April 11, 2013

Mr. Alex Wardle
Commonwealth of Virginia
Department of Environmental Quality
Northern Virginia Regional Office: Remediation
13901 Crown Court
Woodbridge, VA 22193

Re: UST Closure Report
Potomac River Generating Station
1400 North Royal Street, Alexandria, VA

Dear Mr. Wardle:

On behalf of GenOn Potomac River, LLC, URS Corporation (URS) is submitting the UST Closure Report for the above reference site. This report presents the site activities and sampling results associated with the closure of one (1) 4,000 gallon kerosene UST and two (2) 25,000 gallon heating oil USTs.

If you have any questions regarding the UST Closure Report or require additional information, please do not hesitate to contact the undersigned at 301.820.3000.

Sincerely,
URS CORPORATION

Adriane M. Rogers
Environmental Engineer

Mike Myers
Environmental Scientist

Attachment

Cc: Oscar Rodriguez – NRG Energy

URS Corporation
12420 Milestone Center Drive, Suite 150
Germantown, MD. 20876
Tel: 301.820.3000
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UNDERGROUND STORAGE TANK CLOSURE REPORT

POTOMAC RIVER GENERATING STATION
1400 NORTH ROYAL STREET
ALEXANDRIA, VIRGINIA

Prepared for

GenOn Potomac River, LLC
1400 North Royal Street
Alexandria, VA 22314

and

Commonwealth of Virginia
Department of Environmental Quality
Northern Regional Office
13901 Crown Court
Woodbridge, Virginia 22193

April 2013

URS

URS Corporation
12420 Milestone Center Drive, Suite 150
Germantown, Maryland 20876

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GenOn Potomac River, LLC's Potomac River Generating Station (PRGS), retained URS Corporation (URS) of Germantown, Maryland to provide oversight, field screening, and environmental consulting services for the closure of three (3) underground storage tanks (USTs) located at 1400 North Royal Street in Alexandria, VA. The tanks consisted of one 4,000 gallon kerosene UST which was removed from the subsurface and two (2) 25,000 gallon heating oil USTs which were abandoned in place due to the presence of the surrounding building structure which inhibited their removal.

This report is being submitted to the Virginia Department of Environmental Quality (VDEQ) to document the environmental activities associated with UST removal and in-place abandonments.

Field activities began on February 19, 2013, when the 4,000 gallon kerosene UST was removed in the area west of the site's former coal storage yard. Soil sampling activities associated with the kerosene UST's removal took place on the same day. The activities associated with the in-place abandonment of the two 25,000 gallon USTs took place from February 20 to February 22, 2013. Soil sampling activities associated with the in-place abandonment of the two heating oil USTs took place from March 7 to March 11, 2013. This report summarizes the site history, field procedures, and laboratory results of the UST closures.

The site is located at 1400 North Royal Street in Alexandria, VA (**Figure 1**). Based on the United States Geological Survey (USGS) Alexandria, Virginia Quadrangle Topographic Map, the site is located approximately 35 feet above mean sea level. The site is located adjacent to the Potomac River, and is relatively flat lying, sloping gently to the northeast. Based on the surrounding topography, and the proximity of the Potomac River, it is inferred that the groundwater flow direction is to the east.

The site is a recently decommissioned coal power plant. While in operation, the station's five generating units were capable of producing 482 megawatts of electricity, which it supplied to the Pennsylvania/New Jersey/Maryland (PJM) distribution grid. The station used #2 fuel oil to preheat its generating units, and coal as its primary fuel to generate electricity. The area surrounding the site is mixed residential and commercial use, with a condominium building (Marina Towers) approximately 300 yards away. A section of the Mt. Vernon Trail – a multi-use recreating trail extensively used for walking, jogging, bicycling, and other activities – is located immediately adjacent to the station.

The 4,000 gallon kerosene UST is located to the west of the site's coal storage area, beside what was previously the car dumper facility (**Figure 2**). Train tracks run northwest to southeast on either side of the UST area. The UST is approximately 24 feet long and four feet in diameter. Numerous utilities run into and around the surrounding structures, including air, electrical, and fluid lines.

The two 25,000 gallon heating oil USTs are located in the northeastern section of the site, under the electrostatic precipitator structures. The two tanks are each approximately 40 feet long and 10 feet in diameter, with their tops situated roughly six feet below ground surface (bgs). Six underground pipes run from the tanks to the boiler room inside the plant to the west. Tank piping is partially contained in a below grade concrete vault. The steel USTs were fiberglass reinforced plastic (FRP) lined in 1996 and 1997, and passed pressure tests prior to and following the lining procedure. A heating oil unloading station is located to the southeast of the tanks, and a drain grate is located to the east to contain any surface spills. This drain grate is connected to an oil spillage tank with an oil-water separator in the boiler room via a subsurface drainage pipe located approximately three feet bgs. To the south of the USTs, three river water intake pipes, lying six feet bgs, run southeast from the boiler room. The locations of the utilities around the two USTs are shown in **Figure 3**.

The following summarizes the known history of the site:

- On September 16, 1985, a petroleum release was reported to the Virginia State Water Control Board. Approximately 50 gallons of number 2 fuel oil was released as a result of a space heater valve that had been left open when the boilers were lit off. No further investigation was warranted due to the small amount of product lost, the high dilution factor, the infeasibility of containment, and the fact that the receiving water body is outside of the jurisdiction of Virginia.
- In 1992, a soil sample collected during the construction of one of the two soil vapor monitoring wells in the area of the 4,000 gallon kerosene UST revealed TPH levels of 390 ppm. Following that, the tank was tightness tested and failed the test as a result of vibration due to movement of coal cars, and therefore the result was found to be invalid. A subsequent precision test was conducted on August 8, 1992 by the original installers of the tank. The tank passed the test. A site assessment was conducted and as a result, a groundwater recovery system was installed to recover any residual oil that may be present in groundwater. Based on the results of the groundwater samples collected from two monitoring wells showing no detectable levels of hydrocarbons, the case was closed by VDEQ in April 1999.
- In June 1996, a LUST case referring to the 3,500 gallon diesel UST was closed. When this tank was closed in place, elevated levels of TPH were detected in the soil. A site characterization was completed by Fluor Daniel GTI, and the VDEQ closed this case. According to PEPCo personnel, who owned and operated the facility at the time, acceptable cleanup standards were met.
- On February 19, 2013, UST removal and in place abandonment activities began at the site. Details are further discussed in this report.
- On March 11, 2013, PC number 2013-3128 was assigned to the 4,000 gallon kerosene UST area of the site for elevated vapor observations recorded and communicated to the VDEQ pertaining to the removal of the 4,000 gallon kerosene UST.
- On April 2, 3013, PC number 2013-3154 was assigned to the site for apparent petroleum soil staining, apparent petroleum odors, elevated vapor readings, and elevated hydrocarbon concentrations in both groundwater and soil samples pertaining to the in-place abandonment of the two 25,000 gallon heating oil USTs.

On January 31, 2013, the City of Alexandria issued a Demolition Permit (**Appendix A**) to PRGS, that granted permission to proceed with the removal of the 4,000 gallon kerosene UST and the in-place abandonment of the two 25,000 gallon USTs. The following section summarizes the removal of the 4,000 gallon kerosene UST:

Removal of the 4,000 gallon kerosene UST took place on February 19, 2013. The removal was carried out by Crawford Environmental Services (Crawford), a contractor for PRGS. First, Crawford removed the soil covering the 4,000 gallon kerosene UST and stockpiled it using a backhoe excavator. URS screened random samples from the soil stockpile for Volatile Organic Compounds (VOCs) using a photo-ionization detector (PID). The PID detected VOC readings from stockpiled soils collected from the northwest corner of the tank pit that ranged from 80 to 400 ppm. On February 19, 2013, URS notified the VDEQ of the VOC readings and on March 11, 2013, a PC number 2013-3128 was assigned to the case.

The soil on the sides of the UST was then removed, uncovering concrete footers supporting piping for compressed air and heating oil (**Appendix B – Photo 1).** The excavation was temporarily halted while Crawford worked with the onsite engineers to isolate the air lines by closing them off closer to the air source. A pump supported by the concrete footer was also secured to prevent it from falling into the excavation when more soil was removed.

When the utilities within the excavation area had been secured, the excavation of the remaining soil around the UST proceeded. Following the removal of the soil, the UST was removed from the ground and staged near the excavation area (**Appendix B – Photo 2**). URS collected soil samples from the extent of the UST pit using the bucket of the backhoe. Crawford then backfilled the pit to grade using the material recovered from the excavation, as well as additional clean fill material brought in from off site.

This section discusses the sample collection procedures associated with the removal of the 4,000 gallon kerosene UST.

On February 19, 2013, a total of eight soil samples were collected from the former UST pit: six from the sidewalls of the pit (SW1 through SW6), and two from the floor of the pit (FS1 and FS2). The soil samples were screened for VOCs using a PID and were subsequently submitted to TestAmerica Laboratories in Nashville TN, where each sample was analyzed for benzene, toluene, ethylbenzene, total xylenes (BTEX), and methyl tert-butyl ether (MTBE) by EPA Method 8260B, and total petroleum hydrocarbon (TPH) gasoline range organics (GRO), and TPH diesel range organics (DRO) by EPA Method 8015B. The results of these analyses are discussed in the following section.

This section discusses the analytical results. Actual results are given only for detections of concern. For specific sample locations and all detected concentrations around the 4,000 gallon kerosene UST, refer to **Figure 4**. For the laboratory analytical reports of the sample results, refer to **Appendix C**. A summary of complete analytical results can be found in **Table 1**.

Individual constituents of concern were observed as follows:

- Benzene was not detected in any of the soil samples.
- Toluene was detected in one of the soil samples, with a concentration of 0.0147 mg/kg (SW6).
- Ethylbenzene was detected in one of the soil samples, with a concentration of 0.0353 mg/kg (SW6).
- Total xylenes were detected in two of the soil samples, with a maximum concentration of 0.251 mg/kg (SW6).
- Total BTEX constituents were detected in two of the soil samples, with a maximum concentration of 0.602 mg/kg (SW6). MTBE was not detected in any of the soil samples.
- TPH-GRO were detected in five of the soil samples, with a maximum concentration of 358 mg/kg (SW1).
- TPH-DRO were detected in six of the soil samples, with a maximum concentration of 738 mg/kg (SW1).

The following sections summarize the in-place abandonment activities for the two 25,000 gallon heating oil USTs.

The two 25,000 gallon USTs could not be physically removed from the subsurface due to the location underneath the plant's precipitators. Approval was granted from the City of Alexandria to abandon the two USTs in place.

The in-place abandonments of the two 25,000 gallon heating oil USTs took place from February 20 to February 22, 2013, and were also performed by Crawford Environmental Services. When the abandonments began, the two USTs had previously been purged of liquids and vapors. The six subsurface pipes leading to the USTs from inside the boiler room were cut and capped by Crawford from the opposite side of the wall. Crawford then filled each of the tanks to capacity with flowable concrete fill. Invoices from the fill material can be found in **Appendix D.**

This section discusses the sample collection procedures associated with the in-place abandonment of the two 25,000 gallon heating oil USTs. Because excavation and removal of the two tanks was not part of the in place abandonment, soil borings were advanced for the purpose of analyzing subsurface soil and groundwater concentrations of constituents of concern in the vicinity of the two 25,000 gallon USTs. These results would then determine the appropriate course of action moving forward.

Prior to the advancement of the soil borings around the two 25,000 gallon heating oil USTs, a private utility survey was performed using ground-penetrating radar (GPR) on March 1, 2013. Following the survey, URS identified six borehole locations (borings B-1 through B-6) in the vicinity of the two USTs, shown in **Figure 5**.

Soil boring and temporary monitoring well installation around the two heating oil USTs took place from March 4 to March 11, 2013. Each of the soil borings was excavated to at least five feet below ground surface (bgs) using air knife technology to clear them of utilities, then advanced using a direct-push drill rig. Borings B-1, B-3, B-4 and B-5 were advanced to the depth of the water table, at which point temporary monitoring wells were installed in the boreholes at depths such that the well screens intersected the water table. Borings B-2 and B-6 encountered refusal at 18 feet and 15 feet bgs, respectively. Boring B-8 was advanced to offset boring B-2, and encountered refusal at 5.5 feet bgs. Boring B-7 was advanced to offset boring B-6, and encountered refusal at 15 feet bgs. Following the refusal in these two boreholes, no further attempts were made to advance additional borings in these locations. Boring logs from all locations can be found in **Appendix E.**

Black staining and an apparent petroleum odor were observed at depths as shallow as 21 feet bgs in borings B-1, B-3, B-4, and B-5. In borings B-2, B-6, B-7, and B-8, where refusal was encountered before a depth of 21 feet could be reached, no black staining or petroleum odor was observed in the recovered soil. During the boring activities, URS screened soil samples for VOCs using a PID. Vapor readings ranged from 0 to approximately 200 ppm. Based on the presence of soil staining, petroleum odors, and the elevated PID recordings, URS notified the VDEQ on March 8, 2013.

Two samples were collected from each of the borings B-1, B-3, B-4, and B-5. The first sample was collected in the interval with the highest PID readings and the second sample from the capillary fringe zone. In boring B-7, where the capillary fringe zone was not reached due to refusal, the two samples with the highest PID readings were collected.

Groundwater samples were collected from the temporary monitoring wells installed in borings B-1, B-3, B-4, and B-5. Prior to sampling, the monitoring wells were developed by purging the wells with a hand-bailer until the recovered water appeared clear. The wells were then allowed to recharge, then were purged of at least three well volumes of groundwater, at which point a groundwater sample was collected. The ten soil samples and four groundwater samples were submitted to TestAmerica Laboratories in Nashville TN, where they were analyzed for BTEX and MTBE by EPA Method 8260B, and TPH-GRO and TPH-DRO by EPA Method 8015B. The results of these analyses are discussed in the following section.

This section discusses the analytical results in each area around the two 25,000 gallon USTs. Actual results are given only for detections of concern. For the detected concentrations for the soil and groundwater samples around the two 25,000 gallon heating oil USTs, refer to **Figure 6** and **Figure 7**, respectively. For the laboratory analytical reports of the sample results, refer to **Appendix C**. A complete summary of soil and groundwater analytical results can be found in **Table 2** and **Table 3,** respectively.

Individual constituents of concern in soil were observed as follows:

- Benzene was detected in two soil samples, with a maximum concentration of 0.262 mg/kg (B3-31).
- Toluene was detected in two soil samples, with a maximum concentration of 0.00573 mg/kg (B3-31).
- Ethylbenzene was detected in six soil samples, with a maximum concentration of 8.95 mg/kg (B4-24).
- Total xylenes were detected in six soil samples, with a maximum concentration of 40.1 mg/kg (B4-24).
- Total BTEX constituents were detected in six of the soil samples, with a maximum concentration of 49.27066 mg/kg (B4-24).
- MTBE was not detected in any of the soil samples.
- TPH-GRO were detected in six soil samples, with a maximum concentration of 835 mg/kg (B4-24).
- TPH-DRO were detected in eight soil samples, with a maximum concentration of 5,950 mg/kg (B4-24).

Liquid phase hydrocarbon (LPH) was not observed in any of the groundwater samples recovered from the temporary monitoring wells installed in borings B-1, B-3, B-4, and B-5. Individual constituents of concern in soil were observed as follows:

- Benzene was detected in all four of the groundwater samples, with a maximum concentration of 4.16 µg/L (B5).
- Toluene was detected in three groundwater samples, with a maximum concentration of 8.66 µg/L (B1).
- Ethylbenzene was detected in all four of the groundwater samples, with a maximum concentration of 10.8 µg/L (B3).
- Total xylenes were detected in all four of the groundwater samples, with a maximum concentration of 42.6 µg/L (B3).
- Total BTEX constituents were encountered in all four groundwater samples, with a maximum concentration of 58.28 µg/L (B3).
- MTBE was not detected in any of the groundwater samples.
- TPH-GRO were detected in three groundwater samples, with a maximum concentration of 1,280 µg/L (B4).
- TPH-DRO were detected in all three of the groundwater samples for which it was analyzed, with a maximum concentration of 112,000 µg/L (B4). Groundwater sample B1

was not analyzed for TPH-DRO, because the bottle containing the sample broke in transit to the laboratory.

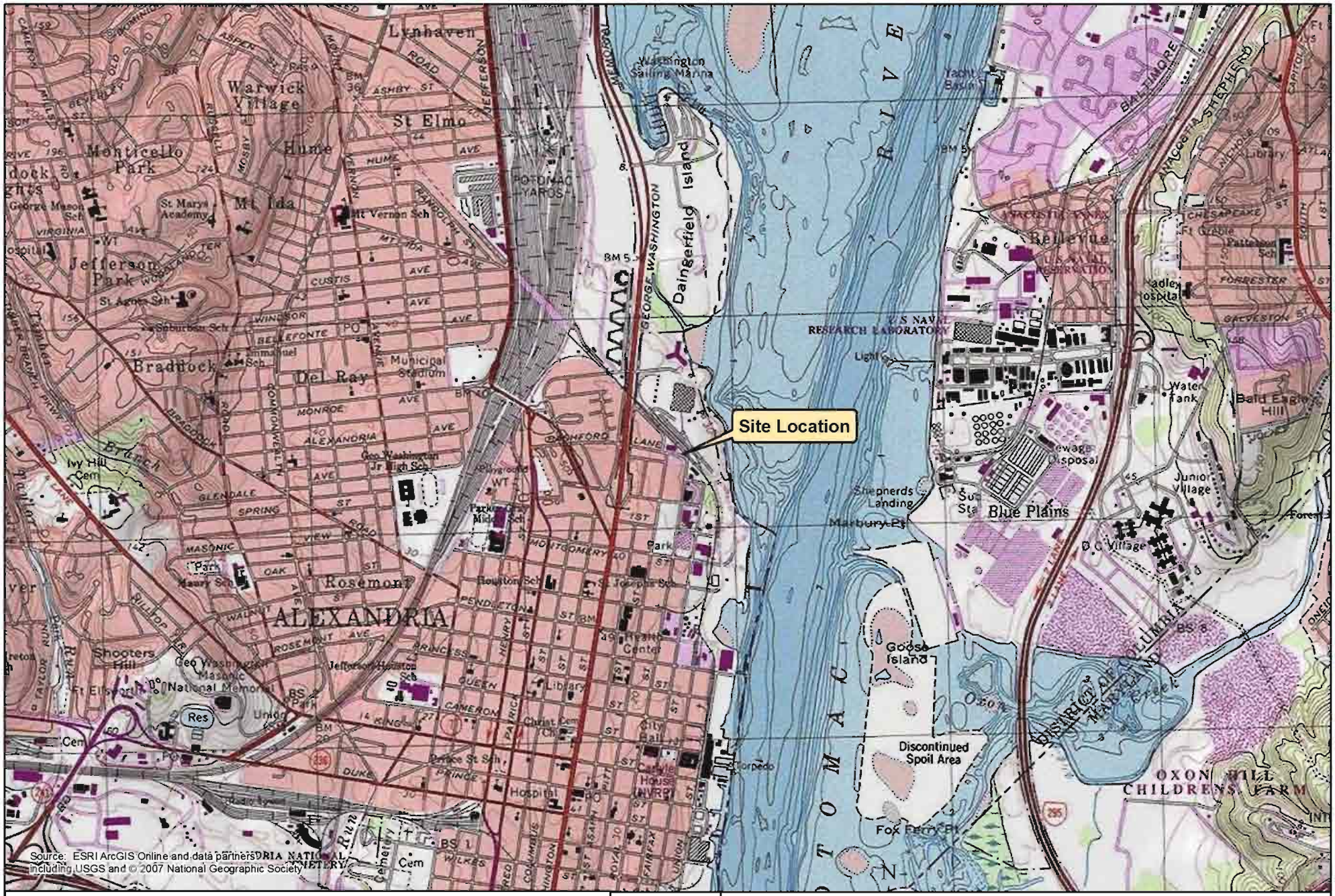
PRGS retained Crawford Environmental to perform the excavation and removal of one 4,000 gallon kerosene UST and abandonment in-place of two 25,000 gallon heating oil USTs. PRGS retained URS Corporation to provide environmental consulting services pertaining to the UST tank removal and two in-place UST abandonments.

UST removal activities began on February 19, 2013 with the removal of the 4,000 gallon kerosene UST. UST abandonment in-place activities of the two 25,000 gallon heating oil USTs occurred from February 20 to February 22, 2013.

Based on the presence of VOC vapors during the 4,000 gallon kerosene UST removal, the VDEQ has issued PC Number 2013-3128 directing the characterization of the site surrounding the abandoned 4,000 gallon UST. The site characterization activities will be completed and the results reported to the VDEQ by May 13, 2013.

Environmental investigation around the two abandoned in-place 25,000 gallon heating oil USTs indicated apparent petroleum soil staining, apparent oil odors, elevated vapor readings, and elevated hydrocarbon concentrations in both groundwater and soil samples. The VDEQ has issued PC Number 2013-3154 directing the characterization of the site surrounding the two 25,000 gallon abandoned in-place USTs. The site characterization will be completed and the results reported to the VDEQ by June 3, 2013.

Figures



SITE	Potomac River Generating Station				TITLE	USGS Topographic Map	
SCALE	1:24,000	0 1,000 2,000 4,000 Feet			URS 12420 Milestone Center Drive Germantown, MD 20876	Site Address: 1400 North Royal Street, Alexandria, VA	FIGURE 1
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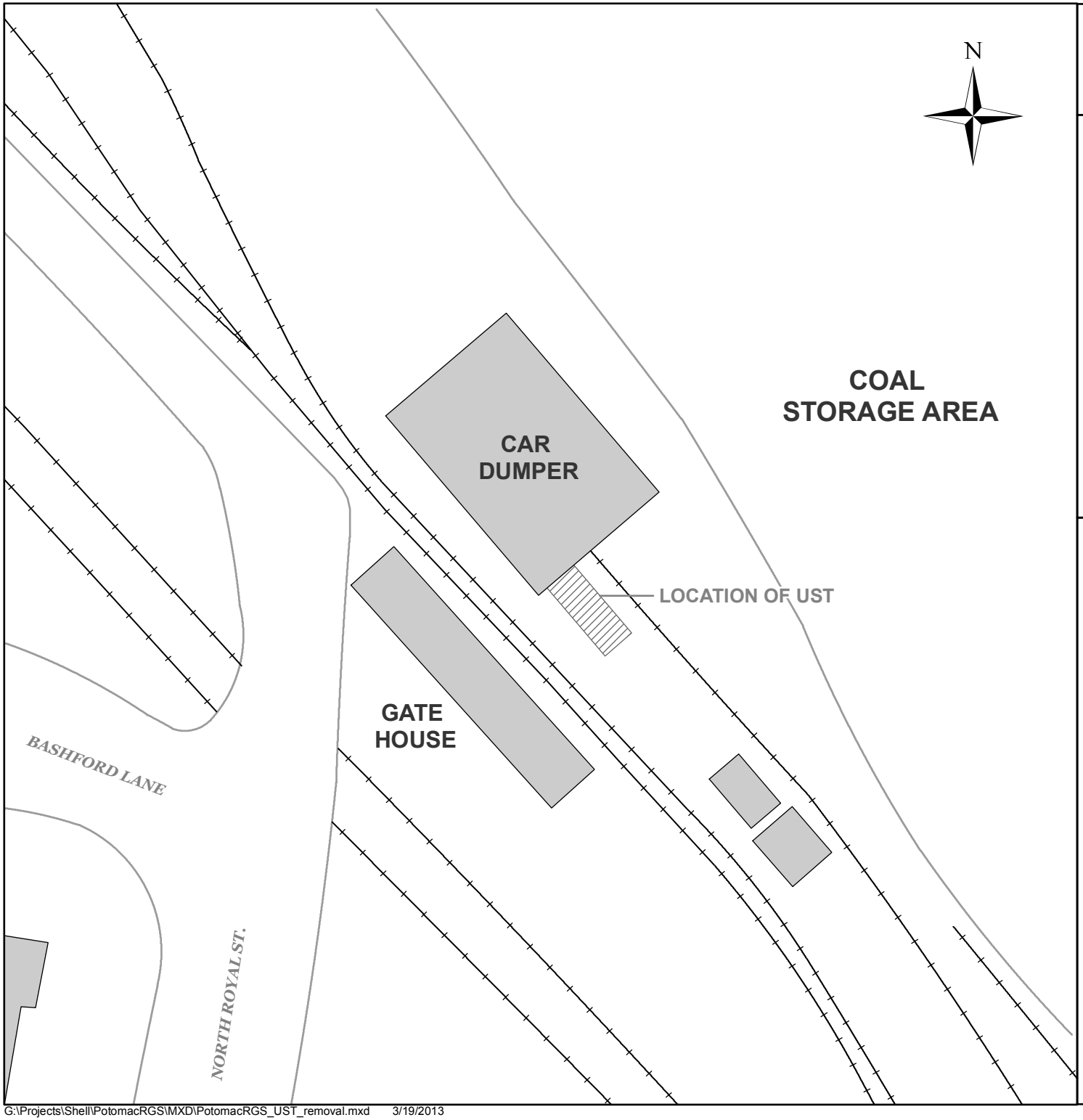

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Legend

- Structure
- UST
- Rail Track
- Road and Curb Boundary

0 40 80 Feet

1 inch = 40 feet

Figure 2
Kerosene UST Location
Potomac River Generating Station
Alexandria, VA

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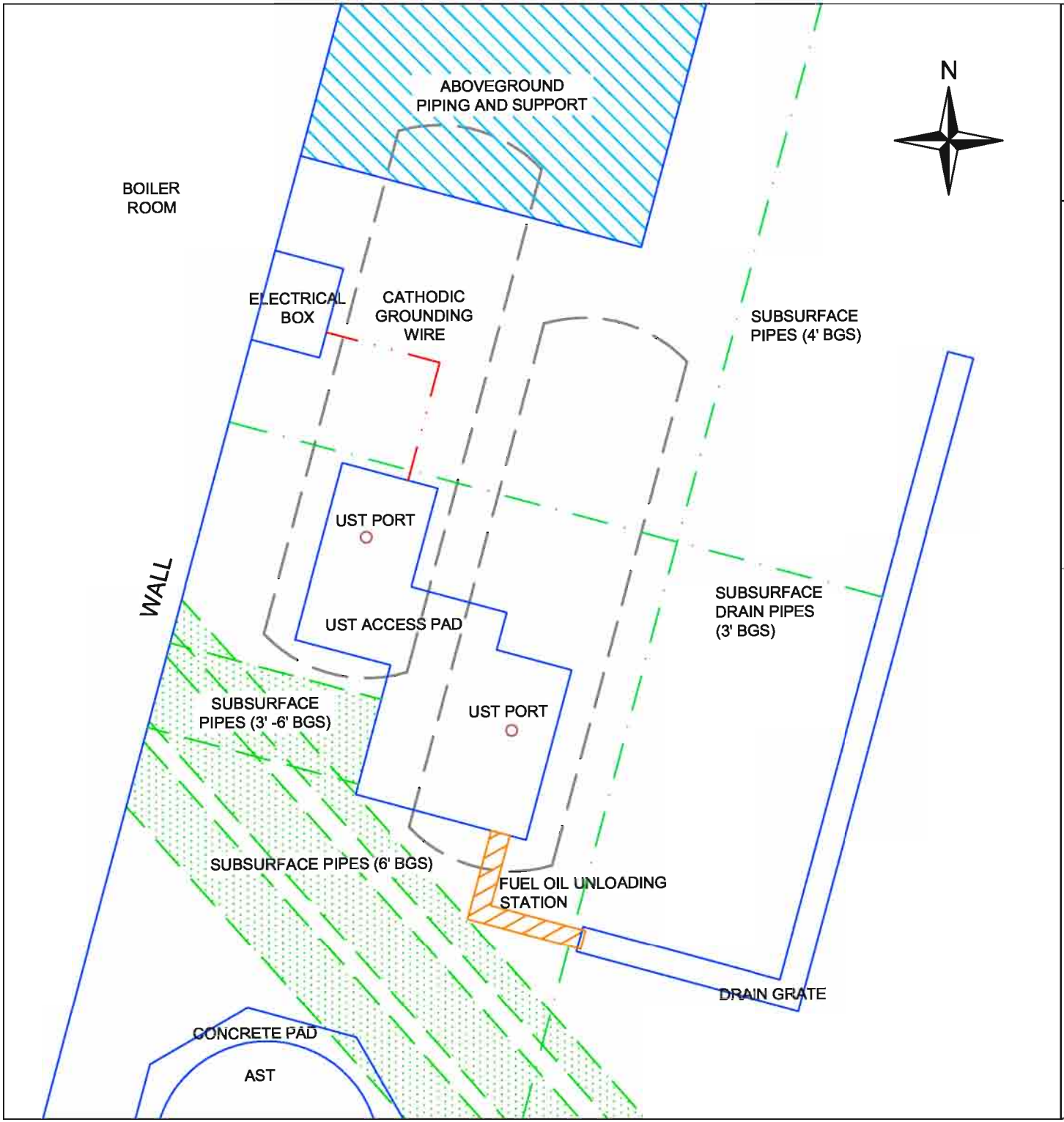

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Task\UST Removal
Sampling Work Plan

Date: 03/20/2013

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Checked: ES

Legend

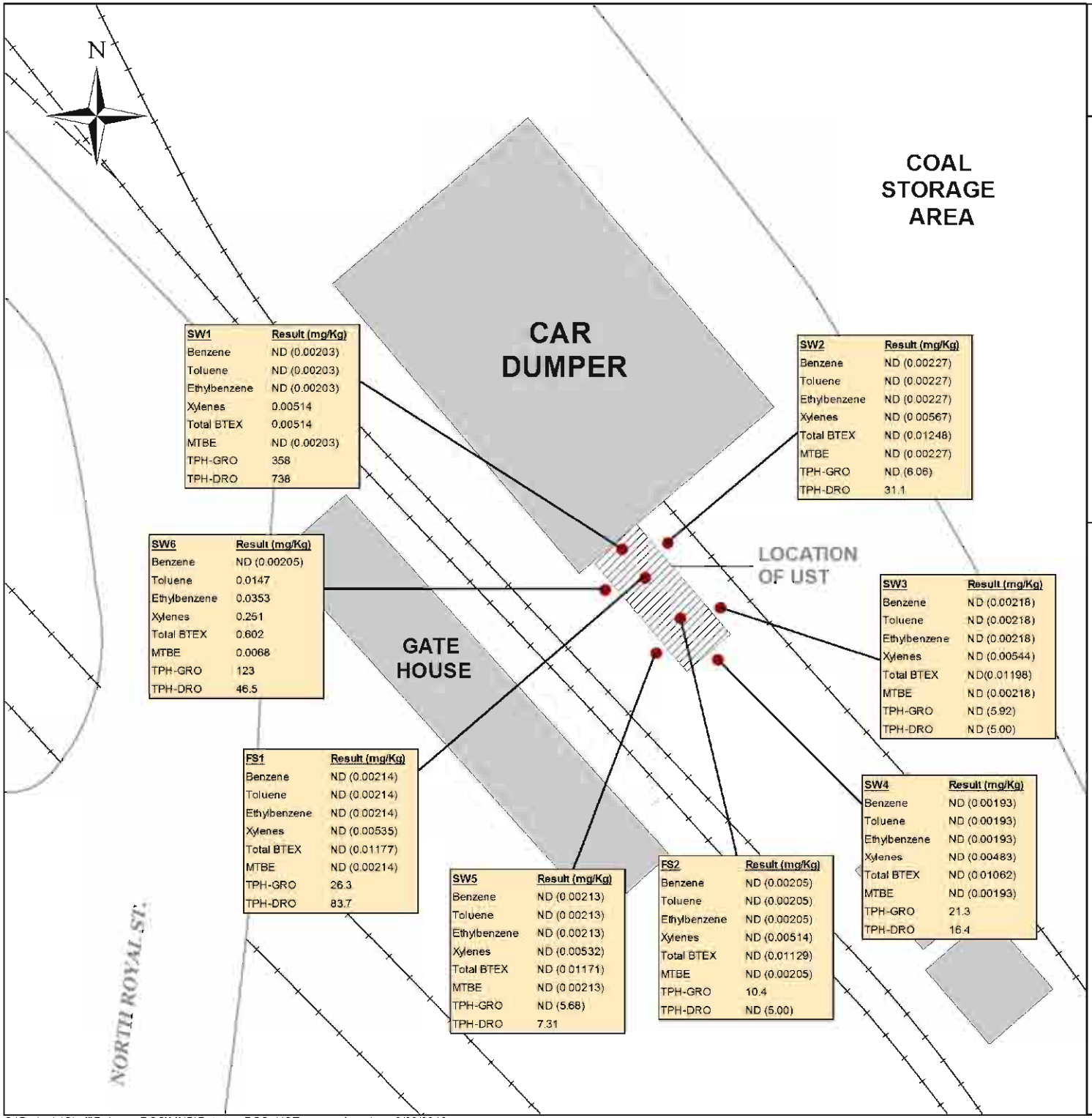
- Structure
- UST Footprint
- UST Access Port
- Subsurface Pipe
- Cathodic Grounding Wire

0 10 20 Feet

1 inch = 10 Feet

Figure 3

Heating Oil UST Utility Locations
Potomac River Generating Station
Alexandria, VA



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Germantown, MD 20876

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Date: 03/19/2013
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Source:

Legend

- Soil Sample Location
- Structure
- UST
- Rail Track
- Road and Curb Boundary

0 25 50 Feet

1 inch = 25 feet

Figure 1
UST and Soil Sample Locations
Potomac River Generating Station
Alexandria, VA

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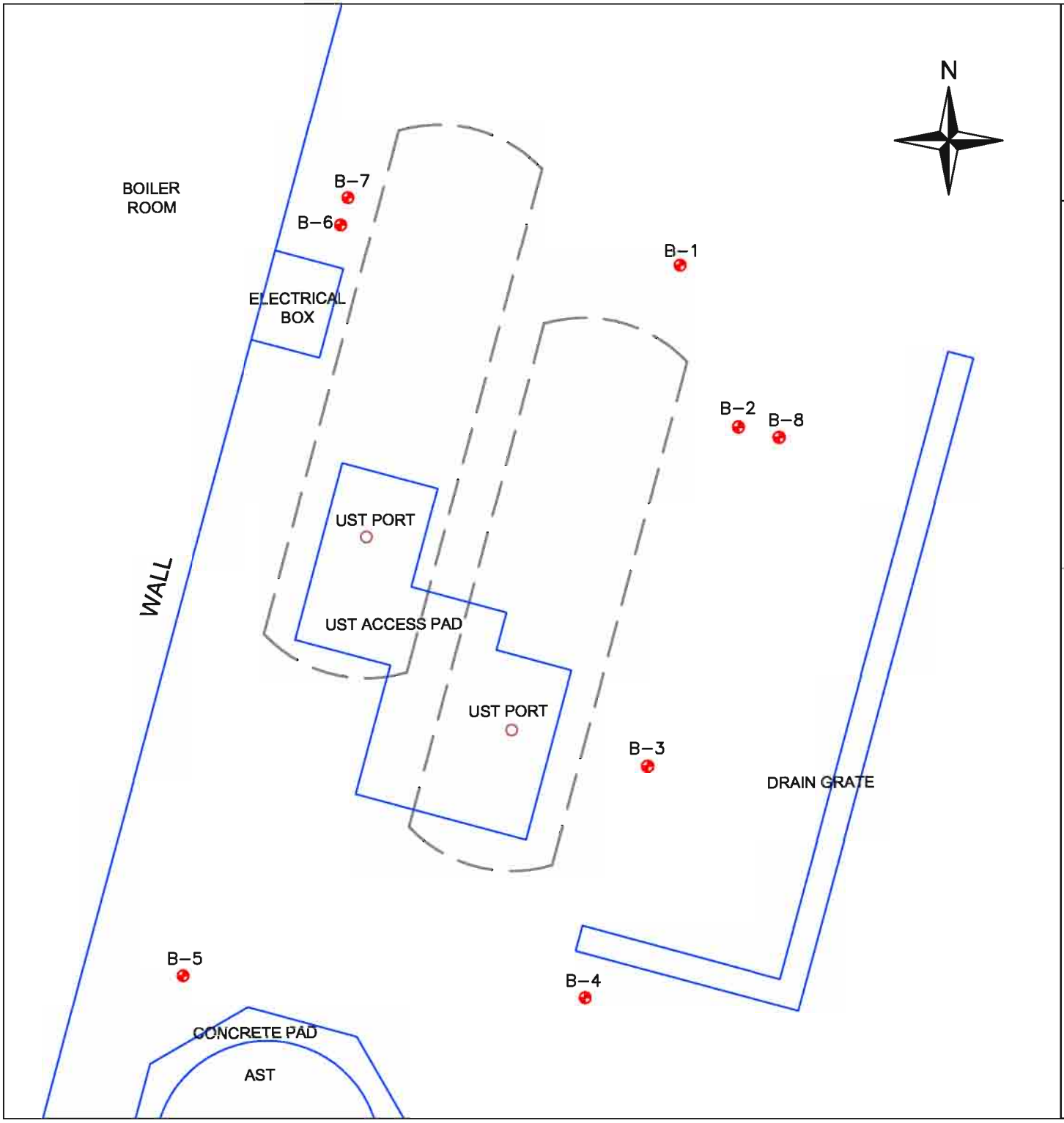

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Date: 03/20/2013

Created: QH

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Legend

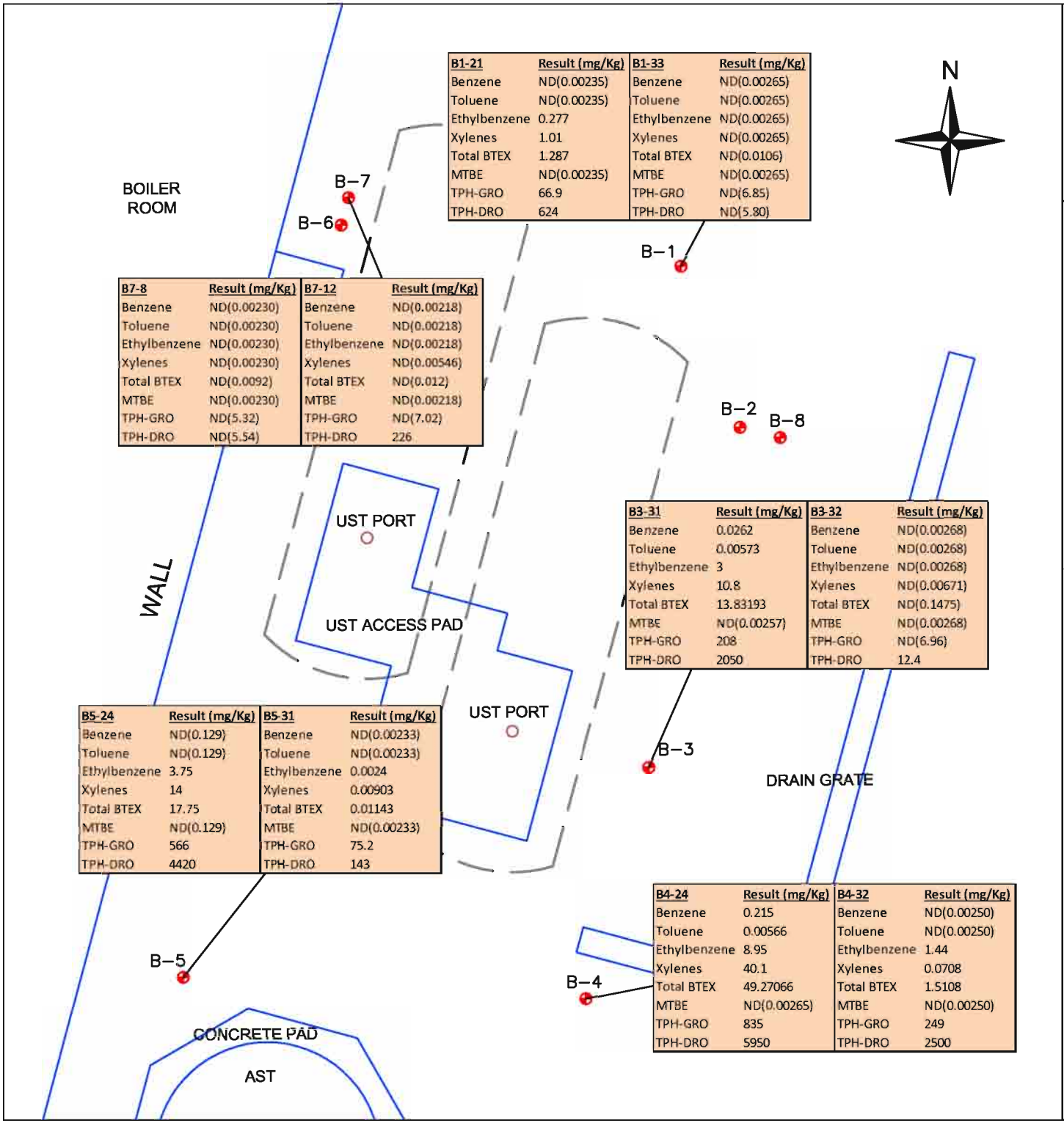
- Structure
- UST Footprint
- UST Access Port
- Soil Boring Location

0 10 20 Feet

1 inch = 10 Feet

Figure 5

Heating Oil UST Boring Locations
Potomac River Generating Station
Alexandria, VA



B1-21	Result (mg/Kg)
Benzene	ND(0.00235)
Toluene	ND(0.00235)
Ethylbenzene	0.277
Xylenes	1.01
Total BTEX	1.287
MTBE	ND(0.00235)
TPH-GRO	66.9
TPH-DRO	624

B1-33	Result (mg/Kg)
Benzene	ND(0.00265)
Toluene	ND(0.00265)
Ethylbenzene	ND(0.00265)
Xylenes	ND(0.00265)
Total BTEX	ND(0.0106)
MTBE	ND(0.00265)
TPH-GRO	ND(6.85)
TPH-DRO	ND(5.80)

B7-8	Result (mg/Kg)
Benzene	ND(0.00230)
Toluene	ND(0.00230)
Ethylbenzene	ND(0.00230)
Xylenes	ND(0.00230)
Total BTEX	ND(0.0092)
MTBE	ND(0.00230)
TPH-GRO	ND(5.32)
TPH-DRO	ND(5.54)

B7-12	Result (mg/Kg)
Benzene	ND(0.00218)
Toluene	ND(0.00218)
Ethylbenzene	ND(0.00218)
Xylenes	ND(0.00546)
Total BTEX	ND(0.012)
MTBE	ND(0.00218)
TPH-GRO	ND(7.02)
TPH-DRO	226

B3-31	Result (mg/Kg)
Benzene	0.0262
Toluene	0.00573
Ethylbenzene	3
Xylenes	10.8
Total BTEX	13.83193
MTBE	ND(0.00257)
TPH-GRO	208
TPH-DRO	2050

