,067	ND
	09/21/09	38.95	32.90			6.05	ND	ND	ND	ND	ND	ND
	12/29/09	38.95	32.97			5.98	ND	3.0	120	286	409	ND
	03/31/10	38.95	32.34			6.61	ND	20.7	1,280	2,320	3,620.7	ND
MW-7	08/30/00 ^a	38.99	33.29			5.70	1	1	9.1	6.4	17.5	<1
	07/15/02 ^c	38.99	34.12			4.87	<1	<1	<1	<2	<MDL	1.3
	06/04/09	38.99	35.67			3.32	ND	ND	ND	ND	ND	ND
	09/21/09	38.99	33.23			5.76	ND	ND	ND	ND	ND	ND
	12/29/09	38.99	31.22			7.77	ND	ND	ND	ND	ND	ND
	03/31/10	38.99	32.60			6.39	ND	ND	ND	ND	ND	ND

Notes:

^a Initial Sample/Gauging

^b Total BTEX Historical High

^c MTBE Historical High

J = Estimated Value

MDL = Method Detection Limit

ND = Not Detected

NS = Not Sampled

NM = Not Measured

Table 2
Short Term Remedial Event (STRE) Data
Hess Station 32518 (Jerome)
2880 Atlantic Avenue
Brooklyn, NY

Date	SVE Well	AS Well	SVE Vacuum ("H2O)	SVE Flow (cfm)	AS Pressure (psi)	AS Flow (cfm)	SVE Effluent PID (ppm)
10/23/08	MW-1	AS-3	12	50	5.5	16	745
	MW-4	AS-2	10	30	5.5	18	373
11/15/08	MW-1	AS-3	14	50	3	17	717
	MW-6	AS-1	10	30	3	18	920
04/23/10	MW-1	AS-4	38	75	2.5	19	304
	MW-4	AS-5	56	75	3	20	348
	MW-6	AS-1	52	60	2.5	19	272

Notes:

cfm - cubic feet per minute

psi - Pounds per Square Inch

ppm - parts per million

Table 3
Summary of STRE Air Analytical Data
Hess Station # 32518
2880 Atlantic Avenue
Brooklyn, NY

Date	Extraction Well	Sparge Well	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	BTEX (ug/L)	MTBE (ug/L)
4/23/10	MW-4	AS-5	ND	ND	1.70	2.40	4.10	ND
	MW-6	AS-1	ND	ND	13.60	22.80	36.40	ND

Notes:

Analyses by EPA Method TO-13 (BTEX/MTBE)

ppmv = parts per million by volume

J = Estimated Value

MDL = Method Detection Limit

ND = Not Detected

NS = Not Sampled

NM = Not Measured

Table 4
Summary of Soil Data for VOCs and SVOCs in Soil Borings
Hess Station #32518
2880 Atlantic Avenue
Brooklyn, NY

Analytical Parameters	AS-4 (25-30')	AS-4 (35-40')	AS-4 (40-45')	AS-5 (30-35')	AS-5 (40-45')	NYSDEC Recommended Soil Cleanup Objectives
Benzene	ND	ND	ND	ND	ND	60
n-Butylbenzene	ND	ND	1,450	ND	9,470	18,000
sec-Butylbenzene	ND	ND	488 J	ND	4,590 J	25,000
tert-Butylbenzene	ND	ND	ND	ND	ND	11,000
Ethylbenzene	ND	ND	884	ND	3,690	5,500
Isopropylbenzene	ND	ND	435 J	ND	7,810	2,300
p-Isopropyltoluene	ND	ND	356 J	ND	1,720 J	11,000
MTBE	ND	ND	ND	ND	ND	120
Naphthalene	ND	ND	3,140	ND	5,200 J	13,000
n-Propylbenzene	ND	ND	2,030	ND	39,800	3,700
Toluene	ND	ND	ND	ND	ND	1,500
1,2,4-Trimethylbenzene	ND	ND	18,900	ND	146,000	13,000
1,3,5-Trimethylbenzene	ND	ND	5,560	ND	51,300	3,300
m,p-Xylene	ND	ND	4,580	ND	7,510	1,200
o-Xylene	ND	ND	1,060	ND	2,290	600
Total Xylene	ND	ND	5,650	ND	9,790	1,200
Acenaphthene	ND	ND	ND	ND	14.7 J	50,000
Anthracene	ND	ND	ND	ND	ND	50,000
Benzo(a)anthracene	ND	ND	ND	13.1 J	24.3 J	224
Benzo(a)pyrene	ND	ND	ND	ND	26.6 J	61
Benzo(b)fluoranthene	ND	ND	ND	ND	11.7 J	1,100
Benzo(g,h,i)perylene	ND	ND	ND	ND	17.6 J	50,000
Benzo(k)fluoranthene	ND	ND	ND	ND	22.3 J	1,100
Chrysene	ND	ND	ND	14.3 J	33.5 J	400
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	14
Fluoranthene	ND	ND	ND	18.8 J	46.6	50,000
Fluorene	ND	ND	ND	ND	26.7 J	50,000
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	13.3 J	3,200
Naphthalene	ND	ND	1,590	ND	372	13,000
Phenanthrene	ND	ND	22.3 J	15.8 J	59.1	50,000
Pyrene	ND	ND	ND	18.0 J	49.4	50,000

Notes:

Samples collected on April 13, 2010

Concentration units = ug/Kg (micrograms per kilogram)

Laboratory analysis via EPA Methods 8260 STARS & 8270 STARS

ND = Not Detected

J = Estimated Value

AERIAL PHOTOGRAPH



Figure 1
Aerial Photograph

Hess Station 32518
2880 Atlantic Avenue
Brooklyn, NY

Digital Imagery taken in
2002-2004

0 30 60 120 180 240
Feet



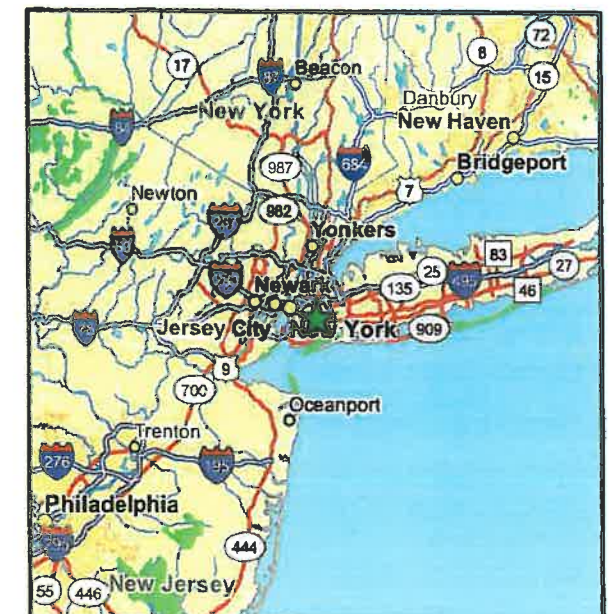
EnviroTrac

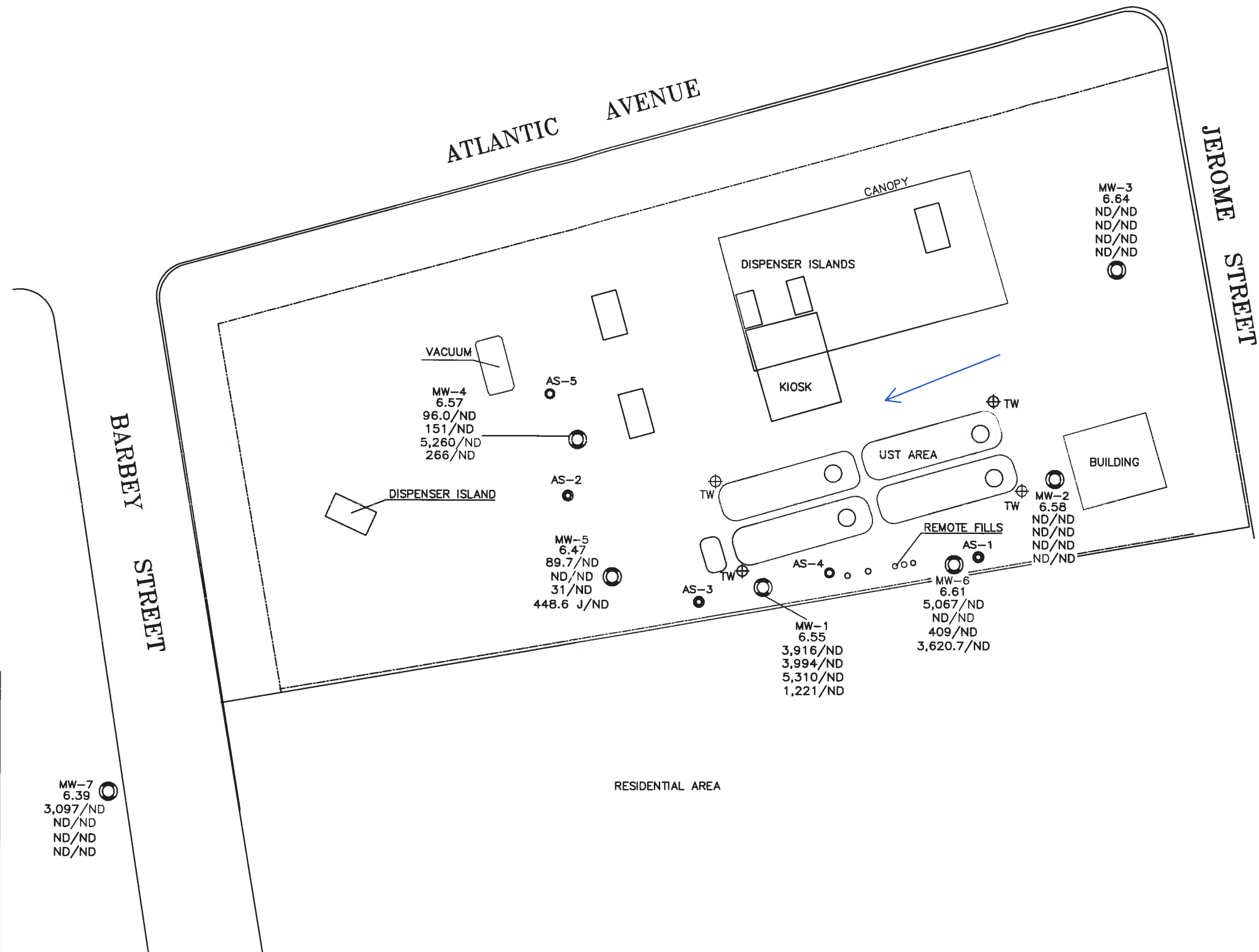
Environmental Services

5 Old Dock Road

Yaphank, NY 11980

P: 631-924-3001 F: 631-924-5001





LEGEND:

○ MONITORING WELL

⊕ TANK FIELD WELL

● AIR SPARGE WELL

ND = NOT DETECTED

MDL = METHOD DETECTION LIMIT

J = ESTIMATED VALUE

← INFERRED GROUND WATER FLOW DIRECTION

SAMPLE WELL:

○ MW-1 = MONITORING WELL ID

6.55 = WATER-TABLE ELEVATION

3,916/ND = JUNE 4, 2009

3,994/ND = SEPTEMBER 21, 2009

5,310/ND = DECEMBER 29, 2009

1,221/ND = MARCH 31, 2010

TOTAL BTEX/MTBE CONCENTRATIONS IN ug/L

Base map taken from DELTA map dated 12/28/07



5 OLD DOCK ROAD, YAPHANK, NEW YORK 11980
PHONE: (631)924-3001 FAX: (631)924-5001

REVISION DATE:
APRIL 20, 2010

SCALE:
1" = 30 FEET

REVISED BY: TB

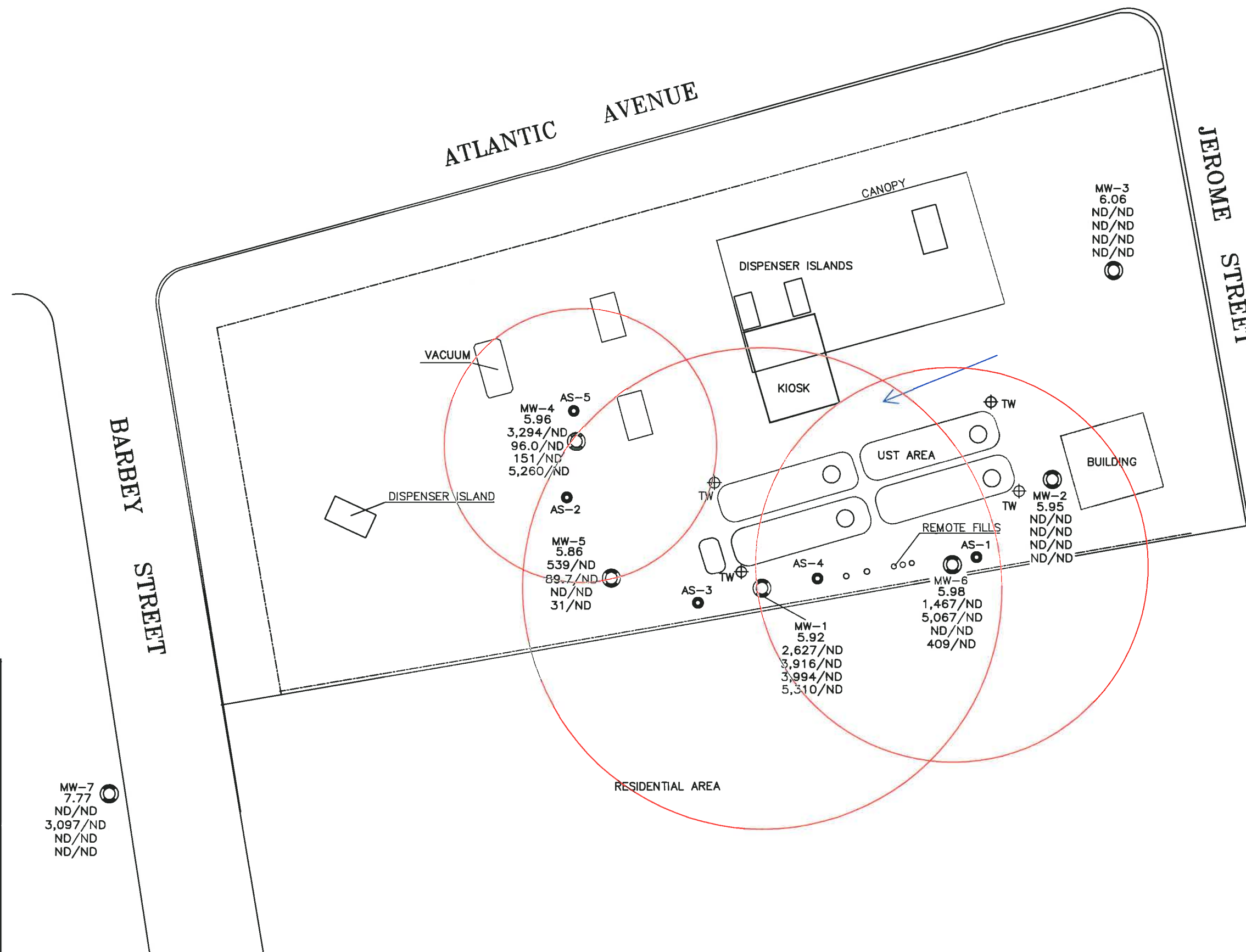


HESS STATION # 32518
2880 ATLANTIC AVENUE
BROOKLYN, NEW YORK

WATER-TABLE ELEVATION ON MARCH 31, 2010
AND TOTAL BTEX/MTBE CONCENTRATIONS MAP

FIGURE #

2



LEGEND:

- MONITORING WELL
- ⊕ TANK FIELD WELL
- AIR SPARGE WELL
- ND = NOT DETECTED
- MDL = METHOD DETECTION LIMIT
- ← INFERRED GROUND WATER FLOW DIRECTION

SAMPLE WELL:

- MW-1 = MONITORING WELL ID
- 5.92 = WATER-TABLE ELEVATION
- 2,627/ND = MARCH 25, 2009
- 3,916/ND = JUNE 4, 2009
- 3,994/ND = SEPTEMBER 21, 2009
- 5,310/ND = DECEMBER 29, 2009

TOTAL BTEX/MTBE CONCENTRATIONS IN ug/L

Base map taken from DELTA map dated 12/28/07



5 OLD DOCK ROAD, YAPHANK, NEW YORK 11980
PHONE: (631)924-3001 FAX: (631)924-5001



REVISION DATE:
APRIL 23, 2010

SCALE:
1" = 30 FEET

REVISED BY: TB



HESS STATION # 32518
2880 ATLANTIC AVENUE
BROOKLYN, NEW YORK

RADIUS OF INFLUENCE FOR MONITORING
WELLS 1, 4, AND 6

FIGURE #

3

FIGURE 4
Hydrograph of MW-1
Hess Station #32518
2880 Atlantic Avenue
Brooklyn, NY

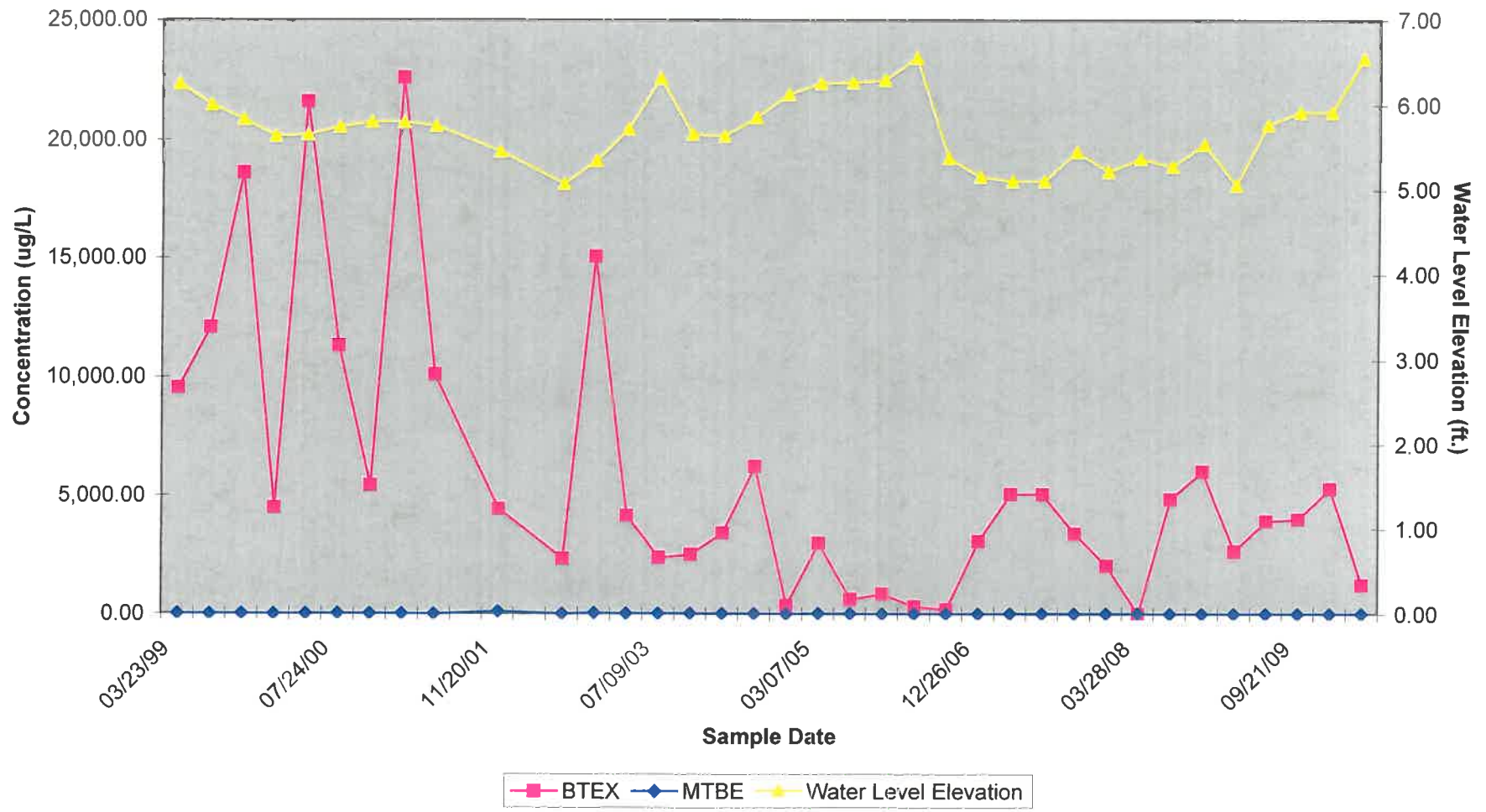


FIGURE 5
Hydrograph of MW-2
Hess Station #32518
2880 Atlantic Avenue
Brooklyn, NY