B3-32	Result (mg/Kg)
Benzene	ND(0.00268)
Toluene	ND(0.00268)
Ethylbenzene	ND(0.00268)
Xylenes	ND(0.00671)
Total BTEX	ND(0.1475)
MTBE	ND(0.00268)
TPH-GRO	ND(6.96)
TPH-DRO	12.4

B5-24	Result (mg/Kg)
Benzene	ND(0.129)
Toluene	ND(0.129)
Ethylbenzene	3.75
Xylenes	14
Total BTEX	17.75
MTBE	ND(0.129)
TPH-GRO	566
TPH-DRO	4420

B5-31	Result (mg/Kg)
Benzene	ND(0.00233)
Toluene	ND(0.00233)
Ethylbenzene	0.0024
Xylenes	0.00903
Total BTEX	0.01143
MTBE	ND(0.00233)
TPH-GRO	75.2
TPH-DRO	143

B4-24	Result (mg/Kg)
Benzene	0.215
Toluene	0.00566
Ethylbenzene	8.95
Xylenes	40.1
Total BTEX	49.27066
MTBE	ND(0.00265)
TPH-GRO	835
TPH-DRO	5950

B4-32	Result (mg/Kg)
Benzene	ND(0.00250)
Toluene	ND(0.00250)
Ethylbenzene	1.44
Xylenes	0.0708
Total BTEX	1.5108
MTBE	ND(0.00250)
TPH-GRO	249
TPH-DRO	2500

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Date: 03/20/2013

Created: QH

Checked: ES

Legend

- Structure
- UST Footprint
- UST Access Port
- Soil Boring Location

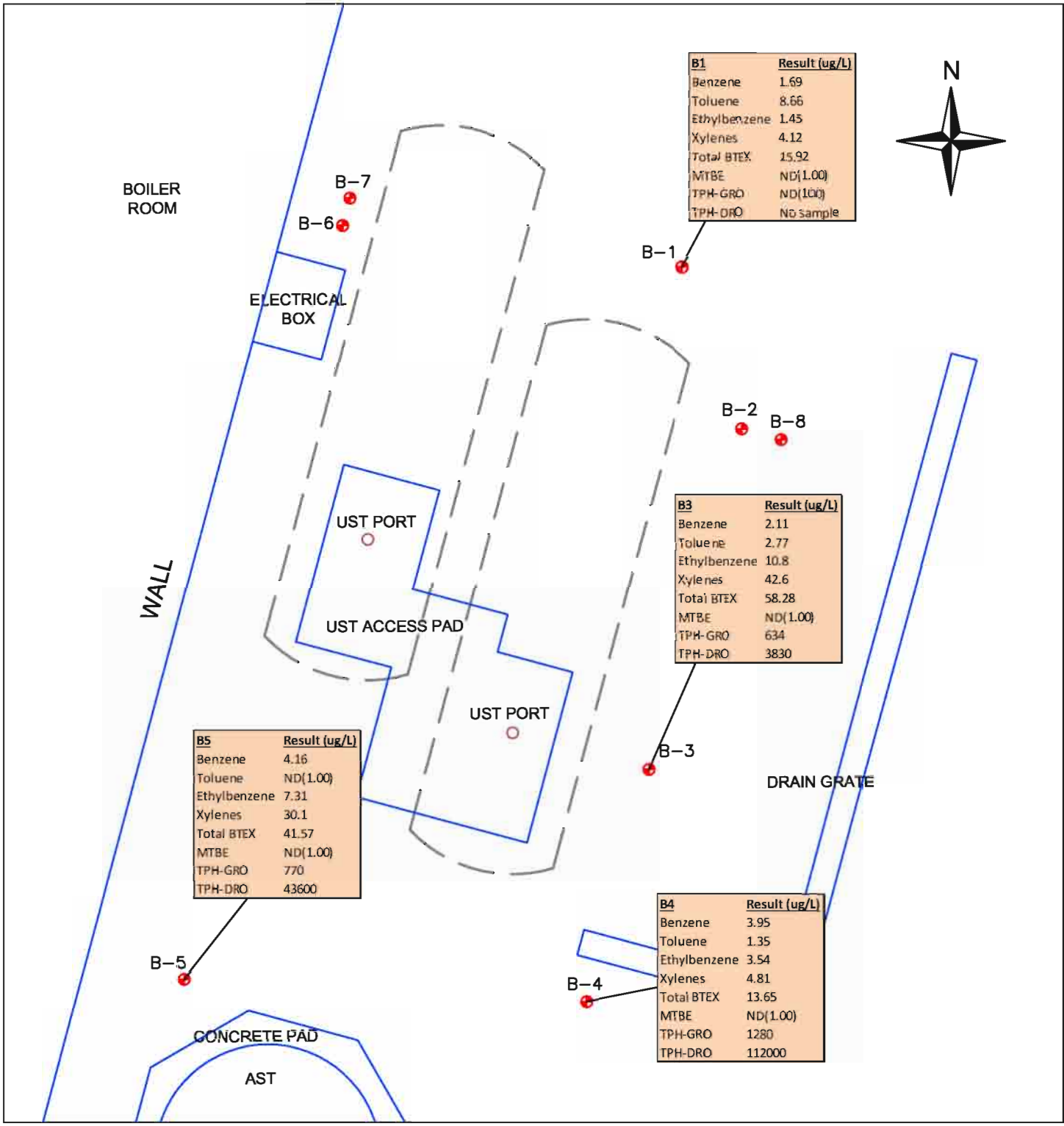
Data from March 7 - March 11, 2013

0 10 20 Feet

1 inch = 10 Feet

Figure 6

Heating Oil UST Soil Sampling Results
Potomac River Generating Station
Alexandria, VA



B1	Result (ug/L)
Benzene	1.69
Toluene	8.66
Ethylbenzene	1.45
Xylenes	4.12
Total BTEX	15.92
MTBE	ND(1.00)
TPH-GRO	ND(100)
TPH-DRO	No Sample

B3	Result (ug/L)
Benzene	2.11
Toluene	2.77
Ethylbenzene	10.8
Xylenes	42.6
Total BTEX	58.28
MTBE	ND(1.00)
TPH-GRO	634
TPH-DRO	3830

B5	Result (ug/L)
Benzene	4.16
Toluene	ND(1.00)
Ethylbenzene	7.31
Xylenes	30.1
Total BTEX	41.57
MTBE	ND(1.00)
TPH-GRO	770
TPH-DRO	43600

B4	Result (ug/L)
Benzene	3.95
Toluene	1.35
Ethylbenzene	3.54
Xylenes	4.81
Total BTEX	13.65
MTBE	ND(1.00)
TPH-GRO	1280
TPH-DRO	112000

URS

12420 Milestone Center Drive
Germantown, MD 20876

\\10.90.4.1\rem\GenOn\UST Task\UST Removal Sampling Work Plan

Date: 03/20/2013

Created: QH

Checked: ES

Legend

- Structure
- UST Footprint
- UST Access Port
- Soil Boring Location

Data from March 8 - March 11, 2013

0 10 20 Feet

1 inch = 10 Feet

Figure 7

Heating Oil UST Groundwater Sampling Results
Potomac River Generating Station
Alexandria, VA

Tables

Table 1

4,000 GALLON KEROSENE UST SOIL SAMPLING RESULTS

Soil								
Sample ID	**Benzene (mg/Kg)**	**Toluene (mg/Kg)**	**Ethylbenzene (mg/Kg)**	**Xylenes (mg/Kg)**	**BTEX (mg/Kg)**	**MTBE (mg/Kg)**	**GRO (mg/Kg)**	**DRO (mg/Kg)**
SW1	ND (0.00203)	ND (0.00203)	ND (0.00203)	0.00514	0.00514	ND (0.00203)	358	738
SW2	ND (0.00227)	ND (0.00227)	ND (0.00227)	ND (0.00567)	ND (0.01248)	ND (0.00227)	ND (6.06)	31.1
SW3	ND (0.00218)	ND (0.00218)	ND (0.00218)	ND (0.00544)	ND(0.01198)	ND (0.00218)	ND (5.92)	ND (5.00)
SW4	ND (0.00193)	ND (0.00193)	ND (0.00193)	ND (0.00483)	ND (0.01062)	ND (0.00193)	21.3	16.4
SW5	ND (0.00213)	ND (0.00213)	ND (0.00213)	ND (0.00532)	ND (0.01171)	ND (0.00213)	ND (5.68)	7.31
SW6	ND (0.00205)	0.0147	0.0353	0.251	0.602	0.0068	123	46.5
FS1	ND (0.00214)	ND (0.00214)	ND (0.00214)	ND (0.00535)	ND (0.01177)	ND (0.00214)	26.3	83.7
FS2	ND (0.00205)	ND (0.00205)	ND (0.00205)	ND (0.00514)	ND (0.01129)	ND (0.00205)	10.4	ND (5.00)

ND = Non-detect (Reporting Limit)

Table 2

25,000 GALLON HEATING OIL UST SOIL SAMPLING RESULTS

Soil								
Sample ID	**Benzene (mg/Kg)**	**Toluene (mg/Kg)**	**Ethylbenzene (mg/Kg)**	**Xylenes (mg/Kg)**	**BTEX (mg/Kg)**	**MTBE (mg/Kg)**	**GRO (mg/Kg)**	**DRO (mg/Kg)**
B1-21	ND(0.00235)	ND(0.00235)	0.277	1.01	1.287	ND(0.00235)	66.9	624
B1-33	ND(0.00265)	ND(0.00265)	ND(0.00265)	ND(0.00265)	ND(0.0106)	ND(0.00265)	ND(6.85)	ND(5.80)
B3-31	0.0262	0.00573	3	10.8	13.83193	ND(0.00257)	208	2050
B3-32	ND(0.00268)	ND(0.00268)	ND(0.00268)	ND(0.00671)	ND(0.1475)	ND(0.00268)	ND(6.96)	12.4
B4-24	0.215	0.00566	8.95	40.1	49.27066	ND(0.00265)	835	5950
B4-32	ND(0.00250)	ND(0.00250)	1.44	0.0708	1.5108	ND(0.00250)	249	2500
B5-24	ND(0.129)	ND(0.129)	3.75	14	17.75	ND(0.129)	566	4420
B5-31	ND(0.00233)	ND(0.00233)	0.0024	0.00903	0.01143	ND(0.00233)	75.2	143
B7-08	ND(0.00230)	ND(0.00230)	ND(0.00230)	ND(0.00230)	ND(0.0092)	ND(0.00230)	ND(5.32)	ND(5.54)
B7-12	ND(0.00218)	ND(0.00218)	ND(0.00218)	ND(0.00546)	ND(0.012)	ND(0.00218)	ND(7.02)	226

ND = Non-detect (Reporting Limit)

Table 3

25,000 GALLON HEATING OIL UST GROUNDWATER SAMPLING RESULTS

Sample ID	Benzene (ug/L)	Ethylbenzene (ug/L)	MTBE (ug/L)	Toluene (ug/L)	Xylenes (ug/L)	BTEX (ug/L)	GRO (ug/L)	DRO (ug/L)
B-1	1.69	1.45	ND(1.00)	8.66	4.12	15.92	ND(100)	No sample
B-3	2.11	10.8	ND(1.00)	2.77	42.6	58.28	634	3830
B-4	3.95	3.54	ND(1.00)	1.35	4.81	13.65	1280	112000
B-5	4.16	7.31	ND(1.00)	ND(1.00)	30.1	41.57	770	43600

ND = Non-detect (Reporting Limit)

Appendix A
Demolition Permit

City of Alexandria, Virginia

Department of Code Administration
301 King Street, Suite 4200
Alexandria, Virginia 22314
email: permit.center@alexandriava.gov

DEMOLITION PERMIT

Case Number: *DEM2012-00105* **Issued:** *01/31/2013* **Expires:** ***07/31/2013***

MASTER BUILDING PERMIT NUMBER: *DEM2012-00105* **PARCEL RESTRICTIONS:**

Project Address: *1400 N ROYAL ST*

Project Name: *POTOMAC RIVER GENERATING ST*

Project Description:

REMOVAL OF ONE 4,000 GALLON KEROSENE UST AND IN-PLACE CLOSURE OF TWO 25,000GALLON HEATING OIL USTS

Project Details:

CODE EDITION: N/A *N/A*
USE GROUPS: *N/A*
CONSTR TYPE: *N/A*
OCCUPANT LOAD: *N/A*

BUILDING AREA:
GROSS *N/A*
ALTERED *N/A sf*
NEW *N/A sf*

EST. CONSTRUCTION COST:
$0

CATEGORIES OF WORK:
N/A

OWNER INFORMATION:
GENON ENERGY
1400 N ROYAL ST
ALEXANDRIA VA 22314

CONTRACTOR INFORMATION:
CRAWFORD ENVIRONMENTAL
15 CHURCH AVE SW
ROANOKE VA 24011

Contact Information:
Primary Phone: *540-343-6256*

License Information:
License Type: *Contractor, Class A*
License Number: *2705076157*
License Exp. Date: *04/30/2013*

Prohibited Hours of Construction:

Day	Before	After
Mon-Fri	7 a.m.	6 p.m.
Saturday	9 a.m.	6 p.m.
Sunday	All hours	

Holidays per 11-5-5(a)5(a)* All Hours
* Section 11-5-5 (a)5(a) defines holidays as January 1st, Memorial Day, July 4th, Labor Day, Thanksgiving Day, Christmas Day

FEES:

PERMIT-RES STRUCT, NONRES ACC	$150.00
Admin - Res Stru	$20.25
InfoTech - Res Stru	$12.50
PermCtr- Res Stru	$8.75
Training - Res Stru	$0.63
Va Tng - Res Stru	$1.30
Total:	$193.43

DEM

John D. Catlett

BUILDING OFFICIAL: JOHN D. CATLETT

Please visit the Online Alexandria Permit Center at permits.alexandriava.gov to apply for additional permits.

RIGHT IS RESERVED TO INSPECT WORK AUTHORIZED BY THIS PERMIT AS OFTEN AS NECESSARY TO DETERMINE COMPLIANCE WITH THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE. AUTHORIZATION TO ALTER, USE, OR CROSS PUBLIC SIDEWALKS, CURBS, OR OTHER PUBLIC SPACES MUST BE OBTAINED FROM THE DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES. THIS PERMIT EXPIRES IF WORK IS NOT STARTED OR IF WORK IS ABANDONED FOR SIX MONTHS. ONE & TWO-FAMILY DWELLING CONSTRUCTION PERMITS, INCLUDING NEW DWELLINGS, ADDITIONS, ALTERATIONS, AND/OR ACCESSORY STRUCTURES, MUST BE COMPLETED WITHIN THREE YEARS OF PERMIT ISSUANCE. IF WORK WILL BE PERFORMED WITHIN 15 FEET OF OVERHEAD ELECTRICAL WIRES, PERMITEE MUST OBTAIN ASSISTANCE FROM THE VIRGINIA POWER OFFICE. CALL 703.934.9660. THIS PERMIT MUST BE POSTED ON THE WORK SITE AND VISIBLE FROM THE PUBLIC WAY UNTIL THE WORK RECEIVES AN APPROVED FINAL INSPECTION.

PLEASE CALL 703.838.4909 TO SCHEDULE OR CANCEL INSPECTIONS AND OBTAIN INSPECTION RESULTS 24 HOURS A DAY

Please fill out our Customer Service Survey at <http://alexandriava.gov/Code>

11/28/2012
2:20PM

CITY OF ALEXANDRIA

301 King Street
Alexandria, Virginia 22314
Phone: 703.746.4000

Payment Receipt

Receipt Number: 333141 **Check Number: VISA**

Energy
1400 N Royal St
Alexandria VA 22314

Case # Number	Account Number	Description	Date Paid	Amount Due	Amount Paid
DEM2012-00105	380584-7033	PERMIT-RES STRUCT, NONRES ACC	11/28/2012	$150.00	$150.00
	380584-7040	Admin - Res Stru	11/28/2012	$20.25	$20.25
	010009-2501-001993	InfoTech - Res Stru	11/28/2012	$12.50	$12.50
	380584-7041	PermCtr- Res Stru	11/28/2012	$8.75	$8.75
	010009-2501-001019	Training - Res Stru	11/28/2012	$0.63	$0.63
	010009-2501-001015	Va Tng - Res Stru	11/28/2012	$1.30	$1.30
			Total Paid:		**$193.43**

ARLINGTON
VIRGINIA

DEPARTMENT OF ENVIRONMENTAL SERVICES
Division of Transportation
Development Services 2100 Clarendon Blvd, Suite 800 Arlington, VA 22201
TEL 703 228.3629 FAX 703.228.3696 TTY 703.228.4611 www.arlingtonva.us

PUBLIC RIGHT-OF-WAY PERMIT

Permit Number:	PW120132	Review Fee:	$95.00
Application Date:	02/09/2012	Damage Prevention Fee:	$45.00
Issuance Date:	03/07/2012	Total Right-of-Way Permit Fee:	$140.00
Map Page/Grid:	0 , 0 - 0	Work Order #:	

PERMISSION IS HEREBY GRANTED TO:

Permittee Name: C F CRAWFORD INC
Permittee Address: 15 CHURCH AVE SW
ROANOKE
VA 24011
State Contractor License No: 2705076157
Arlington Business License No: 100085171002
Contact Name: DAN FISHER
Title:
Telephone No: 540-343-6256
Cell Phone: 540 343-6256
Facsimile No:
Owner of Real Property Served by Work: NOVA PETROLEUM REALTY LLC
Property Address: 6820-B COMMERCIAL DR
SPRINGFIELD VA
22151
Phone No:

Street Name & Adresss (Exact Location of Work): 5511 COLUMBIA PIKE . Between N GREENBRIER ST to .
Purpose of Work or Activity:
Construction: N Dedmolition: N Excavation: N Other: N Description:_____

Full Description of Permitted Work, Activity or Use of Public Property ("Work"):
CONNECT THE DISCHARGE LINE FROM THE GROUNDWATER REMEDIATION SYSTEM TO THE PRIVATE STORM SEWER INLET ON PRIVATE PROPERTY.

This Permit expires at midnight on 03/07/2013. Any permission to perform work within the public right-of-way after such date and time can only be obtained by issuance of another permit. The Work shall be performed only in the public right-of-way. This Permit does not grant Permittee permission to work on private property. This Permit is subject to the additional provisions on page two hereof, and to all representations and certifications in the Application.

==========

Required Coordination, Notifications and/or Scheduling of Inspections *after* permit issuance and *before* commencing ANY Excavation, Restoration, Demolition, Construction and/or Work: Failure to give proper notification, call for inspection, or not having this permit or a copy of the permit on site will void this permit;

72-hour Notification
- Call Miss Utility at 800-552-7001 (§ 56-265.14 et. seq. Code of Virginia, Underground Utility Damage Prevention Act).

72-hour Coordination for Street, Lane & Sidewalk Closings
- Call the Division of Transportation at 703-228-3629 (Press #7)

- 24-hour Scheduling for Inspections – 703 228-0760

Inspector: Joe Nichols **Telephone Number: (703)228-0760**

GenOn

FIELD COPY
This copy shall be available at the job site for inspection at all times.

RIGHT-OF-WAY WARNING
ANY EXCAVATION, CONSTRUCTION, STORAGE OF MATERIALS, OR ERECTION OF LADDERS/SCAFFOLDING IN THE RIGHT-OF-WAY (SIDEWALK, GRASS STRIP, OR PAVED STREET) REQUIRES A SEPARATE PERMIT FROM TRANSPORTATION & ENVIRONMENTAL SERVICES, ROOM 4130. A PERMIT IS ALSO REQUIRED IF IT IS NECESSARY TO DRIVE A VEHICLE ACROSS THE SIDEWALK AND/OR CURB & GUTTER

Potomac River Generating Station
1400 N. Royal Street
Alexandria, Virginia 22314

November 21, 2012

Department of Code Administration
301 King Street, Room 4200
Alexandria, VA 22314

RECEIVED
NOV 28 2012

BEFORE YOU DIG
CALL MISS UTILITY
1-800-552-7001

RE: **UST Closure Permit Applications**
Potomac River Generating Station
1400 North Royal Street, Alexandria, VA 22314

SUBJECT TO FIELD INSPECTION

To Whom It May Concern:

GenOn Energy Inc. (GenOn) in pleased to submit the attached UST Closure Permit Applications for the Potomac River Generating Station located at 1400 North Royal Street, Alexandria, VA. On October 1, 2012, the Potomac River Generating Station ceased operation. As a part of the deactivation, the three underground storage tanks (USTs) that were associated with historic plant operations will need to be permanently closed. The 4,000-gallon kerosene UST will be physically removed and the two 25,000-gallon heating oil USTs are proposed to be permanently abandoned in place. The two 25,000-gallon heating oil USTs are located beneath the facility's precipitators. If the USTs are removed from the subsurface, the structural integrity of the precipitators will be jeopardized. The USTs are therefore proposed to be permanently abandoned in place in accordance with City of Alexandria requirements.

CODE ADMINISTRATION
ALEXANDRIA, VA
DEC - 3 2012
APPROVED BY COMPLY WITH APPLICABLE CODES AND REGULATIONS FOR BUILDING OFFICIAL

The following items are attached:

- Demolition Application
- Application for Fire Prevention Permit
- UST In Place Closure Sampling Plan
- UPSS Test Report, November 16, 2012
- UPSS Test Report, March 13, 2008
- Daily/Monthly Heating Oil Records (September 2010 – September 2012)

ELECTRIC WARNING
IF WORK PRFORMED WITHIN 15 FEET OF ANY OVERHEAD WIRES, PERMITTEE MUST FIRST OBTAIN ASSISTANCE FROM THE DOMINION VIRGINIA POWER COMPANY OFFICE. TELEPHONE NUMBER 888-667-3000.

The first two items attached are the completed Demolition Application and Application for Fire Prevention Permit for your review and approval.

Because the two 25,000 gallon heating oil USTs will be abandoned in place and not physically removed from the subsurface, a series of soil and groundwater samples are proposed to be collected from around the perimeter of the UST tank field. The attached UST In Place Closure Sampling Plan describes the sampling methodology, number of samples to be collected, and proposed analytical methods.

In accordance with Policy # CODE2009-001, the two 25,000-gallon heating oil USTs were tested for tightness on November 16, 2012 (see attached report). The results of the test were inconclusive due to

EROSION & SEDIMENT CONTROL
EROSION & SEDIMENT CONTROL MEASURES MUST BE INSTALLED AND APPROVED PRIOR TO ANY EARTH DISTURBANCE.

ullage leaks that were discovered with the associated above ground piping. As discussed and documented in the attached report, the leaks that were discovered during the test were all associated with the piping and other components of the UST system which could not be isolated from the USTs for the tank tightness test to occur. The noted piping and components that could not be isolated from the USTs are shown in photographs at the back of the report.

Since the USTs are proposed to be permanently closed and the November 16, 2012 test was inconclusive, GenOn is requesting that the City of Alexandria accept the previously completed UST tightness test which was completed on December 14, 2007 and January 29, 2008 (see attached UPSS Test Report dated March 13, 2008). The conclusion of the report was that both heating oil USTs were tight. Since the last test, the inventory of the USTs has been monitored on a monthly basis and the monthly monitoring reports from September 2010 through September 2012 are also included as an attachment. These reports show no evidence of product leakage.

In summary, the current UST tank tightness test was inconclusive; however the USTs passed the previous UST tightness test and since then have been under strict inventory control. As a part of the permanent in place abandonment, the interior of each UST will be cleaned and power washed prior to the USTs being filled with an inert material. Furthermore the subsurface surrounding the USTs will be investigated for evidence of a release and, if detected, a release will be reported to the Commonwealth of Virginia Department of Environmental Quality (VDEQ) to assure appropriate corrective measures are taken. In consideration of these factors, GenOn respectfully requests approval of the submitted permit applications.

If you have any questions on the either of the applications or the attachments, please don't hesitate to contact me at 713.822.7398 or Oscar.Rodriguez@genon.com.

Sincerely,
GenOn Energy Inc.

Oscar Rodriguez
Project Manager

Attachments

UPSS Test Report
November 20, 2012

GenOnPotomac
1400 North Royal Street
Alexandria, VA 22314

Test Date: November 16, 2012
Reason for Test: Due Diligence

Service Distributor:
Holbrook Environmental, Inc.
www.holbrookenvironmental.com
Toll Free 1-866-488-2657

LEIGHTON O'BRIEN

Leighton O'Brien Inc
Website: www.leightonobrien.com

Executive Summary

Dispatched to site in order to perform precision tank tightness testing on (2) 25,000 gallon underground storage tanks. Tanks are currently out of service. The South Tank is empty (less than 1" of liquid) and the North Tank has 18" of liquid in it.

During the testing process, numerous ullage leaks were discovered downstream of the underground storage tanks. These leaks existed on tank top related piping and components which were not able to be isolated from the tank bodies.

Due to discovery of these downstream issues which were an obvious cause of ullage leaks during the test process - the tank test results were considered inconclusive.

Recommendations

If an accurate assessment of the integrity of the underground storage tanks is required - it is recommended that all tank top components be isolated at the tank top and tanks can then be tested with none of the tank top components attached.

Aim

To investigate the integrity of the UPSSs as a due diligence exercise.

Method

The tanks and all their associated tank top components (i.e. vent, fill, ATG) were subjected to the MassTech tank test.

Summary of Tank Results as Tested

Test Round 1			
Tank	Test	Result	Rate
Heating Oil Tank 1 North (25640 Gal.) at 2312 gal or 8.8 % fill (& 0 in. H2O) Nov 16 2012 Cert. No. 177113	Wet Static Test Wet Pressure Test Ullage Test	PASS INC INC	
Heating Oil Tank 1 South (25640 Gal.) at 31 gal or 0.1 % fill (& 0 in. H2O) Nov 16 2012 Cert. No. 177114	Wet Static Test Wet Pressure Test Ullage Test	not tested not tested INC	

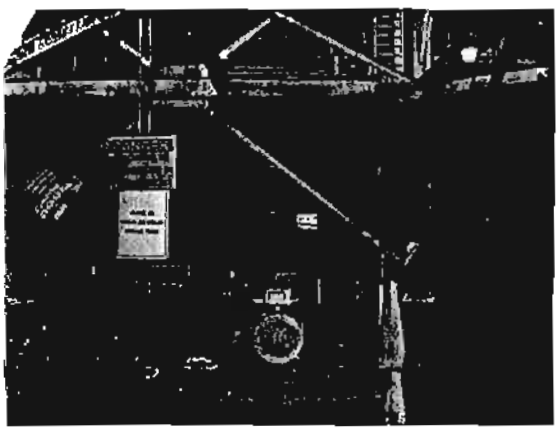
Nomenclature for tables above

- A 6.5 times ullage fail is the nitrogen decay equivalent to a liquid leak under 1.45 PSI at the USEPA threshold of 0.1 gal/hr
- 0.1 gal/hr is the PASS/FAIL criteria for a USEPA precision test.
- MassTech technology used: Masstech 2 wet test (mass based) and Masstech 002 ullage test (pressure). For further details go to www.nwglde.org/vendor_indexG_M.html
- (i) indicates a liquid ingress was detected during the test at the noted rate
- (e) indicates a liquid egress was detected during the test at the noted rate

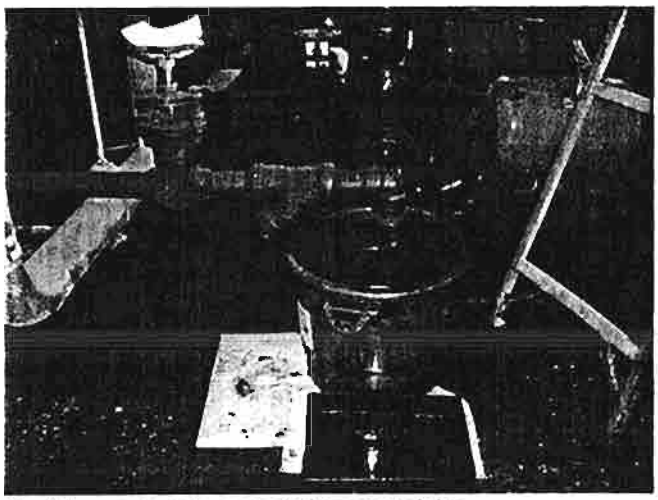
Comments/Discussions

During the testing process, numerous ullage leaks were discovered downstream of the underground storage tanks. These leaks existed on tank top related piping and components which were not able to be isolated from the tank bodies.

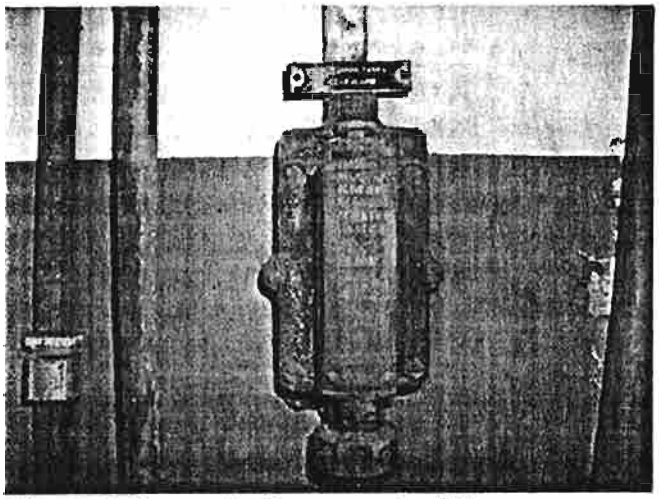
Supporting Photos



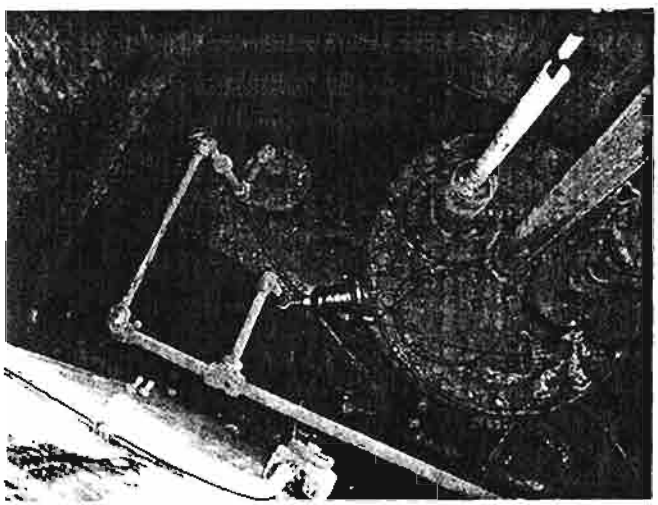
Tank Top Area



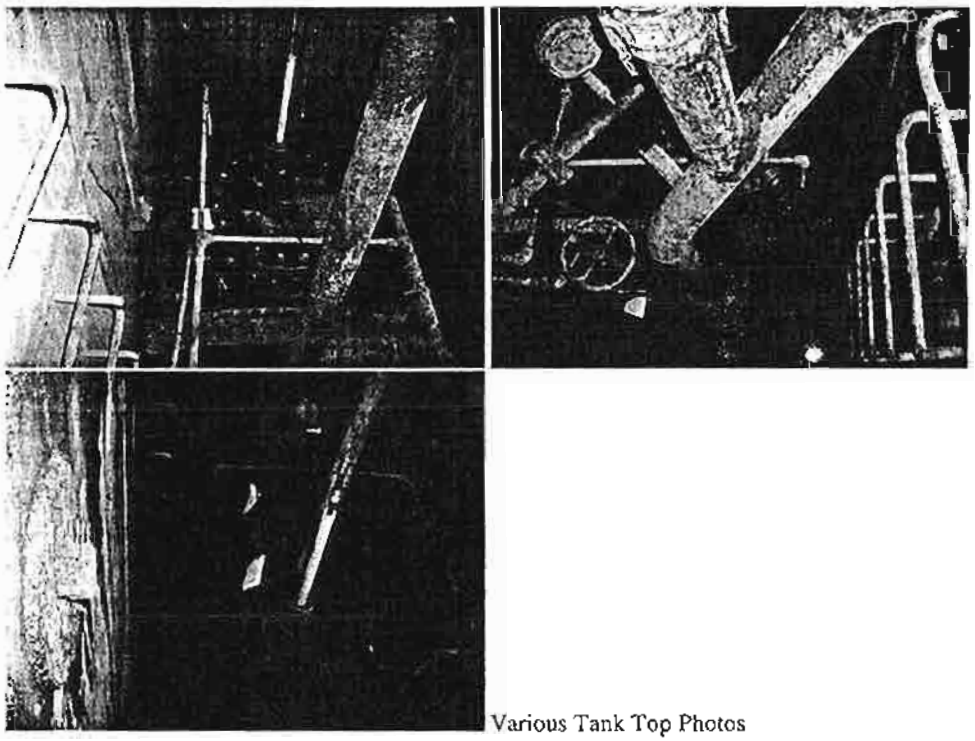
Liquid movement in connected product piping



Ullage leak discovered at fires suppression fitting



Ullage leak discovered at bell connection on tank top



Various Tank Top Photos

Recommendations

If an accurate assessment of the integrity of the underground storage tanks is required - it is recommended that all tank top components be isolated at the tank top and tanks then be tested with none of the tank top components attached.

Addendum

Date of Test:	November 16, 2012
Licensed MassTech Tester:	Dave DeBoard, Steve Holbrook
Report Prepared by:	Jeff Stevenson, Steve Holbrook
Report ID:	Alexandria VA HE1609 Diagnostic Report to 16-Nov-12.doc

Glossary of Acronyms used

ATG	Automatic Tank Gauge
UPSS	Underground Petroleum Storage System
USEPA	United States Environmental Protection Agency
VADEQ	Virginia Department of Environmental Quality

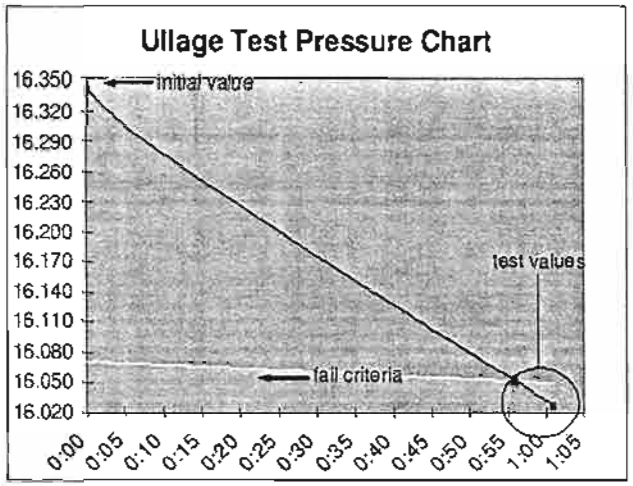
The underground pipe and tank configurations contained in this report are deduced from information gathered at the site by Leighton O'Brien and by information given to Leighton O'Brien by the client.

MassTech Tank Test Report

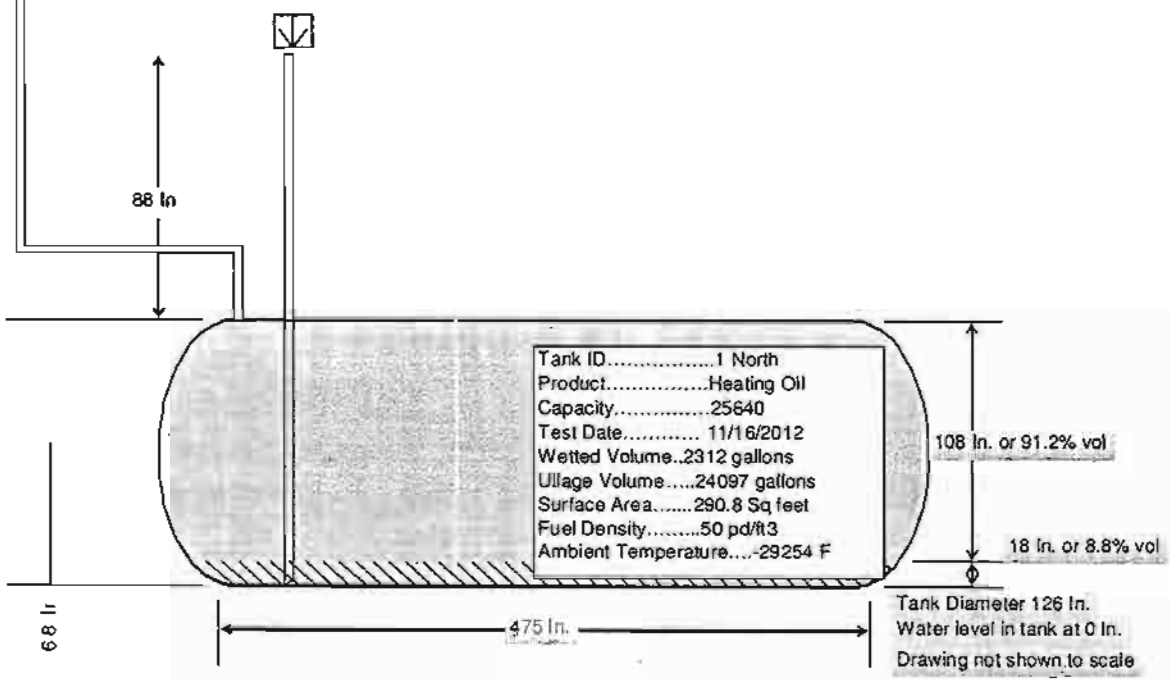
Wet (static)	PASS
Wet (pressure)	INC
Dry	INC

Facility Details
GenOnPotomac
1400 North Royal Street
Alexandria, VA 22314

Heating Oil Tank 1 North



Mass Test	Time	Units
Mass 1	11:51:49 AM	3.24707
Mass 2	11:54:56 AM	3.24707
Mass 3	12:42:31 PM	3.24695
Mass 4	12:47:58 PM	3.24695
Ullage Test	Time	psi
Initial Value	13:37:49	16.3411
Test 1 Value	14:33:39	16.0520
Test 2 Value	14:38:39	16.0288
	dP/dT(psi/5min)	-0.0232
	Pass limit (psi/5min)	-0.0017



LEGEND

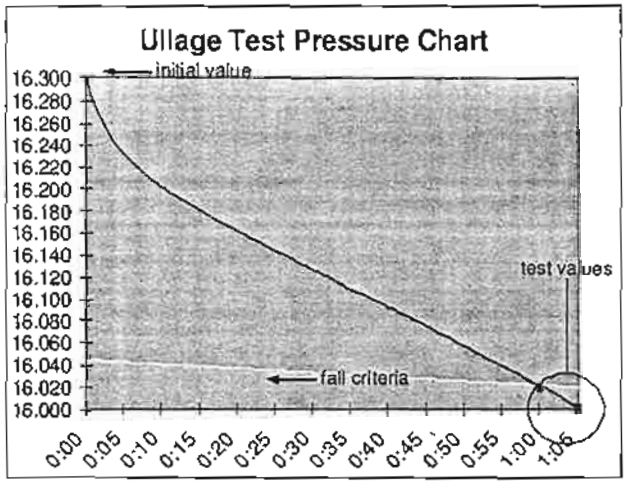
- Pressurised Product Level
- Point Sealed for Ullage Test
- Nitrogen Injection Point

MassTech Tank Test Report

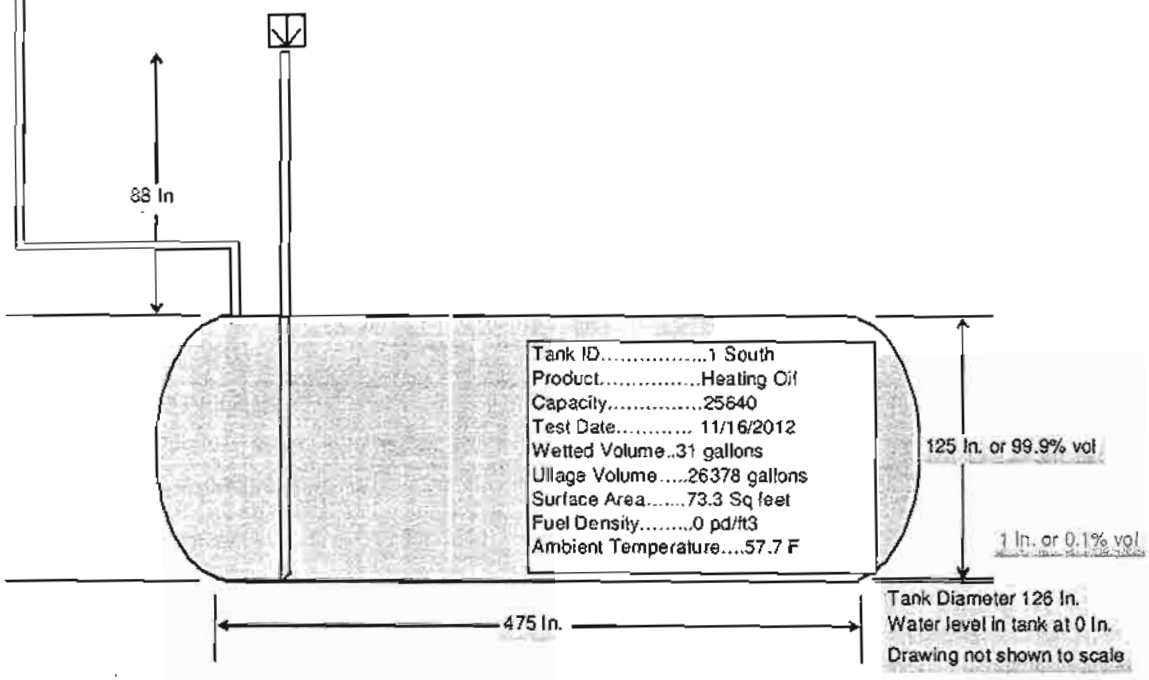
Wet (static)
Wet (pressure)
Dry INC

Facility Details
GenOnPotomac
1400 North Royal Street
Alexandria, VA 22314

Heating Oil Tank 1 South



Mass Test	Time	Units
No Mass Readings		
Ullage Test	Time	psi
Initial Value	13:31:28	16.2996
Test 1 Value	14:31:38	16.0214
Test 2 Value	14:36:38	16.0007
	dP/dT (psi/5min)	-0.0207
	Pass limit (psi/5min)	-0.0019



LEGEND

- Pressurised Product Level
- Point Sealed for Ullage Test
- Nitrogen Injection Point

UST IN-PLACE CLOSURE SAMPLING WORK PLAN

POTOMAC RIVER
GENERATING STATION
1400 NORTH ROYAL STREET
ALEXANDRIA, VA

RECEIVED
NOV 28 2012

Prepared for

GenOn Energy, Inc.
1400 North Royal Street
Alexandria, VA 22314

November 2012

URS

URS Corporation
12420 Milestone Center Drive, Suite 150
Germantown, MD 20876
15303297

UST In-Place Closure Sampling Work Plan

On behalf of GenOn Energy, Inc. (GenOn), URS Corporation (URS) is pleased to submit this Work Plan for the analytical testing associated with the permanent in-place closure of two 25,000-gallon heating oil underground storage tanks (USTs). The two 25,000-gallon USTs cannot be physically removed from the subsurface due to presence of the facility precipitators, which are located directly over the two 25,000-gallon USTs. Removal of the two 25,000-gallon USTs would undermine the structural integrity of the facility, and therefore the USTs are proposed to be abandoned in place. The purpose of this Work Plan is to outline the collection of soil and groundwater samples associated with the in-place closure of the two 25,000-gallon USTs.

Work Plan Overview

A total of eight soil borings and temporary wells will be installed in the vicinity of the two USTs. These borings will be drilled so that they surround the UST field on all four sides. Prior to advancing the soil boring, each location will be cleared to 5 feet below ground surface (bgs), using an air knife to verify that underground utilities are absent from the work area. Following the air-knifing, a direct-push drill rig will be used to advance the soil borings, and soil samples will be continuously collected until the terminal depth of the soil boring is reached. When the water table has been reached, drilling will continue, and a 1-inch-diameter temporary monitoring well will be installed in each of the boreholes. A groundwater sample will be collected from each of these wells, after which the wells will be abandoned and the surface will be restored to match existing conditions.

Soil Samples

Soil collected during the drilling activities will be logged under the supervision of a URS geologist or engineer using the American Society of Testing Materials (ASTM) Method D1586-84. Soil samples will be logged continuously until a proposed depth of 35 feet bgs. URS staff will describe each soil sample and screen it with a calibrated photoionization detector (PID). Two samples will be collected from each boring: the sample with the highest PID reading and the sample from the capillary fringe zone. Each sample will be submitted to a Commonwealth of Virginia Environmental Laboratory Accreditation Program (VELAP)-approved laboratory for analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl-tert-butyl-ether (MTBE) by Method 8260B, and total petroleum hydrocarbons (TPH), gasoline range organics (GRO), and TPH diesel range organics (DRO) by Method 8015B.

Groundwater Samples

A groundwater sample will be collected from each of the temporary wells installed within each soil boring. Each of these wells will be constructed from 1-inch-diameter PVC pipe, with a 10-foot-long, 0.01-inch slotted screen located at such a depth that it intersects the water table. Following the installation of the wells, the wells will be developed until their purge water clears

to an appropriate turbidity. The tops of the well casings will also be surveyed to determine their vertical elevation.

Prior to sampling, URS staff will measure the depth to the water table surface from the top of the well casing and the depth to the bottom of the well, and take a PID reading from the top of the well casing. The groundwater samples will be collected following standard three well-volume purging using a low-flow pump or a mini-bailer. Groundwater will be purged and collected from the wells using polyethylene tubing dedicated to each well. Purged groundwater will be treated using a portable carbon unit and discharged to a grassy area on site. One groundwater sample from each of the eight monitoring wells will be submitted to the VELAP-approved laboratory for analysis of BTEX and MTBE by Method 8260B, and TPH-GRO and TPH-DRO by Method 8015B. A trip blank sample will also be acquired for the sampling event and analyzed for the same parameters.

Laboratory analyses conducted on both the soil and groundwater samples will be conducted on a standard (14-day) turnaround time.

Report of Results

The results of the samples collected as a part of this Work Plan will be included in the UST Closure Report, which will be submitted to both the VDEQ and City of Alexandria within 30 days of the in-place abandonment of the USTs.

LEIGHTON O'BRIEN INC
Tank Integrity Solutions

Leighton O'Brien Inc
PO Box 3316
Annapolis MD 21403
Telephone: (410) 295 0100
Toll Free: 1 (888) 275 3781
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E-mail: jstevenson@leightonobrien.com
Website: www.leightonobrien.com

UPSS Test Report

March 13, 2008

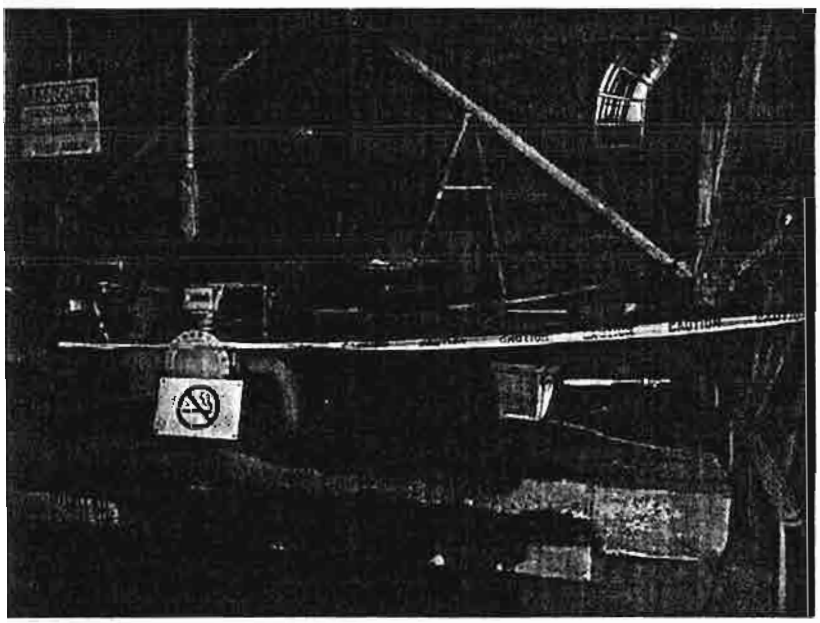
Mirant Potomac River Generating Station
1400 Royal Street
Alexandria, VA 22314

Test Dates: December 14, 2007 & January 29, 2008
Reason for Test: Due Diligence
Customer Contact: LA Fritter, Ann Farrell

Executive Summary

Kerosene Tank 1 & both Fuel Oil tanks as well as their associated lines passed the test.

It is recommended that the tanks be tested in 5 years.



Aim

To investigate the integrity of the UPSSs as a due diligence exercise.

Method

The tanks and all their associated lines (i.e. suction & return lines, vent, fill, ATG) were subjected to the MassTech tank test.

Summary of Tank Results as Tested

Test Round 1			
Tank	**Test**	**Result**	**Rate**
Kerosene Tank 1 (4000 Gal.) at 2562 gal or 62.2 % fill (& 0 in. H2O) Dec 14 2007 Cert. No. 98360	Wet Static Test Wet Pressure Test Ullage Test	PASS pass (i) pass	 0.08 gal/hr
Fuel Oil Tank North (25000 Gal.) at 21693 gal or 84.2 % fill (& 0 in. H2O) Jan 29 2008 Cert. No. 99008	Wet Static Test Wet Pressure Test Ullage Test	pass (i) pass (i) pass	0.01 gal/hr 0.08 gal/hr
Fuel Oil Tank South (25000 Gal.) at 21693 gal or 84.2 % fill (& 0 in. H2O) Jan 29 2008 Cert. No. 99007	Wet Static Test Wet Pressure Test Ullage Test	 *pass (e) pass	 0.09 gal/hr

Nomenclature for tables above

- A 6.5 times ullage fail is the nitrogen decay equivalent to a liquid leak under 1.45 PSI at the USEPA threshold of 0.1 gal/hr
- 0.1 gal/hr is the PASS/FAIL criteria for a USEPA precision test.
- MassTech technology used: Masstech 2 wet test (mass based) and Masstech 002 ullage test (pressure). For further details go to www.nwglde.org/vendor_indexG_M.html
- (i) indicates a liquid ingress was detected during the test at the noted rate
- (e) indicates a liquid egress was detected during the test at the noted rate
- INC indicates an inconclusive result was obtained
- * indicates an overall wet result has been declared

Other Relevant Observations

- All visible parts of the systems, sealed by the technician, were shown to be tight using soapy water.
- Groundwater was estimated to be equivalent to the adjacent river, many feet below the tank bottom.

Comments/Discussions

Kerosene Tank 1 & both Fuel Oil tanks as well as their associated lines passed the test.

Minor liquid ingress was detected during the Kerosene Tank 1 wet pressure test however this is most likely attributed to the tank check valve lifting, allowing liquid to drain into the tank from the attached suction line.

The liquid movement detected during the wet tests for the Fuel Oil tanks is attributed to liquid movement from 1 tank to the other and is therefore not deemed to be significant in relation to the integrity of the tank shells.

The minor pressure decay detected during the ullage tests for the 3 tanks is within the USEPA threshold.

Recommendations

It is recommended that the tanks be tested in 5 years.

Addendum

Date of Test:	December 14, 2007 & January 29, 2008
Licensed MassTech Tester:	Jose Rosado, Pat Donlin, Todd Williamson, Jeff Stevenson
Report Prepared by:	Jeff Stevenson
Report ID:	Alexandria 22314 VA LA563 Test Report to 29-Jan-08.doc

Glossary of Acronyms used

HC	Hydrocarbons
PSH	Phase Separated Hydrocarbons
UPSSs	Underground Petroleum Storage Systems
USEPA	United States of America Environmental Protection Agency

The underground pipe and tank configurations contained in this report are deduced from information gathered at the site by Leighton O'Brien and by information given to Leighton O'Brien by the client.

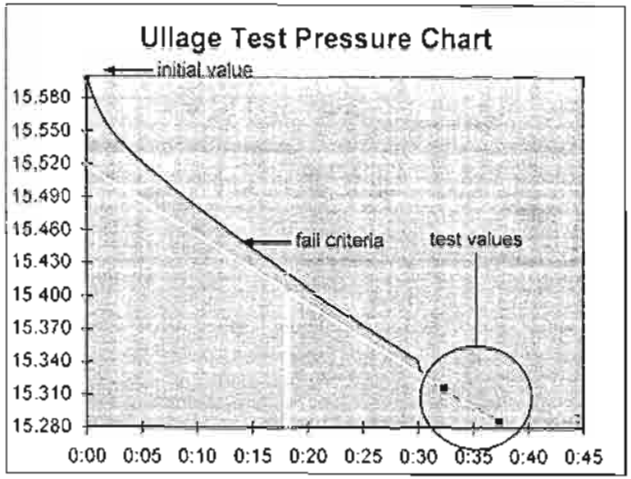
The MassTech test is owned and operated by MassTech International Limited and is independently certified as meeting the USEPA standard evaluation for tank tightness testing methods.

MassTech Tank Test Report

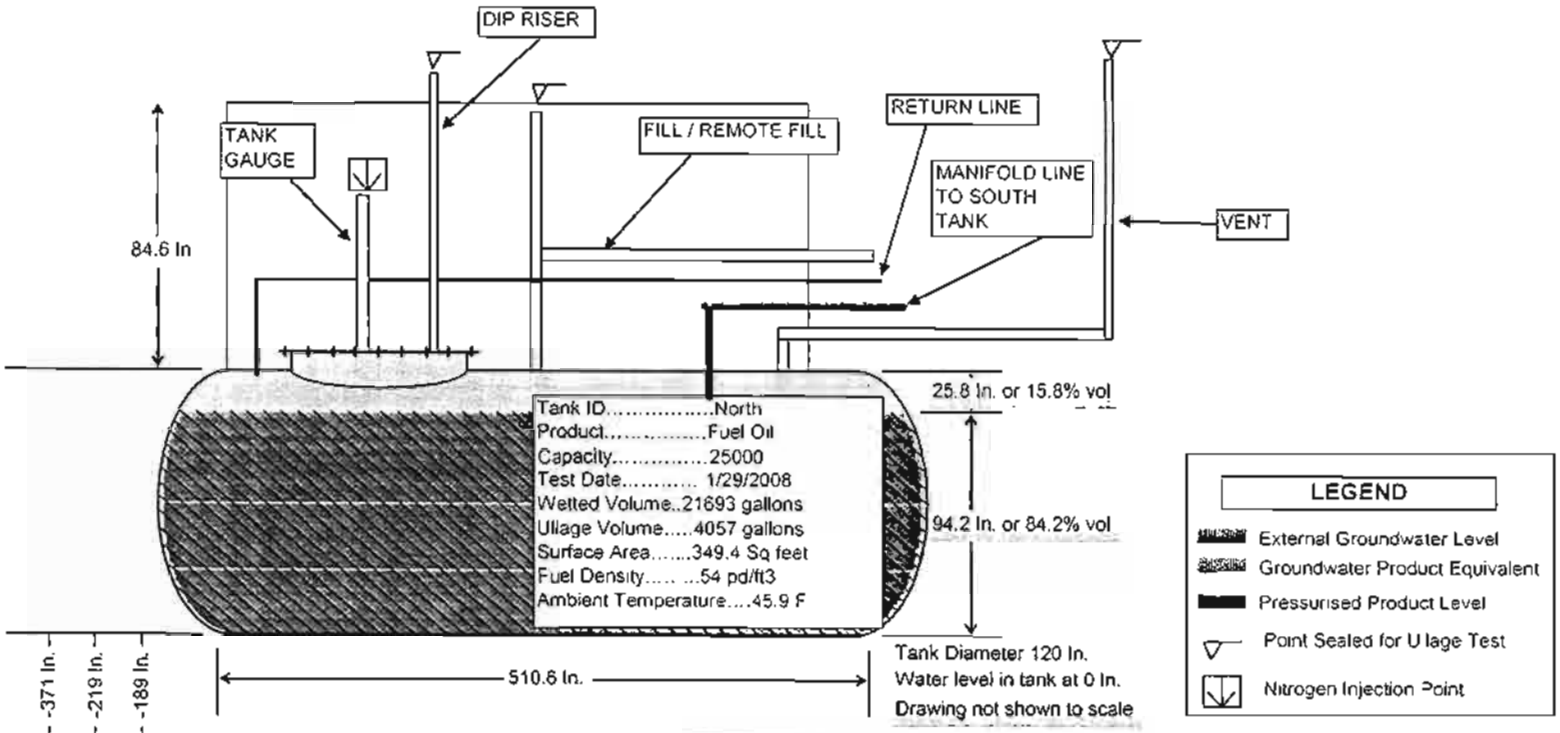
Wet (static)	pass (i)
Wet (pressure)	pass (i)
Dry	pass

Facility Details
Mirant Potomac River Generating Station
1400 Royal Street
Alexandria, VA 22314

Fuel Oil Tank North



Mass Test	Time	Units
Mass 1	10:27:06 AM	19.72767
Mass 2	10:29:55 AM	19.72769
Mass 3	10:32:03 AM	19.72772
Mass 4	12:04:35 PM	19.72934
Mass 5	12:06:57 PM	19.72937
Mass 6	12:09:11 PM	19.72939
Mass 7	1:58:35 PM	19.81215
Mass 8	2:01:24 PM	19.81218
Ullage Test	Time	psi
Initial Value	12:57:51	15.5985
Test 1 Value	13:30:11	15.3166
Test 2 Value	13:35:11	15.2858
	dP/dT (psi/5min)	-0.0307
	Pass limit (psi/5min)	-0.0314

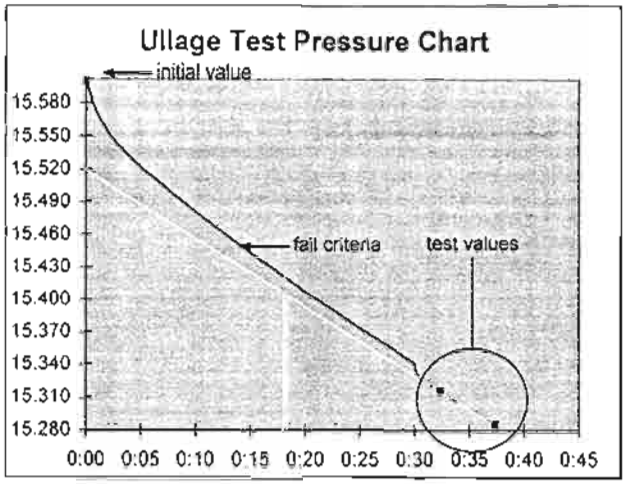


MassTech Tank Test Report

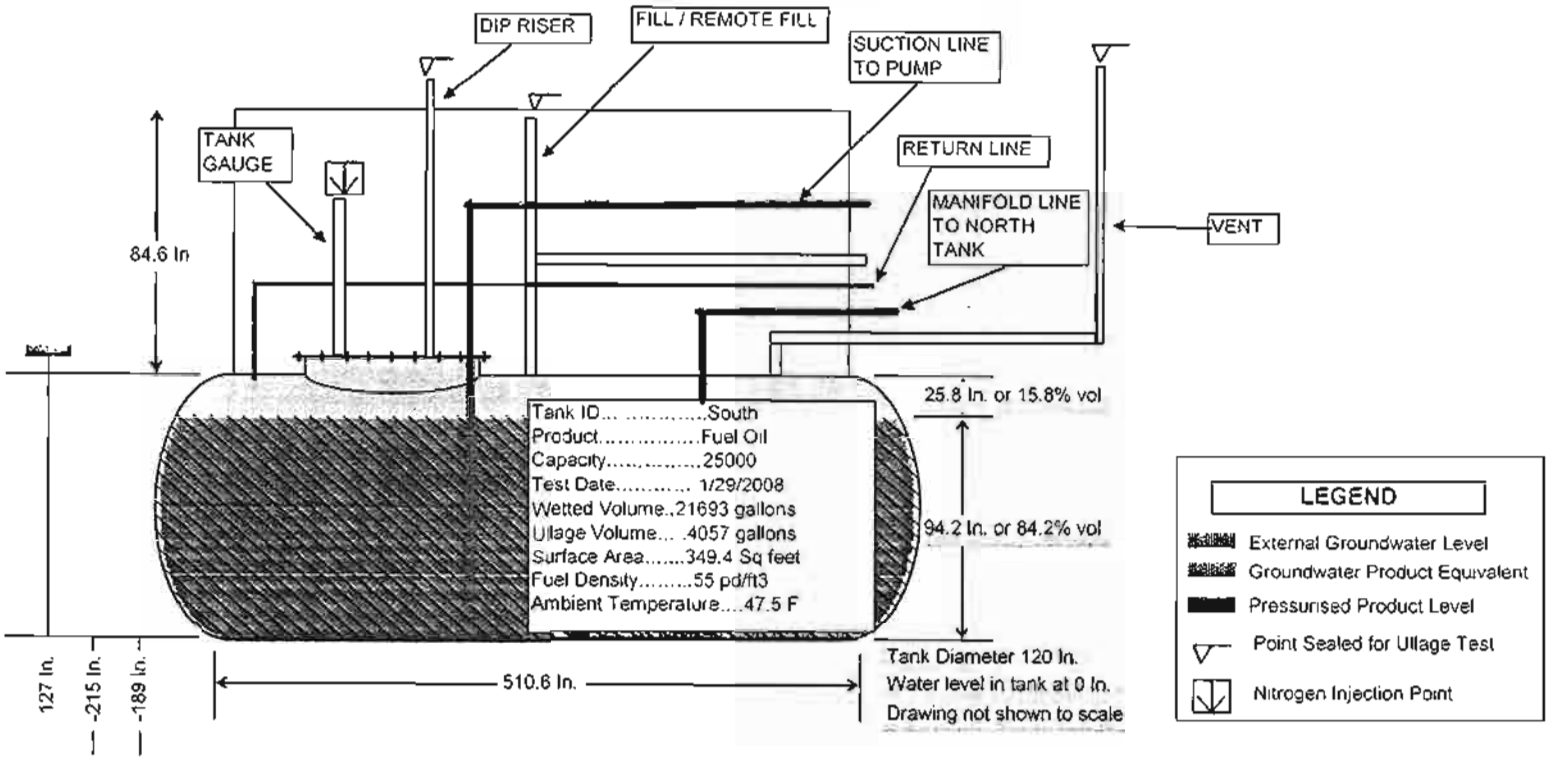
Wet (static)
Wet (pressure) *pass (e)
Dry pass

Facility Details
Mirant Potomac River Generating Station
1400 Royal Street
Alexandria, VA 22314

Fuel Oil Tank South



Mass Test	Time	Units
Mass 1	10:37:57 AM	20.61741
Mass 2	10:40:34 AM	20.61743
Mass 3	12:11:49 PM	20.52563
Mass 4	12:14:10 PM	20.52566
Mass 5	1:54:12 PM	20.61582
Mass 6	1:54:12 PM	20.61584
Ullage Test	Time	psi
Initial Value	12:57:51	15.5985
Test 1 Value	13:30:11	15.3166
Test 2 Value	13:35:11	15.2858
	dP/dT(psi/5min)	-0.0307
	Pass limit (psi/5min)	-0.0314

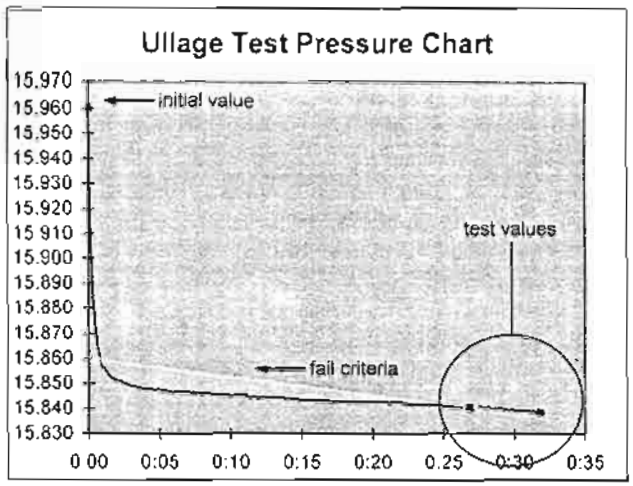


MassTech Tank Test Report

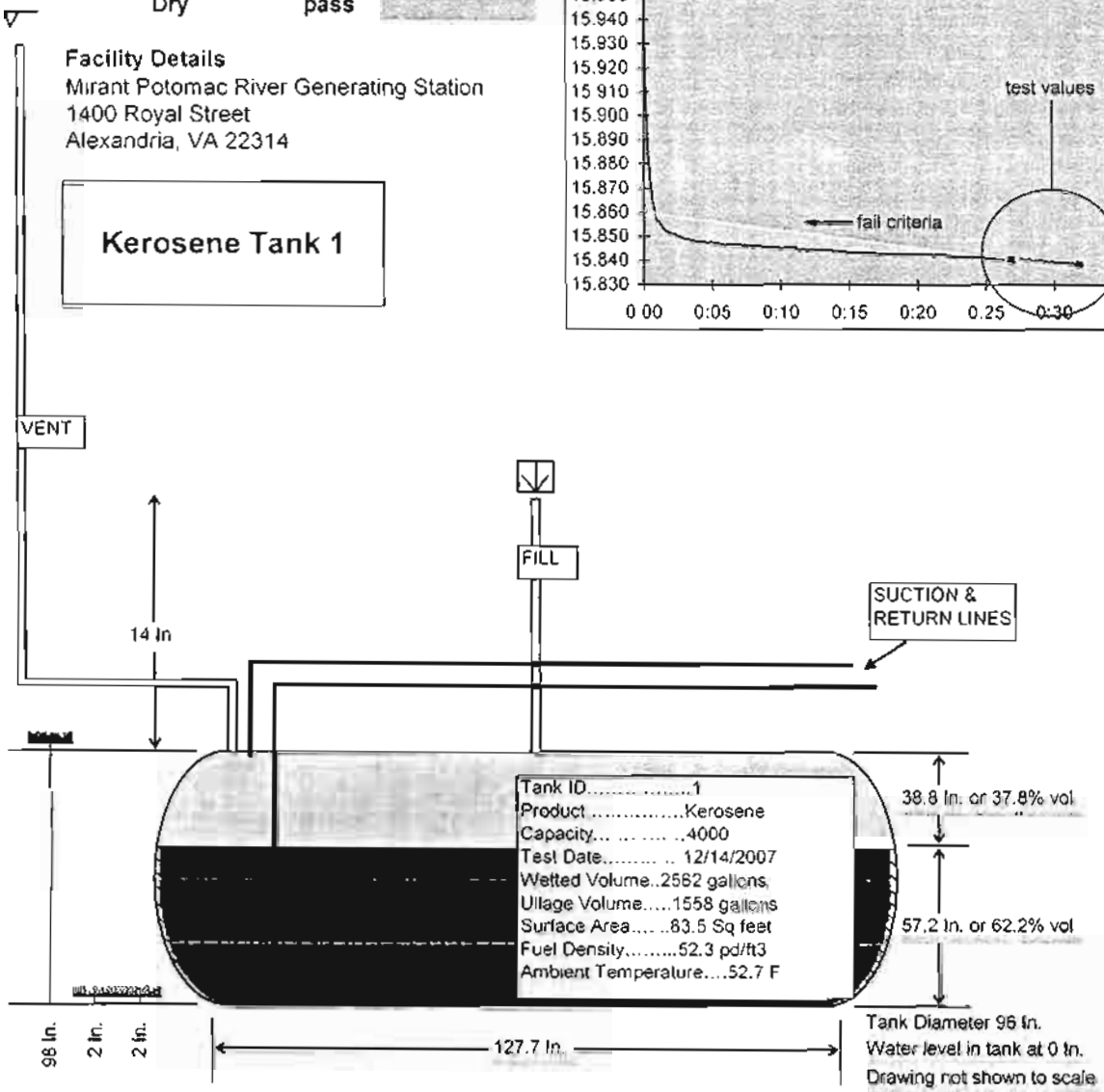
Wet (static)	PASS
Wet (pressure)	pass (I)
Dry	pass

Facility Details
Mirant Potomac River Generating Station
1400 Royal Street
Alexandria, VA 22314

Kerosene Tank 1



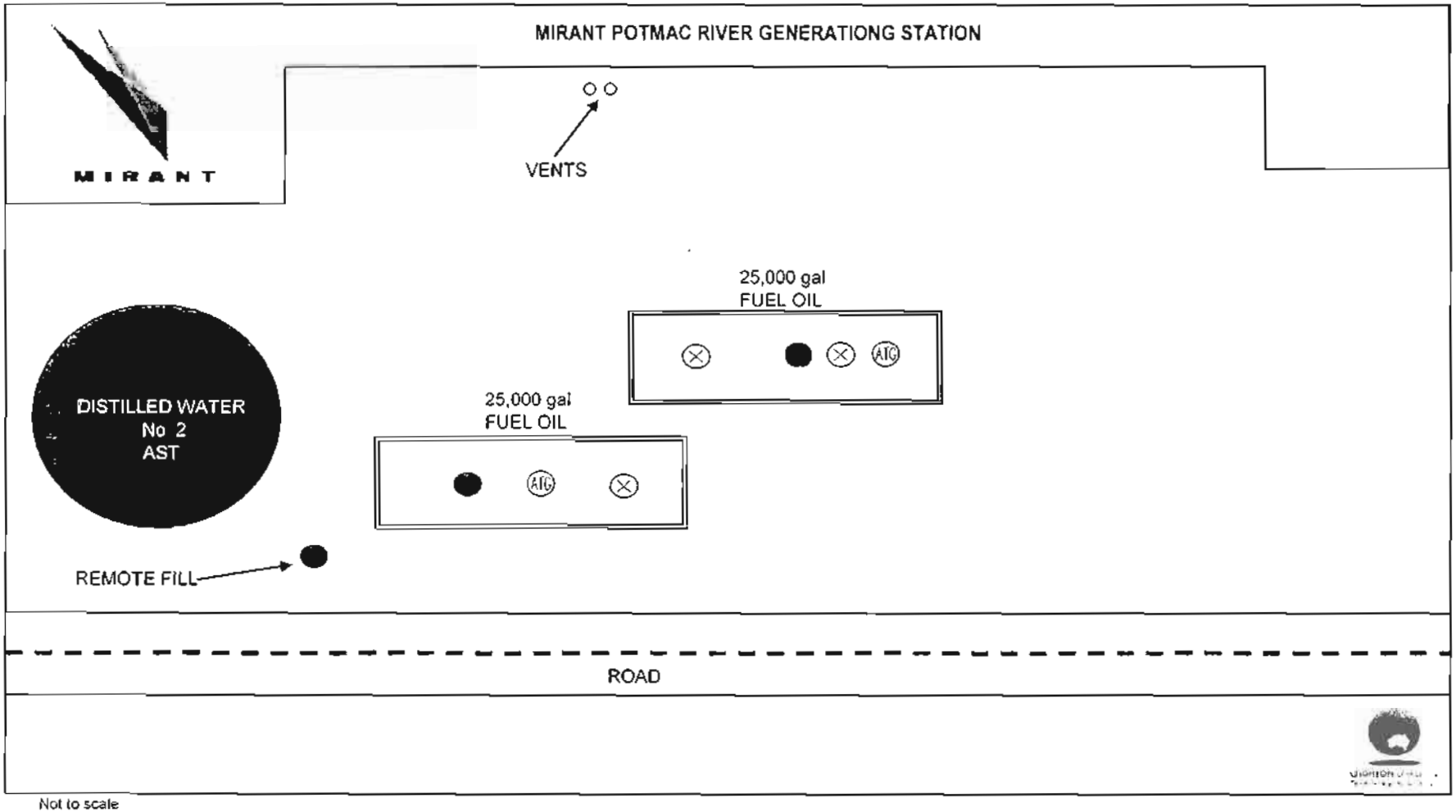
Mass Test	Time	Units
Mass 1	10:16 18 AM	11.58356
Mass 2	10:18:53 AM	11.58358
Mass 3	10:56 18 AM	11.58326
Mass 4	10 58 49 AM	11.58327
Mass 5	12:29 10 PM	11.58396
Mass 6	12 31 40 PM	11.58398
Ullage Test	Time	psi
Initial Value	11:51.38	15.9605
Test 1 Value	12:18.28	15.8407
Test 2 Value	12 23 28	15.8388
	dP/dT(psi/5min)	-0.0019
	Pass limit (psi/5min)	-0 0037



LEGEND

- External Groundwater Level
- Groundwater Product Equivalent
- Pressurised Product Level
- Point Sealed for Ullage Test
- Nitrogen Injection Point

Site Diagram



Not to scale

RECEIVED
NOV 2 8 2010

DAILY/MONTHLY OIL REPORTING -September 2010

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C NorthTank	South Tank	North & South Total Gallons
1	0.00	0.00	986.14	986.14	0.00	1600.23	0.00	3572.51	23509.01	24038.30	47547.31
2	0.00	0.00	2791.00	2791.00	0.00	0.00	0.00	5582.00	20692.39	21272.92	41965.31
3	0.00	0.00	1216.00	1217.00	3000.00	0.00	0.00	5433.00	17874.19	18658.03	36532.21
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17764.39	18835.85	36600.24
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17772.43	18841.43	36613.86
6	0.00	0.00	4.50	4.50	4.50	4.50	4.51	22.51	17766.15	18825.19	36591.34
7	0.00	0.00	4.14	4.14	4.14	4.14	4.16	20.72	17759.61	18811.01	36570.62
8	0.00	0.00	3.09	2.80	2.80	2.80	2.80	14.29	17757.30	17757.30	35514.61
9	0.00	0.00	2.97	2.96	2.96	2.96	2.96	14.81	17752.91	18788.61	36541.53
10	0.00	0.00	3.32	3.31	3.31	3.31	3.31	16.56	17743.42	18781.55	36524.96
11	0.00	0.00	3.09	3.06	3.06	3.06	3.06	15.33	17734.64	18774.99	36509.63
12	0.00	0.00	2.65	2.65	2.65	2.65	2.65	13.25	17728.00	18768.38	36496.38
13	0.00	0.00	2.52	2.52	2.52	2.52	2.52	12.60	17721.28	18762.59	36483.87
14	0.00	0.00	1.92	1.91	1.91	1.91	1.91	9.56	17715.88	18758.42	36474.30
15	0.00	0.00	2.37	2.34	2.34	2.34	2.34	11.73	17708.97	18753.60	36462.58
16	0.00	0.00	2.46	2.45	2.45	2.45	2.45	12.26	17702.84	18747.47	36450.31
17	0.00	0.00	2.38	2.35	2.35	2.35	2.35	11.78	17698.10	18740.43	36438.54
18	0.00	0.00	2.52	2.52	2.52	2.52	2.52	12.60	17695.23	18730.70	36425.94
19	0.00	0.00	0.00	0.00	1149.83	1149.83	0.00	2299.66	16862.86	17263.42	34126.28
20	0.00	7460.00	0.00	0.00	6382.52	6382.52	0.00	12765.04	14242.43	14578.81	28821.24
21	0.00	7750.00	0.00	0.00	0.00	0.00	5389.69	5389.69	15418.54	15763.00	31181.54
22	0.00	7473.00	5237.81	5237.80	0.00	0.00	0.00	10475.61	13815.57	14363.36	28178.93
23	0.00	7466.00	1770.85	1770.85	0.00	0.00	0.00	3541.70	15865.25	16237.98	32103.24
24	0.00	7460.00	1782.38	1782.37	0.00	0.00	0.00	3564.75	17704.75	18293.74	35998.49
25	0.00	7451.00	0.00	0.00	0.00	0.00	0.00	0.00	21683.88	21896.82	43580.70
26	0.00	0.00	0.00	0.00	0.00	0.00	482.13	482.13	21419.43	21679.14	43098.57
27	0.00	0.00	0.00	3879.57	0.00	0.00	3879.57	7759.14	17545.89	17793.54	35339.43
28	0.00	0.00	0.00	1712.00	0.00	0.00	0.00	1712.00	16678.50	16948.93	33627.43
29	0.00	0.00	1499.56	0.00	0.00	0.00	0.00	1499.56	15923.54	16204.32	32127.86
30	0.00	0.00	0.00	27.40	0.00	0.00	0.00	27.40	15692.17	16408.30	32100.47
31	0.00							0.00			0.00
		45060	15322	19442	10570	9170	9789	64,292.19			
Allocation Ratio			0.24	0.30	0.16	0.14	0.15	-212.85			
ADJUSTMENT AMT PER UNIT			-50.72	-64.36	-34.99	-30.36	-32.41	-212.85			
ADJUSTED UNIT BURN			15271	19377	10535	9140	9757	64079.34			
TOTAL BURN	Daily/Monthly Fuel Reporting							64,079.34			
	Monthly Operating Report										
TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION C								-64079.34			

DAILY/MONTHLY OIL REPORTING -October 2010

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C NorthTank	South Tank	North & South Total Gallons
1	0.00	7472.00	0.00	0.00	0.00	0.00	0.00	0.00	17809.58	22059.99	39869.56
2	0.00	0.00	0.00	16.35	0.00	0.00	0.00	16.35	17804.10	22049.11	39853.21
3	0.00	0.00	0.00	7.00	0.00	0.00	0.00	7.00	17806.80	22039.42	39846.22
4	0.00	0.00	0.00	16.08	0.00	0.00	0.00	16.08	17804.70	22025.45	39830.14
5	0.00	0.00	0.00	14.54	0.00	0.00	0.00	14.54	17799.96	22015.64	39815.60
6	0.00	0.00	0.00	15.65	0.00	0.00	0.00	15.65	17790.22	22009.73	39799.95
7	0.00	0.00	0.00	13.71	0.00	0.00	0.00	13.71	17780.98	22005.26	39786.24
8	0.00	0.00	0.00	0.00	15.59	0.00	0.00	15.59	17773.10	21997.55	39770.65
9	0.00	0.00	0.00	0.00	10.78	0.00	0.00	10.78	17766.14	21993.73	39759.87
10	0.00	0.00	0.00	0.00	11.36	0.00	0.00	11.36	17759.33	21989.18	39748.51
11	0.00	0.00	0.00	0.00	29.46	0.00	0.00	29.46	17749.99	21969.06	39719.05
12	0.00	0.00	0.00	0.00	6.51	0.00	0.00	6.51	17746.59	21965.95	39712.54
13	0.00	0.00	0.00	0.00	3.42	0.00	0.00	3.42	17743.26	21965.86	39709.12
14	0.00	0.00	0.00	0.00	9.80	0.00	0.00	9.80	17738.63	21960.69	39699.32
15	0.00	0.00	0.00	0.00	8.59	0.00	0.00	8.59	17734.74	21955.99	39690.73
16	0.00	0.00	0.00	0.00	7.44	0.00	0.00	7.44	17731.78	21951.51	39683.29
17	0.00	0.00	0.00	0.00	9.94	0.00	0.00	9.94	17727.23	21946.12	39673.36
18	0.00	0.00	0.00	0.00	5.68	0.00	0.00	5.68	17724.55	21943.13	39667.68
19	0.00	0.00	0.00	0.00	8.56	0.00	0.00	8.56	17720.80	21938.32	39659.12
20	0.00	0.00	0.00	0.00	8.33	0.00	0.00	8.33	17716.58	21934.22	39650.80
21	0.00	0.00	0.00	0.00	5.59	0.00	0.00	5.59	17714.09	21931.11	39645.20
22	0.00	0.00	0.00	0.00	7.60	0.00	0.00	7.60	17710.74	21926.85	39637.59
23	0.00	0.00	0.00	0.00	8.03	0.00	0.00	8.03	17707.51	21922.05	39629.56
24	0.00	0.00	0.00	0.00	6.13	0.00	0.00	6.13	17704.53	21918.91	39623.44
25	0.00	0.00	0.00	0.00	6.39	0.00	0.00	6.39	17701.07	21915.97	39617.04
26	0.00	0.00	0.00	0.00	6.02	0.00	0.00	6.02	17697.87	21913.15	39611.02
27	0.00	0.00	0.00	0.00	2.99	0.00	0.00	2.99	17696.18	21911.86	39608.04
28	0.00	0.00	0.00	0.00	2.64	0.00	0.00	2.64	17694.50	21910.90	39605.40
29	0.00	0.00	0.00	0.00	4.10	0.00	0.00	4.10	17692.33	21908.97	39601.30
30	0.00	0.00	0.00	0.00	4.31	0.00	0.00	4.31	17690.20	21906.79	39596.99
31	0.00	0.00	0.00	0.00	5.81	0.00	0.00	5.81	17688.54	21902.63	39591.17
		7472	0	83	195	0	0	278.40			

Allocation Ratio		-	0.30	0.70	-	-	0
ADJUSTMENT AMT PER UNIT		0.00	0.00	0.00	0.00	0.00	0
ADJUSTED UNIT BURN		0	83	195	0	0	278.4
TOTAL BURN	Daily/Monthly Fuel Reporting						278.40
	Monthly Operating Report						
TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION C							-278.4

DAILY/MONTHLY OIL REPORTING -November 2010

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C NorthTank	South Tank	North & South Total Gallons
1	0.00	0.00	0.00	0.00	5.65	0.00	0.00	5.65	17686.34	21899.18	39585.52
2	0.00	0.00	0.00	0.00	9.38	0.00	0.00	9.38	17682.89	21893.26	39576.15
3	0.00	0.00	0.00	0.00	8.20	0.00	0.00	8.20	17679.01	21888.93	39567.95
4	0.00	0.00	0.00	0.00	8.79	0.00	0.00	8.79	17675.15	21884.00	39559.15
5	0.00	0.00	0.00	0.00	7.59	0.00	0.00	7.59	17672.41	21879.16	39551.57
6	0.00	0.00	0.00	0.00	3.78	0.00	0.00	3.78	17670.72	21877.07	39547.79
7	0.00	0.00	0.00	0.00	4.93	0.00	0.00	4.93	17668.41	21874.45	39542.86
8	0.00	0.00	0.00	0.00	4.36	0.00	0.00	4.36	17666.18	21872.32	39538.50
9	0.00	0.00	0.00	0.00	4.43	0.00	0.00	4.43	17664.07	21869.99	39534.06
10	0.00	0.00	0.00	0.00	5.63	0.00	0.00	5.63	17661.03	21867.41	39528.43
11	0.00	0.00	0.00	0.00	2.91	0.00	0.00	2.91	17659.60	21865.92	39525.52
12	0.00	0.00	0.00	0.00	4.98	0.00	0.00	4.98	17656.89	21863.64	39520.54
13	0.00	0.00	0.00	0.00	5.46	0.00	0.00	5.46	17654.92	21860.15	39515.08
14	0.00	0.00	0.00	0.00	6.99	0.00	0.00	6.99	17651.76	21856.33	39508.09
15	0.00	0.00	0.00	0.00	5.62	0.00	0.00	5.62	17649.53	21852.94	39502.47
16	0.00	0.00	0.00	0.00	5.41	0.00	0.00	5.41	17647.15	21849.90	39497.05
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17645.71	21851.63	39497.34
18	0.00	0.00	0.00	0.00	1.64	0.00	0.00	1.64	17646.27	21849.44	39495.70
19	0.00	0.00	0.00	0.00	1.40	0.00	0.00	1.40	17644.45	21849.85	39494.30
20	0.00	0.00	0.00	0.00	5.07	0.00	0.00	5.07	17641.52	21847.71	39489.23
21	0.00	0.00	0.00	0.00	2.72	0.00	0.00	2.72	17639.79	21846.71	39486.50
22	0.00	0.00	0.00	0.00	2.94	0.00	0.00	2.94	17649.28	21834.28	39483.56
23	0.00	0.00	0.00	0.00	0.00	0.00	208.74	208.74	18761.81	20513.01	39274.82
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18780.79	20533.22	39314.01
25	0.00	0.00	0.00	0.00	280.67	0.00	0.00	280.67	19288.49	19744.85	39033.34
26	0.00	0.00	0.00	0.00	4593.80	0.00	0.00	4593.80	16722.07	17717.47	34439.54
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16726.21	17730.20	34456.41
28	0.00	0.00	0.00	0.00	1264.15		1264.16	2528.31	15768.23	16159.86	31928.09
29	0.00	7527.00	0.00	0.00	6822.19	0.00	6822.20	13644.39	12658.97	13151.74	25810.71
30	0.00	0.00	0.00	0.00	213.70	0.00	213.71	427.41	12432.50	12950.80	25383.30
31	0.00							0.00			0.00
		7527	0	0	13282	0	8509	21,791.20			
Allocation Ratio			-	-	0.61	-	0.39	-56.36			
ADJUSTMENT AMT PER UNIT			0.00	0.00	-34.35	0.00	-22.01	-56.36			
ADJUSTED UNIT BURN			0	0	13248	0	8487	21734.84			
TOTAL BURN	Daily/Monthly Fuel Reporting							21,734.84			
	Monthly Operating Report										
TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION								-21734.84			