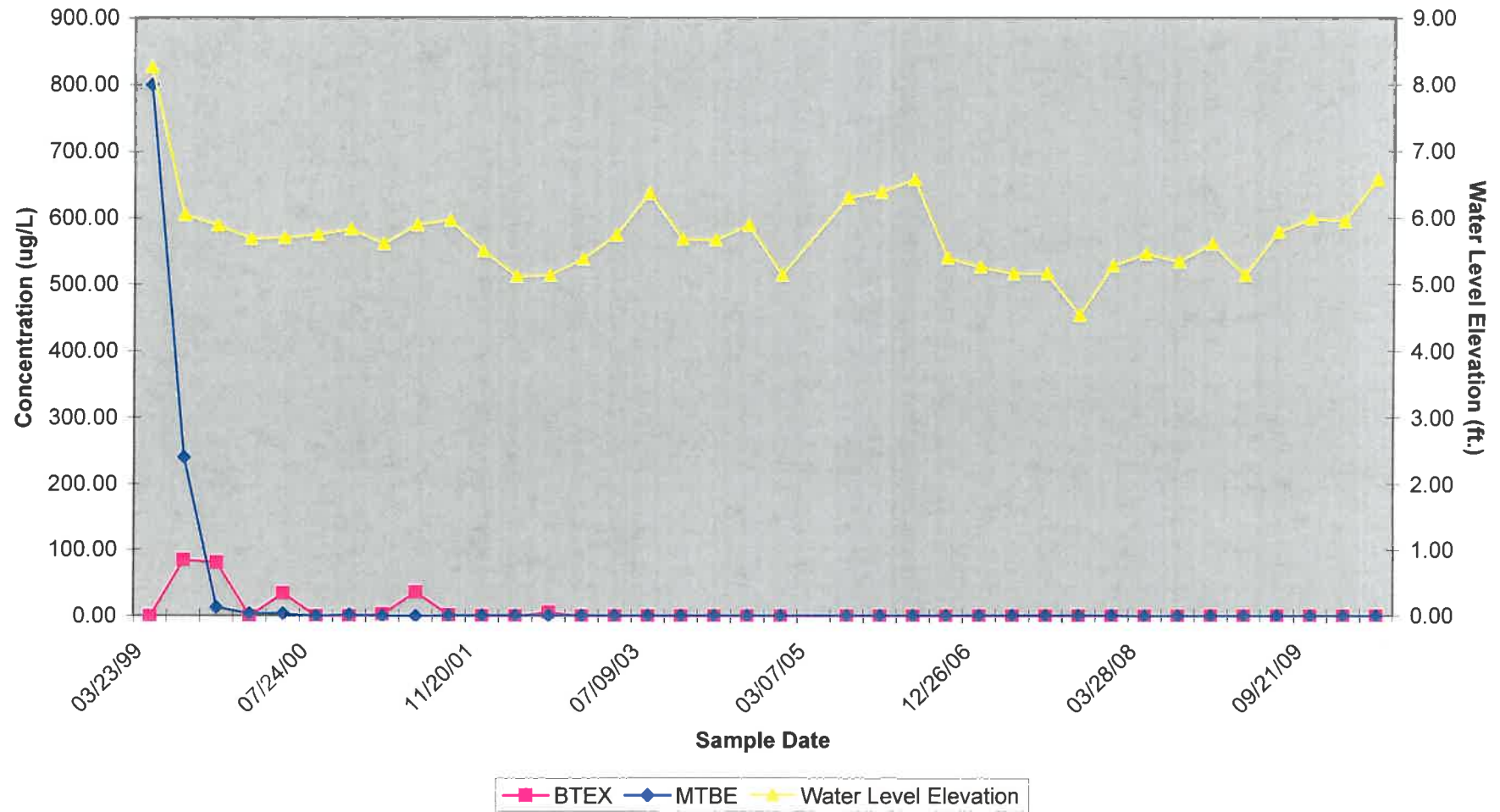


FIGURE 6
Hydrograph of MW-4
Hess Station #32518
2880 Atlantic Avenue
Brooklyn, NY

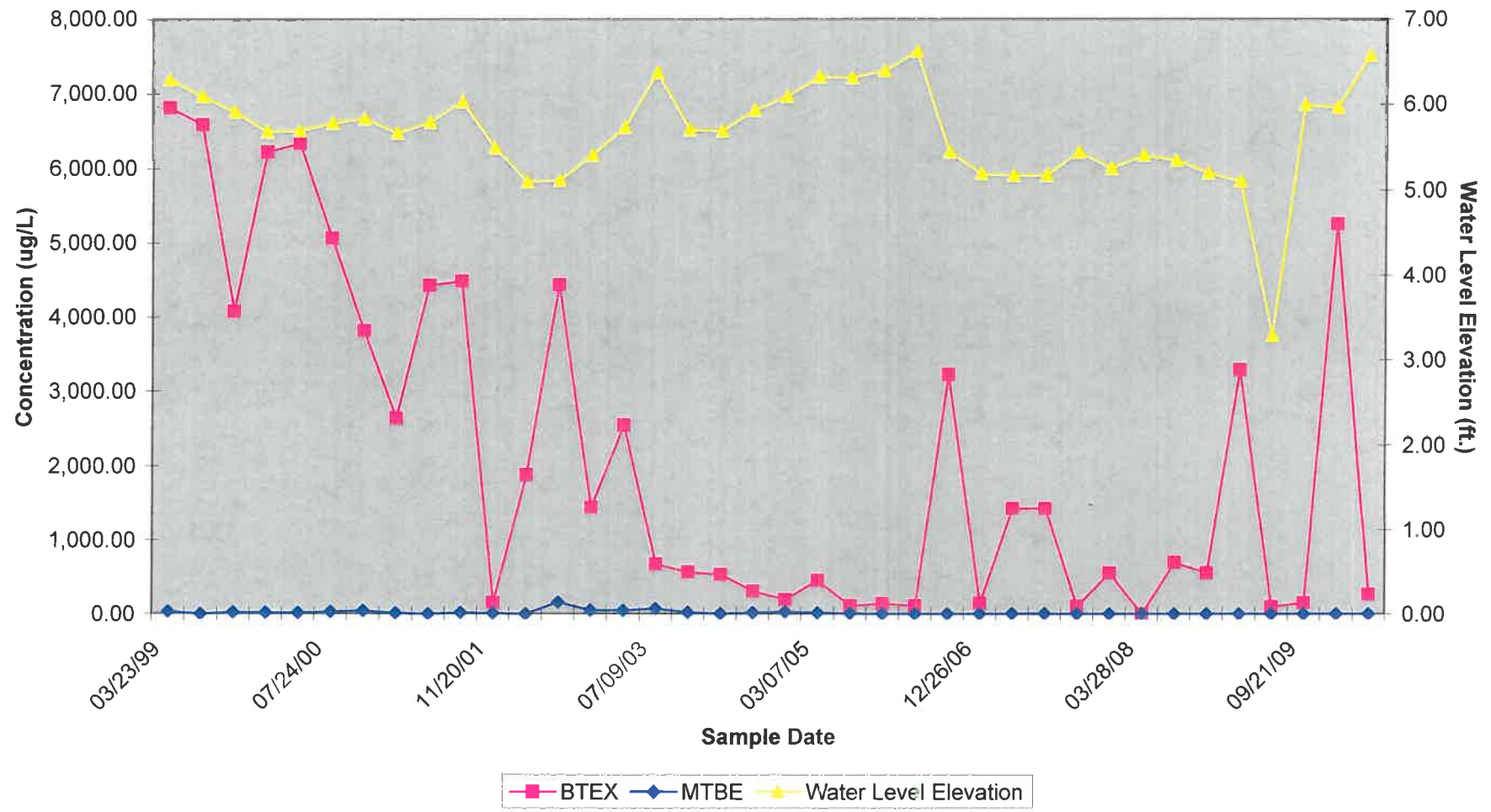


FIGURE 7
Hydrograph of MW-5
Hess Station #32518
2880 Atlantic Avenue
Brooklyn, NY

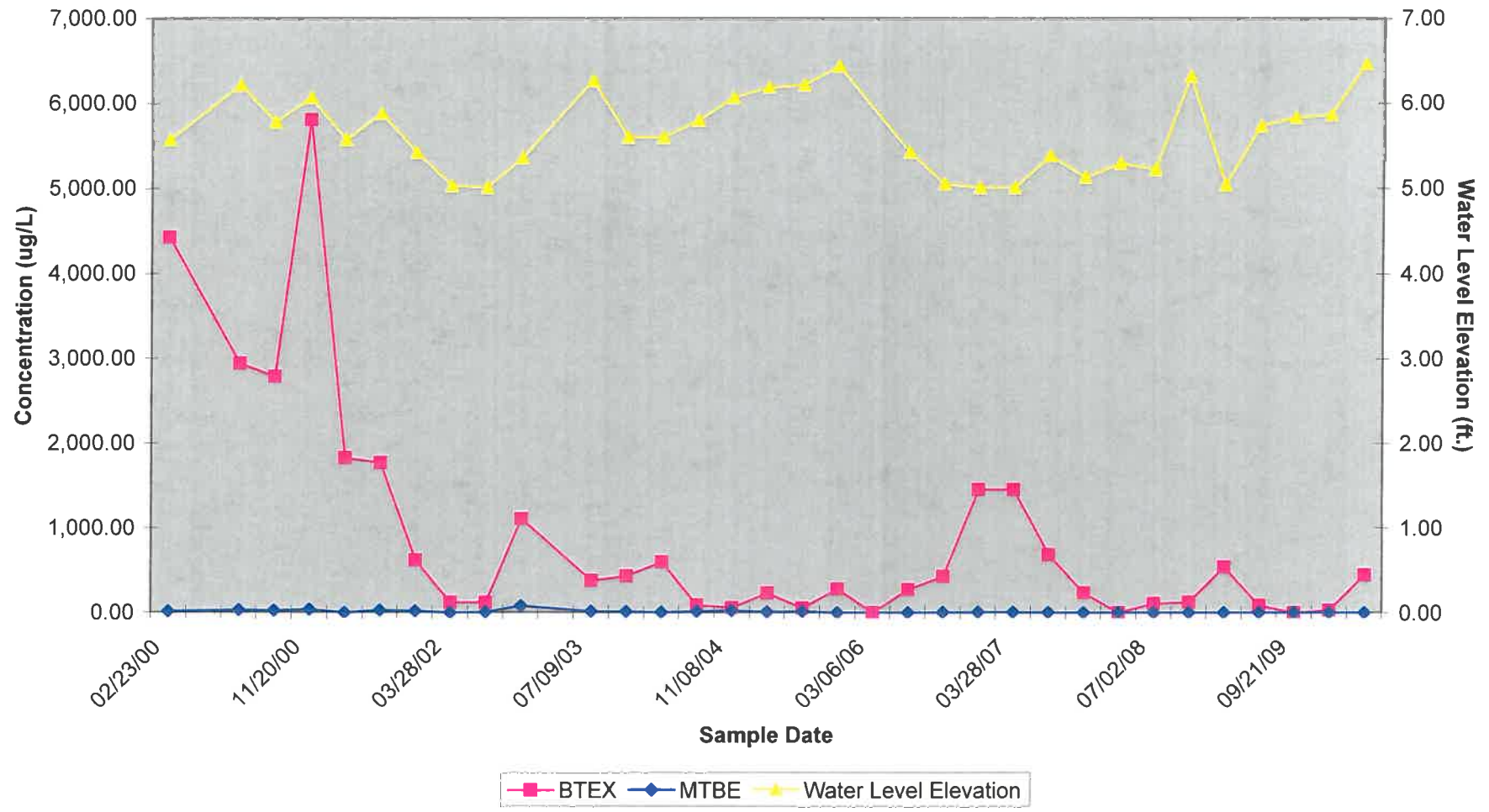
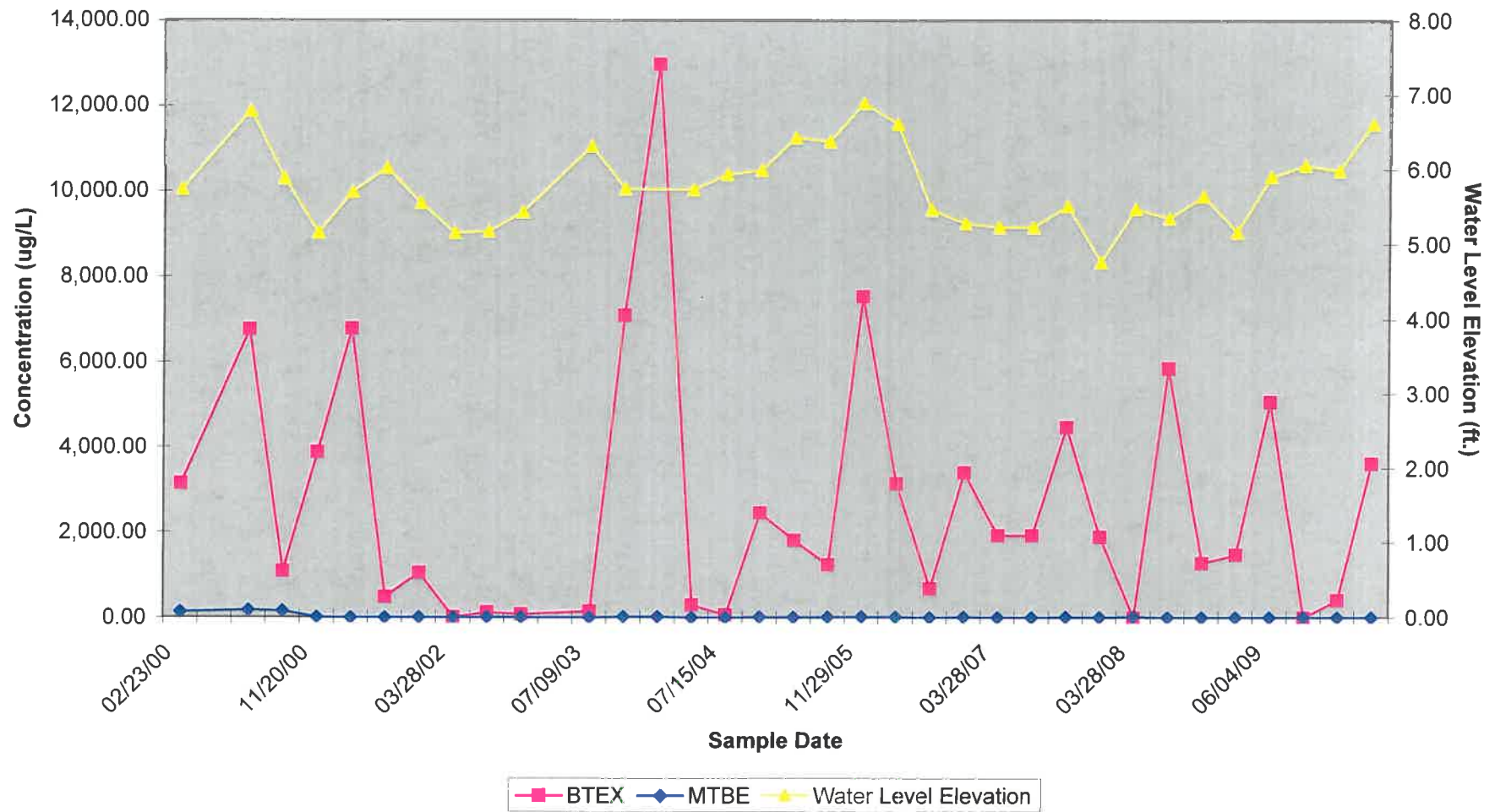


FIGURE 8
Hydrograph of MW-6
Hess Station #32518
2880 Atlantic Avenue
Brooklyn, NY



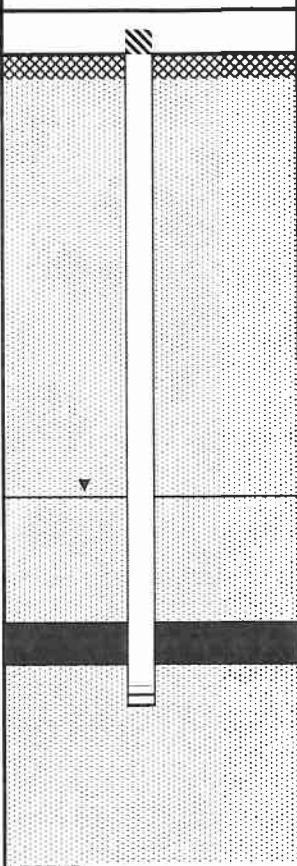
Geologic Log and Well Construction Details

Log of Air Sparge Well 4 (AS-4)

EnviroTrac Ltd.