DAILY/MONTHLY OIL REPORTING -December 2010

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C NorthTank	South Tank	North & South Total Gallons
1	0.00	7512.00	1284.07	1284.07	0.00	0.00	0.00	2568.14	14968.89	15358.27	30327.16
2	0.00	0.00	4758.46	4758.46	0.00	0.00	0.00	9516.92	10043.00	10767.25	20810.25
3	0.00	7534.00	0.00	0.00	432.08	0.00	432.09	864.17	13454.89	14025.18	27480.07
4	0.00	0.00	0.00	0.00	210.67	0.00	210.67	421.34	13269.35	13789.40	27058.75
5	0.00	0.00	0.00	0.00	0.00	2718.49	0.00	2718.49	12066.76	12273.50	24340.26
6	0.00	7552.00	0.00	0.00	0.00	6575.00	0.00	6575.00	12383.30	12934.11	25317.41
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12388.02	12945.97	25333.99
8	0.00	0.00	5241.87	5241.87	0.00	0.00	0.00	10483.74	7305.15	7545.10	14850.25
9	0.00	15107.00	5049.10	0.00	0.00	0.00	0.00	5049.10	23422.38	1485.77	24908.15
10	0.00	0.00	905.19	0.00	0.00	0.00	0.00	905.19	22510.13	1492.82	24002.96
11	0.00	0.00	36.28	0.00	0.00	0.00	0.00	36.28	22471.89	1494.78	23966.67
12	0.00	0.00	85.36	0.00	0.00	0.00	0.00	85.36	22386.58	1494.74	23881.32
13	0.00	0.00	4000.00	4000.00	0.00	571.92	0.00	8571.92	13814.03	1495.37	15309.40
14	0.00	7574.00	3040.61	3040.61	0.00	0.00	0.00	6081.22	15306.81	1495.37	16802.18
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15339.07	1495.37	16834.44
16	0.00	7561.00	403.97	403.98	0.00	0.00	0.00	807.95	22092.12	0.00	22092.12
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22104.46	0.00	22104.46
18	0.00	0.00	23.80	0.00	0.00	0.00	0.00	23.80	22080.66	0.00	22080.66
19	0.00	0.00	3000.00	3000.00	1185.23	113.95	0.00	7299.18	14895.43	0.00	14895.43
20	0.00	7550.00	1630.77	1630.76	0.00	0.00	0.00	3261.53	14798.90	4385.00	19183.90
21	0.00	0.00	0.00	0.00	689.85	689.85	689.85	2069.55	998.88	16115.47	17114.35
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	998.88	16014.24	17013.12
23	0.00	7561.00	0.00	0.00	0.00	0.00	0.00	0.00	5887.55	17815.28	23702.83
24	0.00	15725.00	0.00	0.00	0.00	0.00	113.95	113.95	19320.00	19879.93	39199.93
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19320.00	19895.82	39215.82
26	0.00	0.00	2585.00	2585.00	6500.00	6500.00	6500.00	24670.00	7100.00	7445.46	14545.46
27	0.00	22665.00	3563.23	3563.23	3563.24	3563.24	0.00	14252.94	11301.00	11656.52	22957.52
28	0.00	0.00	0.00	2145.57	0.00	0.00	0.00	2145.57	9709.00	11102.95	20811.95
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9856.00	11072.45	20928.45
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10089.00	11025.37	21114.37
31	0.00	23358.00	0.00	586.73	0.00	0.00	0.00	586.73	21485.00	22400.64	43885.64
		129695	35608	32240	12581	20732	7947	109,108.07			
Allocation Ratio			0.33	0.30	0.12	0.19	0.07				
ADJUSTMENT AMT PER UNIT			0.00	0.00	0.00	0.00	0.00	0			
ADJUSTED UNIT BURN			35608	32240	12581	20732	7947	109108.07			
TOTAL BURN	Daily/Monthly Fuel Reporting							109,108.07			
	Monthly Operating Report										
TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION C								-109108.07			

DAILY/MONTHLY OIL REPORTING - January 2011

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C NorthTank	South Tank	North & South Total Gallons
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21485.00	22420.18	43905.18
2	0.00	0.00	44.94	0.00	0.00	0.00	0.00	44.94	21485.00	22375.24	43860.24
3	0.00	0.00	4.40	4.40	4.40	4.40	4.40	22.00	21485.00	22353.25	43838.25
4	0.00	0.00	39.75	39.75	39.75	39.75	39.75	198.75	21370.00	22269.50	43639.50
5	0.00	0.00	91.08	91.08	91.08	91.08	91.08	455.40	21140.00	22044.12	43184.12
6	0.00	0.00	0.00	0.00	1292.40	1292.50	0.00	2584.90	19742.79	20856.40	40599.19
7	0.00	0.00	0.00	0.00	7659.90	7659.80	0.00	15319.70	11992.95	13286.48	25279.43
8	0.00	7869.00	0.00	0.00	413.60	0.00	0.00	413.60	15718.87	17015.99	32734.86
9	0.00	7583.00	833.90	0.00	0.00	0.00	0.00	833.90	19273.69	20210.23	39483.91
10	0.00	7557.00	6732.20	6732.18	0.00	0.00	6732.18	20196.56	12867.12	13977.24	26844.35
11	0.00	15108.00	1670.13	1670.13	0.00	0.00	0.00	3340.26	18782.91	19829.18	38612.09
12	0.00	7572.00	1592.70	1592.70	0.00	0.00	0.00	3185.40	20983.58	22015.13	42998.71
13	0.00	0.00	0.00	393.93	0.00	0.00	0.00	393.93	20848.36	21756.42	42604.78
14	0.00	0.00	0.00	403.68	0.00	0.00	0.00	403.68	20610.86	21590.24	42201.10
15	0.00	0.00	0.00	99.69	0.00	0.00	0.00	99.69	20435.07	21666.34	42101.41
16	0.00	0.00	0.00	0.00	327.96	0.00	0.00	327.96	20263.99	21509.47	41773.46
17	0.00	0.00	0.00	0.00	0.00	7253.26	0.00	7253.26	16617.23	17902.97	34520.20
18	0.00	0.00	0.00	7.57	0.00	0.00	0.00	7.57	16579.47	17933.16	34512.63
19	0.00	7569.00	51.22	51.23	0.00	0.00	0.00	102.45	20338.55	21640.63	41979.18
20	0.00	0.00	5152.14	5152.15	0.00	0.00	0.00	10304.29	15248.02	16426.87	31674.90
21	0.00	0.00	158.34	158.34	0.00	0.00	0.00	316.68	15151.69	16206.53	31358.22
22	0.00	15787.00	0.00	0.00	1935.85	0.00	0.00	1935.85	22107.05	23102.31	45209.36
23	0.00	0.00	445.51	445.50	0.00	0.00	0.00	891.01	21618.13	22700.23	44318.36
24	0.00	0.00	146.40	146.00	0.00	0.00	0.00	292.40	21473.74	22551.82	44025.56
25	0.00	0.00	83.80	83.80	0.00	0.00	0.00	167.60	21408.64	22449.31	43857.96
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21470.91	22457.86	43928.77
27	0.00	0.00	0.00	0.00	5.08	0.00	0.00	5.08	21461.68	22462.02	43923.69
28	0.00	0.00	0.00	0.00	20.14	20.14	20.15	60.43	21445.25	22418.01	43863.26
29	0.00	0.00	0.00	0.00	7.83	7.83	7.84	23.50	21426.85	22412.91	43839.76
30	0.00	0.00	0.00	0.00	1659.38	1659.39	1659.39	4978.16	19068.49	19793.11	38861.60
31	0.00	15158.00	0.00	0.00	6641.42	6641.43	0.00	13282.85	19908.57	20828.17	40736.75
		84203	17047	17072	20099	24870	8555	87,441.80			
Allocation Ratio			0.19	0.20	0.23	0.28	0.10	-90.36			
ADJUSTMENT AMT PER UNIT			-17.62	-17.64	-20.77	-25.49	-8.84	-90.36			
ADJUSTED UNIT BURN			17029	17054	20078	24644	8546	87351.44			
TOTAL BURN			Daily/Monthly Fuel Reporting					87,351.44			
			Monthly Operating Report								
TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION C								-87351.44			

DAILY/MONTHLY OIL REPORTING - February 2011

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C NorthTank	South Tank	North & South Total Gallons
1	0.00	0.00	0.00	0.00	0.00	348.21	0.00	348.21	19758.79	20629.74	40388.53
2	0.00	0.00	0.00	0.00	42.29	42.30	42.30	126.89	19663.33	20598.32	40261.65
3	0.00	0.00	0.00	0.00	1.68	0.00	0.00	1.68	19664.58	20595.39	40259.97
4	0.00	0.00	0.00	0.00	124.35	124.33	124.33	373.01	19475.90	20411.05	39886.95
5	0.00	0.00	0.00	0.00	57.69	57.67	57.67	173.03	19375.09	20338.83	39713.92
6	0.00	0.00	0.00	0.00	8.16	8.16	8.15	24.47	19341.26	20348.20	39689.46
7	0.00	0.00	0.00	0.00	2889.39	2889.39	0.00	5778.78	16498.87	17411.81	33910.68
8	0.00	0.00	1544.85	1500.00	2500.00	3000.00	4000.00	12544.85	10219.62	11146.21	21365.83
9	0.00	15148.00	3694.54	3695.54	0.00	0.00	0.00	7390.08	13949.35	15174.40	29123.75
10	0.00	15471.00	0.00	0.00	0.00	56.46	0.00	56.46	21738.04	22800.25	44538.29
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21843.50	22765.38	44608.88
12	0.00	0.00	0.00	0.00	70.90	0.00	0.00	70.90	21770.64	22767.33	44537.97
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21770.37	22809.73	44580.10
14	0.00	0.00	0.00	0.00	17.87	0.00	0.00	17.87	21762.56	22799.67	44562.23
15	0.00	0.00	14.42	0.00	0.00	0.00	0.00	14.42	21755.73	22792.07	44547.80
16	0.00	0.00	22.71	0.00	0.00	0.00	0.00	22.71	21791.81	22733.28	44525.09
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21791.55	22734.12	44525.67
18	0.00	0.00	0.00	0.00	5.40	5.40	5.40	16.20	21783.53	22725.95	44509.47
19	0.00	0.00	0.00	0.00	1.45	1.45	1.45	4.35	21781.81	22723.31	44505.12
20	0.00	0.00	0.00	0.00	3.29	3.29	3.29	9.87	21776.95	22718.30	44495.25
21	0.00	0.00	7.94	0.00	0.00	0.00	0.00	7.94	21773.04	22714.27	44487.31
22	0.00	0.00	0.00	2972.78	2000.00	2000.00	2000.00	8972.78	17385.01	18129.52	35514.54
23	0.00	0.00	0.00	5228.97	4500.00	4500.00	4500.00	18728.97	7819.03	8966.54	16785.57
24	0.00	22697.00	0.00	0.00	0.00	1114.20	0.00	1114.20	18645.54	19722.82	38368.37
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18748.09	19730.02	38478.11
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18748.17	19736.71	38484.88
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18745.30	19743.40	38488.69
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18743.84	19749.05	38492.89
29	0.00							0.00			0.00
30	0.00							0.00			0.00
31	0.00							0.00			0.00
		53316	5284	13397	12222	14151	10743	55,797.67			

Allocation Ratio		0.09	0.24	0.22	0.25	0.19	-237.81
ADJUSTMENT AMT PER UNIT		-22.52	-57.10	-52.09	-60.31	-45.78	-237.81
ADJUSTED UNIT BURN		5262	13340	12170	14091	10697	55559.86
TOTAL BURN	Daily/Monthly Fuel Reporting						55,559.86
	Monthly Operating Report						
TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION C							-55559.86

DAILY/MONTHLY OIL REPORTING - March 2011

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C NorthTank	South Tank	North & South Total Gallons
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18738.86	19756.69	38495.55
2	0.00	0.00	0.54	0.00	0.00	0.00	0.00	0.54	18737.54	19757.46	38495.01
3	0.00	0.00	0.00	6.58	0.00	0.00	0.00	6.58	18733.46	19754.97	38488.43
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18732.37	19759.37	38491.75
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18736.45	19773.03	38509.48
6	0.00	0.00	0.00	0.00	2187.63	2187.63	2187.61	6562.87	15484.94	16461.67	31946.61
7	0.00	0.00	0.00	0.00	3248.46	3248.46	3248.46	9745.38	10639.56	11561.67	22201.23
8	0.00	15106.00	0.00	0.00	413.28	408.28	408.28	1229.84	17518.83	18558.56	36077.39
9	0.00	0.00	0.00	0.00	2315.50	2315.50	2315.50	6946.50	14183.30	14947.59	29130.89
10	0.00	7549.00	0.00	0.00	2476.83	2476.81	2476.81	7430.45	14077.92	15171.51	29249.44
11	0.00	7556.00	0.00	0.00	111.47	111.47	111.47	334.41	17654.53	18816.50	36471.03
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17778.75	18781.17	36559.92
13	0.00	0.00	0.00	0.00	1.67	1.67	1.67	5.01	17710.99	18757.32	36468.32
14	0.00	0.00	0.00	0.00	28.87	28.87	28.86	86.60	17710.99	18757.32	36468.31
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17728.99	18770.04	36499.03
16	0.00	0.00	0.00	0.00	54.94	54.94	54.94	164.82	17657.90	18676.31	36334.21
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17666.60	18724.86	36391.46
18	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.73	17666.93	18723.79	36390.72
19	0.00	0.00	0.00	0.00	2.27	0.00	0.00	2.27	17667.09	18721.37	36388.45
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17667.09	18721.37	36388.45
21	0.00	0.00	0.00	0.00	7.54	0.00	0.00	7.54	17663.51	18717.40	36380.91
22	0.00	0.00	0.00	0.00	1.76	0.00	0.00	1.76	17663.50	18715.65	36379.15
23	0.00	0.00	0.00	0.00	194.83	0.00	0.00	194.83	17566.11	18618.21	36184.32
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17562.85	18628.36	36191.21
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17561.00	18635.03	36196.03
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17560.84	18642.39	36203.23
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17559.05	18650.08	36209.13
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17559.47	18657.76	36217.23
29	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.31	17559.74	18657.19	36216.93
30	0.00	0.00	751.27	0.00	0.00	0.00	0.00	751.27	17198.36	18267.30	35465.66
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17216.16	18263.55	35479.72
		30211	752	7	11046	10834	10834	33,471.71			
Allocation Ratio			0.02	0.00	0.33	0.32	0.32	-247.53	Adjustment for negative burns.		
ADJUSTMENT AMT PER UNIT			-5.56	-0.05	-81.69	-80.12	-80.12	-247.53			
ADJUSTED UNIT BURN			747	7	10964	10754	10753	33224.18			
TOTAL BURN		Daily/Monthly Fuel Reporting						33,224.18	Final Burn Total		
		Monthly Operating Report									
		All burns match FCS totals						Yes			
TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION C								-33224.18			

DAILY/MONTHLY OIL REPORTING - April 2011

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C NorthTank	South Tank	North & South Total Gallons
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17216.17	18270.78	35486.95
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17216.00	18278.92	35494.92
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17216.50	18290.46	35506.97
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17219.84	18301.47	35521.31
5	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.22	17219.75	18301.34	35521.09
6	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.38	17218.79	18301.93	35520.71
7	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.29	17218.79	18301.63	35520.42
8	0.00	0.00	0.00	0.00	2.48	0.00	0.00	2.48	17216.80	18301.14	35517.94
9	0.00	0.00	0.00	0.00	1.98	0.00	0.00	1.98	17215.34	18300.63	35515.97
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17215.88	18303.18	35519.06
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17216.06	18304.51	35520.57
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17215.55	18306.19	35521.74
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17215.55	18306.19	35521.74
14	0.00	0.00	0.00	0.00	0.00	0.00	62.76	62.76	17216.02	18242.97	35458.99
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17226.72	18254.39	35481.11
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17222.86	18271.07	35493.92
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17230.27	18271.89	35502.16
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17231.12	18272.62	35503.73
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17232.94	18273.04	35505.97
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17233.91	18273.76	35507.67
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17239.07	18287.24	35526.31
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17242.78	18297.18	35539.96
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17244.00	18296.68	35540.68
24	0.00	0.00	0.00	0.00	838.00	838.00	839.57	2515.57	16066.91	16958.20	33025.11
25	0.00	0.00	0.00	0.00	5355.50	7000.00	5355.50	17711.00	7079.02	8235.09	15314.11
26	0.00	14951.00	0.00	0.00	6000.00	0.00	1102.01	7102.01	11003.50	12159.61	23163.11
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11037.85	12162.73	23200.58
28	0.00	14943.00	0.00	0.00	0.00	0.00	383.83	383.83	18398.41	19361.34	37759.75
29	0.00	0.00	0.00	0.00	0.00	0.00	110.38	110.38	18311.07	19338.30	37649.37
30	0.00	0.00	0.00	0.00	0.00	0.00	11.92	11.92	18308.14	19329.31	37637.45
31	0.00							0.00			0.00
		29894	0	0	12199	7838	7866	27,902.82			
Allocation Ratio			-	-	0.44	0.28	0.28	-166.55	Adjustment for negative burns.		
ADJUSTMENT AMT PER UNIT			0.00	0.00	-72.81	-46.78	-46.95	-166.55			
ADJUSTED UNIT BURN			0	0	12126	7791	7819	27736.27			
TOTAL BURN	Daily/Monthly Fuel Reporting							27,736.27	Final Burn Total		
	Monthly Operating Report										
	All burns match FCS totals							Yes			
	TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION C							-27736.27			

DAILY/MONTHLY OIL REPORTING - May 2011

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C NorthTank	South Tank	North & South Total Gallons
1	0.00	0.00	0.00	0.00	0.00	0.00	3.24	3.24	18300.93	19333.28	37634.21
2	0.00	0.00	0.00	0.00	0.00	0.00	106.15	106.15	18269.02	19259.04	37528.06
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18256.74	19283.30	37540.05
4	0.00	0.00	0.00	0.00	0.00	0.00	9.41	9.41	18254.49	19276.15	37530.64
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18254.49	19276.15	37530.64
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18254.49	19276.15	37530.64
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18254.49	19276.15	37530.64
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18254.49	19276.15	37530.64
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18254.49	19276.15	37530.64
10	0.00	0.00	0.00	0.00	0.00	0.00	3.68	3.68	18238.04	19301.15	37539.19
11	0.00	0.00	0.00	0.00	0.00	0.00	2.14	2.14	18236.30	19299.22	37535.52
12	0.00	0.00	0.00	0.00	0.00	0.00	3.93	3.93	18233.11	19296.34	37529.45
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18233.11	19296.34	37529.44
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18233.11	19296.34	37529.44
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18233.11	19296.34	37529.44
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18233.11	19296.34	37529.45
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18233.11	19296.34	37529.45
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18233.11	19296.34	37529.45
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18233.11	19296.34	37529.45
20	0.00	7510.00	0.00	0.00	0.00	0.00	0.00	0.00	20781.04	24525.58	45306.62
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20782.08	24527.19	45309.27
22	0.00	0.00	0.00	0.00	0.00	1117.64	0.00	1117.64	21694.34	22497.29	44191.63
23	0.00	0.00	0.00	0.00	500.00	5577.16	5576.00	11653.16	15774.77	16763.70	32538.47
24	0.00	7488.00	0.00	0.00	5816.04	0.00	0.00	5816.04	16650.03	17560.40	34210.43
25	0.00	7449.00	0.00	0.00	0.00	0.00	0.00	0.00	20421.37	21341.01	41762.38
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20490.31	21320.22	41810.53
27	0.00	0.00	0.00	0.00	0.00	0.00	8.02	8.02	20482.92	21319.59	41802.50
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20454.96	21352.47	41807.43
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20459.49	21355.38	41814.87
30	0.00	0.00	5180.62	5180.62	0.00	0.00	0.00	10361.23	15222.12	16231.51	31453.64
31	0.00	0.00	4848.09	4848.00	0.00	0.00	0.00	9696.09	10387.89	11369.66	21757.55
		22447	10029	10029	6316	6695	5713	38,780.73			
Allocation Ratio			0.26	0.26	0.16	0.17	0.15	-453.83			
ADJUSTMENT AMT PER UNIT			-117.36	-117.36	-73.91	-78.35	-66.85	-453.83			
ADJUSTED UNIT BURN			9911	9911	6242	6616	5646	38326.9			
TOTAL BURN	Daily/Monthly Fuel Reporting							38,326.90			
	Monthly Operating Report										
TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION C								-38326.9			

DAILY/MONTHLY OIL REPORTING - JUNE 2011

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C NorthTank	South Tank	North & South Total Gallons
1	0.00	22361.00	2147.43	2147.43	1000.00	2500.00	1000.00	8794.86	17185.26	18138.43	35323.69
2	0.00	7867.00	210.69	0.00	0.00	0.00	0.00	210.69	17185.26	18138.43	35323.69
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21046.76	22023.04	43069.80
4	0.00	0.00	0.00	0.00	23.47	0.00	0.00	23.47	21028.18	22020.14	43046.32
5	0.00	0.00	0.00	0.00	442.33	0.00	0.00	442.33	20977.06	21626.94	42604.00
6	0.00	7180.00	4793.99	4793.99	4793.99	4793.99	4793.99	23969.95	12326.96	13487.10	25814.06
7	0.00	15227.00	1870.33	1870.32	700.00	0.00	300.00	4740.65	17596.38	18704.02	36300.40
8	0.00	7155.00	1669.00	1669.00	0.00	0.00	0.00	3338.00	19599.61	20517.80	40117.41
9	0.00	7462.00	1700.93	1700.93	0.00	0.00	0.00	3401.85	21644.86	22532.70	44177.56
10	0.00	0.00	2001.04	2001.04	0.00	0.00	0.00	4002.08	19705.93	20469.55	40175.48
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19616.24	20601.63	40217.87
12	0.00	0.00	25.81	25.81	0.00	0.00	0.00	51.61	19588.44	20577.82	40166.26
13	0.00	0.00	17.68	17.68	0.00	0.00	0.00	35.36	19569.27	20561.63	40130.90
14	0.00	0.00	12.66	12.66	0.00	0.00	0.00	25.31	19554.82	20550.77	40105.59
15	0.00	0.00	9.92	9.92	0.00	0.00	0.00	19.84	19543.27	20542.48	40085.75
16	0.00	0.00	9.03	9.03	0.00	0.00	0.00	18.06	19532.56	20535.13	40067.69
17	0.00	0.00	6.17	6.18	0.00	0.00	0.00	12.35	19524.49	20530.84	40055.33
18	0.00	0.00	3.39	3.39	0.00	0.00	0.00	6.78	19517.75	20530.81	40048.56
19	0.00	0.00	2.58	2.59	0.00	0.00	0.00	5.17	19512.23	20531.16	40043.39
20	0.00	0.00	4.18	4.19	0.00	0.00	0.00	8.37	19503.28	20531.74	40035.02
21	0.00	0.00	1.41	1.42	0.00	0.00	0.00	2.83	19500.19	20531.99	40032.18
22	0.00	0.00	3.20	3.19	0.00	0.00	0.00	6.39	19496.75	20529.04	40025.79
23	0.00	0.00	5.50	5.49	0.00	0.00	0.00	10.99	19491.35	20523.45	40014.80
24	0.00	0.00	4.68	0.00	0.00	0.00	0.00	4.68	19489.02	20521.10	40010.12
25	0.00	0.00	8.62	0.00	0.00	0.00	0.00	8.62	19484.86	20516.64	40001.50
26	0.00	0.00	4.79	0.00	0.00	0.00	0.00	4.79	19480.99	20515.72	39996.71
27	0.00	0.00	6.14	0.00	0.00	0.00	0.00	6.14	19478.22	20512.35	39990.57
28	0.00	0.00	614.73	614.73	0.00	614.73	0.00	1844.19	18554.74	19591.64	38146.38
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18552.45	19617.34	38169.79
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18549.18	19638.00	38187.18
31	0.00							0.00			0.00
		67252	15134	14896	6960	7882	6094	50,995.15			
Allocation Ratio			0.30	0.29	0.14	0.16	0.12	-172.99			
ADJUSTMENT AMT PER UNIT			-51.34	-50.54	-23.61	-26.83	-20.67	-172.99			
ADJUSTED UNIT BURN			15083	14846	6936	7882	6073	50822.364			
TOTAL BURN			Daily/Monthly Fuel Reporting					50,822.36			
			Monthly Operating Report								
TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION C								-50822.364			

DAILY/MONTHLY OIL REPORTING - JULY 2011

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C North Tank	South Tank	North & South Total Gallons
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18551.20	19650.61	38201.81
2	0.00	0.00	0.00	0.00	3.21	0.00	0.00	3.21	18549.34	19649.26	38198.60
3	0.00	0.00	0.00	0.00	2.73	0.00	0.00	2.73	18548.34	19647.53	38195.87
4	0.00	0.00	0.00	0.00	3.58	0.00	0.00	3.58	18546.30	19645.98	38192.28
5	0.00	0.00	362.68	362.68	0.00	0.00	0.00	725.36	18299.87	19167.06	37466.93
6	0.00	7447.00	4962.49	4962.49	0.00	0.00	0.00	9924.97	16961.01	18027.96	34988.97
7	0.00	7435.00	1632.76	1632.76	0.00	0.00	0.00	3265.52	19067.27	20091.18	39158.45
8	0.00	0.00	1.24	1.23	0.00	0.00	0.00	2.47	19059.28	20096.70	39155.97
9	0.00	0.00	1.60	1.59	0.00	0.00	0.00	3.19	19053.61	20099.17	39152.79
10	0.00	0.00	39.32	39.31	0.00	0.00	0.00	78.63	19024.64	20049.51	39074.15
11	0.00	14846.00	4325.90	5121.12	5078.38	5823.00	5114.95	25463.35	13678.40	14778.41	28456.81
12	0.00	14862.00	909.81	1650.08	0.00	0.00	0.00	2559.89	20017.58	20741.23	40758.91
13	0.00	0.00	1382.44	1189.57	0.00	0.00	0.00	2572.01	18668.56	19518.34	38186.90
14	0.00	0.00	6.85	0.00	0.00	0.00	0.00	6.85	18558.42	19621.63	38180.05
15	0.00	7462.00	0.00	0.00	0.00	0.00	0.00	0.00	22453.27	23335.61	45788.88
16	0.00	0.00	0.00	0.00	6.50	6.50	6.50	19.50	22430.56	23338.82	45769.38
17	0.00	0.00	0.00	0.00	120.43	120.43	120.44	361.30	22262.51	23145.57	45408.08
18	0.00	0.00	5033.29	4108.12	3909.66	5322.48	5443.36	23814.91	10258.13	11335.04	21593.17
19	0.00	15580.00	1683.44	2617.89	0.00	725.21	0.00	5026.54	15511.11	16635.52	32146.63
20	0.00	7394.00	1423.13	1270.16	0.00	0.00	0.00	2693.29	17891.48	18955.85	36847.33
21	0.00	7446.00	750.67	1498.34	0.00	0.00	0.00	2249.01	20506.75	21537.58	42044.33
22	0.00	0.00	1381.05	1619.33	0.00	0.00	0.00	3000.38	19000.09	20043.86	39043.95
23	0.00	0.00	1296.35	1085.44	0.00	0.00	0.00	2381.79	17885.90	18776.26	36662.16
24	0.00	0.00	20.31	20.31	0.00	0.00	0.00	40.62	17777.35	18844.19	36621.53
25	0.00	7433.00	2656.20	2860.70	0.00	0.00	0.00	5516.90	18630.46	19907.18	38537.63
26	0.00	0.00	1188.12	1923.55	0.00	0.00	0.00	3111.67	17214.08	18211.90	35425.97
27	0.00	7438.00	0.00	0.00	38.22	0.00	0.00	38.22	20892.22	21933.53	42825.75
28	0.00	0.00	3498.09	3498.09	1478.44	0.00	0.00	8474.62	16659.74	17691.39	34351.13
29	0.00	7371.00	1154.31	1154.31	0.00	0.00	0.00	2308.62	19224.69	20188.83	39413.52
30	0.00	0.00	1163.00	1163.00	0.00	0.00	0.00	2326.00	18043.72	19043.52	37087.24
31	0.00	0.00	3.38	3.39	0.00	0.00	0.00	6.77	17953.21	19127.26	37080.47
		104714	34876	37781	10641	11998	10685	105,981.90			
Allocation Ratio			0.33	0.36	0.10	0.11	0.10	-161.46			
ADJUSTMENT AMT PER UNIT			-53.13	-57.56	-16.21	-18.28	-16.28	-161.46			
ADJUSTED UNIT BURN			34823	37724	10625	11979	10669	105820.44			
TOTAL BURN			Daily/Monthly Fuel Reporting					105,820.44			
			Monthly Operating Report								
TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION C								-105820.44			

DAILY/MONTHLY OIL REPORTING - AUGUST 2011

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C NorthTank	South Tank	North & South Total Gallons
1	0.00	0.00	3567.85	3567.48	0.00	0.23	0.49	7136.05	14372.01	15572.77	29944.78
2	0.00	14873.00	229.88	3318.40	0.00	17.34	0.61	3566.23	19997.23	21254.30	41251.53
3	0.00	0.00	0.00	0.52	0.00	59.03	5.21	64.76	20100.30	21086.56	41186.86
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20083.38	21144.76	41228.14
5	0.00	0.00	0.00	0.00	0.00	18.20	0.00	18.20	20071.61	21138.33	41209.94
6	0.00	0.00	0.00	0.00	0.00	17.31	0.00	17.31	20061.01	21131.62	41192.63
7	0.00	0.00	9.05	9.05	0.00	0.00	0.00	18.10	20051.23	21123.30	41174.53
8	0.00	7412.00	2159.81	2573.93	0.00	317.76	11364.53	16416.03	15619.21	16551.28	32170.49
9	0.00	7440.00	0.00	0.00	0.00	16.05	8.25	24.30	19352.02	20234.17	39586.19
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19357.34	20392.21	39749.56
11	0.00	0.00	0.00	0.00	0.00	18.48	0.00	18.48	19348.23	20382.85	39731.07
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19345.69	20398.26	39743.95
13	0.00	0.00	8.71	0.00	0.00	0.00	0.00	8.71	19343.98	20391.26	39735.25
14	0.00	0.00	15.82	0.00	0.00	0.00	0.00	15.82	19334.50	20384.93	39719.43
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19331.29	20393.26	39724.55
16	0.00	0.00	5.07	0.00	0.00	0.00	0.00	5.07	19327.86	20391.62	39719.48
17	0.00	0.00	0.00	130.90	0.00	0.00	12.59	143.49	19327.86	20391.62	39719.48
18	0.00	7417.00	0.08	4204.66	0.00	0.01	0.00	4204.75	20889.32	21898.91	42788.23
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20900.30	21912.98	42813.28
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20901.38	21916.78	42818.16
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20903.65	21942.40	42846.06
22	0.00	0.00	0.00	0.00	0.00	0.00	6.62	6.62	20899.20	21940.24	42839.44
23	0.00	0.00	0.00	0.00	0.00	0.00	9.41	9.41	20894.89	21935.14	42830.04
24	0.00	0.00	0.00	0.30	0.00	0.00	0.54	0.84	20895.90	21933.30	42829.20
25	0.00	0.00	0.07	7740.58	0.00	0.00	0.31	7740.96	17004.03	18084.22	35088.25
26	0.00	7459.00	0.03	0.00	28.94	590.15	2757.71	3376.83	19025.37	20144.90	39170.27
27	0.00	7449.00	4643.33	6523.39	0.00	460.76	10338.40	21965.88	11725.99	12927.40	24653.39
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11814.67	12916.04	24730.71
29	0.00	14872.00	158.40	158.40	0.00	0.00	0.00	316.80	19155.71	20130.19	39285.90
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19160.73	20209.79	39370.52
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19159.79	20220.54	39380.32
		66922	10798.10	28227.61	28.94	1516.32	24504.67	65,074.64			
Allocation Ratio			0.17	0.43	0.00	0.02	0.38	-452.22			
ADJUSTMENT AMT PER UNIT			-75.04	-196.16	-0.20	-10.53	-170.29	-452.22			
ADJUSTED UNIT BURN			10723	28031	29	1505	24334	64622.42			
TOTAL BURN	Daily/Monthly Fuel Reporting							64,622.42			
	Monthly Operating Report										
TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION C								-64622.42			

DAILY/MONTHLY OIL REPORTING - SEPTEMBER 2011

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C NorthTank	South Tank	North & South Total Gallons
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19158.66	20227.78	39386.44
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19156.38	20242.53	39398.90
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19160.44	20255.51	39415.95
4	0.00	0.00	1.65	1.65	1.65	1.65	1.66	8.26	19156.45	20251.24	39407.69
5	0.00	0.00	0.64	0.64	0.64	0.64	0.64	3.20	19155.12	20249.37	39404.49
6	0.00	0.00	2.45	2.45	2.45	2.45	2.46	12.26	19147.85	20244.38	39392.23
7	0.00	0.00	0.48	0.48	0.48	0.48	0.49	2.41	19147.36	20242.47	39389.82
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19145.74	20240.13	39385.87
9	0.00	0.00	1.00	1.01	1.01	1.01	1.01	5.04	19143.11	20237.71	39380.82
10	0.00	0.00	0.00	0.00	0.00	5.34	0.00	5.34	19140.53	20234.95	39375.48
11	0.00	0.00	1.44	1.44	1.44	1.44	1.42	7.18	19136.60	20231.70	39368.30
12	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.34	19134.48	20234.20	39368.68
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19132.54	20245.15	39377.69
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19131.25	20249.62	39380.87
15	0.00	0.00	0.55	0.55	0.55	0.55	0.56	2.76	19128.66	20249.45	39378.11
16	0.00	0.00	0.38	0.375	0.37	0.37	0.38	1.88	19126.29	20249.94	39376.23
17	0.00	0.00	0.00	0.00	0.00	0.00	6.34	6.34	19123.09	20246.81	39369.90
18	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.29	19124.03	20252.38	39376.41
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19126.30	20254.57	39380.87
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19124.88	20252.91	39377.79
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19123.86	20252.03	39375.89
22	0.00	0.00	3.21	0.00	0.00	764.79	0.01	768.01	18783.73	19824.15	38607.88
23	0.00	0.00	311.65	0.00	0.00	14.89	0.01	326.55	18619.82	19661.51	38281.33
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18637.53	19671.91	38309.44
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18635.05	19690.63	38325.68
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18633.83	19690.63	38324.46
27	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.71	18632.70	19691.01	38323.71
28	0.00	0.00	1.81	0.00	0.00	0.00	0.00	1.81	18631.01	19690.90	38321.91
29	0.00	0.00	1.80	0.00	0.00	0.00	0.00	1.80	18629.60	19690.39	38319.99
30	0.00	0.00	6.53	0.00	0.00	0.00	0.00	6.53	18626.43	19686.64	38313.07
		0	333.69	8.60	8.59	794.24	15.69	1,160.71			

Allocation Ratio		0.29	0.01	0.01	0.68	0.01
ADJUSTMENT AMT PER UNIT		0.00	0.00	0.00	0.00	0.00
ADJUSTED UNIT BURN		334	9	9	794	16
TOTAL BURN	Daily/Monthly Fuel Reporting					1,160.71
	Monthly Operating Report					
TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION C						-1160.705

DAILY/MONTHLY OIL REPORTING - OCTOBER 2011

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C NorthTank	South Tank	North & South Total Gallons
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18619.36	19680.66	38300.02
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18613.72	19675.33	38289.04
3	0.00	0.00	1179.96	0.00	0.00	46.08	0.00	1226.04	17983.01	19056.13	37039.13
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17996.44	19069.30	37065.74
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18016.40	19072.09	37088.49
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18028.72	19069.12	37097.84
7	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.68	18028.05	19069.11	37097.16
8	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.03	18027.47	19069.65	37097.12
9	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.34	18026.96	19069.83	37096.79
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18026.21	19071.46	37097.67
11	0.00	0.00	0.47	0.00	0.00	0.00	0.00	0.47	18024.77	19072.42	37097.19
12	0.00	0.00	3.48	0.00	0.00	0.00	0.00	3.48	18022.82	19070.83	37093.65
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18022.61	19071.33	37093.94
14	0.00	0.00	3.99	0.00	0.00	0.00	0.00	3.99	18020.44	19069.43	37089.87
15	0.00	0.00	3.93	0.00	0.00	0.00	0.00	3.93	18019.01	19066.87	37085.87
16	0.00	0.00	2.77	0.00	0.00	0.00	0.00	2.77	18017.20	19065.85	37083.05
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18016.05	19064.92	37080.97
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18015.18	19063.96	37079.14
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18014.03	19062.41	37076.44
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18007.06	19031.38	37038.44
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17993.95	19045.96	37039.90
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17999.74	19040.78	37040.52
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18004.41	19035.67	37040.09
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18003.79	19035.67	37039.46
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18002.88	19035.17	37038.05
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18003.28	19034.39	37037.67
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18001.19	19032.81	37034.00
28	0.00	0.00	0.00	0.00	0.00	8.22	0.00	8.22	17996.80	19028.82	37025.62
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17992.47	19024.69	37017.16
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17990.11	19023.71	37013.82
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17989.43	19024.17	37013.60
		0	1195.65	0.00	0.00	54.30	0.00	1,249.95			
Allocation Ratio			0.96	-	-	0.04	-	-61.97			
ADJUSTMENT AMT PER UNIT			-59.28	0.00	0.00	-2.69	0.00	0			
ADJUSTED UNIT BURN			1136	0	0	52	0	1188			
TOTAL BURN		Daily/Monthly Fuel Reporting						1,187.98			
		Monthly Operating Report									
TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION C								(1,187.98)			

DAILY/MONTHLY OIL REPORTING - November 2011

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C NorthTank	South Tank	North & South Total Gallons
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17988.13	19024.03	37012.16
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17985.62	19021.54	37007.16
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17984.43	19021.13	37005.56
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17983.26	19020.50	37003.76
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17978.75	19016.22	36994.97
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17976.26	19014.12	36990.38
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17974.72	19013.50	36988.22
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17973.65	19012.50	36986.15
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17973.65	19012.50	36986.15
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17970.75	19010.62	36981.37
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17968.15	19008.16	36976.32
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17966.72	19006.39	36973.11
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17967.08	19006.19	36973.27
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17971.09	19006.70	36977.79
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17969.25	19007.37	36976.62
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17965.74	19004.11	36969.85
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17961.41	19002.89	36964.30
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17959.19	18999.95	36959.13
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17956.52	18998.90	36955.42
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17956.67	18998.80	36955.47
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17958.20	18998.88	36957.08
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17955.33	18997.87	36953.20
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17952.55	18996.77	36949.32
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17952.99	18997.82	36950.81
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17954.06	18997.14	36951.21
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17951.97	18996.38	36948.35
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17951.57	18996.45	36948.03
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17951.73	18995.24	36946.96
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17951.10	18994.60	36945.70
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17949.85	18986.87	36936.52
31	0.00							0.00			0.00
		0	0.00		0.00	0.00	0.00				

Allocation Ratio		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
ADJUSTMENT AMT PER UNIT		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
ADJUSTED UNIT BURN		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
TOTAL BURN	Daily/Monthly Fuel Reporting						-
	Monthly Operating Report						
TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION C							0

DAILY/MONTHLY OIL REPORTING - December 2011

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C NorthTank	South Tank	North & South Total Gallons
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17947.73	18991.92	36939.65
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17945.30	18987.62	36932.92
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17944.27	18986.29	36930.56
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17942.44	18984.97	36927.41
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17943.09	18986.88	36929.97
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17943.50	18983.62	36927.12
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17941.35	18983.86	36925.21
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17937.07	18982.26	36919.33
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17934.59	18977.44	36912.03
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17932.97	18976.68	36909.65
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17930.61	18975.76	36906.36
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17929.41	18972.19	36901.60
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17927.78	18972.89	36900.67
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17928.57	18970.28	36898.85
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17929.65	18970.52	36900.17
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17926.04	18978.27	36904.31
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17924.94	18975.59	36900.54
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17920.65	18972.86	36893.51
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17919.30	18971.63	36890.94
20	0.00	0.00	70.74	0.00	0.00	114.44	67.12	252.30	17804.33	18834.30	36638.64
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17795.63	18851.47	36647.10
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17796.97	18853.45	36650.42
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17798.03	18853.59	36651.61
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17796.47	18852.82	36649.29
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17794.12	18853.01	36647.14
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17793.40	18857.65	36651.05
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17793.40	18866.86	36660.26
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17793.48	18868.02	36661.50
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17791.58	18866.39	36657.97
30	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	17791.46	18867.17	36658.63
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17791.43	18870.87	36662.29
		0	70.74	0.00	0.00	114.44	67.14	252.32			
Allocation Ratio			0.28	-	-	0.45	0.27				
ADJUSTMENT AMT PER UNIT			0.00	0.00	0.00	0.00	0.00	0			
ADJUSTED UNIT BURN			71	0	0	114	67	252.32			
TOTAL BURN	Daily/Monthly Fuel Reporting							252.32			
	Monthly Operating Report										
TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION C								-252.32			

DAILY/MONTHLY OIL REPORTING - Janauary 2012

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C NorthTank	South Tank	North & South Total Gallons
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17795.05	18875.65	36670.71
2	0.00	7564.00	2339.80	2557.71	7999.70	10243.27	5723.98	28864.46	7210.09	8160.15	15370.24
3	0.00	30279.00	6847.58	6516.23	260.43	3393.47	208.82	17226.53	13495.69	14927.02	28422.71
4	0.00	0.00	0.00	0.00	663.76	83.07	5.89	752.72	13284.25	14385.73	27669.99
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13247.16	14356.45	27603.61
6	0.00	0.00	3.97	3887.35	0.00	55.27	0.00	3946.59	11289.42	12367.59	23657.02
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11290.23	12373.56	23663.80
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11287.51	12371.13	23658.65
9	0.00	7567.00	0.02	0.00	4234.34	19.85	2970.94	7225.15	11596.76	12403.72	24000.48
10	0.00	7570.00	0.03	0.00	1709.36	21.46	2359.49	4090.34	13254.21	14225.94	27480.15
11	0.00	15435.00	0.00	0.00	0.00	0.00	0.00	0.00	20861.30	21766.18	42627.48
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20904.92	21788.65	42693.57
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20906.73	21782.80	42689.53
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20887.62	21755.58	42643.20
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20856.59	21718.76	42575.35
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20845.19	21705.73	42550.92
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20844.99	21713.51	42558.50
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20832.31	21704.29	42536.60
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20819.57	21687.16	42506.72
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20800.33	21665.76	42466.09
21	0.00	0.00	0.00	0.00	0.00	26.47	140.60	167.07	20714.06	21584.95	42299.01
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20696.55	21570.57	42267.12
23	0.00	0.00	0.00	0.00	0.00	3.25	5.86	9.11	20695.01	21563.00	42258.01
24	0.00	0.00	0.00	0.00	0.00	1.70	2.17	3.87	20698.04	21572.30	42270.34
25	0.00	0.00	0.10	0.00	0.00	4000.93	1.47	4002.50	18673.58	19594.27	38267.85
26	0.00	0.00	0.51	0.00	0.38	1571.75	0.00	1572.64	17820.39	18874.83	36695.22
27	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.02	17827.00	18891.38	36718.38
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17817.05	18907.82	36724.87
29	0.00	0.00	0.00	0.00	1486.94	9.84	707.96	2204.74	16673.45	17846.61	34520.06
30	0.00	0.00	0.00	0.00	4757.69	12.33	4667.57	9437.59	11822.90	13259.57	25082.47
31	0.00	15141.00	0.00	0.00	0.00	321.24	24.63	345.87	19239.83	20637.77	39877.60
		83556	9192.01	12961.29	21112.60	19763.92	16819.39	79,849.20			