5 Old Dock Road, Yaphank, NY 11980

Client: Hess Corporation		Depth to Water (ft. from measuring pt.)		Site Elevation Datum
Site Name: Hess Station # 32518	Address: 2880 Atlantic Ave., Brooklyn, NY	Date 4/13/2010	DTW ~33.5	NM
Drilling Company: AARCO Environmental Services.	Method: Hollow Stem Auger			Measuring Point Elevation
Date Started: 4/13/2010	Date Completed: 4/13/2010			NM
Completion Depth: 44'	ENVIROTRAC Scientist: Diane Webb			

CONSTRUCTION (NTS)	DEPTH (ft. below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0	NM	Hand Dug	NM	0-5' Hand cleared through asphalt
					0-2' gravel; 2-5' brown medium grained SAND with fill material; dry
	5	NM	NM	ND	5-10' Brown medium to coarse grained SAND; dry
	10	NM	NM	ND	10-15' Brown medium to coarse grained SAND; dry
	15	NM	NM	ND	15-20' Brown medium to coarse grained SAND; dry
	20	NM	NM	ND	20-25' Brown medium to coarse grained SAND; dry
	25	NM	NM	ND	25-30' Brown medium to coarse grained SAND; dry
	30	NM	NM	ND	30-35' Brown medium to coarse grained SAND; moist
	35	NM	NM	ND	35-40' Brown medium to coarse grained SAND; moist
	40	NM	NM	177.0	40-45' Gray coarse grained SAND and gravel; wet
	45				
	50				
LEGEND:					Well Construction Details
Cement					Bottom of Well: 44'
Bentonite Seal					Screen Zone: 44-42'
Gravel pack (morie #2)					Screen material: # 20 slot, 2", schedule 40 PVC
Screen					Casing material: Schedule 40 PVC
End/Top Cap					Bentonite Seal: 41-39'
					Sand Pack: Morie #2 44'-41'
		ND - Not Detected		NM - Not Monitored	DTW - Depth to Water

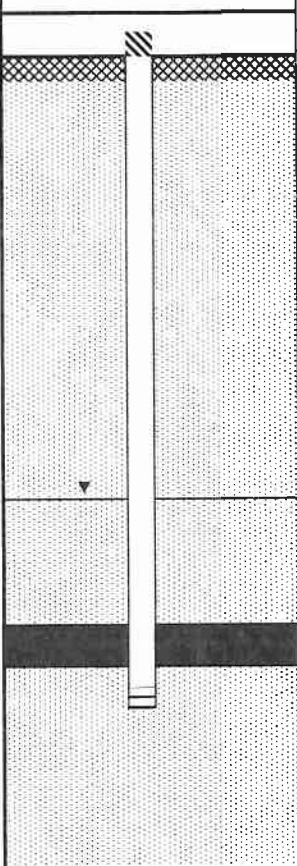
Geologic Log and Well Construction Details

Log of Air Sparge Well 5 (AS-5)

EnviroTrac Ltd.

5 Old Dock Road, Yaphank, NY 11980

Client: Hess Corporation		Depth to Water (ft. from measuring pt.)		Site Elevation Datum
Site Name: Hess Station # 32518	Address: 2880 Atlantic Ave., Brooklyn, NY	Date 4/13/2010	DTW ~33.5	NM
Drilling Company: AARCO Environmental Services.	Method: Hollow Stem Auger	Measuring Point Elevation		
Date Started: 4/13/2010	Date Completed: 4/13/2010	NM		
Completion Depth: 44'	ENVIOTRAC Scientist: Diane Webb			

CONSTRUCTION (NTS)	DEPTH (ft. below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0	NM	Hand Dug	NM	<u>0-5'</u> Hand cleared through asphalt Brown medium to coarse grained SAND with fill material; dry
	5	NM	NM	ND	<u>5-10'</u> Brown medium to coarse grained SAND ; dry
	10	NM	NM	ND	<u>10-15'</u> Brown medium to coarse grained SAND ; dry
	15	NM	NM	ND	<u>15-20'</u> Brown medium to coarse grained SAND ; dry
	20	NM	NM	ND	<u>20-25'</u> Brown medium to coarse grained SAND ; dry
	25	NM	NM	ND	<u>25-30'</u> Brown medium to coarse grained SAND ; dry
	30	NM	NM	ND	<u>30-35'</u> Brown medium to coarse grained SAND ; moist
	35	NM	NM	ND	<u>35-40'</u> Brown medium to coarse grained SAND ; moist
	40	NM	NM	200.0	<u>40-45'</u> Gray coarse grained SAND and gravel; wet
	45				
	50				
LEGEND:  Cement  Bentonite Seal  Gravel pack (more #2)  Screen  End/Top Cap					
Well Construction Details Bottom of Well: 44' Screen Zone: 44-42' Screen material: # 20 slot, 2", schedule 40 PVC Casing material: Schedule 40 PVC Bentonite Seal: 41-39' Sand Pack: Morie #2 44'-41'					
		ND - Not Detected		NM - Not Monitored	DTW - Depth to Water



04/28/10

Technical Report for

EnviroTrac

Hess# 32518, 2880 Atlantic Avenue, Brooklyn, NY

Accutest Job Number: JA44278

Sampling Date: 04/13/10

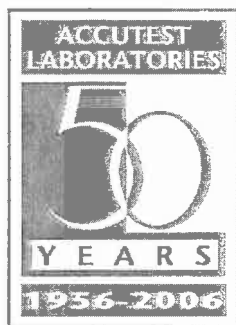


Report to:

Envirotrac
5 Old Dock Road
Yaphank, NY 11980
edr@envirotrac.com

ATTN: Ed Russo

Total number of pages in report: 17



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP Ops, Laboratory Director

Client Service contact: Kevin Dovedytis 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

Table of Contents

Sections:

1

2

3

-1-

Section 1: Sample Summary	3
Section 2: Sample Results	4
2.1: JA44278-1: AS-4(25-30)	5
2.2: JA44278-2: AS-4(35-40)	7
2.3: JA44278-3: AS-4(40-45)	9
2.4: JA44278-4: AS-5(30-35)	11
2.5: JA44278-5: AS-5(40-45)	13
Section 3: Misc. Forms	15
3.1: Chain of Custody	16



Sample Summary

EnviroTrac

Job No: JA44278

Hess# 32518, 2880 Atlantic Avenue, Brooklyn, NY

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
JA44278-1	04/13/10	09:00 DEV	04/14/10	SO Soil	AS-4(25-30)
JA44278-2	04/13/10	09:16 DEV	04/14/10	SO Soil	AS-4(35-40)
JA44278-3	04/13/10	09:46 DEV	04/14/10	SO Soil	AS-4(40-45)
JA44278-4	04/13/10	11:23 DEV	04/14/10	SO Soil	AS-5(30-35)
JA44278-5	04/13/10	12:00 DEV	04/14/10	SO Soil	AS-5(40-45)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Results

Report of Analysis

Report of Analysis

Page 1 of 1

Client Sample ID: AS-4(25-30)

Lab Sample ID: JA44278-1

Date Sampled: 04/13/10

Matrix: SO - Soil

Date Received: 04/14/10

Method: SW846 8260B

Percent Solids: 95.7

Project: Hess# 32518, 2880 Atlantic Avenue, Brooklyn, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X102502.D	1	04/20/10	JTP	n/a	n/a	VX4324
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.2	0.40	ug/kg	
104-51-8	n-Butylbenzene	ND	5.8	0.44	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.8	0.57	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.8	0.55	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.43	ug/kg	
98-82-8	Isopropylbenzene	ND	5.8	0.60	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.8	0.50	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.33	ug/kg	
91-20-3	Naphthalene	ND	5.8	0.86	ug/kg	
103-65-1	n-Propylbenzene	ND	5.8	0.30	ug/kg	
108-88-3	Toluene	ND	1.2	0.34	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.8	0.50	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.8	0.42	ug/kg	
	m,p-Xylene	ND	2.3	0.54	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.54	ug/kg	
1330-20-7	Xylene (total)	ND	2.3	0.54	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		67-127%
17060-07-0	1,2-Dichloroethane-D4	107%		65-132%
2037-26-5	Toluene-D8	113%		74-129%
460-00-4	4-Bromofluorobenzene	105%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	AS-4(25-30)	Date Sampled:	04/13/10
Lab Sample ID:	JA44278-1	Date Received:	04/14/10
Matrix:	SO - Soil	Percent Solids:	95.7
Method:	SW846 8270C SW846 3550B		
Project:	Hess# 32518, 2880 Atlantic Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F88422.D	1	04/22/10	NAP	04/16/10	OP43158	EF4157
Run #2							

	Initial Weight	Final Volume
Run #1	35.3 g	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	30	8.6	ug/kg	
120-12-7	Anthracene	ND	30	10	ug/kg	
56-55-3	Benzo(a)anthracene	ND	30	9.7	ug/kg	
50-32-8	Benzo(a)pyrene	ND	30	9.0	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	30	9.9	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	30	11	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	30	11	ug/kg	
218-01-9	Chrysene	ND	30	10	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	30	10	ug/kg	
206-44-0	Fluoranthene	ND	30	13	ug/kg	
86-73-7	Fluorene	ND	30	9.7	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	30	10	ug/kg	
91-20-3	Naphthalene	ND	30	8.1	ug/kg	
85-01-8	Phenanthrene	ND	30	13	ug/kg	
129-00-0	Pyrene	ND	30	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	77%		28-113%
321-60-8	2-Fluorobiphenyl	74%		38-107%
1718-51-0	Terphenyl-d14	75%		31-116%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	AS-4(35-40)	Date Sampled:	04/13/10
Lab Sample ID:	JA44278-2	Date Received:	04/14/10
Matrix:	SO - Soil	Percent Solids:	94.0
Method:	SW846 8260B		
Project:	Hess# 32518, 2880 Atlantic Avenue, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X102366.D	1	04/16/10	JTP	n/a	n/a	VX4318
Run #2							

Run #	Initial Weight
Run #1	4.5 g
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.2	0.40	ug/kg	
104-51-8	n-Butylbenzene	ND	5.9	0.45	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.9	0.58	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.9	0.56	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.44	ug/kg	
98-82-8	Isopropylbenzene	ND	5.9	0.61	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.9	0.51	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.33	ug/kg	
91-20-3	Naphthalene	ND	5.9	0.87	ug/kg	
103-65-1	n-Propylbenzene	ND	5.9	0.30	ug/kg	
108-88-3	Toluene	ND	1.2	0.35	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.9	0.51	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.9	0.42	ug/kg	
	m,p-Xylene	ND	2.4	0.55	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.55	ug/kg	
1330-20-7	Xylene (total)	ND	2.4	0.55	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		67-127%
17060-07-0	1,2-Dichloroethane-D4	105%		65-132%
2037-26-5	Toluene-D8	106%		74-129%
460-00-4	4-Bromofluorobenzene	95%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	AS-4(35-40)	Date Sampled:	04/13/10
Lab Sample ID:	JA44278-2	Date Received:	04/14/10
Matrix:	SO - Soil	Percent Solids:	94.0
Method:	SW846 8270C SW846 3550B		
Project:	Hess# 32518, 2880 Atlantic Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F88423.D	1	04/22/10	NAP	04/16/10	OP43158	EF4157
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	30	8.8	ug/kg	
120-12-7	Anthracene	ND	30	11	ug/kg	
56-55-3	Benzo(a)anthracene	ND	30	9.9	ug/kg	
50-32-8	Benzo(a)pyrene	ND	30	9.3	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	30	10	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	30	11	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	30	11	ug/kg	
218-01-9	Chrysene	ND	30	10	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	30	10	ug/kg	
206-44-0	Fluoranthene	ND	30	13	ug/kg	
86-73-7	Fluorene	ND	30	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	30	11	ug/kg	
91-20-3	Naphthalene	ND	30	8.3	ug/kg	
85-01-8	Phenanthrene	ND	30	14	ug/kg	
129-00-0	Pyrene	ND	30	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		28-113%
321-60-8	2-Fluorobiphenyl	70%		38-107%
1718-51-0	Terphenyl-d14	72%		31-116%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	AS-4(40-45)	Date Sampled:	04/13/10
Lab Sample ID:	JA44278-3	Date Received:	04/14/10
Matrix:	SO - Soil	Percent Solids:	90.2
Method:	SW846 8260B		
Project:	Hess# 32518, 2880 Atlantic Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D167568.D	1	04/22/10	TDN	n/a	n/a	VD6755
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	40.0 ul
Run #2			

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	150	52	ug/kg	
104-51-8	n-Butylbenzene	1450	760	58	ug/kg	
135-98-8	sec-Butylbenzene	488	760	74	ug/kg	J
98-06-6	tert-Butylbenzene	ND	760	72	ug/kg	
100-41-4	Ethylbenzene	884	150	56	ug/kg	
98-82-8	Isopropylbenzene	435	760	79	ug/kg	J
99-87-6	p-Isopropyltoluene	356	760	65	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	150	43	ug/kg	
91-20-3	Naphthalene	3140	760	110	ug/kg	
103-65-1	n-Propylbenzene	2030	760	39	ug/kg	
108-88-3	Toluene	ND	150	44	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	18900	760	65	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	5560	760	54	ug/kg	
	m,p-Xylene	4580	300	71	ug/kg	
95-47-6	o-Xylene	1060	150	71	ug/kg	
1330-20-7	Xylene (total)	5650	300	71	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		67-127%
17060-07-0	1,2-Dichloroethane-D4	92%		65-132%
2037-26-5	Toluene-D8	96%		74-129%
460-00-4	4-Bromofluorobenzene	100%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: AS-4(40-45)

Lab Sample ID: JA44278-3

Date Sampled: 04/13/10

Matrix: SO - Soil

Date Received: 04/14/10

Method: SW846 8270C SW846 3550B

Percent Solids: 90.2

Project: Hess# 32518, 2880 Atlantic Avenue, Brooklyn, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F88424.D	1	04/22/10	NAP	04/16/10	OP43158	EF4157
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	32	9.2	ug/kg	
120-12-7	Anthracene	ND	32	11	ug/kg	
56-55-3	Benzo(a)anthracene	ND	32	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	32	9.7	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	32	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	32	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	32	12	ug/kg	
218-01-9	Chrysene	ND	32	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	32	11	ug/kg	
206-44-0	Fluoranthene	ND	32	14	ug/kg	
86-73-7	Fluorene	ND	32	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	32	11	ug/kg	
91-20-3	Naphthalene	1590	32	8.6	ug/kg	
85-01-8	Phenanthrene	22.3	32	14	ug/kg	J
129-00-0	Pyrene	ND	32	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	81%		28-113%
321-60-8	2-Fluorobiphenyl	80%		38-107%
1718-51-0	Terphenyl-d14	77%		31-116%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: AS-5(30-35)

Lab Sample ID: JA44278-4

Date Sampled: 04/13/10

Matrix: SO - Soil

Date Received: 04/14/10

Method: SW846 8260B

Percent Solids: 95.7

Project: Hess# 32518, 2880 Atlantic Avenue, Brooklyn, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X102684.D	1	04/26/10	JTP	n/a	n/a	VX4332
Run #2							

Initial Weight

Run #1 4.8 g

Run #2

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.1	0.37	ug/kg	
104-51-8	n-Butylbenzene	ND	5.4	0.41	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.4	0.53	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.4	0.52	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.40	ug/kg	
98-82-8	Isopropylbenzene	ND	5.4	0.56	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.4	0.47	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.31	ug/kg	
91-20-3	Naphthalene	ND	5.4	0.80	ug/kg	
103-65-1	n-Propylbenzene	ND	5.4	0.28	ug/kg	
108-88-3	Toluene	ND	1.1	0.32	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.4	0.47	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.4	0.39	ug/kg	
	m,p-Xylene	ND	2.2	0.51	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.51	ug/kg	
1330-20-7	Xylene (total)	ND	2.2	0.51	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		67-127%
17060-07-0	1,2-Dichloroethane-D4	114%		65-132%
2037-26-5	Toluene-D8	106%		74-129%
460-00-4	4-Bromofluorobenzene	101%		62-138%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