Allocation Ratio		0.12	0.16	0.26	0.25	0.21
ADJUSTMENT AMT PER UNIT		0.00	0.00	0.00	0.00	0.00
ADJUSTED UNIT BURN		9192	12961	21113	19764	16819
TOTAL BURN	Daily/Monthly Fuel Reporting					
	Monthly Operating Report					
TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION C						

	0
	79849.2
	79,849.20
	-79849.2

DAILY/MONTHLY OIL REPORTING - February 2012

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C		
									NorthTank	South Tank	North & South Total Gallons
1	0.00	0.00	0.00	0.00	0.00	12.55	1.69	14.24	19317.03	20672.90	39989.93
2	0.00	0.00	0.00	0.00	0.00	11.42	4.27	15.69	19325.98	20692.12	40018.10
3	0.00	0.00	0.44	0.00	0.37	74.37	123.53	198.71	19407.91	20411.86	39819.77
4	0.00	0.00	1.24	0.00	0.00	40.67	2898.26	2938.17	17900.42	18980.81	36881.23
5	0.00	0.00	0.07	0.00	0.00	2576.69	439.19	3015.95	16535.24	17330.04	33865.28
6	0.00	0.00	0.00	0.00	0.00	3203.37	2759.61	5962.98	13385.18	14517.13	27902.30
7	0.00	7568.00						0.00	17049.02	18203.51	35252.54
8	0.00	0.00	0.00	0.00	0.00	25.96	1.85	27.81	17072.00	18198.22	35270.22
9	0.00							0.00			0.00
10	0.00	0.00	0.00	0.00	0.00	15.50	0.29	15.79	17082.58	18200.24	35282.82
11	0.00	0.00	0.00	0.00	0.00	23.92	0.58	24.50	17069.72	18188.60	35258.32
12	0.00	0.00	5449.63	5738.40	0.00	60.33	2.75	11251.11	11589.03	12418.18	24007.21
13	0.00	0.00	0.00	0.00	0.00	4.23	0.00	4.23	11507.79	12495.39	24003.18
14	0.00	15160.00	0.00	0.00	0.00	399.21	75.43	474.64	18842.78	19845.55	38688.33
15	0.00	0.00	0.00	0.00	0.00	14.06	3.62	17.68	18886.45	19855.01	38741.46
16	0.00	0.00	0.00	0.00	0.00	0.84	0.65	1.49	18896.40	19859.54	38755.94
17	0.00	0.00	0.00	0.00	0.00	7.58	0.10	7.68	18901.58	19866.53	38768.11
18	0.00	0.00	0.00	0.00	0.00	864.00	582.91	1446.91	18905.51	19867.58	38773.09
19	0.00	0.00	0.00	0.00	0.00	323.00	392.20	715.20	18894.55	19859.91	38754.46
20	0.00	0.00	0.00	0.00	0.00	16.98	2.22	19.20	18884.57	19850.70	38735.27
21	0.00	0.00	0.00	0.00	0.00	8.08	1.59	9.67	18925.86	19799.74	38725.60
22	0.00	0.00	0.00	0.00	0.00	4.86	0.47	5.33	18915.54	19804.72	38720.26
23	0.00	0.00	0.08	0.00	0.12	6.95	1.54	8.69	18864.48	19926.40	38790.88
24	0.00	0.00	4099.40	4249.08	0.00	30.14	0.00	8378.62	14661.43	15750.83	30412.26
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14685.57	15751.99	30437.57
26	0.00	0.00	0.00	2336.62	0.00	55.34	0.00	2391.96	13491.55	14554.06	28045.61
27	0.00	0.00	0.00	0.00	0.00	25.54	0.00	25.54	13562.29	14457.78	28020.07
28	0.00	7567.00	0.03	0.00	0.65	16.91	0.00	17.59	17217.79	18295.37	35513.16
29	0.00							0.00			0.00
30	0.00							0.00			0.00
31	0.00	0.00						0.00			0.00
		[illegible]	9550.89	12324.10	1.14	7822.59	7290.75	36,989.38			
Allocation Ratio			0.26	0.33	0.00	0.21	0.20				
ADJUSTMENT AMT PER UNIT			0.00	0.00	0.00	0.00	0.00	0			
ADJUSTED UNIT BURN			9551	12324	1	7823	7291	36989.38			
TOTAL BURN	Daily/Monthly Fuel Reporting							36,989.38			
	Monthly Operating Report										
TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION C								-36989.38			

DAILY/MONTHLY OIL REPORTING - MARCH 2012

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C NorthTank	South Tank	North & South Total Gallons
1	0.00	0.00	0.00	0.00	0.00	6.95	0.00	6.95	17221.09	18358.38	35579.47
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17218.65	18356.62	35575.27
3	0.00	0.00	0.00	0.00	2.97	0.00	0.00	2.97	17216.57	18355.72	35572.30
4	0.00	0.00	0.05	0.00	4393.50	0.00	3091.10	7484.65	13601.15	14461.65	28062.81
5	0.00	0.00	0.00	0.00	1607.82	0.00	2211.60	3819.42	11594.75	12616.87	24211.61
6	0.00	15470.00	0.00	0.00	0.00	33.51	1.70	35.21	19077.68	20078.08	39155.77
7	0.00	0.00	0.00	0.00	1.36	10.37	0.67	12.40	19135.01	20165.54	39300.55
8	0.00	0.00	0.00	0.00	0.00	0.03	0.55	0.58	19135.01	20165.54	39300.55
9	0.00	0.00	0.07	0.00	1379.51	7.93	1793.25	3180.76	17579.85	18539.94	36119.79
10	0.00	0.00	0.00	0.00	3199.35	14.80	2252.74	5466.89	14755.21	15897.69	30652.90
11	0.00	0.00	0.00	0.00	0.00	33.30	7.85	41.15	14853.62	15788.13	30641.75
12	0.00	0.00	0.00	0.00	0.00	0.07	0.96	1.03	14855.26	15806.39	30661.65
13	0.00	0.00	0.00	0.00	0.00	0.48	0.16	0.64	14862.19	15827.27	30689.46
14	0.00	0.00	0.00	0.00	0.00	0.12	1.46	1.58	14871.30	15837.87	30709.17
15	0.00	7535.00	0.00	0.00	0.98	4.98	2.12	8.08			0.00
16	0.00	0.00	0.00	0.00	0.00	4.76	0.00	4.76	16877.83	21308.78	38186.61
17	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.17	16874.28	21328.88	38203.16
18	0.00	0.00	0.00	0.00	0.00	10.47	0.00	10.47	16867.98	21324.81	38192.79
19	0.00	0.00	0.00	0.00	2072.58	1.68	1569.15	3643.41	16655.09	17894.19	34549.28
20	0.00	0.00	0.00	0.00	2492.05	0.31	3570.45	6062.81	13600.06	14886.41	28486.47
21	0.00	15032.00	0.00	0.00	0.00	5.41	91.84	97.25	21108.26	22312.95	43421.21
22	0.00	0.00	0.00	0.00	0.00	5.30	11.50	16.80	21264.07	22177.90	43441.97
23	0.00	0.00	0.00	0.75	0.00	19.63	2.75	23.13	21271.96	22191.83	43463.79
24	0.00	0.00	0.00	0.00	0.00	19.60	6.47	26.07	21254.22	27183.50	48437.72
25	0.00	0.00	0.00	0.00	0.00	27.64	0.38	28.02	21240.32	22169.38	43409.70
26	0.00	0.00	0.00	0.00	0.00	8.85	1.07	9.92	21240.66	22159.12	43399.78
27	0.00	0.00	0.00	0.00	0.00	33.56	14.53	48.09	21215.21	22136.48	43351.69
28	0.00	0.00	0.00	0.00	0.00	2.60	4.45	7.05	21224.40	22138.59	43362.99
29	0.00	0.00	0.00	0.00	0.00	3.03	3.75	6.78	21225.61	22148.18	43373.79
30	0.00							0.00			0.00
31	0.00	0.00						0.00			0.00
T		30157	0.12	.75	15150.12	255.55	14640.50	30,047.04			
Allocation Ratio			0.00	0.00	0.50	0.01	0.49				
ADJUSTMENT AMT PER UNIT			0.00	0.00	0.00	0.00	0.00	0			
ADJUSTED UNIT BURN			0		15150	256	14641	30047.04			
TOTAL BURN		Daily/Monthly Fuel Reporting						30,047.04			
		Monthly Operating Report									
TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION C								-30047.04			

DAILY/MONTHLY OIL REPORTING - APRIL 2012

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C NorthTank	South Tank	North & South Total Gallons
1	0.00	0.00	0.00	0.00	0.00	3.42	0.06	3.48	21206.40	22131.37	43337.77
2	0.00	0.00	0.00	0.00	1.50	0.00	2.99	4.49	21239.40	22093.87	43333.27
3	0.00	0.00	0.00	0.00	0.00	4.61	2.34	6.95	21237.22	22089.12	43326.33
4	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.77	21244.99	22098.14	43343.13
5	0.00	0.00	0.00	0.00	0.00	0.00	12.35	12.35	21236.15	22094.63	43330.78
6	0.00	0.00	0.00	0.00	0.00	0.00	44.92	44.92	21213.30	22072.56	43285.86
7	0.00	0.00	0.00	0.00	0.00	1.69	1.76	3.45	21213.76	22068.65	43282.41
8	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50	21221.53	22074.33	43295.86
9	0.00	0.00	0.00	0.00	0.00	0.00	12.44	12.44	21217.50	22076.23	43293.73
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21212.58	22068.71	43281.29
11	0.00	0.00	0.00	0.00	0.00	0.00	67.87	67.87	21179.13	22034.29	43213.42
12	0.00	0.00	0.00	0.00	0.17	0.00	1.93	2.10	21145.41	22101.78	43247.19
13	0.00	0.00	0.00	0.00	3.60	0.00	54.35	57.95	21167.32	22021.91	43189.23
14	0.00	0.00	0.00	0.00	0.00	0.00	69.35	69.35	21127.49	21992.39	43119.88
15	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.87	21166.18	21952.83	43119.01
16	0.00	0.00	0.00	0.00	0.00	18.71	0.91	19.62	21165.47	21957.46	43122.93
17	0.00	0.00	0.00	0.00	0.00	0.00	14.40	14.40	21149.92	21958.61	43108.53
18	0.00	0.00	0.00	0.00	0.00	0.00	39.06	39.06	21134.36	21935.12	43069.48
19	0.00	0.00	0.00	0.00	0.00	0.00	41.76	41.76	21114.85	21912.86	43027.71
20	0.00	0.00	0.00	0.00	0.00	0.00	13.40	13.40	21106.06	21908.25	43014.31
21	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.21	21111.22	21912.33	43023.55
22	0.00	0.00	0.00	0.00	0.00	34.17	0.29	34.46	21096.28	21892.83	42989.11
23	0.00	0.00	0.00	0.00	0.00	34.94	11.60	46.54	21073.51	21869.05	42942.56
24	0.00	0.00	0.00	0.00	0.00	0.00	130.46	130.46	21008.68	21803.43	42812.11
25	0.00	0.00	0.00	0.00	0.00	0.00	18.73	18.73	20994.95	21798.43	42793.37
26	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.20	20993.19	21800.70	42793.89
27	0.00	0.00	0.00	0.00	0.00	0.00	12.64	12.64	20990.55	21790.70	42781.25
28	0.00	0.00	0.00	0.00	0.00	50.77	81.14	131.91	20927.30	21722.03	42649.33
29	0.00	0.00	0.00	0.00	0.00	0.00	16.75	16.75	20912.26	21720.33	42632.59
30	0.00							0.00			0.00
31	0.00	0.00	0.00	0.00	0.00	37.54	25.99	63.53	20884.83	21684.23	42569.06
		0	0.00	0.00	5.27	185.85	681.04	872.16			
Allocation Ratio			-	-	0.01	0.21	0.78				
ADJUSTMENT AMT PER UNIT			0.00	0.00	0.00	0.00	0.00	0			
ADJUSTED UNIT BURN			0	0	5	186	681	872.16			
TOTAL BURN	Daily/Monthly Fuel Reporting							872.16			
	Monthly Operating Report										
TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION C								-872.16			

DAILY/MONTHLY OIL REPORTING - MAY 2012

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C NorthTank	South Tank	North & South Total Gallons
1	0.00	0.00	0.00	0.00	0.00	0.00	2.09	2.09	20891.68	21688.28	42579.96
2	0.00	0.00	8.26	886.17	0.00	4101.49	2.66	4998.58	18370.38	19210.97	37581.35
3	0.00	0.00	17.86	6788.55	0.00	10297.96	2.68	17107.05	9754.00	10720.31	20474.31
4	0.00	15001.00	0.00	201.00	687.09	275.19	530.00	1693.28	13958.68	15057.87	29016.55
5	0.00	0.00	0.00	1778.31	0.01	4.20	10.70	1793.22	13083.28	14140.05	27223.33
6	0.00	0.00	0.00	0.00	0.00	0.00	47.71	47.71	13075.23	14100.69	27175.92
7	0.00	7510.00	0.00	0.00	879.29	0.00	517.77	1397.06	15953.65	17084.23	33037.88
8	0.00	7206.00	0.00	0.00	0.00	0.00	13.16	13.16	19571.60	20639.04	40210.64
9	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.50	19593.06	20663.19	40256.25
10	0.00	0.00	0.00	0.00	0.00	32.44	12.00	44.44	19670.13	20541.67	40211.80
11	0.00	0.00	0.00	0.00	684.93	0.00	10.88	695.81	19366.47	20149.52	39515.99
12	0.00	0.00	0.00	0.00	0.00	34.70	6.67	41.37	19340.81	20133.80	39474.61
13	0.00	0.00	0.00	0.00	0.00	0.00	31.55	31.55	19323.03	20120.03	39443.06
14	0.00	0.00	0.00	0.00	0.00	7.94	73.39	81.33	19278.88	20082.86	39361.74
15	0.00	0.00	0.00	0.00	457.32	0.00	482.92	940.24	18806.69	19614.80	38421.49
16	0.00	0.00	0.00	0.00	243.87	0.00	49.25	293.12	18651.80	19476.57	38128.37
17	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.45	18657.16	19470.77	38127.93
18	0.00	0.00	0.00	0.00	0.00	0.00	14.55	14.55	18649.94	19463.45	38113.39
19	0.00	0.00	0.00	0.00	0.00	11.41	3.47	14.88	18643.34	19455.16	38098.50
20	0.00	0.00	0.00	0.00	0.00	1.43	0.18	1.61	18638.78	19458.11	38096.89
21	0.00	0.00	0.00	0.00	0.00	0.21	1.26	1.47	18641.88	19453.54	38095.42
22	0.00	0.00	0.00	0.00	0.00	0.93	1.79	2.72	18640.74	19451.96	38092.70
23	0.00	0.00	0.00	0.00	0.00	1.48	7.44	8.92	18633.95	19449.83	38083.78
24	0.00	0.00	0.00	0.00	0.00	0.00	36.95	36.95	18613.01	19433.82	38046.83
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18619.62	19443.07	38062.69
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18620.81	19447.74	38068.55
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18628.53	19451.93	38080.46
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18632.62	19455.23	38087.85
29	0.00	0.00	0.00	0.00	0.00	0.00	26.17	26.17	18620.64	19441.04	38061.68
30	0.00	0.00	0.01	0.00	0.08	0.00	7.88	7.97	18510.78	19622.65	38133.43
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18498.37	19611.85	38110.22
		29717	26.13	9654.03	2952.69	14769.38	1894.07	29,296.20			

Allocation Ratio		0.00	0.33	0.10	0.50	0.06
ADJUSTMENT AMT PER UNIT		0.00	0.00	0.00	0.00	0.00
ADJUSTED UNIT BURN		26	9654	2953	14769	1894
TOTAL BURN	Daily/Monthly Fuel Reporting					
	Monthly Operating Report					
	TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION C...					

0	
29296.2	
29,296.20	
-29296.2	

DAILY/MONTHLY OIL REPORTING - JUNE 2012

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C NorthTank	South Tank	North & South Total Gallons
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18488.63	19604.14	38092.77
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18482.06	19602.98	38085.04
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18476.51	19598.73	38075.24
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18471.17	19593.90	38065.07
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18465.72	19588.87	38054.59
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18461.85	19583.30	38045.15
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18458.35	19579.35	38037.70
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18456.65	19546.49	38003.14
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18453.69	19572.94	38026.63
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18450.80	19569.73	38020.53
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18448.83	19566.79	38015.62
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18445.17	19563.46	38008.63
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18444.26	19561.35	38005.61
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18440.83	19558.02	37998.85
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18435.01	19549.27	37984.28
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18437.27	19551.44	37988.71
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18435.01	19549.27	37984.28
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18433.15	19547.24	37980.39
19	0.00	0.00	0.13	1039.65	0.00	4.05	128.59	1172.42	17787.79	19020.17	36807.96
20	0.00	7859.00	2065.48	5714.19	2960.81	0.05	4794.10	15534.63	10203.99	11069.33	21273.33
21	0.00	16184.70	0.02	1540.82	0.00	0.08	1.29	1542.21	16924.22	17819.05	34743.27
22	0.00	0.00	701.73	721.48	0.38	0.09	8.40	1432.08	16144.04	17167.13	33311.17
23	0.00	0.00	0.00	0.00	0.47	0.25	4.91	5.63	16126.84	17219.78	33346.62
24	0.00	0.00	0.00	0.00	0.00	0.05	22.91	22.96	16110.51	17213.15	33323.66
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16102.07	17208.98	33311.05
26	0.00	0.00	0.00	0.00	0.00	0.15	6.31	6.46	16092.74	17211.85	33304.59
27	0.00	0.00	0.00	0.00	0.00	0.00	158.48	158.48	16034.95	17111.15	33146.10
28	0.00	7382.00	0.00	0.00	4875.25	0.01	5247.76	10123.02	1105.38	11917.70	13023.08
29	0.00	6752.00	2846.10	3900.15	0.10	0.00	5.64	6751.99	14615.06	15486.51	30101.57
30	0.00	3378.12	1683.71	1128.74	0.00	0.00	565.67	3378.12	12891.87	13831.58	26723.45
		41656.82	7297.17	14045.03	7837.01	4.73	10944.06	40,128.00			
Allocation Ratio			0.18	0.35	0.20	0.00	0.27				
ADJUSTMENT AMT PER UNIT			0.00	0.00	0.00	0.00	0.00	0			
ADJUSTED UNIT BURN			7297	14045	7837	5	10944	40128			
TOTAL BURN	Daily/Monthly Fuel Reporting							40,128.00			
	Monthly Operating Report										
TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION C								-40128			

DAILY/MONTHLY OIL REPORTING - JULY 2012

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C NorthTank	South Tank	North & South Total Gallons
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12529.54	13572.45	26101.99
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12589.83	13502.02	26091.85
3	0.00	15172.00	0.00	0.00	0.00	0.00	600.25	600.25	20235.84	21096.37	41332.21
4	0.00	0.00	0.00	0.00	0.00	0.00	600.25	600.25	20217.02	21143.04	41360.05
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	7899.00	789.31	1198.74	0.00	0.00	0.98	1989.03	18889.61	19774.74	38664.35
7	0.00	0.00	0.00	0.00	0.00	0.00	4.95	4.95	18892.61	19766.79	38659.40
8	0.00	0.00	0.13	0.00	0.81	0.00	13.25	14.19	18796.04	19849.71	38645.75
9	0.00	0.00	0.00	0.00	0.00	0.00	44.38	44.38	18768.10	19832.73	38600.83
10	0.00	0.00	0.00	0.00	0.00	0.00	32.95	32.95	18749.60	19818.28	38567.88
11	0.00	0.00	0.00	0.00	0.00	24.27	0.70	24.97	18736.11	19806.80	38542.91
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18724.92	19797.82	38522.74
13	0.00	7434.00	0.00	0.00	0.00	0.00	0.00	0.00	18715.05	19791.00	38506.05
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21151.88	25228.81	46380.69
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22623.33	23562.75	46186.08
16	0.00	0.00	3222.51	4235.82	4926.45	6273.11	4182.63	22840.52	11138.19	12207.36	23345.55
17	0.00	14846.00	2657.32	2105.46	1357.85	0.00	6354.67	12475.30	12237.45	13478.82	25716.27
18	0.00	0.00	2478.38	3368.43	0.05	37.13	0.61	5884.60	9371.22	10460.45	19831.67
19	0.00	7826.00	1564.78	1749.84	0.00	0.00	0.00	3314.62	11601.10	12741.73	24342.83
20	0.00	15181.00	0.21	0.00	2.46	194.18	12.29	209.14	19144.34	20208.20	39352.54
21	0.00	0.00	0.00	0.00	0.00	133.39	0.00	133.39	19143.73	20225.70	39369.43
22	0.00	0.00	0.00	0.00	0.00	118.44	0.00	118.44	19128.69	20122.31	39251.00
23	0.00	0.00	4741.42	4433.56	0.00	16.06	0.01	9191.05	14417.85	15642.10	30059.95
24	0.00	0.00	0.00	0.00	0.00	17.89	0.05	17.94	22412.44	23348.12	45760.56
25	0.00	0.00	0.12	0.33	324.54	465.74	98.38	889.11	21946.36	22925.07	44871.43
26	0.00	0.00	3789.46	3565.75	4787.54	5258.91	2520.94	19922.60	11965.82	12983.02	24948.84
27	0.00	0.00	1191.01	1046.56	0.00	2.12	0.00	2239.69	18270.03	19400.87	37670.90
28	0.00	0.00	0.02	0.00	0.48	143.19	0.02	143.71	18334.76	19392.64	37727.40
29	0.00	0.00	0.00	0.00	0.00	32.69	0.00	32.69	18324.40	19370.32	37694.72
30	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.11	18336.80	19394.40	37731.20
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18329.54	19389.01	37718.55
		68358.00	20434.37	21704.49	11400.18	12717.12	14467.42	80,723.88			

Allocation Ratio		0.25	0.27	0.14	0.16	0.18
ADJUSTMENT AMT PER UNIT		0.00	0.00	0.00	0.00	0.00
ADJUSTED UNIT BURN		20435	21704	11400	12717	14467
TOTAL BURN	Daily/Monthly Fuel Reporting					80,723.88
	Monthly Operating Report					
TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION C						-80723.88

DAILY/MONTHLY OIL REPORTING - August 2012

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C NorthTank	South Tank	North & South Total Gallons
1	0.00	0.00	3573.47	0.00	0.00	1.67	0.00	3575.14	16510.25	17633.15	34143.40
2	0.00	0.00	0.00	0.00	0.00	0.00	6.05	6.05	16620.79	17575.63	34196.42
3	0.00	0.00	655.95	6238.21	0.00	3.52	0.05	6897.73	13089.04	14209.65	27298.69
4	0.00	14823.00	0.00	0.00	0.00	0.00	9.49	9.49	20440.29	21743.36	42183.65
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20434.08	21752.98	42187.06
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20428.44	21752.48	42180.92
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20423.81	21749.63	42173.44
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20420.27	21748.04	42168.31
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20415.17	21745.01	42160.18
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20412.74	21745.75	42158.49
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20411.09	21746.16	42157.25
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20406.51	21743.92	42150.43
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20402.26	21741.50	42143.76
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20399.71	21740.82	42140.53
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20397.31	21739.81	42137.12
16	0.00	0.00	0.38	0.00	1056.37	1625.13	2.77	2684.65	19265.88	20186.59	39452.47
17	0.00	0.00	0.00	0.00	4084.79	4689.30	4199.92	12974.01	12461.42	14017.05	26478.47
18	0.00	7458.00	0.50	0.00	169.48	2231.39	65.46	2466.83	15209.72	16259.93	31469.65
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15196.16	16320.54	31516.70
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15191.26	16312.95	31504.22
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15184.99	16296.03	31481.02
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15180.92	16294.21	31475.13
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15162.89	16286.16	31449.05
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15163.86	16300.91	31464.77
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15160.52	16300.25	31460.77
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15158.80	16297.06	31455.86
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15158.31	16290.47	31448.78
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15158.97	16293.46	31452.43
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15155.07	16291.16	31446.23
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15070.22	16220.14	31290.36
31	0.00	0.00	1796.53	8005.37	0.04	2.01	3.13	9807.08	10224.30	11258.97	21483.27
		22281.00	6028.33	14243.58	5310.68	8553.02	4286.87	38,420.98			

Allocation Ratio		0.16	0.37	0.14	0.22	0.11
ADJUSTMENT AMT PER UNIT		0.00	0.00	0.00	0.00	0.00
ADJUSTED UNIT BURN		6027	14244	5311	8553	4287
TOTAL BURN	Daily/Monthly Fuel Reporting					38,420.98
	Monthly Operating Report					
TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION C						-38420.98

DAILY/MONTHLY OIL REPORTING - September 2012

DAY	OIL TRANSF GALLONS	OIL REC'D GALLONS	UNIT 1 BURN	UNIT 2 BURN	UNIT 3 BURN	UNIT 4 BURN	UNIT 5 BURN	TOTAL BURN C-P20-TKNS	TANK LEVELS STA C NorthTank	South Tank	North & South Total Gallons
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10222.98	11310.43	21533.41
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10220.43	11308.21	21528.64
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10217.83	11305.20	21523.03
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10219.92	11303.63	21523.55
5	0.00	7421.00	4468.07	0.00	0.00	0.00	0.00	4468.07	11708.41	12768.07	24476.48
6	0.00	7735.00	106.74	6688.73	0.09	1.53	0.00	6797.09	12158.92	13255.47	25414.39
7	0.00	0.00	23.74	2241.18	0.00	0.00	0.00	2264.92	11035.55	12113.91	23149.46
8	0.00	0.00	0.41	0.00	0.26	0.90	0.00	1.57	11039.39	12117.09	23156.48
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11033.72	12113.38	23147.10
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11030.00	12111.79	23141.79
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11026.79	12110.64	23137.43
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11025.01	12109.75	23134.76
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11023.09	12108.75	23131.84
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11021.23	12110.04	23131.27
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11020.12	12114.80	23134.92
16	0.00	0.00	0.38	0.00	0.00	0.00	0.00	0.38	11017.90	12116.13	23134.03
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11016.63	12116.37	23133.00
18	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.50	11014.80	12117.11	23131.91
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11014.12	12117.00	23131.12
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11012.25	12116.48	23128.73
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11011.10	12115.48	23126.58
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11009.04	12117.12	23126.16
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11008.44	12117.86	23126.30
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11006.43	12116.08	23122.51
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11005.37	12114.46	23119.83
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11003.96	12112.70	23116.66
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11002.80	12111.19	23113.99
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11001.91	12111.19	23113.11
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11000.27	12109.65	23109.92
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10999.67	12108.61	23108.28
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00
		15156.00	4599.84	8929.91	0.35	2.43	0.00	13,532.53			
Allocation Ratio			0.34	0.66	0.00	0.00	-				
ADJUSTMENT AMT PER UNIT			0.00	0.00	0.00	0.00	0.00	0			
ADJUSTED UNIT BURN			4600	8930	0	2	0	13532.53			
TOTAL BURN			Daily/Monthly Fuel Reporting					13,532.53			
			Monthly Operating Report								
TOTAL ADJUSTMENT(s) MADE TO FUELWORX - STATION C								-13532.53			

Notes For
Case #: DEM2012-00105

1400 N ROYAL ST

Updated Date	By	Notes
12/3/2012	LXF	1301. 5 Tanks abandoned or removed - All exterior above-grade fill piping shall be removed when tanks are abandoned or removed. Tank abandonment and removal shall be in accordance with section 3404.2.13 of the International Fire Code. 3404.2.14.1 Removal of above-ground and underground tanks shall be in accordance with all of the following: 1. Flammable and combustible liquids shall be removed from the tank and connected piping. 2. Piping at tank openings that is not to be used further shall be disconnected. 3. Piping shall ne removed from the ground. 4. Tank openings shall be capped or plugged, leaving a 0.125 inch to ¼ inch diameter opening for pressure equalization. 5. Tanks shall be purged of vapor and inverted prior to removal. 6. All exterior above-grade fill and vent piping shall be permanently removed. 3404.2.14.2 Disposal - Tanks shall be disposed of in accordance with federal, state and local regulations.

Alexandria Fire Department

POLICY		
Subject:	Underground Storage Tank Removals	**Policy #** CODE 2009-001
Approved:	John Catlett, Director	**Date:** April 1, 2009

1. **PURPOSE**

1.1 To establish policy regarding the permitting, inspection and removal of underground flammable or combustible liquid storage tanks.

2. **AUTHORITY**

2.1 Section 202 of the Uniform Statewide Building Code (USBC) defines storage tanks as a structure.

2.2 Section 108.1 of the USBC requires an application for permit for the construction or demolition of a building or structure.

2.3 Section 3404.2.14.1 and 3404.2.14.2 of the Virginia Statewide Fire Prevention Code (VSFPC) addresses the requirements for removal and disposal of above ground and underground flammable and combustible liquid storage tanks.

2.4 Chapter 580 of the Virginia Administrative Code (VAC) (9VAC25-580) contains the Department of Environmental Quality Regulations for Underground Storage Tanks: "Technical Standards and Corrective Action Requirements".

3. **APPLICABILITY**

3.1 This policy shall apply to owners and operators of all underground flammable or combustible liquid storage tanks except as provided below (9VAC25-580-20):

- Any underground storage tanks (UST) whose capacity is less than 110 gallons **unless it is leaking**;

- Equipment or machinery that contains regulated substances for operational purposes such as hydraulic fork lifts and electrical tanks **unless it is leaking**; or

- Any wastewater treatment tank system that is part of a wastewater treatment facility.

4. REQUIRED PERMITS

4.1 A demolition permit is required from the Code Official;

4.2 The Department of Transportation and Environmental Services (T&ES) requires an approved erosion control plan if the total land disturbance for the tank removal exceeds 2,500 square feet.

4.3 Section 107.2 of the VSFPC requires a permit for the installation, removal, abandonment, placed temporarily out of service, or otherwise dispose of an underground or aboveground flammable or combustible liquid storage tank. For the purpose of this policy, the demolition permit shall constitute meeting the VSFPC permit requirements for removal of underground or aboveground storage tanks.

4.4 A Fire Prevention Permit (FPP) shall be obtained for the abandonment of an underground flammable or combustible storage tank(s) in place.

5. PROCEDURES

5.1 Procedures for Removal of Underground Storage Tanks

5.1.1 Contractor shall disconnect and remove all suction, venting, inlet, gauging and electrical lines.

5.1.2 Contractor shall remove all flammable or combustible material from the tank(s). Any waste material shall be treated as hazardous waste and shall be disposed of in accordance with applicable Local, State and Federal regulations.

5.1.3 Contractor shall clean the tank(s) and remove any remaining product and debris. All vapors shall be purged from the tank(s) in an approved manner.

5.1.4 Contractor shall remove tank and piping from ground and call for field inspection.

5.1.5 A New Construction Inspector shall inspect tank and opening to ensure proper removal of tank and all components.

5.1.6 A New Construction Inspector shall witness the taking of no less than three soil samples by the contractor. The soil samples shall be taken as follows:

- Sample 1 should contain random sampling from two walls of the excavation.
- Sample 2 should be obtained from the remaining two walls.
- Sample 3 should be from the bottom of the excavation, preferably at the lowest point.

5.1.7 Soil samples shall be submitted to the Virginia Department of Environmental Quality (VDEQ) for analysis. Samples shall be submitted by the contractor.

5.1.8 A copy of the analysis report from VDEQ shall be provided to the New Construction Inspector for review.

5.1.9 Should the VDEQ indicate no further remediation is necessary, the test results will be noted in Permit Plan and the Demolition Permit will be closed.

5.1.10 Should the VDEQ indicate areas of soil contamination, the Fire Prevention Office will be notified and all applicable requirements provided in Section 6, "Procedures for Leaking Tanks" in this policy shall be followed. New Construction and Fire Prevention staff shall coordinate and work jointly toward resolution of each leaking tank incident. All inspection and remediation activity will be tracked under the Demolition Permit number.

5.1.11 Upon successful remediation of the site, the results will be recorded in the Demolition Permit and the case will be closed.

5.1.12 Disposal of USTs shall be in accordance with all applicable local, State and Federal regulations.

5.2 Procedures for abandonment of tank(s) in place.

5.2.1 The applicant must provide proof that the tank(s) have been tested for tightness within ninety days of the date of application for abandonment and certify by way of testing certification that the tank(s) are not leaking.

5.2.2 The applicant shall demonstrate that removal of the tank(s) would jeopardize the structural integrity of a building or portion thereof. This information must be verified by way of a field inspection by a New Construction inspector or a Fire Inspector from the Office of

Building and Fire Code Administration (OBAFCA)

5.2.3 **In No case shall a leaking underground storage tank be permitted to be abandoned in place.**

5.2.4 Once the above conditions are satisfied, the applicant may be permitted to process the following abandonment procedures:

5.2.4.1 Disconnect and remove all suction, venting, inlet, gauging and electrical lines.

5.2.4.2 Remove all flammable or combustible material from the tank(s) and connected piping. Any waste material shall be treated as hazardous waste and shall be disposed of in accordance with applicable Local, State and Federal regulations.

5.2.4.3 Clean the tank(s) and remove any remaining product and debris. All vapors shall be purged from the tank(s) in an approved manner.

5.2.4.4 Upon inspection and verification of the above procedures by an inspector, the applicant may be permitted to proceed with filling the tank with an inert, solid material. (Exception: Residential heating oil tanks of 1,100 gallons or less, provided the fill line is permanently removed to a point below grade to prevent refilling the tank. Remaining underground piping shall be capped or plugged. All above grade fill piping shall be permanently removed when tanks are abandoned or removed.) [2006 IFC 3404.2.13.1.4 (3), (4) &(5)]

5.2.4.5 An inspector shall document the exact size, location, date and method of abandonment in Permit Plan.

6. PROCEDURES FOR LEAKING TANKS

6.1 In the event an underground tank is found to be leaking the following procedures shall be observed:

6.1.1 The owner or operator of the tank must immediately notify the following agencies:

- The Alexandria Fire Department (703) 838-4660
- The Virginia Department of Environmental Quality (703) 583-3800 (If after normal business hours contact the Virginia

Department of Emergency Services at 1-800-468-8892

- Department of Transportation and Environmental Services – Environmental Quality Office (703) 838-4334

6.1.2 A Fire Inspector or Fire Marshal shall be dispatched to the site location and shall issue a Notice of Violation to the responsible party which shall require compliance with the following subsections of this policy.

6.1.3 After notifications are made, the owner or operator shall make immediate arrangements to have all remaining product in the tank(s) removed.

6.1.4 The tank(s) shall be purged of all flammable or combustible vapors in an approved manner approved by the Director of the Office of Building and Fire Code Administration.

6.1.5 The owner or operator shall take a minimum of three soil samples from the affected area to determine the extent of the leak and subsequent soil contamination. If the leak is more widespread, additional soil samples may be required to determine the full extent of the contamination.

6.1.6 A soil remediation plan must be submitted to and approved by the Director of the Office of Building and Fire Code Administration, the Director of Transportation and Environmental Services and the Virginia Department of Environmental Quality.

6.1.7 The owner or operator of the leaking tank(s) shall be responsible for all contaminated soil removal and disposal irrespective of property ownership.

6.1.8 In the event the responsible party lacks the capability or intent to perform countermeasures, they shall have reasonable opportunity to elect either to contract with another for the performance of these countermeasures or to join the City in contract for such work.

6.1.9 If the responsible party fails to inform the City of their election within the time frame specified in the issued Notice of Violation, the City may proceed without delay to undertake the required countermeasures, and to charge the owner, tenant or other person in control of the premises for the entire cost of such work. (VSFPC 2703.3.1.4)

7. CANCELLATIONS

7.1 April 26, 1998 policy memorandum "Required Soil Samplings for Underground Storage Tank Closures"

7.2 November 29, 1999 policy memorandum "Code Enforcement Policy for Closure of Underground Flammable or Combustible Liquid Storage Tanks"

Appendix B
Photographic Documentation

URS

PHOTOGRAPHIC LOG

Client Name:	Site Location:	Project No.
NRG Energy	Potomac River Generating Station 1400 North Royal Street, Alexandria, Virginia	15303297

Photo No. 1	Date: 2-19-13

Location:

Car Dumper Area

Description:

Excavation of the 4,000-gallon kerosene UST.

Photo No. 2	Date: 2-19-13

Location:

Car Dumper Area

Description:

4,000-gallon kerosene UST in staging area after removal from the ground.

Appendix C
Laboratory Analytical Reports

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-20082-1
TestAmerica Sample Delivery Group: Alexandria, VA
Client Project/Site: NRG Energy

For:
URS Corporation
12420 Milestone Center Drive
Ste 150
Germantown, Maryland 20876

Attn: Ms. Adriane Rogers

Cathy Gartner

Authorized for release by:
2/27/2013 2:50:52 PM

Cathy Gartner
Project Manager I
cathy.gartner@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: URS Corporation
Project/Site: NRG Energy

TestAmerica Job ID: 490-20082-1
SDG: Alexandria, VA

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-20082-1	SW1	Soil	02/19/13 11:10	02/20/13 08:20
490-20082-2	SW2	Soil	02/19/13 11:05	02/20/13 08:20
490-20082-3	SW3	Soil	02/19/13 11:00	02/20/13 08:20
490-20082-4	SW4	Soil	02/19/13 11:15	02/20/13 08:20
490-20082-5	SW5	Soil	02/19/13 11:45	02/20/13 08:20
490-20082-6	SW6	Soil	02/19/13 13:02	02/20/13 08:20
490-20082-7	FS1	Soil	02/19/13 11:20	02/20/13 08:20
490-20082-8	FS2	Soil	02/19/13 11:28	02/20/13 08:20

Job ID: 490-20082-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-20082-1

Comments
No additional comments.

Receipt
The samples were received on 2/20/2013 8:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was -0.3º C.

Except:

The Chain of Custody was received without analysis selected.