Report of Analysis

Page 1 of 1

Client Sample ID:	AS-5(30-35)	Date Sampled:	04/13/10
Lab Sample ID:	JA44278-4	Date Received:	04/14/10
Matrix:	SO - Soil	Percent Solids:	95.7
Method:	SW846 8270C SW846 3550B		
Project:	Hess# 32518, 2880 Atlantic Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F88425.D	1	04/22/10	NAP	04/16/10	OP43158	EF4157
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	30	8.6	ug/kg	
120-12-7	Anthracene	ND	30	10	ug/kg	
56-55-3	Benzo(a)anthracene	13.1	30	9.7	ug/kg	J
50-32-8	Benzo(a)pyrene	ND	30	9.1	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	30	9.9	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	30	11	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	30	11	ug/kg	
218-01-9	Chrysene	14.3	30	10	ug/kg	J
53-70-3	Dibenzo(a,h)anthracene	ND	30	10	ug/kg	
206-44-0	Fluoranthene	18.8	30	13	ug/kg	J
86-73-7	Fluorene	ND	30	9.7	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	30	10	ug/kg	
91-20-3	Naphthalene	ND	30	8.1	ug/kg	
85-01-8	Phenanthrene	15.8	30	14	ug/kg	J
129-00-0	Pyrene	18.0	30	11	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		28-113%
321-60-8	2-Fluorobiphenyl	75%		38-107%
1718-51-0	Terphenyl-d14	73%		31-116%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	AS-5(40-45)	Date Sampled:	04/13/10
Lab Sample ID:	JA44278-5	Date Received:	04/14/10
Matrix:	SO - Soil	Percent Solids:	83.9
Method:	SW846 8260B		
Project:	Hess# 32518, 2880 Atlantic Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D167569.D	1	04/22/10	TDN	n/a	n/a	VD6755
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	5.0 ul
Run #2			

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1400	470	ug/kg	
104-51-8	n-Butylbenzene	9470	6900	530	ug/kg	
135-98-8	sec-Butylbenzene	4590	6900	680	ug/kg	J
98-06-6	tert-Butylbenzene	ND	6900	660	ug/kg	
100-41-4	Ethylbenzene	3690	1400	510	ug/kg	
98-82-8	Isopropylbenzene	7810	6900	720	ug/kg	
99-87-6	p-Isopropyltoluene	1720	6900	600	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	1400	390	ug/kg	
91-20-3	Naphthalene	5200	6900	1000	ug/kg	J
103-65-1	n-Propylbenzene	39800	6900	350	ug/kg	
108-88-3	Toluene	ND	1400	400	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	146000	6900	600	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	51300	6900	500	ug/kg	
	m,p-Xylene	7510	2800	650	ug/kg	
95-47-6	o-Xylene	2290	1400	650	ug/kg	
1330-20-7	Xylene (total)	9790	2800	650	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		67-127%
17060-07-0	1,2-Dichloroethane-D4	89%		65-132%
2037-26-5	Toluene-D8	95%		74-129%
460-00-4	4-Bromofluorobenzene	103%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	AS-5(40-45)	Date Sampled:	04/13/10
Lab Sample ID:	JA44278-5	Date Received:	04/14/10
Matrix:	SO - Soil	Percent Solids:	83.9
Method:	SW846 8270C SW846 3550B		
Project:	Hess# 32518, 2880 Atlantic Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F88426.D	1	04/22/10	NAP	04/16/10	OP43158	EF4157
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

BN STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	14.7	34	9.8	ug/kg	J
120-12-7	Anthracene	ND	34	12	ug/kg	
56-55-3	Benzo(a)anthracene	24.3	34	11	ug/kg	J
50-32-8	Benzo(a)pyrene	26.6	34	10	ug/kg	J
205-99-2	Benzo(b)fluoranthene	11.7	34	11	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	17.6	34	13	ug/kg	J
207-08-9	Benzo(k)fluoranthene	22.3	34	13	ug/kg	J
218-01-9	Chrysene	33.5	34	11	ug/kg	J
53-70-3	Dibenzo(a,h)anthracene	ND	34	12	ug/kg	
206-44-0	Fluoranthene	46.6	34	15	ug/kg	
86-73-7	Fluorene	26.7	34	11	ug/kg	J
193-39-5	Indeno(1,2,3-cd)pyrene	13.3	34	12	ug/kg	J
91-20-3	Naphthalene	372	34	9.3	ug/kg	
85-01-8	Phenanthrene	59.1	34	15	ug/kg	
129-00-0	Pyrene	49.4	34	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		28-113%
321-60-8	2-Fluorobiphenyl	72%		38-107%
1718-51-0	Terphenyl-d14	72%		31-116%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



~~7082~~

PAGE 1 OF 1

FED-EX Tracking #		Bottle Order Contact #											
Account Order #		Account Job #											
Requested Analysis (see TEST CODE sheet)		Matrix Codes											
8260 STARS 8270 STARS <table border="1"> <tr><td>X</td><td>X</td></tr> <tr><td>X</td><td>X</td></tr> <tr><td>X</td><td>X</td></tr> <tr><td>X</td><td>X</td></tr> <tr><td>X</td><td>X</td></tr> </table>		X	X	X	X	X	X	X	X	X	X	DW - Drinking Water GW - Ground Water WW - Wastewater SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank	
X	X												
X	X												
X	X												
X	X												
X	X												
		LAB USE ONLY											
		EX44											
		19E5											
		9/9											
Comments / Special Instructions													
Copy A Copy B Raw data Routing courier delivery													
Date Type: 4/14/10 17:10		Received By: M. Davis											
Date Time: 		Received By: 											
Invert Not Invert		Cooler Temp. 5.6°C											

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Reagent-Blank
TB-Trip Blank

LAB USE ONLY
EX49
19ES
99

JA44278: Chain of Custody
Page 1 of 2



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA44278 Client: _____ Immediate Client Services Action Required: No
Date / Time Received: 4/14/2010 Delivery Method: _____ Client Service Action Required at Login: No
Project: _____ No. Coolers: _____ Airbill #'s: _____

Cooler Security

	Y	or	N		Y	or	N
1. Custody Seals Present:	☒		☐	3. COC Present:	☒		☐
2. Custody Seals Intact:	☒		☐	4. Smp Dates/Time OK	☒		☐

Cooler Temperature

	Y	or	N
1. Temp criteria achieved:	☒		☐
2. Cooler temp verification:	Infrared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservation

	Y	or	N	N/A
1. Trip Blank present / cooler:	☒		☐	☐
2. Trip Blank listed on COC:	☒		☐	☐
3. Samples preserved properly:	☒		☐	
4. VOCs headspace free:	☒		☐	☐

Sample Integrity - Documentation

	Y	or	N
1. Sample labels present on bottles:	☒		☐
2. Container labeling complete:	☒		☐
3. Sample container label / COC agree:	☒		☐

Sample Integrity - Condition

	Y	or	N
1. Sample recvd within HT:	☒		☐
2. All containers accounted for:	☒		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions

	Y	or	N	N/A
1. Analysis requested is clear:	☒		☐	
2. Bottles received for unspecified tests	☐		☒	
3. Sufficient volume recvd for analysis:	☒		☐	
4. Compositing instructions clear:	☐		☐	☒
5. Filtering instructions clear:	☐		☐	☒

Comments