GC/MS VOA
Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: SW1 (490-20082-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 60628 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

GC VOA
Method(s) 8015B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 61066.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 60502.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
F	MS or MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: URS Corporation
Project/Site: NRG Energy

TestAmerica Job ID: 490-20082-1
SDG: Alexandria, VA

Client Sample ID: SW1

Date Collected: 02/19/13 11:10
Date Received: 02/20/13 08:20

Lab Sample ID: 490-20082-1

Matrix: Soil
Percent Solids: 82.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00203		mg/Kg	☼	02/21/13 15:27	02/23/13 17:17	1
Ethylbenzene	ND		0.00203		mg/Kg	☼	02/21/13 15:27	02/23/13 17:17	1
Methyl tert-butyl ether	ND		0.00203		mg/Kg	☼	02/21/13 15:27	02/23/13 17:17	1
Toluene	ND		0.00203		mg/Kg	☼	02/21/13 15:27	02/23/13 17:17	1
Xylenes, Total	**0.00514**		0.00507		mg/Kg	☼	02/21/13 15:27	02/23/13 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*120*		*70 - 130*	*02/21/13 15:27*	*02/23/13 17:17*	*1*
Toluene-d8 (Surr)	*71*		*70 - 130*	*02/21/13 15:27*	*02/23/13 17:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*70 - 130*	*02/21/13 15:27*	*02/23/13 17:17*	*1*
4-Bromofluorobenzene (Surr)	*233*	*X*	*70 - 130*	*02/21/13 15:27*	*02/23/13 17:17*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	**358**		6.55		mg/Kg	☼	02/21/13 15:27	02/26/13 10:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*111*		*50 - 150*	*02/21/13 15:27*	*02/26/13 10:27*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**738**		49.4		mg/Kg	☼	02/22/13 11:17	02/25/13 14:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*60*		*50 - 150*	*02/22/13 11:17*	*02/25/13 14:06*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18**		0.10		%			02/21/13 15:37	1
Percent Solids	**82**		0.10		%			02/21/13 15:37	1

Client Sample Results

Client: URS Corporation
Project/Site: NRG Energy

TestAmerica Job ID: 490-20082-1
SDG: Alexandria, VA

Client Sample ID: SW2

Date Collected: 02/19/13 11:05
Date Received: 02/20/13 08:20

Lab Sample ID: 490-20082-2

Matrix: Soil
Percent Solids: 82.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00227		mg/Kg	☼	02/21/13 15:27	02/23/13 17:47	1
Ethylbenzene	ND		0.00227		mg/Kg	☼	02/21/13 15:27	02/23/13 17:47	1
Methyl tert-butyl ether	ND		0.00227		mg/Kg	☼	02/21/13 15:27	02/23/13 17:47	1
Toluene	ND		0.00227		mg/Kg	☼	02/21/13 15:27	02/23/13 17:47	1
Xylenes, Total	ND		0.00567		mg/Kg	☼	02/21/13 15:27	02/23/13 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*109*		*70 - 130*	*02/21/13 15:27*	*02/23/13 17:47*	*1*
Toluene-d8 (Surr)	*74*		*70 - 130*	*02/21/13 15:27*	*02/23/13 17:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*70 - 130*	*02/21/13 15:27*	*02/23/13 17:47*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*02/21/13 15:27*	*02/23/13 17:47*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		6.06		mg/Kg	☼	02/21/13 15:27	02/26/13 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*98*		*50 - 150*	*02/21/13 15:27*	*02/26/13 15:26*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**31.1**		4.98		mg/Kg	☼	02/22/13 11:17	02/24/13 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*65*		*50 - 150*	*02/22/13 11:17*	*02/24/13 20:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17**		0.10		%			02/21/13 15:37	1
Percent Solids	**83**		0.10		%			02/21/13 15:37	1

Client Sample Results

Client: URS Corporation
Project/Site: NRG Energy

TestAmerica Job ID: 490-20082-1
SDG: Alexandria, VA

Client Sample ID: SW3

Date Collected: 02/19/13 11:00
Date Received: 02/20/13 08:20

Lab Sample ID: 490-20082-3

Matrix: Soil
Percent Solids: 84.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00218		mg/Kg	☼	02/21/13 15:27	02/23/13 18:17	1
Ethylbenzene	ND		0.00218		mg/Kg	☼	02/21/13 15:27	02/23/13 18:17	1
Methyl tert-butyl ether	ND		0.00218		mg/Kg	☼	02/21/13 15:27	02/23/13 18:17	1
Toluene	ND		0.00218		mg/Kg	☼	02/21/13 15:27	02/23/13 18:17	1
Xylenes, Total	ND		0.00544		mg/Kg	☼	02/21/13 15:27	02/23/13 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*109*		*70 - 130*	*02/21/13 15:27*	*02/23/13 18:17*	*1*
Toluene-d8 (Surr)	*70*		*70 - 130*	*02/21/13 15:27*	*02/23/13 18:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*70 - 130*	*02/21/13 15:27*	*02/23/13 18:17*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*02/21/13 15:27*	*02/23/13 18:17*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		5.92		mg/Kg	☼	02/21/13 15:27	02/26/13 11:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*92*		*50 - 150*	*02/21/13 15:27*	*02/26/13 11:00*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		5.00		mg/Kg	☼	02/22/13 11:17	02/24/13 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*54*		*50 - 150*	*02/22/13 11:17*	*02/24/13 20:39*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16**		0.10		%			02/21/13 15:37	1
Percent Solids	**84**		0.10		%			02/21/13 15:37	1

Client Sample Results

Client: URS Corporation
Project/Site: NRG Energy

TestAmerica Job ID: 490-20082-1
SDG: Alexandria, VA

Client Sample ID: SW4

Date Collected: 02/19/13 11:15
Date Received: 02/20/13 08:20

Lab Sample ID: 490-20082-4

Matrix: Soil
Percent Solids: 90.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00193		mg/Kg	☼	02/21/13 15:27	02/23/13 18:47	1
Ethylbenzene	ND		0.00193		mg/Kg	☼	02/21/13 15:27	02/23/13 18:47	1
Methyl tert-butyl ether	ND		0.00193		mg/Kg	☼	02/21/13 15:27	02/23/13 18:47	1
Toluene	ND		0.00193		mg/Kg	☼	02/21/13 15:27	02/23/13 18:47	1
Xylenes, Total	ND		0.00483		mg/Kg	☼	02/21/13 15:27	02/23/13 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*70 - 130*	*02/21/13 15:27*	*02/23/13 18:47*	*1*
Toluene-d8 (Surr)	*77*		*70 - 130*	*02/21/13 15:27*	*02/23/13 18:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 130*	*02/21/13 15:27*	*02/23/13 18:47*	*1*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/21/13 15:27*	*02/23/13 18:47*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	**21.3**		5.26		mg/Kg	☼	02/21/13 15:27	02/26/13 11:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*107*		*50 - 150*	*02/21/13 15:27*	*02/26/13 11:33*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**16.4**		4.90		mg/Kg	☼	02/22/13 11:17	02/24/13 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*50*		*50 - 150*	*02/22/13 11:17*	*02/24/13 20:55*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.9**		0.10		%			02/21/13 15:37	1
Percent Solids	**90**		0.10		%			02/21/13 15:37	1

Client Sample Results

Client: URS Corporation
Project/Site: NRG Energy

TestAmerica Job ID: 490-20082-1
SDG: Alexandria, VA

Client Sample ID: SW5

Date Collected: 02/19/13 11:45
Date Received: 02/20/13 08:20

Lab Sample ID: 490-20082-5

Matrix: Soil
Percent Solids: 85.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00213		mg/Kg	☼	02/21/13 15:27	02/23/13 19:18	1
Ethylbenzene	ND		0.00213		mg/Kg	☼	02/21/13 15:27	02/23/13 19:18	1
Methyl tert-butyl ether	ND		0.00213		mg/Kg	☼	02/21/13 15:27	02/23/13 19:18	1
Toluene	ND		0.00213		mg/Kg	☼	02/21/13 15:27	02/23/13 19:18	1
Xylenes, Total	ND		0.00532		mg/Kg	☼	02/21/13 15:27	02/23/13 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*70 - 130*	*02/21/13 15:27*	*02/23/13 19:18*	*1*
Toluene-d8 (Surr)	*73*		*70 - 130*	*02/21/13 15:27*	*02/23/13 19:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*	*02/21/13 15:27*	*02/23/13 19:18*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*02/21/13 15:27*	*02/23/13 19:18*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		5.68		mg/Kg	☼	02/21/13 15:27	02/26/13 12:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*98*		*50 - 150*	*02/21/13 15:27*	*02/26/13 12:07*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**7.31**		4.96		mg/Kg	☼	02/22/13 11:17	02/24/13 21:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*62*		*50 - 150*	*02/22/13 11:17*	*02/24/13 21:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14**		0.10		%			02/21/13 15:37	1
Percent Solids	**86**		0.10		%			02/21/13 15:37	1

Client Sample Results

Client: URS Corporation
Project/Site: NRG Energy

TestAmerica Job ID: 490-20082-1
SDG: Alexandria, VA

Client Sample ID: SW6

Date Collected: 02/19/13 13:02
Date Received: 02/20/13 08:20

Lab Sample ID: 490-20082-6

Matrix: Soil
Percent Solids: 91.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00205		mg/Kg	☼	02/21/13 15:27	02/23/13 19:48	1
Ethylbenzene	**0.0353**		0.00205		mg/Kg	☼	02/21/13 15:27	02/23/13 19:48	1
Methyl tert-butyl ether	**0.00680**		0.00205		mg/Kg	☼	02/21/13 15:27	02/23/13 19:48	1
Toluene	**0.0147**		0.00205		mg/Kg	☼	02/21/13 15:27	02/23/13 19:48	1
Xylenes, Total	**0.251**		0.00513		mg/Kg	☼	02/21/13 15:27	02/23/13 19:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*70 - 130*	*02/21/13 15:27*	*02/23/13 19:48*	*1*
Toluene-d8 (Surr)	*75*		*70 - 130*	*02/21/13 15:27*	*02/23/13 19:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*	*02/21/13 15:27*	*02/23/13 19:48*	*1*
4-Bromofluorobenzene (Surr)	*70*		*70 - 130*	*02/21/13 15:27*	*02/23/13 19:48*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	**123**		5.72		mg/Kg	☼	02/21/13 15:27	02/26/13 12:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*108*		*50 - 150*	*02/21/13 15:27*	*02/26/13 12:40*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**46.5**		4.83		mg/Kg	☼	02/22/13 11:17	02/24/13 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*67*		*50 - 150*	*02/22/13 11:17*	*02/24/13 21:28*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.4**		0.10		%			02/21/13 15:37	1
Percent Solids	**92**		0.10		%			02/21/13 15:37	1

Client Sample Results

Client: URS Corporation
Project/Site: NRG Energy

TestAmerica Job ID: 490-20082-1
SDG: Alexandria, VA

Client Sample ID: FS1

Date Collected: 02/19/13 11:20
Date Received: 02/20/13 08:20

Lab Sample ID: 490-20082-7

Matrix: Soil
Percent Solids: 88.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00214		mg/Kg	☼	02/21/13 15:27	02/23/13 20:18	1
Ethylbenzene	ND		0.00214		mg/Kg	☼	02/21/13 15:27	02/23/13 20:18	1
Methyl tert-butyl ether	ND		0.00214		mg/Kg	☼	02/21/13 15:27	02/23/13 20:18	1
Toluene	ND		0.00214		mg/Kg	☼	02/21/13 15:27	02/23/13 20:18	1
Xylenes, Total	ND		0.00535		mg/Kg	☼	02/21/13 15:27	02/23/13 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*70 - 130*	*02/21/13 15:27*	*02/23/13 20:18*	*1*
Toluene-d8 (Surr)	*80*		*70 - 130*	*02/21/13 15:27*	*02/23/13 20:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*	*02/21/13 15:27*	*02/23/13 20:18*	*1*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*02/21/13 15:27*	*02/23/13 20:18*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	**26.3**		6.34		mg/Kg	☼	02/21/13 15:27	02/26/13 13:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*109*		*50 - 150*	*02/21/13 15:27*	*02/26/13 13:13*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**83.7**		4.95		mg/Kg	☼	02/22/13 11:17	02/24/13 22:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*67*		*50 - 150*	*02/22/13 11:17*	*02/24/13 22:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		0.10		%			02/21/13 15:37	1
Percent Solids	**89**		0.10		%			02/21/13 15:37	1

Client Sample Results

Client: URS Corporation
Project/Site: NRG Energy

TestAmerica Job ID: 490-20082-1
SDG: Alexandria, VA

Client Sample ID: FS2

Date Collected: 02/19/13 11:28
Date Received: 02/20/13 08:20

Lab Sample ID: 490-20082-8

Matrix: Soil
Percent Solids: 91.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00205		mg/Kg	☼	02/21/13 15:27	02/23/13 20:48	1
Ethylbenzene	ND		0.00205		mg/Kg	☼	02/21/13 15:27	02/23/13 20:48	1
Methyl tert-butyl ether	ND		0.00205		mg/Kg	☼	02/21/13 15:27	02/23/13 20:48	1
Toluene	ND		0.00205		mg/Kg	☼	02/21/13 15:27	02/23/13 20:48	1
Xylenes, Total	ND		0.00514		mg/Kg	☼	02/21/13 15:27	02/23/13 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*107*		*70 - 130*	*02/21/13 15:27*	*02/23/13 20:48*	*1*
Toluene-d8 (Surr)	*80*		*70 - 130*	*02/21/13 15:27*	*02/23/13 20:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*	*02/21/13 15:27*	*02/23/13 20:48*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*02/21/13 15:27*	*02/23/13 20:48*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	**10.4**		5.33		mg/Kg	☼	02/21/13 15:27	02/26/13 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*107*		*50 - 150*	*02/21/13 15:27*	*02/26/13 13:46*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		5.00		mg/Kg	☼	02/22/13 11:17	02/24/13 21:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*53*		*50 - 150*	*02/22/13 11:17*	*02/24/13 21:44*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.9**		0.10		%			02/21/13 15:37	1
Percent Solids	**91**		0.10		%			02/21/13 15:37	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: 490-20082-8 MS
Matrix: Soil
Analysis Batch: 60628

Client Sample ID: FS2
Prep Type: Total/NA
Prep Batch: 60291

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		0.0539	0.02819		mg/Kg	☼	52	31 - 143
Ethylbenzene	ND		0.0539	0.01263		mg/Kg	☼	23	23 - 161
Methyl tert-butyl ether	ND		0.0539	0.05449		mg/Kg	☼	101	28 - 141
Toluene	ND		0.0539	0.01466	F	mg/Kg	☼	27	30 - 155
Xylenes, Total	ND		0.162	0.03666	F	mg/Kg	☼	22	25 - 162

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*107*		*70 - 130*
Toluene-d8 (Surr)	*79*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 490-20082-8 MSD
Matrix: Soil
Analysis Batch: 60628

Client Sample ID: FS2
Prep Type: Total/NA
Prep Batch: 60291

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		0.0519	0.02887		mg/Kg	☼	56	31 - 143	2	50
Ethylbenzene	ND		0.0519	0.01354		mg/Kg	☼	26	23 - 161	7	50
Methyl tert-butyl ether	ND		0.0519	0.05311		mg/Kg	☼	102	28 - 141	3	50
Toluene	ND		0.0519	0.01608		mg/Kg	☼	31	30 - 155	9	50
Xylenes, Total	ND		0.156	0.03844	F	mg/Kg	☼	24	25 - 162	14	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*80*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 490-60628/6
Matrix: Solid
Analysis Batch: 60628

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200		mg/Kg			02/23/13 11:45	1
Ethylbenzene	ND		0.00200		mg/Kg			02/23/13 11:45	1
Methyl tert-butyl ether	ND		0.00200		mg/Kg			02/23/13 11:45	1
Toluene	ND		0.00200		mg/Kg			02/23/13 11:45	1
Xylenes, Total	ND		0.00500		mg/Kg			02/23/13 11:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*70 - 130*		*02/23/13 11:45*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*02/23/13 11:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 130*		*02/23/13 11:45*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*02/23/13 11:45*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-60628/3 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 60628

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.05380		mg/Kg		108	75 - 127
Ethylbenzene	0.0500	0.05926		mg/Kg		119	80 - 134
Methyl tert-butyl ether	0.0500	0.05409		mg/Kg		108	70 - 136
Toluene	0.0500	0.05098		mg/Kg		102	80 - 132
Xylenes, Total	0.150	0.1690		mg/Kg		113	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*92*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 490-60628/4 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 60628

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.05390		mg/Kg		108	75 - 127	0	50
Ethylbenzene	0.0500	0.05924		mg/Kg		118	80 - 134	0	50
Methyl tert-butyl ether	0.0500	0.05668		mg/Kg		113	70 - 136	5	50
Toluene	0.0500	0.05151		mg/Kg		103	80 - 132	1	50
Xylenes, Total	0.150	0.1709		mg/Kg		114	80 - 137	1	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*101*		*70 - 130*
Toluene-d8 (Surr)	*88*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 490-61066/6 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61066

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		5.00		mg/Kg			02/26/13 09:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*100*		*50 - 150*		*02/26/13 09:54*	*1*

Lab Sample ID: LCS 490-61066/4 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61066

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	10.0	11.05		mg/Kg		110	70 - 130

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCS 490-61066/4 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61066

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene	123		50 - 150

Lab Sample ID: LCSD 490-61066/29 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61066

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10			10.0	10.13		mg/Kg		101	70 - 130	9	21

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
a,a,a-Trifluorotoluene	119		50 - 150

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 490-60502/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 60768 — **Prep Batch: 60502**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		5.00		mg/Kg		02/22/13 11:17	02/24/13 15:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	94		50 - 150	02/22/13 11:17	02/24/13 15:46	1

Lab Sample ID: LCS 490-60502/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 60768 — **Prep Batch: 60502**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			40.0	35.46		mg/Kg		89	54 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl (Surr)	96		50 - 150

Method: Moisture - Percent Moisture

Lab Sample ID: 490-20082-1 DU — **Client Sample ID: SW1**
Matrix: Soil — **Prep Type: Total/NA**
Analysis Batch: 60297

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	18			17		%				3	20
Percent Solids	82			83		%				0.7	20

QC Association Summary

Client: URS Corporation
Project/Site: NRG Energy

TestAmerica Job ID: 490-20082-1
SDG: Alexandria, VA

GC/MS VOA

Prep Batch: 60291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-20082-1	SW1	Total/NA	Soil	5030B	
490-20082-2	SW2	Total/NA	Soil	5030B	
490-20082-3	SW3	Total/NA	Soil	5030B	
490-20082-4	SW4	Total/NA	Soil	5030B	
490-20082-5	SW5	Total/NA	Soil	5030B	
490-20082-6	SW6	Total/NA	Soil	5030B	
490-20082-7	FS1	Total/NA	Soil	5030B	
490-20082-8	FS2	Total/NA	Soil	5030B	
490-20082-8 MS	FS2	Total/NA	Soil	5030B	
490-20082-8 MSD	FS2	Total/NA	Soil	5030B	

Analysis Batch: 60628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-20082-1	SW1	Total/NA	Soil	8260B	60291
490-20082-2	SW2	Total/NA	Soil	8260B	60291
490-20082-3	SW3	Total/NA	Soil	8260B	60291
490-20082-4	SW4	Total/NA	Soil	8260B	60291
490-20082-5	SW5	Total/NA	Soil	8260B	60291
490-20082-6	SW6	Total/NA	Soil	8260B	60291
490-20082-7	FS1	Total/NA	Soil	8260B	60291
490-20082-8	FS2	Total/NA	Soil	8260B	60291
490-20082-8 MS	FS2	Total/NA	Soil	8260B	60291
490-20082-8 MSD	FS2	Total/NA	Soil	8260B	60291
LCS 490-60628/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-60628/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-60628/6	Method Blank	Total/NA	Solid	8260B	

GC VOA

Prep Batch: 60290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-20082-1	SW1	Total/NA	Soil	5030B	
490-20082-2	SW2	Total/NA	Soil	5030B	
490-20082-3	SW3	Total/NA	Soil	5030B	
490-20082-4	SW4	Total/NA	Soil	5030B	
490-20082-5	SW5	Total/NA	Soil	5030B	
490-20082-6	SW6	Total/NA	Soil	5030B	
490-20082-7	FS1	Total/NA	Soil	5030B	
490-20082-8	FS2	Total/NA	Soil	5030B	

Analysis Batch: 61066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-20082-1	SW1	Total/NA	Soil	8015B	60290
490-20082-2	SW2	Total/NA	Soil	8015B	60290
490-20082-3	SW3	Total/NA	Soil	8015B	60290
490-20082-4	SW4	Total/NA	Soil	8015B	60290
490-20082-5	SW5	Total/NA	Soil	8015B	60290
490-20082-6	SW6	Total/NA	Soil	8015B	60290
490-20082-7	FS1	Total/NA	Soil	8015B	60290
490-20082-8	FS2	Total/NA	Soil	8015B	60290

GC VOA (Continued)

Analysis Batch: 61066 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 490-61066/4	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 490-61066/29	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 490-61066/6	Method Blank	Total/NA	Solid	8015B	

GC Semi VOA

Prep Batch: 60502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-20082-1	SW1	Total/NA	Soil	3550B	
490-20082-2	SW2	Total/NA	Soil	3550B	
490-20082-3	SW3	Total/NA	Soil	3550B	
490-20082-4	SW4	Total/NA	Soil	3550B	
490-20082-5	SW5	Total/NA	Soil	3550B	
490-20082-6	SW6	Total/NA	Soil	3550B	
490-20082-7	FS1	Total/NA	Soil	3550B	
490-20082-8	FS2	Total/NA	Soil	3550B	
LCS 490-60502/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 490-60502/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 60768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-20082-2	SW2	Total/NA	Soil	8015B	60502
490-20082-3	SW3	Total/NA	Soil	8015B	60502
490-20082-4	SW4	Total/NA	Soil	8015B	60502
490-20082-5	SW5	Total/NA	Soil	8015B	60502
490-20082-6	SW6	Total/NA	Soil	8015B	60502
490-20082-7	FS1	Total/NA	Soil	8015B	60502
490-20082-8	FS2	Total/NA	Soil	8015B	60502
LCS 490-60502/2-A	Lab Control Sample	Total/NA	Solid	8015B	60502
MB 490-60502/1-A	Method Blank	Total/NA	Solid	8015B	60502

Analysis Batch: 60812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-20082-1	SW1	Total/NA	Soil	8015B	60502

General Chemistry

Analysis Batch: 60297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-20082-1	SW1	Total/NA	Soil	Moisture	
490-20082-1 DU	SW1	Total/NA	Soil	Moisture	
490-20082-2	SW2	Total/NA	Soil	Moisture	
490-20082-3	SW3	Total/NA	Soil	Moisture	
490-20082-4	SW4	Total/NA	Soil	Moisture	
490-20082-5	SW5	Total/NA	Soil	Moisture	
490-20082-6	SW6	Total/NA	Soil	Moisture	
490-20082-7	FS1	Total/NA	Soil	Moisture	
490-20082-8	FS2	Total/NA	Soil	Moisture	

Lab Chronicle

Client: URS Corporation
Project/Site: NRG Energy

TestAmerica Job ID: 490-20082-1
SDG: Alexandria, VA

Client Sample ID: SW1 — Lab Sample ID: 490-20082-1

Date Collected: 02/19/13 11:10 — **Matrix: Soil**
Date Received: 02/20/13 08:20 — **Percent Solids: 82.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			60291	02/21/13 15:27	ML	TAL NSH
Total/NA	Analysis	8260B		1	60628	02/23/13 17:17	AF	TAL NSH
Total/NA	Prep	5030B			60290	02/21/13 15:27	ML	TAL NSH
Total/NA	Analysis	8015B		1	61066	02/26/13 10:27	BH	TAL NSH
Total/NA	Prep	3550B			60502	02/22/13 11:17	AK	TAL NSH
Total/NA	Analysis	8015B		10	60812	02/25/13 14:06	JL	TAL NSH
Total/NA	Analysis	Moisture		1	60297	02/21/13 15:37	RS	TAL NSH

Client Sample ID: SW2 — Lab Sample ID: 490-20082-2

Date Collected: 02/19/13 11:05 — **Matrix: Soil**
Date Received: 02/20/13 08:20 — **Percent Solids: 82.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			60291	02/21/13 15:27	ML	TAL NSH
Total/NA	Analysis	8260B		1	60628	02/23/13 17:47	AF	TAL NSH
Total/NA	Prep	5030B			60290	02/21/13 15:27	ML	TAL NSH
Total/NA	Analysis	8015B		1	61066	02/26/13 15:26	BH	TAL NSH
Total/NA	Prep	3550B			60502	02/22/13 11:17	AK	TAL NSH
Total/NA	Analysis	8015B		1	60768	02/24/13 20:23	GH	TAL NSH
Total/NA	Analysis	Moisture		1	60297	02/21/13 15:37	RS	TAL NSH

Client Sample ID: SW3 — Lab Sample ID: 490-20082-3

Date Collected: 02/19/13 11:00 — **Matrix: Soil**
Date Received: 02/20/13 08:20 — **Percent Solids: 84.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			60291	02/21/13 15:27	ML	TAL NSH
Total/NA	Analysis	8260B		1	60628	02/23/13 18:17	AF	TAL NSH
Total/NA	Prep	5030B			60290	02/21/13 15:27	ML	TAL NSH
Total/NA	Analysis	8015B		1	61066	02/26/13 11:00	BH	TAL NSH
Total/NA	Prep	3550B			60502	02/22/13 11:17	AK	TAL NSH
Total/NA	Analysis	8015B		1	60768	02/24/13 20:39	GH	TAL NSH
Total/NA	Analysis	Moisture		1	60297	02/21/13 15:37	RS	TAL NSH

Client Sample ID: SW4 — Lab Sample ID: 490-20082-4

Date Collected: 02/19/13 11:15 — **Matrix: Soil**
Date Received: 02/20/13 08:20 — **Percent Solids: 90.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			60291	02/21/13 15:27	ML	TAL NSH
Total/NA	Analysis	8260B		1	60628	02/23/13 18:47	AF	TAL NSH
Total/NA	Prep	5030B			60290	02/21/13 15:27	ML	TAL NSH
Total/NA	Analysis	8015B		1	61066	02/26/13 11:33	BH	TAL NSH

Lab Chronicle

Client: URS Corporation
Project/Site: NRG Energy

TestAmerica Job ID: 490-20082-1
SDG: Alexandria, VA

Client Sample ID: SW4

Lab Sample ID: 490-20082-4
Date Collected: 02/19/13 11:15
Matrix: Soil
Date Received: 02/20/13 08:20
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			60502	02/22/13 11:17	AK	TAL NSH
Total/NA	Analysis	8015B		1	60768	02/24/13 20:55	GH	TAL NSH
Total/NA	Analysis	Moisture		1	60297	02/21/13 15:37	RS	TAL NSH

Client Sample ID: SW5

Lab Sample ID: 490-20082-5
Date Collected: 02/19/13 11:45
Matrix: Soil
Date Received: 02/20/13 08:20
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			60291	02/21/13 15:27	ML	TAL NSH
Total/NA	Analysis	8260B		1	60628	02/23/13 19:18	AF	TAL NSH
Total/NA	Prep	5030B			60290	02/21/13 15:27	ML	TAL NSH
Total/NA	Analysis	8015B		1	61066	02/26/13 12:07	BH	TAL NSH
Total/NA	Prep	3550B			60502	02/22/13 11:17	AK	TAL NSH
Total/NA	Analysis	8015B		1	60768	02/24/13 21:12	GH	TAL NSH
Total/NA	Analysis	Moisture		1	60297	02/21/13 15:37	RS	TAL NSH

Client Sample ID: SW6

Lab Sample ID: 490-20082-6
Date Collected: 02/19/13 13:02
Matrix: Soil
Date Received: 02/20/13 08:20
Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			60291	02/21/13 15:27	ML	TAL NSH
Total/NA	Analysis	8260B		1	60628	02/23/13 19:48	AF	TAL NSH
Total/NA	Prep	5030B			60290	02/21/13 15:27	ML	TAL NSH
Total/NA	Analysis	8015B		1	61066	02/26/13 12:40	BH	TAL NSH
Total/NA	Prep	3550B			60502	02/22/13 11:17	AK	TAL NSH
Total/NA	Analysis	8015B		1	60768	02/24/13 21:28	GH	TAL NSH
Total/NA	Analysis	Moisture		1	60297	02/21/13 15:37	RS	TAL NSH

Client Sample ID: FS1

Lab Sample ID: 490-20082-7
Date Collected: 02/19/13 11:20
Matrix: Soil
Date Received: 02/20/13 08:20
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			60291	02/21/13 15:27	ML	TAL NSH
Total/NA	Analysis	8260B		1	60628	02/23/13 20:18	AF	TAL NSH
Total/NA	Prep	5030B			60290	02/21/13 15:27	ML	TAL NSH
Total/NA	Analysis	8015B		1	61066	02/26/13 13:13	BH	TAL NSH
Total/NA	Prep	3550B			60502	02/22/13 11:17	AK	TAL NSH
Total/NA	Analysis	8015B		1	60768	02/24/13 22:00	GH	TAL NSH
Total/NA	Analysis	Moisture		1	60297	02/21/13 15:37	RS	TAL NSH

Lab Chronicle

Client: URS Corporation
Project/Site: NRG Energy

TestAmerica Job ID: 490-20082-1
SDG: Alexandria, VA

Client Sample ID: FS2

Date Collected: 02/19/13 11:28
Date Received: 02/20/13 08:20

Lab Sample ID: 490-20082-8

Matrix: Soil
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			60291	02/21/13 15:27	ML	TAL NSH
Total/NA	Analysis	8260B		1	60628	02/23/13 20:48	AF	TAL NSH
Total/NA	Prep	5030B			60290	02/21/13 15:27	ML	TAL NSH
Total/NA	Analysis	8015B		1	61066	02/26/13 13:46	BH	TAL NSH
Total/NA	Prep	3550B			60502	02/22/13 11:17	AK	TAL NSH
Total/NA	Analysis	8015B		1	60768	02/24/13 21:44	GH	TAL NSH
Total/NA	Analysis	Moisture		1	60297	02/21/13 15:37	RS	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: URS Corporation
Project/Site: NRG Energy

TestAmerica Job ID: 490-20082-1
SDG: Alexandria, VA

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8015B	Gasoline Range Organics - (GC)	SW846	TAL NSH
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL NSH
Moisture	Percent Moisture	EPA	TAL NSH

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: URS Corporation
Project/Site: NRG Energy

TestAmerica Job ID: 490-20082-1
SDG: Alexandria, VA

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-13
Arkansas DEQ	State Program	6	88-0737	04-25-13
California	NELAP	9	1168CA	10-31-13
Canadian Assoc Lab Accred (CALA)	Canada		3744	03-08-14
Colorado	State Program	8	N/A	02-28-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13
Illinois	NELAP	5	200010	12-09-13
Iowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-13
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-09-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-13
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oklahoma	State Program	6	9412	08-31-13
Oregon	NELAP	10	TN200001	04-30-13
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	02-28-13
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT 1

Baltimore

490-20082 Chain of Custody

Cooler Received/Opened On: 2/20/2013 @0820

1. Tracking # 8315 (last 4 digits, FedEx)

Courier: Fed-Ex IR Gun ID: 14740456

2. Temperature of rep. sample or temp blank when opened: -0.3 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? @ 2-21-13 YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

#17) No analyses marked.

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

2/27/2013

Chain of Custody Record

Project Name: NRG Energy, Potomac River
Alexandria, VA

Req Due Date (mm/dd/yy): 5 Day TAT **Rush TAT:** Yes X No

Lab Work Order Number:

Lab Name:	Test America	Facility Address:	1400 N Royal St	Consultant/Contractor:	URS Corporation
Lab Address:	2960 Foster Creighton Dr Nashville, TN 37204	City, State, ZIP Code:	Alexandria, VA 22314	Consultant/Contractor Project No:	15303354
Lab PM:	Cathy Gartner	Lead Regulatory Agency:	N/A	Address:	12420 Milestone Center Dr Germantown, MD 20876
Lab Phone:	615-301-5041	California Global ID No.:	N/A	Consultant/Contractor PM:	Adriane Rogers
Lab Shipping Accnt:	14996491-6	NRG Energy		Phone:	301-820-3000
Lab Bottle Order No:	3770			Email EDD To:	adriane.rogers@urs.com and mike.myers@urs.com
Other Info:				Invoice To:	URS Corporation Lockbox Austin, TX

Report Type & QC Level: Standard x; Full Data Package ____

Loc: 490
20082

Note: If s... Sample" ... and initial ... ite "No ... rike out ... escription.

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	NaOH + ZnAc	BTEX, MTBE (8260B)	TPH-GRO (8015B)	TPH-DRO (8015B)
-1	SW1	2-19-13	1110	✓			3									
2	SW2	2-19-13	1105	✓			3									
3	SW3	2-19-13	1100	✓			3									
4	SW4	2-19-13	1115	✓			3									
5	SW5	2-19-13	1145	✓			3									
6	SW6	2-19-13	1302	✓			3									
7	FS1	2-19-13	1120	✓			3									
8	FS2	2-19-13	1120	✓			3									

		Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name:	Bob Burns						
Sampler's Company:	URS Corporation	URS	2-19-13		[illegible] TAN	2-20-13	0820
Shipment Method:	Fed Ex Ship Date: 2-19-13						
Shipment Tracking No:							

Special Instructions: 5 DAY Turnaround

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: -0.3 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

Login Sample Receipt Checklist

Client: URS Corporation

Job Number: 490-20082-1
SDG Number: Alexandria, VA

Login Number: 20082
List Number: 1
Creator: McBride, Mike

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-21647-1
Client Project/Site: Potomac River Generating Station

For:
URS Corporation
12420 Milestone Center Drive
Ste 150
Germantown, Maryland 20876

Attn: Ms. Adriane Rogers

Cathy Gartner

Authorized for release by:
3/21/2013 9:28:25 AM

Cathy Gartner
Project Manager I
cathy.gartner@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: URS Corporation
Project/Site: Potomac River Generating Station

TestAmerica Job ID: 490-21647-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-21647-1	B3-32	Solid	03/07/13 10:15	03/13/13 08:10
490-21647-2	TRIP BLANK	Water	03/11/13 00:01	03/13/13 08:10
490-21647-3	B3-31	Solid	03/07/13 10:30	03/13/13 08:10
490-21647-4	B7-8	Solid	03/11/13 11:00	03/13/13 08:10
490-21647-5	B1-21	Solid	03/07/13 16:45	03/13/13 08:10
490-21647-6	B7-12	Solid	03/11/13 11:00	03/13/13 08:10
490-21647-7	B5-31	Solid	03/08/13 09:50	03/13/13 08:10
490-21647-8	B4-32	Solid	03/07/13 12:50	03/13/13 08:10
490-21647-9	B5-24	Solid	03/08/13 10:00	03/13/13 08:10
490-21647-10	B4-24	Solid	03/07/13 12:15	03/13/13 08:10
490-21647-11	B1-33	Solid	03/07/13 16:30	03/13/13 08:10
490-21647-12	B-1	Water	03/11/13 15:00	03/13/13 08:10
490-21647-13	B-5	Water	03/11/13 12:50	03/13/13 08:10
490-21647-14	B-3	Water	03/08/13 15:00	03/13/13 08:10
490-21647-15	B-4	Water	03/11/13 09:00	03/13/13 08:10

Job ID: 490-21647-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-21647-1

Comments
No additional comments.

Receipt
The samples were received on 3/13/2013 8:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.9º C and 7.2º C.

Except:

The following sample(s) was received at the laboratory outside the required temperature criteria: B-3 (490-21647-14), B-4 (490-21647-15), B-5 (490-21647-13). The liters for DRO for B-5, B-3 and B-4 were received at 7.2 celsius. No ice present in the cooler. There was water that may have been melted ice.

One or more containers for the following sample(s) was received broken or leaking: B-1 (490-21647-12). Both liters for sample B-1 were broken in shipment.

GC/MS VOA
Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: B3-31 (490-21647-3), B4-24 (490-21647-10), B4-32 (490-21647-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: The following sample(s) was diluted due to the nature of the sample matrix: B5-24 (490-21647-9) B4-24 (490-21647-10). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: Due to the high concentration of Benzene, Toluene, Ethylbenzene, and Xylenes, the matrix spike / matrix spike duplicate (MS/MSD) for batch 65059 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 65330. See LCS/LCSD

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: B1-21 (490-21647-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 65727 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

GC VOA
Method(s) 8015B: Insufficient sample volume was available to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 64948.The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: Due to the level of dilution required for the following sample(s), surrogate recoveries are not accurate: B3-31 (490-21647-3), B7-12 (490-21647-6), B4-24 (490-21647-10), B4-32 (490-21647-8), B5-24 (490-21647-9) B-4 (490-21647-15), B-5 (490-21647-13).

Method(s) 8015B: The following sample(s) was diluted due to the nature of the sample matrix: B3-31 (490-21647-3), B7-12 (490-21647-6), B1-21 (490-21647-5) B4-24 (490-21647-10), B4-32 (490-21647-8), B5-24 (490-21647-9) B-4 (490-21647-15), . Elevated reporting limits (RLs) are provided.

Job ID: 490-21647-1 (Continued)

Laboratory: TestAmerica Nashville (Continued)

Method(s) 8015B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 65173.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: URS Corporation
Project/Site: Potomac River Generating Station

TestAmerica Job ID: 490-21647-1

Client Sample ID: B3-32

Date Collected: 03/07/13 10:15
Date Received: 03/13/13 08:10

Lab Sample ID: 490-21647-1

Matrix: Solid
Percent Solids: 76.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00268		mg/Kg	☼	03/14/13 13:06	03/14/13 13:26	1
Ethylbenzene	ND		0.00268		mg/Kg	☼	03/14/13 13:06	03/14/13 13:26	1
Methyl tert-butyl ether	ND		0.00268		mg/Kg	☼	03/14/13 13:06	03/14/13 13:26	1
Toluene	ND		0.00268		mg/Kg	☼	03/14/13 13:06	03/14/13 13:26	1
Xylenes, Total	ND		0.00671		mg/Kg	☼	03/14/13 13:06	03/14/13 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*70 - 130*	*03/14/13 13:06*	*03/14/13 13:26*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*	*03/14/13 13:06*	*03/14/13 13:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*	*03/14/13 13:06*	*03/14/13 13:26*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/14/13 13:06*	*03/14/13 13:26*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		6.96		mg/Kg	☼	03/13/13 17:01	03/14/13 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*79*		*50 - 150*	*03/13/13 17:01*	*03/14/13 19:04*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**12.4**		6.47		mg/Kg	☼	03/14/13 07:34	03/15/13 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*84*		*50 - 150*	*03/14/13 07:34*	*03/15/13 00:07*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**23**		0.10		%			03/14/13 08:33	1
Percent Solids	**77**		0.10		%			03/14/13 08:33	1

Client Sample Results

Client: URS Corporation
Project/Site: Potomac River Generating Station

TestAmerica Job ID: 490-21647-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 490-21647-2

Date Collected: 03/11/13 00:01

Matrix: Water

Date Received: 03/13/13 08:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			03/14/13 13:56	1
Ethylbenzene	ND		1.00		ug/L			03/14/13 13:56	1
Methyl tert-butyl ether	ND		1.00		ug/L			03/14/13 13:56	1
Toluene	ND		1.00		ug/L			03/14/13 13:56	1
Xylenes, Total	ND		3.00		ug/L			03/14/13 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*03/14/13 13:56*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*03/14/13 13:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*03/14/13 13:56*	*1*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*03/14/13 13:56*	*1*

Client Sample Results

Client: URS Corporation
Project/Site: Potomac River Generating Station

TestAmerica Job ID: 490-21647-1

Client Sample ID: B3-31

Date Collected: 03/07/13 10:30
Date Received: 03/13/13 08:10

Lab Sample ID: 490-21647-3

Matrix: Solid
Percent Solids: 84.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0262		0.00257		mg/Kg	☼	03/14/13 13:06	03/14/13 13:57	1
Ethylbenzene	3.00		0.108		mg/Kg	☼	03/14/13 15:10	03/14/13 18:37	1
Methyl tert-butyl ether	ND		0.00257		mg/Kg	☼	03/14/13 13:06	03/14/13 13:57	1
Toluene	0.00573		0.00257		mg/Kg	☼	03/14/13 13:06	03/14/13 13:57	1
Xylenes, Total	10.8		0.270		mg/Kg	☼	03/14/13 15:10	03/14/13 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*105*		*70 - 130*	*03/14/13 13:06*	*03/14/13 13:57*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*	*03/14/13 15:10*	*03/14/13 18:37*	*1*
Toluene-d8 (Surr)	*156*	*X*	*70 - 130*	*03/14/13 13:06*	*03/14/13 13:57*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*	*03/14/13 15:10*	*03/14/13 18:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*	*03/14/13 13:06*	*03/14/13 13:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 130*	*03/14/13 15:10*	*03/14/13 18:37*	*1*
4-Bromofluorobenzene (Surr)	*226*	*X*	*70 - 130*	*03/14/13 13:06*	*03/14/13 13:57*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/14/13 15:10*	*03/14/13 18:37*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	208		5.18		mg/Kg	☼	03/13/13 17:01	03/14/13 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*87*		*50 - 150*	*03/13/13 17:01*	*03/14/13 19:24*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	2050		294		mg/Kg	☼	03/14/13 07:34	03/15/13 12:59	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*273*	*X*	*50 - 150*	*03/14/13 07:34*	*03/15/13 12:59*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		0.10		%			03/14/13 08:33	1
Percent Solids	85		0.10		%			03/14/13 08:33	1

Client Sample Results

Client: URS Corporation
Project/Site: Potomac River Generating Station

TestAmerica Job ID: 490-21647-1

Client Sample ID: B7-8

Date Collected: 03/11/13 11:00
Date Received: 03/13/13 08:10

Lab Sample ID: 490-21647-4

Matrix: Solid
Percent Solids: 88.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00230		mg/Kg	☼	03/14/13 13:06	03/14/13 14:28	1
Ethylbenzene	ND		0.00230		mg/Kg	☼	03/14/13 13:06	03/14/13 14:28	1
Methyl tert-butyl ether	ND		0.00230		mg/Kg	☼	03/14/13 13:06	03/14/13 14:28	1
Toluene	ND		0.00230		mg/Kg	☼	03/14/13 13:06	03/14/13 14:28	1
Xylenes, Total	ND		0.00575		mg/Kg	☼	03/14/13 13:06	03/14/13 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*70 - 130*	*03/14/13 13:06*	*03/14/13 14:28*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*03/14/13 13:06*	*03/14/13 14:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*	*03/14/13 13:06*	*03/14/13 14:28*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/14/13 13:06*	*03/14/13 14:28*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		5.32		mg/Kg	☼	03/13/13 17:01	03/14/13 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*83*		*50 - 150*	*03/13/13 17:01*	*03/14/13 19:45*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		5.54		mg/Kg	☼	03/14/13 07:34	03/15/13 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*87*		*50 - 150*	*03/14/13 07:34*	*03/15/13 11:38*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12**		0.10		%			03/14/13 08:33	1
Percent Solids	**88**		0.10		%			03/14/13 08:33	1

Client Sample Results

Client: URS Corporation
Project/Site: Potomac River Generating Station

TestAmerica Job ID: 490-21647-1

Client Sample ID: B1-21

Date Collected: 03/07/13 16:45
Date Received: 03/13/13 08:10

Lab Sample ID: 490-21647-5

Matrix: Solid
Percent Solids: 75.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00235		mg/Kg	☼	03/14/13 13:06	03/15/13 13:22	1
Ethylbenzene	**0.277**		0.151		mg/Kg	☼	03/14/13 15:10	03/15/13 13:53	1
Methyl tert-butyl ether	ND		0.00235		mg/Kg	☼	03/14/13 13:06	03/15/13 13:22	1
Toluene	ND		0.00235		mg/Kg	☼	03/14/13 13:06	03/15/13 13:22	1
Xylenes, Total	**1.01**		0.378		mg/Kg	☼	03/14/13 15:10	03/15/13 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/14/13 13:06*	*03/15/13 13:22*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*	*03/14/13 15:10*	*03/15/13 13:53*	*1*
Toluene-d8 (Surr)	*141*	*X*	*70 - 130*	*03/14/13 13:06*	*03/15/13 13:22*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*	*03/14/13 15:10*	*03/15/13 13:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*	*03/14/13 13:06*	*03/15/13 13:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*	*03/14/13 15:10*	*03/15/13 13:53*	*1*
4-Bromofluorobenzene (Surr)	*239*	*X*	*70 - 130*	*03/14/13 13:06*	*03/15/13 13:22*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/14/13 15:10*	*03/15/13 13:53*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	**66.9**		7.37		mg/Kg	☼	03/13/13 17:01	03/14/13 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*81*		*50 - 150*	*03/13/13 17:01*	*03/14/13 20:06*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**624**		64.2		mg/Kg	☼	03/14/13 07:34	03/15/13 12:43	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*75*		*50 - 150*	*03/14/13 07:34*	*03/15/13 12:43*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**25**		0.10		%			03/14/13 08:33	1
Percent Solids	**75**		0.10		%			03/14/13 08:33	1

Client Sample Results

Client: URS Corporation
Project/Site: Potomac River Generating Station

TestAmerica Job ID: 490-21647-1

Client Sample ID: B7-12

Date Collected: 03/11/13 11:00
Date Received: 03/13/13 08:10

Lab Sample ID: 490-21647-6

Matrix: Solid
Percent Solids: 83.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00218		mg/Kg	☼	03/14/13 13:06	03/14/13 15:00	1
Ethylbenzene	ND		0.00218		mg/Kg	☼	03/14/13 13:06	03/14/13 15:00	1
Methyl tert-butyl ether	ND		0.00218		mg/Kg	☼	03/14/13 13:06	03/14/13 15:00	1
Toluene	ND		0.00218		mg/Kg	☼	03/14/13 13:06	03/14/13 15:00	1
Xylenes, Total	ND		0.00546		mg/Kg	☼	03/14/13 13:06	03/14/13 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*70 - 130*	*03/14/13 13:06*	*03/14/13 15:00*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*	*03/14/13 13:06*	*03/14/13 15:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*	*03/14/13 13:06*	*03/14/13 15:00*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/14/13 13:06*	*03/14/13 15:00*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		7.02		mg/Kg	☼	03/13/13 17:01	03/14/13 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*77*		*50 - 150*	*03/13/13 17:01*	*03/14/13 20:27*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**226**		59.9		mg/Kg	☼	03/14/13 07:34	03/15/13 01:44	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*286*	*X*	*50 - 150*	*03/14/13 07:34*	*03/15/13 01:44*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17**		0.10		%			03/14/13 08:33	1
Percent Solids	**83**		0.10		%			03/14/13 08:33	1

Client Sample Results

Client: URS Corporation
Project/Site: Potomac River Generating Station

TestAmerica Job ID: 490-21647-1

Client Sample ID: B5-31

Date Collected: 03/08/13 09:50
Date Received: 03/13/13 08:10

Lab Sample ID: 490-21647-7

Matrix: Solid
Percent Solids: 75.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00233		mg/Kg	☼	03/14/13 13:06	03/14/13 16:02	1
Ethylbenzene	**0.00244**		0.00233		mg/Kg	☼	03/14/13 13:06	03/14/13 16:02	1
Methyl tert-butyl ether	ND		0.00233		mg/Kg	☼	03/14/13 13:06	03/14/13 16:02	1
Toluene	ND		0.00233		mg/Kg	☼	03/14/13 13:06	03/14/13 16:02	1
Xylenes, Total	**0.00903**		0.00582		mg/Kg	☼	03/14/13 13:06	03/14/13 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/14/13 13:06*	*03/14/13 16:02*	*1*
Toluene-d8 (Surr)	*111*		*70 - 130*	*03/14/13 13:06*	*03/14/13 16:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*	*03/14/13 13:06*	*03/14/13 16:02*	*1*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*03/14/13 13:06*	*03/14/13 16:02*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	**75.2**		7.69		mg/Kg	☼	03/13/13 17:01	03/14/13 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*97*		*50 - 150*	*03/13/13 17:01*	*03/14/13 20:47*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**143**		6.57		mg/Kg	☼	03/14/13 07:34	03/15/13 02:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*118*		*50 - 150*	*03/14/13 07:34*	*03/15/13 02:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**24**		0.10		%			03/14/13 08:33	1
Percent Solids	**76**		0.10		%			03/14/13 08:33	1

Client Sample Results

Client: URS Corporation
Project/Site: Potomac River Generating Station

TestAmerica Job ID: 490-21647-1

Client Sample ID: B4-32

Date Collected: 03/07/13 12:50
Date Received: 03/13/13 08:10

Lab Sample ID: 490-21647-8

Matrix: Solid
Percent Solids: 85.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00250		mg/Kg	☼	03/14/13 13:06	03/14/13 16:33	1
Ethylbenzene	**1.44**		0.123		mg/Kg	☼	03/14/13 15:10	03/15/13 11:49	1
Methyl tert-butyl ether	ND		0.00250		mg/Kg	☼	03/14/13 13:06	03/14/13 16:33	1
Toluene	ND		0.00250		mg/Kg	☼	03/14/13 13:06	03/14/13 16:33	1
Xylenes, Total	**0.0708**		0.00625		mg/Kg	☼	03/14/13 13:06	03/14/13 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*111*		*70 - 130*	*03/14/13 13:06*	*03/14/13 16:33*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*	*03/14/13 15:10*	*03/15/13 11:49*	*1*
Toluene-d8 (Surr)	*326*	*X*	*70 - 130*	*03/14/13 13:06*	*03/14/13 16:33*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*	*03/14/13 15:10*	*03/15/13 11:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 130*	*03/14/13 13:06*	*03/14/13 16:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*	*03/14/13 15:10*	*03/15/13 11:49*	*1*
4-Bromofluorobenzene (Surr)	*244*	*X*	*70 - 130*	*03/14/13 13:06*	*03/14/13 16:33*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*03/14/13 15:10*	*03/15/13 11:49*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	**249**		5.24		mg/Kg	☼	03/13/13 17:01	03/14/13 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*94*		*50 - 150*	*03/13/13 17:01*	*03/14/13 22:31*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**2500**		283		mg/Kg	☼	03/14/13 07:34	03/15/13 13:15	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*480*	*X*	*50 - 150*	*03/14/13 07:34*	*03/15/13 13:15*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15**		0.10		%			03/14/13 08:33	1
Percent Solids	**85**		0.10		%			03/14/13 08:33	1

Client Sample Results

Client: URS Corporation
Project/Site: Potomac River Generating Station

TestAmerica Job ID: 490-21647-1

Client Sample ID: B5-24

Date Collected: 03/08/13 10:00
Date Received: 03/13/13 08:10

Lab Sample ID: 490-21647-9

Matrix: Solid
Percent Solids: 83.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.129		mg/Kg	☼	03/14/13 15:10	03/14/13 19:08	1
Ethylbenzene	**3.75**		0.129		mg/Kg	☼	03/14/13 15:10	03/14/13 19:08	1
Methyl tert-butyl ether	ND		0.129		mg/Kg	☼	03/14/13 15:10	03/14/13 19:08	1
Toluene	ND		0.129		mg/Kg	☼	03/14/13 15:10	03/14/13 19:08	1
Xylenes, Total	**14.0**		0.323		mg/Kg	☼	03/14/13 15:10	03/14/13 19:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*70 - 130*	*03/14/13 15:10*	*03/14/13 19:08*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*	*03/14/13 15:10*	*03/14/13 19:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*	*03/14/13 15:10*	*03/14/13 19:08*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*03/14/13 15:10*	*03/14/13 19:08*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	**566**		5.63		mg/Kg	☼	03/13/13 17:01	03/14/13 22:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*88*		*50 - 150*	*03/13/13 17:01*	*03/14/13 22:52*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**4420**		299		mg/Kg	☼	03/14/13 07:34	03/15/13 13:32	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*643*	*X*	*50 - 150*	*03/14/13 07:34*	*03/15/13 13:32*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17**		0.10		%			03/14/13 08:33	1
Percent Solids	**83**		0.10		%			03/14/13 08:33	1

Client Sample Results

Client: URS Corporation
Project/Site: Potomac River Generating Station

TestAmerica Job ID: 490-21647-1

Client Sample ID: B4-24

Date Collected: 03/07/13 12:15
Date Received: 03/13/13 08:10

Lab Sample ID: 490-21647-10

Matrix: Solid
Percent Solids: 86.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.215**		0.00265		mg/Kg	☼	03/14/13 13:06	03/14/13 17:04	1
Ethylbenzene	**8.95**		0.122		mg/Kg	☼	03/14/13 15:10	03/15/13 12:20	1
Methyl tert-butyl ether	ND		0.00265		mg/Kg	☼	03/14/13 13:06	03/14/13 17:04	1
Toluene	**0.00566**		0.00265		mg/Kg	☼	03/14/13 13:06	03/14/13 17:04	1
Xylenes, Total	**40.1**		6.10		mg/Kg	☼	03/14/13 15:10	03/15/13 12:51	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*120*		*70 - 130*	*03/14/13 13:06*	*03/14/13 17:04*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*	*03/14/13 15:10*	*03/15/13 12:20*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*	*03/14/13 15:10*	*03/15/13 12:51*	*20*
Toluene-d8 (Surr)	*649*	*X*	*70 - 130*	*03/14/13 13:06*	*03/14/13 17:04*	*1*
Toluene-d8 (Surr)	*111*		*70 - 130*	*03/14/13 15:10*	*03/15/13 12:20*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*	*03/14/13 15:10*	*03/15/13 12:51*	*20*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*	*03/14/13 13:06*	*03/14/13 17:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*03/14/13 15:10*	*03/15/13 12:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*03/14/13 15:10*	*03/15/13 12:51*	*20*
4-Bromofluorobenzene (Surr)	*622*	*X*	*70 - 130*	*03/14/13 13:06*	*03/14/13 17:04*	*1*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*03/14/13 15:10*	*03/15/13 12:20*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*03/14/13 15:10*	*03/15/13 12:51*	*20*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	**835**		5.20		mg/Kg	☼	03/13/13 17:01	03/14/13 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*87*		*50 - 150*	*03/13/13 17:01*	*03/14/13 23:12*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**5950**		281		mg/Kg	☼	03/14/13 07:34	03/15/13 13:48	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*952*	*X*	*50 - 150*	*03/14/13 07:34*	*03/15/13 13:48*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13**		0.10		%			03/14/13 08:33	1
Percent Solids	**87**		0.10		%			03/14/13 08:33	1

Client Sample Results

Client: URS Corporation
Project/Site: Potomac River Generating Station

TestAmerica Job ID: 490-21647-1

Client Sample ID: B1-33

Date Collected: 03/07/13 16:30
Date Received: 03/13/13 08:10

Lab Sample ID: 490-21647-11

Matrix: Solid
Percent Solids: 84.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00265		mg/Kg	☼	03/14/13 13:06	03/14/13 15:31	1
Ethylbenzene	ND		0.00265		mg/Kg	☼	03/14/13 13:06	03/14/13 15:31	1
Methyl tert-butyl ether	ND		0.00265		mg/Kg	☼	03/14/13 13:06	03/14/13 15:31	1
Toluene	ND		0.00265		mg/Kg	☼	03/14/13 13:06	03/14/13 15:31	1
Xylenes, Total	ND		0.00663		mg/Kg	☼	03/14/13 13:06	03/14/13 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*03/14/13 13:06*	*03/14/13 15:31*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*	*03/14/13 13:06*	*03/14/13 15:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*	*03/14/13 13:06*	*03/14/13 15:31*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*03/14/13 13:06*	*03/14/13 15:31*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		6.85		mg/Kg	☼	03/13/13 17:01	03/14/13 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*83*		*50 - 150*	*03/13/13 17:01*	*03/14/13 21:08*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		5.80		mg/Kg	☼	03/14/13 07:34	03/15/13 11:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*89*		*50 - 150*	*03/14/13 07:34*	*03/15/13 11:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16**		0.10		%			03/14/13 08:33	1
Percent Solids	**84**		0.10		%			03/14/13 08:33	1

Client Sample Results

Client: URS Corporation
Project/Site: Potomac River Generating Station

TestAmerica Job ID: 490-21647-1

Client Sample ID: B-1

Lab Sample ID: 490-21647-12

Date Collected: 03/11/13 15:00
Date Received: 03/13/13 08:10

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.69**		1.00		ug/L			03/18/13 16:37	1
Ethylbenzene	**1.45**		1.00		ug/L			03/18/13 16:37	1
Methyl tert-butyl ether	ND		1.00		ug/L			03/18/13 16:37	1
Toluene	**8.66**		1.00		ug/L			03/18/13 16:37	1
Xylenes, Total	**4.12**		3.00		ug/L			03/18/13 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*03/18/13 16:37*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*03/18/13 16:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*03/18/13 16:37*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*03/18/13 16:37*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		100		ug/L			03/14/13 11:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*92*		*50 - 150*		*03/14/13 11:16*	*1*

Client Sample Results

Client: URS Corporation
Project/Site: Potomac River Generating Station

TestAmerica Job ID: 490-21647-1

Client Sample ID: B-5

Lab Sample ID: 490-21647-13

Date Collected: 03/11/13 12:50
Date Received: 03/13/13 08:10

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4.16**		1.00		ug/L			03/14/13 16:45	1
Ethylbenzene	**7.31**		1.00		ug/L			03/14/13 16:45	1
Methyl tert-butyl ether	ND		1.00		ug/L			03/14/13 16:45	1
Toluene	ND		1.00		ug/L			03/14/13 16:45	1
Xylenes, Total	**30.1**		3.00		ug/L			03/14/13 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*95*		*70 - 130*		*03/14/13 16:45*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*03/14/13 16:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*03/14/13 16:45*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*03/14/13 16:45*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	**770**		100		ug/L			03/14/13 11:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*94*		*50 - 150*		*03/14/13 11:46*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**43600**		2360		ug/L		03/14/13 14:41	03/18/13 14:03	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*168*	*X*	*50 - 150*	*03/14/13 14:41*	*03/18/13 14:03*	*25*

Client Sample Results

Client: URS Corporation
Project/Site: Potomac River Generating Station

TestAmerica Job ID: 490-21647-1

Client Sample ID: B-3

Lab Sample ID: 490-21647-14

Date Collected: 03/08/13 15:00
Date Received: 03/13/13 08:10

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.11**		1.00		ug/L			03/14/13 17:14	1
Ethylbenzene	**10.8**		1.00		ug/L			03/14/13 17:14	1
Methyl tert-butyl ether	ND		1.00		ug/L			03/14/13 17:14	1
Toluene	**2.77**		1.00		ug/L			03/14/13 17:14	1
Xylenes, Total	**42.6**		3.00		ug/L			03/14/13 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*03/14/13 17:14*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*03/14/13 17:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*03/14/13 17:14*	*1*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*03/14/13 17:14*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	**634**		100		ug/L			03/14/13 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*91*		*50 - 150*		*03/14/13 12:17*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**3830**		100		ug/L		03/14/13 14:41	03/15/13 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*59*		*50 - 150*	*03/14/13 14:41*	*03/15/13 15:06*	*1*

Client Sample Results

Client: URS Corporation
Project/Site: Potomac River Generating Station

TestAmerica Job ID: 490-21647-1

Client Sample ID: B-4

Lab Sample ID: 490-21647-15

Date Collected: 03/11/13 09:00
Date Received: 03/13/13 08:10

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3.95**		1.00		ug/L			03/14/13 17:42	1
Ethylbenzene	**3.54**		1.00		ug/L			03/14/13 17:42	1
Methyl tert-butyl ether	ND		1.00		ug/L			03/14/13 17:42	1
Toluene	**1.35**		1.00		ug/L			03/14/13 17:42	1
Xylenes, Total	**4.81**		3.00		ug/L			03/14/13 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*03/14/13 17:42*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*03/14/13 17:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*03/14/13 17:42*	*1*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*		*03/14/13 17:42*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	**1280**		100		ug/L			03/14/13 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*91*		*50 - 150*		*03/14/13 12:47*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**112000**		2380		ug/L		03/14/13 14:41	03/18/13 14:18	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*106*		*50 - 150*	*03/14/13 14:41*	*03/18/13 14:18*	*25*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-65034/6
Matrix: Solid
Analysis Batch: 65034

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200		mg/Kg			03/14/13 11:30	1
Ethylbenzene	ND		0.00200		mg/Kg			03/14/13 11:30	1
Methyl tert-butyl ether	ND		0.00200		mg/Kg			03/14/13 11:30	1
Toluene	ND		0.00200		mg/Kg			03/14/13 11:30	1
Xylenes, Total	ND		0.00500		mg/Kg			03/14/13 11:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*03/14/13 11:30*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*03/14/13 11:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*03/14/13 11:30*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*03/14/13 11:30*	*1*

Lab Sample ID: MB 490-65034/7
Matrix: Solid
Analysis Batch: 65034

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.100		mg/Kg			03/14/13 12:01	1
Ethylbenzene	ND		0.100		mg/Kg			03/14/13 12:01	1
Methyl tert-butyl ether	ND		0.100		mg/Kg			03/14/13 12:01	1
Toluene	ND		0.100		mg/Kg			03/14/13 12:01	1
Xylenes, Total	ND		0.250		mg/Kg			03/14/13 12:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*70 - 130*		*03/14/13 12:01*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*03/14/13 12:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*03/14/13 12:01*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*03/14/13 12:01*	*1*

Lab Sample ID: LCS 490-65034/3
Matrix: Solid
Analysis Batch: 65034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.04988		mg/Kg		100	75 - 127
Ethylbenzene	0.0500	0.05004		mg/Kg		100	80 - 134
Methyl tert-butyl ether	0.0500	0.04990		mg/Kg		100	70 - 136
Toluene	0.0500	0.05210		mg/Kg		104	80 - 132
Xylenes, Total	0.150	0.1509		mg/Kg		101	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*106*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 490-65034/4 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65034

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.04827		mg/Kg		97	75 - 127	3	50
Ethylbenzene	0.0500	0.04767		mg/Kg		95	80 - 134	5	50
Methyl tert-butyl ether	0.0500	0.04901		mg/Kg		98	70 - 136	2	50
Toluene	0.0500	0.04963		mg/Kg		99	80 - 132	5	50
Xylenes, Total	0.150	0.1433		mg/Kg		96	80 - 137	5	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: MB 490-65059/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 65059

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			03/14/13 13:00	1
Ethylbenzene	ND		1.00		ug/L			03/14/13 13:00	1
Methyl tert-butyl ether	ND		1.00		ug/L			03/14/13 13:00	1
Toluene	ND		1.00		ug/L			03/14/13 13:00	1
Xylenes, Total	ND		3.00		ug/L			03/14/13 13:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*03/14/13 13:00*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*03/14/13 13:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*		*03/14/13 13:00*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*03/14/13 13:00*	*1*

Lab Sample ID: LCS 490-65059/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 65059

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	41.23		ug/L		82	80 - 121
Ethylbenzene	50.0	45.07		ug/L		90	80 - 130
Methyl tert-butyl ether	50.0	43.17		ug/L		86	72 - 133
Toluene	50.0	43.10		ug/L		86	80 - 126
Xylenes, Total	150	133.2		ug/L		89	80 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*99*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 490-65059/4
Matrix: Water
Analysis Batch: 65059

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			50.0	43.36		ug/L		87	80 - 121	5	17
Ethylbenzene			50.0	46.94		ug/L		94	80 - 130	4	15
Methyl tert-butyl ether			50.0	48.31		ug/L		97	72 - 133	11	16
Toluene			50.0	45.09		ug/L		90	80 - 126	4	15
Xylenes, Total			150	138.8		ug/L		93	80 - 132	4	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*99*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 490-21653-A-1 MS
Matrix: Water
Analysis Batch: 65059

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	532		50.0	451.3	E 4	ug/L		-160	75 - 133		
Ethylbenzene	1060		50.0	856.6	E 4	ug/L		-405	79 - 139		
Methyl tert-butyl ether	ND		50.0	51.52		ug/L		103	66 - 141		
Toluene	1110		50.0	912.3	E 4	ug/L		-400	75 - 136		
Xylenes, Total	2310		150	1841	4	ug/L		-315	74 - 141		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*107*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 130*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*

Lab Sample ID: 490-21653-A-1 MSD
Matrix: Water
Analysis Batch: 65059

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	532		50.0	454.1	E 4	ug/L		-155	75 - 133	1	17
Ethylbenzene	1060		50.0	876.4	E 4	ug/L		-366	79 - 139	2	15
Methyl tert-butyl ether	ND		50.0	52.85		ug/L		106	66 - 141	3	16
Toluene	1110		50.0	955.9	E 4	ug/L		-313	75 - 136	5	15
Xylenes, Total	2310		150	1957	4	ug/L		-238	74 - 141	6	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*106*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-21647-11 MS — **Client Sample ID: B1-33**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65034 — **Prep Batch: 65130**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		0.0509	0.04932		mg/Kg	☼	97	31 - 143
Ethylbenzene	ND		0.0509	0.04947		mg/Kg	☼	97	23 - 161
Methyl tert-butyl ether	ND		0.0509	0.05197		mg/Kg	☼	102	28 - 141
Toluene	ND		0.0509	0.05073		mg/Kg	☼	100	30 - 155
Xylenes, Total	ND		0.153	0.1470		mg/Kg	☼	96	25 - 162

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 490-21647-11 MSD — **Client Sample ID: B1-33**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65034 — **Prep Batch: 65130**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		0.0506	0.05280		mg/Kg	☼	104	31 - 143	7	50
Ethylbenzene	ND		0.0506	0.05177		mg/Kg	☼	102	23 - 161	5	50
Methyl tert-butyl ether	ND		0.0506	0.05571		mg/Kg	☼	110	28 - 141	7	50
Toluene	ND		0.0506	0.05409		mg/Kg	☼	107	30 - 155	6	50
Xylenes, Total	ND		0.152	0.1554		mg/Kg	☼	102	25 - 162	6	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: MB 490-65330/6 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65330

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200		mg/Kg			03/15/13 10:46	1
Ethylbenzene	ND		0.00200		mg/Kg			03/15/13 10:46	1
Methyl tert-butyl ether	ND		0.00200		mg/Kg			03/15/13 10:46	1
Toluene	ND		0.00200		mg/Kg			03/15/13 10:46	1
Xylenes, Total	ND		0.00500		mg/Kg			03/15/13 10:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*03/15/13 10:46*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*03/15/13 10:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*03/15/13 10:46*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*03/15/13 10:46*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-65330/7 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65330

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.100		mg/Kg			03/15/13 11:17	1
Ethylbenzene	ND		0.100		mg/Kg			03/15/13 11:17	1
Methyl tert-butyl ether	ND		0.100		mg/Kg			03/15/13 11:17	1
Toluene	ND		0.100		mg/Kg			03/15/13 11:17	1
Xylenes, Total	ND		0.250		mg/Kg			03/15/13 11:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*03/15/13 11:17*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*03/15/13 11:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*03/15/13 11:17*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*03/15/13 11:17*	*1*

Lab Sample ID: LCS 490-65330/3 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65330

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.04521		mg/Kg		90	75 - 127
Ethylbenzene	0.0500	0.04440		mg/Kg		89	80 - 134
Methyl tert-butyl ether	0.0500	0.04573		mg/Kg		91	70 - 136
Toluene	0.0500	0.04497		mg/Kg		90	80 - 132
Xylenes, Total	0.150	0.1329		mg/Kg		89	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 490-65330/4 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65330

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.04622		mg/Kg		92	75 - 127	2	50
Ethylbenzene	0.0500	0.04571		mg/Kg		91	80 - 134	3	50
Methyl tert-butyl ether	0.0500	0.04690		mg/Kg		94	70 - 136	3	50
Toluene	0.0500	0.04593		mg/Kg		92	80 - 132	2	50
Xylenes, Total	0.150	0.1376		mg/Kg		92	80 - 137	3	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*103*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-65727/5 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 65727

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L			03/18/13 14:45	1
Ethylbenzene	ND		1.00		ug/L			03/18/13 14:45	1
Methyl tert-butyl ether	ND		1.00		ug/L			03/18/13 14:45	1
Toluene	ND		1.00		ug/L			03/18/13 14:45	1
Xylenes, Total	ND		3.00		ug/L			03/18/13 14:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*03/18/13 14:45*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*03/18/13 14:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*03/18/13 14:45*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*03/18/13 14:45*	*1*

Lab Sample ID: LCS 490-65727/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 65727

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	41.60		ug/L		83	80 - 121
Ethylbenzene	50.0	42.65		ug/L		85	80 - 130
Methyl tert-butyl ether	50.0	48.22		ug/L		96	72 - 133
Toluene	50.0	41.43		ug/L		83	80 - 126
Xylenes, Total	150	122.9		ug/L		82	80 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: LCSD 490-65727/4 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 65727

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	50.0	40.94		ug/L		82	80 - 121	2	17
Ethylbenzene	50.0	42.21		ug/L		84	80 - 130	1	15
Methyl tert-butyl ether	50.0	49.77		ug/L		100	72 - 133	3	16
Toluene	50.0	40.97		ug/L		82	80 - 126	1	15
Xylenes, Total	150	121.5		ug/L		81	80 - 132	1	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-21877-B-3 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 65727

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		50.0	31.21	F	ug/L		62	75 - 133
Ethylbenzene	ND		50.0	32.84	F	ug/L		64	79 - 139
Methyl tert-butyl ether	ND		50.0	32.71	F	ug/L		65	66 - 141
Toluene	ND		50.0	31.63	F	ug/L		63	75 - 136
Xylenes, Total	6.09		150	98.29	F	ug/L		61	74 - 141

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: 490-21877-C-3 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 65727

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		50.0	36.53	F	ug/L		73	75 - 133	16	17
Ethylbenzene	ND		50.0	37.72	F	ug/L		74	79 - 139	14	15
Methyl tert-butyl ether	ND		50.0	40.61	F	ug/L		81	66 - 141	22	16
Toluene	ND		50.0	36.26	F	ug/L		72	75 - 136	14	15
Xylenes, Total	6.09		150	112.2	F	ug/L		71	74 - 141	13	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 490-64948/8 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 64948

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		100		ug/L			03/14/13 10:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*91*		*50 - 150*		*03/14/13 10:46*	*1*

Lab Sample ID: LCS 490-64948/5 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 64948

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	1000	1044		ug/L		104	66 - 140

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCS 490-64948/5
Matrix: Water
Analysis Batch: 64948

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene	78		50 - 150

Lab Sample ID: LCSD 490-64948/6
Matrix: Water
Analysis Batch: 64948

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10			1000	1016		ug/L		102	66 - 140	3	42

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
a,a,a-Trifluorotoluene	78		50 - 150

Lab Sample ID: 490-21638-D-5-A MS
Matrix: Solid
Analysis Batch: 65156

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 65119

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
C6-C10	5.06		475	474.2		mg/Kg		99	56 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
a,a,a-Trifluorotoluene	108		50 - 150

Lab Sample ID: 490-21638-D-5-A MSD
Matrix: Solid
Analysis Batch: 65156

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 65119

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	5.06		475	413.6		mg/Kg		86	56 - 130	14	21

Surrogate	MSD %Recovery	MSD Qualifier	Limits
a,a,a-Trifluorotoluene	99		50 - 150

Lab Sample ID: MB 490-65156/13
Matrix: Solid
Analysis Batch: 65156

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		5.00		mg/Kg			03/14/13 15:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	94		50 - 150		03/14/13 15:57	1

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: MB 490-65156/14 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65156

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		5.00		mg/Kg			03/14/13 16:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*82*		*50 - 150*		*03/14/13 16:18*	*1*

Lab Sample ID: LCS 490-65156/10 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65156

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	10.0	10.46		mg/Kg		105	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*113*		*50 - 150*

Lab Sample ID: LCS 490-65156/9 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65156

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C10	10.0	8.934		mg/Kg		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*104*		*50 - 150*

Lab Sample ID: LCSD 490-65156/37 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65156

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	10.0	9.854		mg/Kg		99	70 - 130	10	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*96*		*50 - 150*

Lab Sample ID: LCSD 490-65156/38 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65156

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C10	10.0	10.38		mg/Kg		104	70 - 130	15	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*104*		*50 - 150*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 490-64959/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65140 — **Prep Batch: 64959**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		5.00		mg/Kg		03/14/13 07:34	03/14/13 23:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*83*		*50 - 150*	*03/14/13 07:34*	*03/14/13 23:34*	*1*

Lab Sample ID: LCS 490-64959/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65140 — **Prep Batch: 64959**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	40.0	32.69		mg/Kg		82	54 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*95*		*50 - 150*

Lab Sample ID: 490-21647-1 MS — **Client Sample ID: B3-32**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65140 — **Prep Batch: 64959**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	12.4		51.0	57.17		mg/Kg	☼	88	10 - 142

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl (Surr)	*93*		*50 - 150*

Lab Sample ID: 490-21647-1 MSD — **Client Sample ID: B3-32**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65140 — **Prep Batch: 64959**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	12.4		51.4	71.66		mg/Kg	☼	115	10 - 142	22	47

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl (Surr)	*102*		*50 - 150*

Lab Sample ID: MB 490-65173/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 65397 — **Prep Batch: 65173**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		100		ug/L		03/14/13 14:41	03/15/13 13:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*72*		*50 - 150*	*03/14/13 14:41*	*03/15/13 13:32*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 490-65173/2-A
Matrix: Water
Analysis Batch: 65397

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65173

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			1000	563.7		ug/L		56	46 - 132		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*63*		*50 - 150*

Method: Moisture - Percent Moisture

Lab Sample ID: 490-21647-1 DU
Matrix: Solid
Analysis Batch: 64989

Client Sample ID: B3-32
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	23			23		%				1	20
Percent Solids	77			77		%				0.4	20

QC Association Summary

Client: URS Corporation
Project/Site: Potomac River Generating Station

TestAmerica Job ID: 490-21647-1

GC/MS VOA

Analysis Batch: 65034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21647-1	B3-32	Total/NA	Solid	8260B	65130
490-21647-3	B3-31	Total/NA	Solid	8260B	65193
490-21647-3	B3-31	Total/NA	Solid	8260B	65130
490-21647-4	B7-8	Total/NA	Solid	8260B	65130
490-21647-6	B7-12	Total/NA	Solid	8260B	65130
490-21647-7	B5-31	Total/NA	Solid	8260B	65130
490-21647-8	B4-32	Total/NA	Solid	8260B	65130
490-21647-9	B5-24	Total/NA	Solid	8260B	65193
490-21647-10	B4-24	Total/NA	Solid	8260B	65130
490-21647-11	B1-33	Total/NA	Solid	8260B	65130
490-21647-11 MS	B1-33	Total/NA	Solid	8260B	65130
490-21647-11 MSD	B1-33	Total/NA	Solid	8260B	65130
LCS 490-65034/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-65034/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-65034/6	Method Blank	Total/NA	Solid	8260B	
MB 490-65034/7	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 65059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21647-2	TRIP BLANK	Total/NA	Water	8260B	
490-21647-13	B-5	Total/NA	Water	8260B	
490-21647-14	B-3	Total/NA	Water	8260B	
490-21647-15	B-4	Total/NA	Water	8260B	
490-21653-A-1 MS	Matrix Spike	Total/NA	Water	8260B	
490-21653-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 490-65059/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-65059/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-65059/5	Method Blank	Total/NA	Water	8260B	

Prep Batch: 65130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21647-1	B3-32	Total/NA	Solid	5030B	
490-21647-3	B3-31	Total/NA	Solid	5030B	
490-21647-4	B7-8	Total/NA	Solid	5030B	
490-21647-5	B1-21	Total/NA	Solid	5030B	
490-21647-6	B7-12	Total/NA	Solid	5030B	
490-21647-7	B5-31	Total/NA	Solid	5030B	
490-21647-8	B4-32	Total/NA	Solid	5030B	
490-21647-10	B4-24	Total/NA	Solid	5030B	
490-21647-11	B1-33	Total/NA	Solid	5030B	
490-21647-11 MS	B1-33	Total/NA	Solid	5030B	
490-21647-11 MSD	B1-33	Total/NA	Solid	5030B	

Prep Batch: 65193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21647-3	B3-31	Total/NA	Solid	5030B	
490-21647-5	B1-21	Total/NA	Solid	5030B	
490-21647-8	B4-32	Total/NA	Solid	5030B	
490-21647-9	B5-24	Total/NA	Solid	5030B	
490-21647-10	B4-24	Total/NA	Solid	5030B	

GC/MS VOA (Continued)

Analysis Batch: 65330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21647-5	B1-21	Total/NA	Solid	8260B	65130
490-21647-5	B1-21	Total/NA	Solid	8260B	65193
490-21647-8	B4-32	Total/NA	Solid	8260B	65193
490-21647-10	B4-24	Total/NA	Solid	8260B	65193
490-21647-10	B4-24	Total/NA	Solid	8260B	65193
LCS 490-65330/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-65330/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-65330/6	Method Blank	Total/NA	Solid	8260B	
MB 490-65330/7	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 65727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21647-12	B-1	Total/NA	Water	8260B	
490-21877-B-3 MS	Matrix Spike	Total/NA	Water	8260B	
490-21877-C-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 490-65727/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 490-65727/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 490-65727/5	Method Blank	Total/NA	Water	8260B	

GC VOA

Prep Batch: 64914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21647-1	B3-32	Total/NA	Solid	5030B	
490-21647-3	B3-31	Total/NA	Solid	5030B	
490-21647-4	B7-8	Total/NA	Solid	5030B	
490-21647-5	B1-21	Total/NA	Solid	5030B	
490-21647-6	B7-12	Total/NA	Solid	5030B	
490-21647-7	B5-31	Total/NA	Solid	5030B	
490-21647-8	B4-32	Total/NA	Solid	5030B	
490-21647-9	B5-24	Total/NA	Solid	5030B	
490-21647-10	B4-24	Total/NA	Solid	5030B	
490-21647-11	B1-33	Total/NA	Solid	5030B	

Analysis Batch: 64948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21647-12	B-1	Total/NA	Water	8015B	
490-21647-13	B-5	Total/NA	Water	8015B	
490-21647-14	B-3	Total/NA	Water	8015B	
490-21647-15	B-4	Total/NA	Water	8015B	
LCS 490-64948/5	Lab Control Sample	Total/NA	Water	8015B	
LCSD 490-64948/6	Lab Control Sample Dup	Total/NA	Water	8015B	
MB 490-64948/8	Method Blank	Total/NA	Water	8015B	

Prep Batch: 65119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21638-D-5-A MS	Matrix Spike	Total/NA	Solid	5030B	
490-21638-D-5-A MSD	Matrix Spike Duplicate	Total/NA	Solid	5030B	

GC VOA (Continued)

Analysis Batch: 65156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21638-D-5-A MS	Matrix Spike	Total/NA	Solid	8015B	65119
490-21638-D-5-A MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	65119
490-21647-1	B3-32	Total/NA	Solid	8015B	64914
490-21647-3	B3-31	Total/NA	Solid	8015B	64914
490-21647-4	B7-8	Total/NA	Solid	8015B	64914
490-21647-5	B1-21	Total/NA	Solid	8015B	64914
490-21647-6	B7-12	Total/NA	Solid	8015B	64914
490-21647-7	B5-31	Total/NA	Solid	8015B	64914
490-21647-8	B4-32	Total/NA	Solid	8015B	64914
490-21647-9	B5-24	Total/NA	Solid	8015B	64914
490-21647-10	B4-24	Total/NA	Solid	8015B	64914
490-21647-11	B1-33	Total/NA	Solid	8015B	64914
LCS 490-65156/10	Lab Control Sample	Total/NA	Solid	8015B	
LCS 490-65156/9	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 490-65156/37	Lab Control Sample Dup	Total/NA	Solid	8015B	
LCSD 490-65156/38	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 490-65156/13	Method Blank	Total/NA	Solid	8015B	
MB 490-65156/14	Method Blank	Total/NA	Solid	8015B	

GC Semi VOA

Prep Batch: 64959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21647-1	B3-32	Total/NA	Solid	3550B	
490-21647-1 MS	B3-32	Total/NA	Solid	3550B	
490-21647-1 MSD	B3-32	Total/NA	Solid	3550B	
490-21647-3	B3-31	Total/NA	Solid	3550B	
490-21647-4	B7-8	Total/NA	Solid	3550B	
490-21647-5	B1-21	Total/NA	Solid	3550B	
490-21647-6	B7-12	Total/NA	Solid	3550B	
490-21647-7	B5-31	Total/NA	Solid	3550B	
490-21647-8	B4-32	Total/NA	Solid	3550B	
490-21647-9	B5-24	Total/NA	Solid	3550B	
490-21647-10	B4-24	Total/NA	Solid	3550B	
490-21647-11	B1-33	Total/NA	Solid	3550B	
LCS 490-64959/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 490-64959/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 65140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21647-1	B3-32	Total/NA	Solid	8015B	64959
490-21647-1 MS	B3-32	Total/NA	Solid	8015B	64959
490-21647-1 MSD	B3-32	Total/NA	Solid	8015B	64959
490-21647-3	B3-31	Total/NA	Solid	8015B	64959
490-21647-4	B7-8	Total/NA	Solid	8015B	64959
490-21647-5	B1-21	Total/NA	Solid	8015B	64959
490-21647-6	B7-12	Total/NA	Solid	8015B	64959
490-21647-7	B5-31	Total/NA	Solid	8015B	64959
490-21647-8	B4-32	Total/NA	Solid	8015B	64959
490-21647-9	B5-24	Total/NA	Solid	8015B	64959

GC Semi VOA (Continued)

Analysis Batch: 65140 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21647-10	B4-24	Total/NA	Solid	8015B	64959
490-21647-11	B1-33	Total/NA	Solid	8015B	64959
LCS 490-64959/2-A	Lab Control Sample	Total/NA	Solid	8015B	64959
MB 490-64959/1-A	Method Blank	Total/NA	Solid	8015B	64959

Prep Batch: 65173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21647-13	B-5	Total/NA	Water	3510C	
490-21647-14	B-3	Total/NA	Water	3510C	
490-21647-15	B-4	Total/NA	Water	3510C	
LCS 490-65173/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 490-65173/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 65397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21647-14	B-3	Total/NA	Water	8015B	65173
LCS 490-65173/2-A	Lab Control Sample	Total/NA	Water	8015B	65173
MB 490-65173/1-A	Method Blank	Total/NA	Water	8015B	65173

Analysis Batch: 65757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21647-13	B-5	Total/NA	Water	8015B	65173
490-21647-15	B-4	Total/NA	Water	8015B	65173

General Chemistry

Analysis Batch: 64989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21647-1	B3-32	Total/NA	Solid	Moisture	
490-21647-1 DU	B3-32	Total/NA	Solid	Moisture	
490-21647-3	B3-31	Total/NA	Solid	Moisture	
490-21647-4	B7-8	Total/NA	Solid	Moisture	
490-21647-5	B1-21	Total/NA	Solid	Moisture	
490-21647-6	B7-12	Total/NA	Solid	Moisture	
490-21647-7	B5-31	Total/NA	Solid	Moisture	
490-21647-8	B4-32	Total/NA	Solid	Moisture	
490-21647-9	B5-24	Total/NA	Solid	Moisture	
490-21647-10	B4-24	Total/NA	Solid	Moisture	
490-21647-11	B1-33	Total/NA	Solid	Moisture	

Lab Chronicle

Client: URS Corporation
Project/Site: Potomac River Generating Station

TestAmerica Job ID: 490-21647-1

Client Sample ID: B3-32 — Lab Sample ID: 490-21647-1

Date Collected: 03/07/13 10:15 — **Matrix: Solid**
Date Received: 03/13/13 08:10 — **Percent Solids: 76.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			65130	03/14/13 13:06	KK	TAL NSH
Total/NA	Analysis	8260B		1	65034	03/14/13 13:26	KK	TAL NSH
Total/NA	Prep	5030B			64914	03/13/13 17:01	ML	TAL NSH
Total/NA	Analysis	8015B		1	65156	03/14/13 19:04	BH	TAL NSH
Total/NA	Prep	3550B			64959	03/14/13 07:34	AK	TAL NSH
Total/NA	Analysis	8015B		1	65140	03/15/13 00:07	JL	TAL NSH
Total/NA	Analysis	Moisture		1	64989	03/14/13 08:33	RS	TAL NSH

Client Sample ID: TRIP BLANK — Lab Sample ID: 490-21647-2

Date Collected: 03/11/13 00:01 — **Matrix: Water**
Date Received: 03/13/13 08:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	65059	03/14/13 13:56	MG	TAL NSH

Client Sample ID: B3-31 — Lab Sample ID: 490-21647-3

Date Collected: 03/07/13 10:30 — **Matrix: Solid**
Date Received: 03/13/13 08:10 — **Percent Solids: 84.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			65193	03/14/13 15:10	ML	TAL NSH
Total/NA	Analysis	8260B		1	65034	03/14/13 18:37	KK	TAL NSH
Total/NA	Prep	5030B			65130	03/14/13 13:06	KK	TAL NSH
Total/NA	Analysis	8260B		1	65034	03/14/13 13:57	KK	TAL NSH
Total/NA	Prep	5030B			64914	03/13/13 17:01	ML	TAL NSH
Total/NA	Analysis	8015B		1	65156	03/14/13 19:24	BH	TAL NSH
Total/NA	Prep	3550B			64959	03/14/13 07:34	AK	TAL NSH
Total/NA	Analysis	8015B		50	65140	03/15/13 12:59	JL	TAL NSH
Total/NA	Analysis	Moisture		1	64989	03/14/13 08:33	RS	TAL NSH

Client Sample ID: B7-8 — Lab Sample ID: 490-21647-4

Date Collected: 03/11/13 11:00 — **Matrix: Solid**
Date Received: 03/13/13 08:10 — **Percent Solids: 88.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			65130	03/14/13 13:06	KK	TAL NSH
Total/NA	Analysis	8260B		1	65034	03/14/13 14:28	KK	TAL NSH
Total/NA	Prep	5030B			64914	03/13/13 17:01	ML	TAL NSH
Total/NA	Analysis	8015B		1	65156	03/14/13 19:45	BH	TAL NSH
Total/NA	Prep	3550B			64959	03/14/13 07:34	AK	TAL NSH
Total/NA	Analysis	8015B		1	65140	03/15/13 11:38	JL	TAL NSH
Total/NA	Analysis	Moisture		1	64989	03/14/13 08:33	RS	TAL NSH

Lab Chronicle

Client: URS Corporation
Project/Site: Potomac River Generating Station

TestAmerica Job ID: 490-21647-1

Client Sample ID: B1-21 — Lab Sample ID: 490-21647-5

Date Collected: 03/07/13 16:45 — **Matrix: Solid**
Date Received: 03/13/13 08:10 — **Percent Solids: 75.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			65130	03/14/13 13:06	KK	TAL NSH
Total/NA	Analysis	8260B		1	65330	03/15/13 13:22	KK	TAL NSH
Total/NA	Prep	5030B			65193	03/14/13 15:10	ML	TAL NSH
Total/NA	Analysis	8260B		1	65330	03/15/13 13:53	KK	TAL NSH
Total/NA	Prep	5030B			64914	03/13/13 17:01	ML	TAL NSH
Total/NA	Analysis	8015B		1	65156	03/14/13 20:06	BH	TAL NSH
Total/NA	Prep	3550B			64959	03/14/13 07:34	AK	TAL NSH
Total/NA	Analysis	8015B		10	65140	03/15/13 12:43	JL	TAL NSH
Total/NA	Analysis	Moisture		1	64989	03/14/13 08:33	RS	TAL NSH

Client Sample ID: B7-12 — Lab Sample ID: 490-21647-6

Date Collected: 03/11/13 11:00 — **Matrix: Solid**
Date Received: 03/13/13 08:10 — **Percent Solids: 83.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			65130	03/14/13 13:06	KK	TAL NSH
Total/NA	Analysis	8260B		1	65034	03/14/13 15:00	KK	TAL NSH
Total/NA	Prep	5030B			64914	03/13/13 17:01	ML	TAL NSH
Total/NA	Analysis	8015B		1	65156	03/14/13 20:27	BH	TAL NSH
Total/NA	Prep	3550B			64959	03/14/13 07:34	AK	TAL NSH
Total/NA	Analysis	8015B		10	65140	03/15/13 01:44	JL	TAL NSH
Total/NA	Analysis	Moisture		1	64989	03/14/13 08:33	RS	TAL NSH

Client Sample ID: B5-31 — Lab Sample ID: 490-21647-7

Date Collected: 03/08/13 09:50 — **Matrix: Solid**
Date Received: 03/13/13 08:10 — **Percent Solids: 75.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			65130	03/14/13 13:06	KK	TAL NSH
Total/NA	Analysis	8260B		1	65034	03/14/13 16:02	KK	TAL NSH
Total/NA	Prep	5030B			64914	03/13/13 17:01	ML	TAL NSH
Total/NA	Analysis	8015B		1	65156	03/14/13 20:47	BH	TAL NSH
Total/NA	Prep	3550B			64959	03/14/13 07:34	AK	TAL NSH
Total/NA	Analysis	8015B		1	65140	03/15/13 02:00	JL	TAL NSH
Total/NA	Analysis	Moisture		1	64989	03/14/13 08:33	RS	TAL NSH

Client Sample ID: B4-32 — Lab Sample ID: 490-21647-8

Date Collected: 03/07/13 12:50 — **Matrix: Solid**
Date Received: 03/13/13 08:10 — **Percent Solids: 85.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			65130	03/14/13 13:06	KK	TAL NSH
Total/NA	Analysis	8260B		1	65034	03/14/13 16:33	KK	TAL NSH

Lab Chronicle

Client: URS Corporation
Project/Site: Potomac River Generating Station

TestAmerica Job ID: 490-21647-1

Client Sample ID: B4-32 — Lab Sample ID: 490-21647-8

Date Collected: 03/07/13 12:50 — **Matrix: Solid**
Date Received: 03/13/13 08:10 — **Percent Solids: 85.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			65193	03/14/13 15:10	ML	TAL NSH
Total/NA	Analysis	8260B		1	65330	03/15/13 11:49	KK	TAL NSH
Total/NA	Prep	5030B			64914	03/13/13 17:01	ML	TAL NSH
Total/NA	Analysis	8015B		1	65156	03/14/13 22:31	BH	TAL NSH
Total/NA	Prep	3550B			64959	03/14/13 07:34	AK	TAL NSH
Total/NA	Analysis	8015B		50	65140	03/15/13 13:15	JL	TAL NSH
Total/NA	Analysis	Moisture		1	64989	03/14/13 08:33	RS	TAL NSH

Client Sample ID: B5-24 — Lab Sample ID: 490-21647-9

Date Collected: 03/08/13 10:00 — **Matrix: Solid**
Date Received: 03/13/13 08:10 — **Percent Solids: 83.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			65193	03/14/13 15:10	ML	TAL NSH
Total/NA	Analysis	8260B		1	65034	03/14/13 19:08	KK	TAL NSH
Total/NA	Prep	5030B			64914	03/13/13 17:01	ML	TAL NSH
Total/NA	Analysis	8015B		1	65156	03/14/13 22:52	BH	TAL NSH
Total/NA	Prep	3550B			64959	03/14/13 07:34	AK	TAL NSH
Total/NA	Analysis	8015B		50	65140	03/15/13 13:32	JL	TAL NSH
Total/NA	Analysis	Moisture		1	64989	03/14/13 08:33	RS	TAL NSH

Client Sample ID: B4-24 — Lab Sample ID: 490-21647-10

Date Collected: 03/07/13 12:15 — **Matrix: Solid**
Date Received: 03/13/13 08:10 — **Percent Solids: 86.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			65130	03/14/13 13:06	KK	TAL NSH
Total/NA	Analysis	8260B		1	65034	03/14/13 17:04	KK	TAL NSH
Total/NA	Prep	5030B			65193	03/14/13 15:10	ML	TAL NSH
Total/NA	Analysis	8260B		20	65330	03/15/13 12:51	KK	TAL NSH
Total/NA	Analysis	8260B		1	65330	03/15/13 12:20	KK	TAL NSH
Total/NA	Prep	5030B			64914	03/13/13 17:01	ML	TAL NSH
Total/NA	Analysis	8015B		1	65156	03/14/13 23:12	BH	TAL NSH
Total/NA	Prep	3550B			64959	03/14/13 07:34	AK	TAL NSH
Total/NA	Analysis	8015B		50	65140	03/15/13 13:48	JL	TAL NSH
Total/NA	Analysis	Moisture		1	64989	03/14/13 08:33	RS	TAL NSH

Client Sample ID: B1-33 — Lab Sample ID: 490-21647-11

Date Collected: 03/07/13 16:30 — **Matrix: Solid**
Date Received: 03/13/13 08:10 — **Percent Solids: 84.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			65130	03/14/13 13:06	KK	TAL NSH

Lab Chronicle

Client: URS Corporation
Project/Site: Potomac River Generating Station

TestAmerica Job ID: 490-21647-1

Client Sample ID: B1-33 — Lab Sample ID: 490-21647-11

Date Collected: 03/07/13 16:30 — **Matrix: Solid**
Date Received: 03/13/13 08:10 — **Percent Solids: 84.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	65034	03/14/13 15:31	KK	TAL NSH
Total/NA	Prep	5030B			64914	03/13/13 17:01	ML	TAL NSH
Total/NA	Analysis	8015B		1	65156	03/14/13 21:08	BH	TAL NSH
Total/NA	Prep	3550B			64959	03/14/13 07:34	AK	TAL NSH
Total/NA	Analysis	8015B		1	65140	03/15/13 11:54	JL	TAL NSH
Total/NA	Analysis	Moisture		1	64989	03/14/13 08:33	RS	TAL NSH

Client Sample ID: B-1 — Lab Sample ID: 490-21647-12

Date Collected: 03/11/13 15:00 — **Matrix: Water**
Date Received: 03/13/13 08:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	65727	03/18/13 16:37	MG	TAL NSH
Total/NA	Analysis	8015B		1	64948	03/14/13 11:16	GM	TAL NSH

Client Sample ID: B-5 — Lab Sample ID: 490-21647-13

Date Collected: 03/11/13 12:50 — **Matrix: Water**
Date Received: 03/13/13 08:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	65059	03/14/13 16:45	MG	TAL NSH
Total/NA	Analysis	8015B		1	64948	03/14/13 11:46	GM	TAL NSH
Total/NA	Prep	3510C			65173	03/14/13 14:41	CH	TAL NSH
Total/NA	Analysis	8015B		25	65757	03/18/13 14:03	JL	TAL NSH

Client Sample ID: B-3 — Lab Sample ID: 490-21647-14

Date Collected: 03/08/13 15:00 — **Matrix: Water**
Date Received: 03/13/13 08:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	65059	03/14/13 17:14	MG	TAL NSH
Total/NA	Analysis	8015B		1	64948	03/14/13 12:17	GM	TAL NSH
Total/NA	Prep	3510C			65173	03/14/13 14:41	CH	TAL NSH
Total/NA	Analysis	8015B		1	65397	03/15/13 15:06	JF	TAL NSH

Client Sample ID: B-4 — Lab Sample ID: 490-21647-15

Date Collected: 03/11/13 09:00 — **Matrix: Water**
Date Received: 03/13/13 08:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	65059	03/14/13 17:42	MG	TAL NSH
Total/NA	Analysis	8015B		1	64948	03/14/13 12:47	GM	TAL NSH

Lab Chronicle

Client: URS Corporation
Project/Site: Potomac River Generating Station

TestAmerica Job ID: 490-21647-1

Client Sample ID: B-4

Lab Sample ID: 490-21647-15

Date Collected: 03/11/13 09:00

Matrix: Water

Date Received: 03/13/13 08:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			65173	03/14/13 14:41	CH	TAL NSH
Total/NA	Analysis	8015B		25	65757	03/18/13 14:18	JL	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: URS Corporation
Project/Site: Potomac River Generating Station

TestAmerica Job ID: 490-21647-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8015B	Gasoline Range Organics - (GC)	SW846	TAL NSH
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL NSH
Moisture	Percent Moisture	EPA	TAL NSH

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: URS Corporation
Project/Site: Potomac River Generating Station

TestAmerica Job ID: 490-21647-1

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-13
Arkansas DEQ	State Program	6	88-0737	04-25-13
California	NELAP	9	1168CA	10-31-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13
Illinois	NELAP	5	200010	12-09-13
Iowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-13
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-09-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-13
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oklahoma	State Program	6	9412	08-31-13
Oregon	NELAP	10	TN200001	04-30-13
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	03-28-14
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-14
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

490-21647 Chain of Custody

COOLER RECEIPT FORM

Cooler Received/Opened On : 03/13/13 @ 0810

Tracking # 0066 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID: 95610068

1. Temperature of rep. sample or temp blank when opened: 7.2 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

   If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES NO NA

   Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None → water. WW

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

   b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) WW

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

   b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) WW

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) WW

I certify that I attached a label with the unique LIMS number to each container (intial) WW

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

#10) B-1 - both amber liters B.I.S. WW

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

3/21/2013

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

Loc: 490
21647
#12
A

COOLER RECEIPT FORM

Cooler Received/Opened On_____3/13/2013 @ 0810_____

1. Tracking # 0077 (last 4 digits, FedEx)

Courier: ____FedEx_____ IR Gun ID___18290455___

2. Temperature of rep. sample or temp blank when opened: 3.9 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) NH

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) m

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) m

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) m

I certify that I attached a label with the unique LIMS number to each container (intial) m

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...#_____

#11) The vials for all of the samples, except B-3, had not labels on them. The labels were attached to the plastic baggies the samples came in. m

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

3/21/2013

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-0954

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Loc: 490
21647

3/21/2013

Client Information	Sampler: E Schmieg	Lab PM: Gartner, Cathy	Carrier Tracking No(s):	COC No: 490-8904-4036.1
Client Contact: Mike Myers	Phone: (301) 338-4799	E-Mail: cathy.gartner@testamericainc.com		Page: Page 1 of 4
Company: URS Corporation				Job #:
Address: 12420 Milestone Center Drive Ste 150	Due Date Requested:			
City: Germantown	TAT Requested (days): 5			
State, Zip: MD, 20876				
Phone: 301-2585892(Tel)	PO #: 280822US			
Email: mike.myers@urs.com	WO #: V# 1427536			
Project Name: NRG Energy	Project #: 49003128			
Site: Potomac River Generating Station	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015B_GRO, 8260B	8015B_DRO - Diesel Range Organics (C10-C28)	8260B - BTEX + MTBE	8016B_DRO, Moisture	8016B_GRO, 8260B	8260B - BTEX + MTBE	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A	A	N	N	E		
B3-32	3/7/13	10:15	G	S	N	N				X	X		2	-1
TRIP BLANK	—	—	—	W								X	1	2
B3-31	3/7/13	10:30	G	S						X	X		2	3
B7-8	3/11/13	11:00	G	S						X	X		2	4
B1-21	3/7/13	16:45	G	S						X	X		2	5
B7-12	3/11/13	11:00	G	S						X	X		2	6
B5-31	3/8/13	09:50	G	S						X	X		2	7
B4-32	3/7/13	12:50	G	S						X	X		2	8
B5-24	3/8/13	10:00	G	S						X	X		2	9
B4-24	3/7/13	12:15	G	S						X	X		2	10
B1-33	3/7/13	16:30	G	S						X	X		2	11

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	3/11/13 / 2000		FEDEX	3/11/13 / 22:00	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
			[signature]	3-13-13 @ 0810	TAN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 3.9 / 7.2c

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Phone (615) 726-0177 Fax (615) 726-0954

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Loc: 490
21647
#12
B

3/21/2013

Client Information	Sampler: E Schmieg	Lab PM: Gartner, Cathy	Carrier Tracking No(s):	COC No: 490-8904-4036.2
Client Contact: Mike Myers	Phone: (301) 338-[illegible]	E-Mail: cathy.gartner@testamericainc.com		Page: Page 2 of 4
Company: URS Corporation				Job #:
Address: 12420 Milestone Center Drive Ste 150	Due Date Requested:			
City: Germantown	TAT Requested (days): 5			
State, Zip: MD, 20876				
Phone: 301-2585892(Tel)	PO #: 280822US			
Email: mike.myers@urs.com	WO #: V# 1427536			
Project Name: NRG Energy	Project #: 49003128			
Site: Potomac River Generating Station	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015B_GRO, 8260B	8015B_DRO - Diesel Range Organics (C10-C28)	8260B - BTEX + MTBE	8015B_DRO, Moisture	8015B_GRO, 8260B	8260B - BTEX + MTBE	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A	A	N	N	E		
B-1	3/11/13	15:00	G	W			X	X	X				5	12
B-1	3/11/13	15:00	G	W				X					2	1
B-5	3/11/13	12:50	G	W			X		X				6	13
B-5	3/11/13	12:50	G	W				X					2	1
B-3	3/8/13	15:00	G	W			X		X				6	14
B-3	3/8/13	15:00	G	W				X					2	1
B-4	3/11/13	09:00	G	W			X		X				6	15
B-4	3/11/13	09:00	G	W				X					2	1

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	3/11/13 2[illegible]00		FEDEX	3/11/13 20:00	
Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 3-13-13 @ 0810	Company TAN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.9/7.2c

Gartner, Cathy

From: Myers, Mike [mike.myers@urs.com]
Sent: Thursday, March 14, 2013 5:43 AM
To: Gartner, Cathy
Cc: Rogers, Adriane
Subject: RE: NRG Energy

Hi Cathy,

Yes, please do still run the test.

Thank you.

Mike Myers
Environmental Scientist
URS Corporation
12420 Milestone Center Drive, Suite 150
Germantown, MD 20876
Direct: 301.820.3246 | Mobile: 202.746.8283 | Fax: 301.820.3409
Mike.Myers@URS.com | www.urs.com

From: Gartner, Cathy [mailto:Cathy.Gartner@testamericainc.com]
Sent: Wednesday, March 13, 2013 5:48 PM
To: Myers, Mike
Subject: NRG Energy

Mike,

One of the coolers we received today came in at 7.2 degrees instead of <6. There was some water in the bottom of the cooler.

This cooler contained liters for the DRO.

Run the test anyway?

Cathy

Cathy Gartner
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Drive
Nashville, TN 37204
Tel 615-301-5041 | Fax 615-726-3404
www.testamericainc.com

This e-mail and any attachments contain URS Corporation confidential information that may be proprietary or privileged. If you receive this message in error or are not the intended recipient, you should not retain, distribute, disclose or use any of this information and you should destroy the e-mail and any attachments or copies.

Login Sample Receipt Checklist

Client: URS Corporation

Job Number: 490-21647-1

Login Number: 21647
List Number: 1
Creator: McBride, Mike

List Source: TestAmerica Nashville

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	False	
Containers are not broken or leaking.	False	Containers received broken. No volume could be salvaged for analysis.
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix D
Flowable Fill Invoices

Vulcan
Materials Company

VIRGINIA CONCRETE COMPANY INC.
PO BOX 6250
SPRINGFIELD, VA 22150

INVOICE

Invoice No: **5051310968**
Invoice Date: **02/25/2013**
Customer Account: 30911 - 49786
Project No: 7154

REMITTANCE COPY

PLEASE REMIT TO

VIRGINIA CONCRETE COMPANY INC.
P.O. BOX 101131
ATLANTA, GA 30392

Invoice No: **5051310968**	Invoice Date: **02/25/2013**
Customer Account: 30911 - 49786	
Project No: 7154	Page No: **1 Of 2**
Terms: 2%10th-Net 25th	

TOTAL ENVIRONMENTAL CONCEPTS, INC
15 Park Ave
Gaithersburg MD 20877-2915

3300.0472

Job Name	Delivery Address
Various Locations	1400 NORTH ROYAL ST
Purchase Order No	**Lot/Block**
18074	

Ticket No	Product No	Description	Quantity	Price	Extension
Delivery Date:		**02/21/13**	**Order No:**	**344**	
8522360	101644	VDOT FLOWABLE FI	10.00	105.00	1,050.00
	85610	1 EA/YD ENVIRONMI	10.00	2.00	20.00
	85940	1 EA/YD WINTER SEF	10.00	3.50	35.00
	86100	1 EA/YD FUEL SURCI	10.00	2.70	27.00
8522461	101644	VDOT FLOWABLE FI	10.00	105.00	1,050.00
	85610	1 EA/YD ENVIRONMI	10.00	2.00	20.00
	85940	1 EA/YD WINTER SEF	10.00	3.50	35.00
	86100	1 EA/YD FUEL SURCI	10.00	2.70	27.00
8522571	101644	VDOT FLOWABLE FI	8.00	105.00	840.00
	85610	1 EA/YD ENVIRONMI	8.00	2.00	16.00
	85940	1 EA/YD WINTER SEF	8.00	3.50	28.00
	86100	1 EA/YD FUEL SURCI	8.00	2.70	21.60
8522762	101644	VDOT FLOWABLE FI	8.00	105.00	840.00
	85610	1 EA/YD ENVIRONMI	8.00	2.00	16.00
	85940	1 EA/YD WINTER SEF	8.00	3.50	28.00
	86100	1 EA/YD FUEL SURCI	8.00	2.70	21.60
8522791	101644	VDOT FLOWABLE FI	8.00	105.00	840.00
	85610	1 EA/YD ENVIRONMI	8.00	2.00	16.00
	85940	1 EA/YD WINTER SEF	8.00	3.50	28.00
	86100	1 EA/YD FUEL SURCI	8.00	2.70	21.60
8522956	101644	VDOT FLOWABLE FI	8.00	105.00	840.00
	85610	1 EA/YD ENVIRONMI	8.00	2.00	16.00
	85940	1 EA/YD WINTER SEF	8.00	3.50	28.00
	86100	1 EA/YD FUEL SURCI	8.00	2.70	21.60
8523095	101644	VDOT FLOWABLE FI	8.00	105.00	840.00
	85610	1 EA/YD ENVIRONMI	8.00	2.00	16.00
	85940	1 EA/YD WINTER SEF	8.00	3.50	28.00
	86100	1 EA/YD FUEL SURCI	8.00	2.70	21.60
8523183	101644	VDOT FLOWABLE FI	8.00	105.00	840.00
	85610	1 EA/YD ENVIRONMI	8.00	2.00	16.00
	85940	1 EA/YD WINTER SEF	8.00	3.50	28.00
	86100	1 EA/YD FUEL SURCI	8.00	2.70	21.60
8523298	101644	VDOT FLOWABLE FI	8.00	105.00	840.00
	85610	1 EA/YD ENVIRONMI	8.00	2.00	16.00
	85940	1 EA/YD WINTER SEF	8.00	3.50	28.00
	86100	1 EA/YD FUEL SURCI	8.00	2.70	21.60
8523462	101644	VDOT FLOWABLE FI	8.00	105.00	840.00
	85610	1 EA/YD ENVIRONMI	8.00	2.00	16.00
	85940	1 EA/YD WINTER SEF	8.00	3.50	28.00
	86100	1 EA/YD FUEL SURCI	8.00	2.70	21.60
8523540	101644	VDOT FLOWABLE FI	8.00	105.00	840.00
	85610	1 EA/YD ENVIRONMI	8.00	2.00	16.00
	85940	1 EA/YD WINTER SEF	8.00	3.50	28.00
	86100	1 EA/YD FUEL SURCI	8.00	2.70	21.60
8523606	101644	VDOT FLOWABLE FI	8.00	105.00	840.00
	85610	1 EA/YD ENVIRONMI	8.00	2.00	16.00
	85940	1 EA/YD WINTER SEF	8.00	3.50	28.00
	86100	1 EA/YD FUEL SURCI	8.00	2.70	21.60
8523705	101644	VDOT FLOWABLE FI	8.00	105.00	840.00
	85610	1 EA/YD ENVIRONMI	8.00	2.00	16.00
	85940	1 EA/YD WINTER SEF	8.00	3.50	28.00
	86100	1 EA/YD FUEL SURCI	8.00	2.70	21.60

Job Name
Various Locations
Delivery Address
1400 NORTH ROYAL ST

Ticket No	Product No	Quantity	Price	Extension
Delivery Date:		**02/21/13**	**Order No:**	**344**
8522360	101644	10.00	105.00	1,050.00
	85610	10.00	2.00	20.00
	85940	10.00	3.50	35.00
	86100	10.00	2.70	27.00
8522461	101644	10.00	105.00	1,050.00
	85610	10.00	2.00	20.00
	85940	10.00	3.50	35.00
	86100	10.00	2.70	27.00
8522571	101644	8.00	105.00	840.00
	85610	8.00	2.00	16.00
	85940	8.00	3.50	28.00
	86100	8.00	2.70	21.60
8522762	101644	8.00	105.00	840.00
	85610	8.00	2.00	16.00
	85940	8.00	3.50	28.00
	86100	8.00	2.70	21.60
8522791	101644	8.00	105.00	840.00
	85610	8.00	2.00	16.00
	85940	8.00	3.50	28.00
	86100	8.00	2.70	21.60
8522956	101644	8.00	105.00	840.00
	85610	8.00	2.00	16.00
	85940	8.00	3.50	28.00
	86100	8.00	2.70	21.60
8523095	101644	8.00	105.00	840.00
	85610	8.00	2.00	16.00
	85940	8.00	3.50	28.00
	86100	8.00	2.70	21.60
8523183	101644	8.00	105.00	840.00
	85610	8.00	2.00	16.00
	85940	8.00	3.50	28.00
	86100	8.00	2.70	21.60
8523298	101644	8.00	105.00	840.00
	85610	8.00	2.00	16.00
	85940	8.00	3.50	28.00
	86100	8.00	2.70	21.60
8523462	101644	8.00	105.00	840.00
	85610	8.00	2.00	16.00
	85940	8.00	3.50	28.00
	86100	8.00	2.70	21.60
8523540	101644	8.00	105.00	840.00
	85610	8.00	2.00	16.00
	85940	8.00	3.50	28.00
	86100	8.00	2.70	21.60
8523606	101644	8.00	105.00	840.00
	85610	8.00	2.00	16.00
	85940	8.00	3.50	28.00
	86100	8.00	2.70	21.60
8523705	101644	8.00	105.00	840.00
	85610	8.00	2.00	16.00
	85940	8.00	3.50	28.00
	86100	8.00	2.70	21.60

Vulcan Materials Company

VIRGINIA CONCRETE COMPANY INC.
PO BOX 6250
SPRINGFIELD, VA 22150

INVOICE

Invoice No: **5051310968**
Invoice Date: **02/25/2013**
Customer Account: 30911 - 49786
Project No: 7154

REMITTANCE COPY

PLEASE REMIT TO

VIRGINIA CONCRETE COMPANY INC.
P.O. BOX 101131
ATLANTA, GA 30392

Invoice No: **5051310968**	Invoice Date: **02/25/2013**
Customer Account: 30911 - 49786	
Project No: 7154	Page No: **2 Of 2**
Terms: 2%10th-Net 25th	

TOTAL ENVIRONMENTAL CONCEPTS, INC
15 Park Ave
Gaithersburg MD 20877-2915

Job Name	Delivery Address
Various Locations	1400 NORTH ROYAL ST
Purchase Order No	Lot/Block
18074	

Ticket No	Product No	Description	Quantity	Price	Extension
Delivery Date:		**02/21/13**	**Order No:**	**344**	
8523823	101644	VDOT FLOWABLE FI	8.00	105.00	840.00
	85610	1 EA/YD ENVIRONMI	8.00	2.00	16.00
	85940	1 EA/YD WINTER SEF	8.00	3.50	28.00
	86100	1 EA/YD FUEL SURCI	8.00	2.70	21.60
8523912	101644	VDOT FLOWABLE FI	8.00	105.00	840.00
	85610	1 EA/YD ENVIRONMI	8.00	2.00	16.00
	85940	1 EA/YD WINTER SEF	8.00	3.50	28.00
	86100	1 EA/YD FUEL SURCI	8.00	2.70	21.60
8523987	101644	VDOT FLOWABLE FI	8.00	105.00	840.00
	85610	1 EA/YD ENVIRONMI	8.00	2.00	16.00
	85940	1 EA/YD WINTER SEF	8.00	3.50	28.00
	86100	1 EA/YD FUEL SURCI	8.00	2.70	21.60

****
Please contact your Credit representative if you are interested in receiving your invoices
*electronically. *
****

Job Name
Various Locations
Delivery Address
1400 NORTH ROYAL ST

Ticket No	Product No	Quantity	Price	Extension
Delivery Date:		**02/21/13**	**Order No:**	**344**
8523823	101644	8.00	105.00	840.00
	85610	8.00	2.00	16.00
	85940	8.00	3.50	28.00
	86100	8.00	2.70	21.60
8523912	101644	8.00	105.00	840.00
	85610	8.00	2.00	16.00
	85940	8.00	3.50	28.00
	86100	8.00	2.70	21.60
8523987	101644	8.00	105.00	840.00
	85610	8.00	2.00	16.00
	85940	8.00	3.50	28.00
	86100	8.00	2.70	21.60

PLEASE REMIT TO
VIRGINIA CONCRETE COMPAN
P.O. BOX 101131
ATLANTA, GA 30392
1-703-354-7100

Yards	132.00	Non-Taxable	.00
		Taxable	14,942.40
Taxes		Sales Tax	747.12
VA 5%	747.12	**Invoice Total**	**15,689.52**
		Discount	298.85

Please pay $15,390.67 by 03/10/2013 using the discount
Or pay $15,689.52 by 03/25/2013 to avoid finance charges

Yards	132.00	Non-Taxable	.00
		Taxable	14,942.40
Taxes		Sales Tax	747.12
VA 5%	747.12	**Invoice Total**	**15,689.52**
		Discount	298.85

Please pay $15,390.67 by 03/10/2013 using the discount
Or pay $15,689.52 by 03/25/2013 to avoid finance charges

Vulcan
Materials Company

VIRGINIA CONCRETE COMPANY INC.
PO BOX 6250
SPRINGFIELD, VA 22150

INVOICE

Invoice No: **5051311099**
Invoice Date: **02/25/2013**
Customer Account: 30911 - 49786
Project No: 7154

TOTAL ENVIRONMENTAL CONCEPTS, INC
15 Park Ave
Gaithersburg MD 20877-2915

Job Name	Delivery Address
Various Locations	1400 NORTH ROYAL ST
Purchase Order No	**Lot/Block**
18074	

Ticket No	Product No	Description	Quantity	Price	Extension
Delivery Date:		**02/22/13**	**Order No:**	**303**	
8524397	101644	VDOT FLOWABLE FI	8.00	105.00	840.00
	85610	1 EA/YD ENVIRONMI	8.00	2.00	16.00
	85940	1 EA/YD WINTER SEF	8.00	3.50	28.00
	86100	1 EA/YD FUEL SURCI	8.00	2.70	21.60
8524488	101644	VDOT FLOWABLE FI	8.00	105.00	840.00
	85610	1 EA/YD ENVIRONMI	8.00	2.00	16.00
	85940	1 EA/YD WINTER SEF	8.00	3.50	28.00
	86100	1 EA/YD FUEL SURCI	8.00	2.70	21.60

****
Please contact your Credit representative if you are interested in receiving your invoices
*electronically. *
****

Yards	16.00	Non-Taxable	.00
		Taxable	1,811.20
Taxes		Sales Tax	90.56
VA 5%	90.56	**Invoice Total**	**1,901.76**
		Discount	36.22

Please pay $1,865.54 by 03/10/2013 using the discount
Or pay $1,901.76 by 03/25/2013 to avoid finance charges

PLEASE REMIT TO
VIRGINIA CONCRETE COMPAN
P.O. BOX 101131
ATLANTA, GA 30392

1-703-354-7100

REMITTANCE COPY

PLEASE REMIT TO
VIRGINIA CONCRETE COMPANY INC.
P.O. BOX 101131
ATLANTA, GA 30392

Invoice No: **5051311099**
Invoice Date: **02/25/2013**
Customer Account: 30911 - 49786
Project No: 7154
Page No: **1 Of 1**
Terms: 2%10th-Net 25th

Job Name
Various Locations
Delivery Address
1400 NORTH ROYAL ST

Ticket No	Product No	Quantity	Price	Extension
Delivery Date:		**02/22/13**	**Order No:**	**303**
8524397	101644	8.00	105.00	840.00
	85610	8.00	2.00	16.00
	85940	8.00	3.50	28.00
	86100	8.00	2.70	21.60
8524488	101644	8.00	105.00	840.00
	85610	8.00	2.00	16.00
	85940	8.00	3.50	28.00
	86100	8.00	2.70	21.60

Yards	16.00	Non-Taxable	.00
		Taxable	1,811.20
Taxes		Sales Tax	90.56
VA 5%	90.56	**Invoice Total**	**1,901.76**
		Discount	36.22

Please pay $1,865.54 by 03/10/2013 using the discount
Or pay $1,901.76 by 03/25/2013 to avoid finance charges

Appendix E
BORING LOGS

BORING LOG (Geoprobe)

BORING NUMBER	PROJECT	LOGGED BY	SHEET / SHEETS
B-1	NRG Energy, Heating Oil UST Assessment	Eric Schmieg	1 OF 1

DRILLING COMPANY	DATE
BL Myers	3/7/2013

ELEV. (feet msl)	DEPTH (feet bgs)	DESCRIPTION OF MATERIALS	FIELD SCREENING RESULTS (PPM)	INCHES DRIVEN/ RECOVERED	SAMPLES
34.23	0	Reinforced concrete			
	2 4 6 8 10	Cleared by air-knife to 10' bgs			
	12 14	**CL** - Yellowish red (5 YR 4/6) **SANDY CLAY**, fine to medium sand, soft, moist, some black varves, occasional rounded clasts to 1-inch diameter **SC** - Yellowish red (5YR 4/6) **CLAYEY SAND**, medium to coarse, loose, moist, some black varves, occasional rounded and subrounded clasts, brick fragments	1.1	60/42	
	16 18	**CL** - Yellowish red (5 YR 4/6) **SANDY CLAY**, fine to medium sand, very soft, very moist, some black varves grades with angular sandstone clasts up to 1-inch diameter	5.0	60/36	
	20	**GC** - Light brown (10 YR 8/3) **CLAYEY GRAVEL with SAND**, fine to coarse sand, loose, dry, angular clasts			
		SM - Brown (10 YR 5/3) **SANDY SILT**, fine sand, soft, moist, **dark staining and petroleum odor** Black band of **staining, strong odor**	96.5		**B1-21**
	22 24	**SP** - Brownish yellow (10YR 6/8) **GRAVELLY SAND**, some fines, coarse sand, moist, angular to subangular gravel, some **dark staining**, occasional angular clasts to 1-inch diameter	6.4	60/44	
	26 28			60/60	
	30	**CL** - Yellowish red (5 YR 4/6) **SANDY CLAY**, fine to medium sand, soft, moist, some black varves, occasional rounded clasts to 1-inch diameter grades with **black staining, strong petroleum odor**	3.2		
	32	**CL -** Yellowish red (5 YR 4/6) **SANDY CLAY**, fine to medium sand, soft, moist, some black varves, occasional rounded clasts up to 1-inch diameter		60/60	
		Saturated zone encountered at 33.5' bgs	2.0		**B1-33**
	34				
	36 38	**CL** - Yellowish red (5 YR 4/6) **SANDY CLAY**, fine to medium sand, soft, wet, some black varves, occasional rounded clasts up to 1-inch diameter		60/60	
		BORING TERMINATED AT 39' BGS			

BORING LOG (Geoprobe)

BORING NUMBER	SHEET	SHEETS
B-2	1 OF 1	

PROJECT	LOGGED BY	DATE
NRG Energy, Heating Oil UST Assessment	Eric Schmieg	3/7/2013

DRILLING COMPANY: BL Myers

ELEV. (feet msl)	DEPTH (feet bgs)	DESCRIPTION OF MATERIALS	FIELD SCREENING RESULTS (PPM)	INCHES DRIVEN/ RECOVERED	SAMPLES
33.69	0	Reinforced concrete			
	2	Cleared by air-knife to 5' bgs			
	4				
	6	**CL** - Yellowish red (5YR 4/6) **SANDY CLAY**, fine to medium sand, soft, moist		60/60	
	8		2.6		
	10				
		becomes mottled grey			
	12		1.1		
		GW - yellowish red (5YR 4/6) **SANDY GRAVEL**, medium to coarse sand, moist, loose, subangular gravel		60/60	
	14	**CL** - Yellowish red (5YR 4/6) **SANDY CLAY**, fine to medium sand, soft, moist, grey mottling			
	16	**SM** - Yellowish red (5 YR 4/6) **SILTY SAND**, fine to medium, loose, moist, occasional 1-inch diameter subrounded gravel, grey mottling	0.8	36/36	
	18	**REFUSAL AT 18' BGS - BORING TERMINATED - OFFSET TO B-8**			

BORING LOG (Geoprobe)

BORING NUMBER	SHEET	SHEETS
B-3	1 OF 1	

PROJECT	LOGGED BY	DATE
NRG Energy, Heating Oil UST Assessment	Eric Schmieg	3/7/2013

DRILLING COMPANY: BL Myers

ELEV. (feet msl)	DEPTH (feet bgs)	DESCRIPTION OF MATERIALS	FIELD SCREENING RESULTS (PPM)	INCHES DRIVEN/ RECOVERED	SAMPLES
33.69	0	Reinforced concrete			
	2	Cleared by air-knife to 5' bgs			
	4				
	6	**CL** - Yellowish red (5YR 4/6) **SANDY CLAY**, fine to medium sand, soft, moist		60/37	
	8		0.5		
	10	**SC** - Yellowish red (5 YR 4/6) **CLAYEY SAND**, medium to coarse, loose, moist, black mottling with some red varves			
	12	**CL** - Yellowish red (5YR 4/6) **SANDY CLAY**, fine to medium sand, soft, moist, grey mottling, grades with increasing sand	0.2	60/60	
	14	**GW** - Yellowish red (5YR 4/6) **SANDY GRAVEL**, medium to coarse, moist, loose, subangular gravel			
		CL - Yellowish red (5YR 4/6) **SANDY CLAY**, fine to medium sand, soft, moist, grey mottling, grades with increasing sand			
	16	**SM** - Yellowish red (5 YR 4/6) **SILTY SAND**, fine to medium, loose, moist, occasional 1-inch diameter subrounded gravel, grey mottling			
		SC - Yellowish red (5 YR 4/6) **CLAYEY SAND**, medium to coarse, loose, moist	0.3	60/32	
	18	**GW** - Yellowish red (5YR 4/6) **SANDY GRAVEL**, medium to coarse, moist, loose, subangular gravel			
	20		0.5		
	22	**SP** - Dark grey (N3) **SAND**, medium, loose, moist, **petroleum odor**		60/42	
	24	**SM** - Brownish yellow (10 YR 6/8) **SILTY SAND**, fine to medium, loose, moist, some light yellow angular clasts, **petroleum odor**	24.4		
		CL - Dark grey (N3) **SANDY CLAY**, medium sand, soft, moist, **petroleum odor**			
	26	**SM -** Grey (N5) **SILTY SAND**, medium to coarse, loose, moist, **petroleum odor**	36.3		
	28	**CL** - Dark grey (N3) **SANDY CLAY**, medium sand, soft, moist	5.2	60/52	
	30	**CL** - Dark grey (N3) **SANDY CLAY**, medium sand, soft, moist			
		SP - Dark grey (N3) **SAND**, medium, well sorted, loose, moist, some subrounded gravel, **strong petroleum odor**	60.0		**B3-31**
		CL - Dark grey (N3) **SANDY CLAY**, medium sand, soft, moist			
	32	**SC** - Yellowish red (5 YR 4/6) **CLAYEY SAND**, medium to coarse, loose, moist	1.9	60/60	**B3-32**
		Saturated zone encountered at 32.5' bgs			
	34	**SC** - Yellowish red (5 YR 4/6) **CLAYEY SAND**, medium to coarse, loose, wet			
	36			24/24	
		BORING TERMINATED AT 37' BGS			

BORING LOG (Geoprobe)

BORING NUMBER	PROJECT	LOGGED BY	SHEET / SHEETS
B-4	NRG Energy, Heating Oil UST Assessment	Eric Schmieg	1 OF 1

DRILLING COMPANY:	DATE
BL Myers	3/7/2013

ELEV. (feet msl)	DEPTH (feet bgs)	DESCRIPTION OF MATERIALS	FIELD SCREENING RESULTS (PPM)	INCHES DRIVEN/ RECOVERED	SAMPLES
33.63	0	Reinforced concrete			
	2	Cleared by air knife to 10' bgs			
	4				
	6				
	8				
	10				
		CL - Yellowish red (5YR 4/6) **SILTY CLAY**, stiff, moist			
	12	**ML** - Yellowish red (5YR 4/6) **CLAYEY SILT with SAND**, stiff, moist, fine sand	1.7		
		CL - Yellowish red (5YR 4/6) **SILTY CLAY**, stiff, moist		60/48	
	14	**GC** - Brownish yellow (10YR 6/8) **CLAYEY GRAVEL with SAND**, coarse sand, loose, dry, angular quartz clasts			
		CL - Yellowish red (5YR 4/6) **SILTY CLAY**, stiff, moist			
		SM - Reddish brown (10R 3/6) **SILTY SAND**, fine to medium, loose, moist, small angular quartz clasts			
	16	**SM** - Yellowish brown (10YR 6/8) **SILTY SAND**, fine to medium, loose, moist, small angular quartz clasts	1.1		
		GC - Yellowish red (5YR 4/6) **CLAYEY GRAVEL with SAND**, coarse sand, angular clasts, loose, dry			
	18	**SM** - Yellowish brown (10YR 6/8) **SILTY SAND**, fine to medium, loose, moist, small angular quartz clasts, occasional gravel		60/60	
	20		1.6		
	22	**GC** - Yellowish red (5YR 4/6) **CLAYEY GRAVEL with SAND**, coarse sand, angular clasts, loose, dry, gravel to 1-inch diameter			
		SM - Dark grey (N3) SILTY SAND, **petroleum odor** (2-inch thick)		60/60	
		CL - Reddish brown (10YR 3/6) **SILTY CLAY**, soft, low plasticity, moist, black varves, **petroleum odor**			
	24	**GC** - Yellowish red (5YR 4/6) **CLAYEY GRAVEL with SAND**, coarse sand, angular clasts, loose, dry, gravel up to 1-inch diameter, **black staining** increasing with depth, **petroleum odor**	240.2		**B4-24**
		CL - Yellowish red (5YR 4/6) **SILTY CLAY**, hard, moist			
	26	**SM** - Yellowish red (5YR 4/6) **SILTY SAND**, fine to medium sand, moist, red varves, angular and subangular gravel, with **black staining and petroleum odor**		60/60	
	28		61.4		
	30	**CL** - Brownish yellow (10YR 6/8) **SILTY CLAY**, stiff, moist, **black staining** increasing with depth, **petroleum odor**			
	32		117.2		**B4-32**
		Saturated zone encountered at 32.5' bgs		60/36	
	34	**CL** - Brownish yellow (10YR 6/8) **SILTY CLAY**, stiff, wet, **black staining and petroleum odor**			
		BORING TERMINATED AT 35' BGS			

BORING LOG (Geoprobe)

BORING NUMBER	SHEET	SHEETS
B-5	1 OF 1	

PROJECT	LOGGED BY	DRILLING COMPANY:	DATE
NRG Energy, Heating Oil UST Assessment	Eric Schmieg	BL Myers	3/8/2013

ELEV. (feet msl)	DEPTH (feet bgs)	DESCRIPTION OF MATERIALS	FIELD SCREENING RESULTS (PPM)	INCHES DRIVEN/ RECOVERED	SAMPLES
34.23	0	Reinforced concrete			
	2	Cleared by air-knife to 10' bgs			
	4				
	6				
	8				
	10				
	12	**CL** - Yellowish red (5YR 4/6) **SANDY CLAY**, fine to medium sand, moist, stiff, black mottling, some black fragments	0.9		
		Layer of loose black coal/ash, smokey odor		60/44	
	14	**CL** - Yellowish red (5YR 4/6) **SANDY CLAY**, fine to medium sand, moist, medium stiff, black mottling			
	16		1.5		
	18	**CL** - Olive grey (5Y 4/1) **SANDY CLAY**, fine to medium sand, wet, occasional organic matter (grass, stems)		60/42	
		GP - Brownish yellow (10YR 6/8) **SANDY GRAVEL**, coarse sand, loose, moist, 1-inch diameter quartz sandstone clasts			
	20	**CL**- Olive grey (5Y 4/1) **SANDY CLAY**, fine to medium sand, moist, occasional organic matter (grass, stems)	2.0		
		GP - Brownish yellow (10YR 6/8) **SANDY GRAVEL**, coarse sand, few fines, loose, moist, sandstone clasts up to 1-inch diameter			
	22		54.0	60/36	
	24	**SW** - Olive grey (5Y 4/1) **SAND**, few fines, medium dense, moist, **black staining and petroleum odor**, some fine gravel, brick fragments	73.8		**B5-24**
	26		67.9		
	28		27.3	60/60	
	30	**CL** - Olive grey (5Y 4/1) **SANDY CLAY**, fine to medium sand, moist, **black staining and petroleum odor**	25.5		**B5-31**
	32			60/60	
		Saturated zone encountered at 33' bgs			
		CL - Olive grey (5Y 4/1) **SANDY CLAY**, fine to medium sand, loose, wet, **black staining**			
	34				
	36	**SM** - Yellowish red (5YR 4/6) **SILTY SAND**, wet, medium dense, some fine rounded gravel		42/42	
	38				
		BORING TERMINATED AT 38.5' BGS			

BORING LOG (Geoprobe)

BORING NUMBER	SHEET	SHEETS
B-6	1 OF 1	

PROJECT	LOGGED BY	DRILLING COMPANY:	DATE
NRG Energy, Heating Oil UST Assessment	Eric Schmieg	BL Myers	3/8/2013

ELEV. (feet msl)	DEPTH (feet bgs)	DESCRIPTION OF MATERIALS	FIELD SCREENING RESULTS (PPM)	INCHES DRIVEN/ RECOVERED	SAMPLES
34.23	0	Reinforced concrete			
	2	Cleared by air-knife to 10' bgs			
	4				
	6				
	8				
	10				
	12	**CL** - Brownish yellow (10YR 6/8) **SANDY CLAY**, fine to medium sand, stiff, moist, occasional brick fragments, black varves	0.1	60/42	
		Sand and chips of rock from breaking through large clast			
	14	Large brick fragments, concrete, gravel fill			
		CL - Brownish yellow (10YR 6/8) **SANDY CLAY**, fine to medium sand, stiff, moist, occasional brick fragments, black varves			
		REFUSAL AT 15' BGS - BORING TERMINATED, OFFSET TO B-7			

BORING LOG (Geoprobe)

BORING NUMBER	SHEET	SHEETS
B-7	1 OF 1	

PROJECT	LOGGED BY
NRG Energy, Heating Oil UST Assessment	Eric Schmieg

DRILLING COMPANY:	DATE
BL Myers	3/11/2013

ELEV. (feet msl)	DEPTH (feet bgs)	DESCRIPTION OF MATERIALS	FIELD SCREENING RESULTS (PPM)	INCHES DRIVEN/ RECOVERED	SAMPLES
34.23	0	Reinforced concrete			
	2	Cleared by air-knife to 5' bgs			
	4				
	6	**CL** - Reddish brown (10R 3/6) **SILTY CLAY**, some fine sand, medium stiff, moist, some rounded clasts up to 1/2-inch diameter			
	8	**CL** - Yellowish red (5YR 4/6) **SANDY CLAY**, fine to medium sand, medium stiff, moist, some rounded clasts throughout, black mottling grades with medium sand	0.6	60/60	**B7-8**
	10	**CL** - Yellowish red (5YR 4/6) **SANDY CLAY**, fine sand, soft, moist, fine angular grey clasts, black mottling			
	12		2.1	60/60	**B7-12**
	14	grades with concrete and brick fragments, dry			
		REFUSAL AT 15' BGS - BORING TERMINATED			

BORING LOG (Geoprobe)

BORING NUMBER	SHEET	SHEETS
B-8	1 OF 1	

PROJECT	LOGGED BY	DATE
NRG Energy, Heating Oil UST Assessment	Eric Schmieg	3/11/2013

DRILLING COMPANY: BL Myers

ELEV. (feet msl)	DEPTH (feet bgs)	DESCRIPTION OF MATERIALS	FIELD SCREENING RESULTS (PPM)	INCHES DRIVEN/ RECOVERED	SAMPLES
33.69	0	Reinforced concrete			
	1				
	2				
	3	Cleared by air-knife to 5' bgs			
	4				
	5				
		CL - Yellowish red (5YR 4/6) **SANDY CLAY**, fine to medium sand, soft, moist		6/6	
		Black angular chips of tar or plastic in bottom of borehole			
		REFUSAL AT 5.5' BGS - BORING TERMINATED			