

**REPORT ON
ASTM PHASE I ENVIRONMENTAL SITE ASSESSMENT
AND SUBSURFACE SAMPLING
SUPER SALVAGE INC. PARCEL AT BUZZARD POINT,
SQUARE 0605, LOT 0802
WASHINGTON, DC**

by
Haley & Aldrich, Inc.
McLean, Virginia

for
McKissack & McKissack, Inc.
Washington, DC

File No. 40223-002
July 2015





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24 July 2015
File No. 40223-002

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Washington, DC 20001

Attention: Mark Babbitt
Vice President & Regional Practice Leader Infrastructure

Subject: ASTM Phase I Environmental Site Assessment and Subsurface Sampling
Super Salvage Inc. Parcel at Buzzard Point, Square 0605, LOT 0802
Washington, DC

Ladies and Gentlemen:

The enclosed report presents the results of a Phase I environmental site assessment (Phase I assessment) with Phase II subsurface sampling conducted at the above-referenced Super Salvage Inc. ("Super Salvage"), Square 0605, Lot 0802, in Washington, DC (herein referred to as the "subject site"). A Phase I assessment was conducted by Haley & Aldrich, Inc. (Haley & Aldrich) for seven parcels at Buzzard Point proposed for redevelopment as a professional soccer stadium, in accordance with our proposal to McKissack & McKissack dated 28 June 2013 ("Agreement"). The results of the Phase II subsurface sampling, performed to evaluate the potential impact of "recognized environmental conditions" (RECs), are also included in this report.

Our conclusions regarding the presence and potential impact of RECs on the subject site are intended to help the user evaluate the "business environmental risk" associated with the subject site, as defined in the ASTM E 1527-05 Standard and discussed in Section 1.1 of this report.

Thank you for the opportunity to perform these services for you. Please do not hesitate to contact us if you have any questions or comments.

Sincerely yours,
HALEY & ALDRICH, INC.

A handwritten signature in black ink that reads "Karin S. Holland".

Karin S. Holland
Senior Technical Specialist

A handwritten signature in black ink that reads "David A. Schoenwolf".

David A. Schoenwolf, P.E.
Senior Vice President

Enclosures

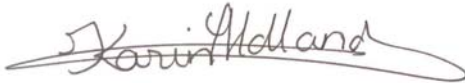
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ASTM PHASE I ENVIRONMENTAL SITE ASSESSMENT
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WASHINGTON, DC**

by
Haley & Aldrich, Inc.
McLean, Virginia

The undersigned declare the following:

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in 40 CFR Part 312, §312.10.

We have the specific qualifications based on education, training, and experience to assess the nature, history, and setting of the subject site and “develop opinions and conclusions regarding conditions indicative of releases or threatened releases.” We have developed and performed the “all appropriate inquiries” (AAI) in conformance with the standards and practices set forth in 40 CFR Part 312.



Karin Holland
Senior Sustainability Specialist



David A. Schoenwolf, P.E.
Principal Consultant | Senior Vice President

for
McKissack & McKissack, Inc.
Washington, DC

File No. 40223-002
July 2015



Executive Summary

Haley & Aldrich, Inc. (Haley & Aldrich) performed a Phase I environmental site assessment (Phase I assessment) of the Super Salvage Inc. property (herein referred to as the “subject site”) in Washington, DC. The scope of work is described and conditioned by our proposal dated 28 June 2013. As indicated in our proposal, this Phase I assessment was performed in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) E 1527-05 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-05 Standard) as referenced in 40 Code of Federal Regulations (CFR) Part 312 [the All Appropriate Inquiries (AAI) Rule]. Deviations from this Standard, and/or data gaps and their significance are described in Section 1.5 of this report. Phase II subsurface sampling was also conducted to evaluate issues identified during the Phase I portion of the assessment. Our conclusions are intended to help the user evaluate the “business environmental risk” associated with the subject site, as defined in the ASTM E 1527-05 Standard and discussed in Section 1.1 of this report.

The subject site is bounded by a property owned by the District of Columbia to the north, S Street, SW to the south, 1st Street, SW to the east and a property owned by Rollingwood Real Estate to the west, and is currently occupied by a salvage yard for diverse metal structures.

The objective of a Phase I assessment is to identify known and suspect “recognized environmental conditions” (RECs), historical RECs (HRECs), and *de minimis* conditions associated with the subject site, as defined in the ASTM E 1527-05 Standard and in Section 1.1 of this report. The objective of the Phase II subsurface sampling is to provide a preliminary evaluation of RECs identified during the Phase I portion of the assessment, including order of magnitude cost and schedule impacts on the proposed development.

The ASTM E 1527-05 Standard requires an environmental professional’s opinion of the potential impacts of RECs, HRECs, and *de minimis* conditions identified on a site during a Phase I assessment. Our opinion is rendered with respect to a REC’s potential (high, medium, or low) to require remedial response based on prevailing agency requirements and our understanding that the subject site is one of seven parcels being evaluated for potential redevelopment as a professional soccer stadium. Our opinion regarding a REC’s potential impact on the subject site (high, medium, low, or unknown) is based on the scope of our work, the information obtained during the course of our work, the conditions prevailing at the time our work was performed, the applicable regulatory requirements in effect at the time our work was performed, and/or our experience evaluating similar sites, and our understanding of the client’s intended use for the subject site.

Soil and groundwater samples were collected for the evaluation of the presence of chemicals of concern at the potential RECs associated with the subject site as described below. Four sample locations were inaccessible, due to a significant amount of concrete or significant piles of scrap metal being stored at these locations. In addition, heavy concrete staining was observed at many locations at the subject site. In certain areas, the staining was too thick to confirm the integrity of the concrete. These constitute a data gap in this report.

RECOGNIZED ENVIRONMENTAL CONDITIONS

The ASTM E 1527-05 Standard defines a REC as “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a

past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property.” A material threat is defined by the ASTM E 1527-05 Standard as “a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professional, is threatening and might result in impact to public health or the environment.”

This Phase I assessment has revealed five KRECs, four SRECs and four HRECs. Details regarding the nature of these RECs and our opinion regarding potential impacts are provided below.

KNOWN OR SUSPECT RECOGNIZED ENVIRONMENTAL CONDITIONS

Consistent with ASTM E 1527-05 Section 12.5 (Report Format), and for the purposes of this assessment, those RECs that have been identified as being present with respect to the subject site are referred to as Known Recognized Environmental Conditions (KRECs), and those RECs that have been identified as being likely present with respect to the subject site are referred to as Suspect Recognized Environmental Conditions (SRECs).

Known Recognized Environmental Conditions

Five KRECs have been identified at the subject site based on the Phase II subsurface sampling results at the subject site and adjoining properties.

- | | |
|--------------------------|--|
| KREC #1: | Potentially unlined/unpaved sump at the subject site |
| Potential Impact: | High |
| Explanation: | On-site stormwater and spills are captured and pumped to a sump in the southwestern portion of the subject site before being disposed off-site by a licensed contractor. The sump contained large quantities of oily liquid during the subject site visit and it was not possible to ascertain whether the sump was lined and/or confirm the integrity of the lining. The site representative could not confirm the status of the sump lining. Haley & Aldrich collected two soil samples in the vicinity of the sump in April 2015. Arsenic, lead, benzo(a)pyrene, and diesel range total petroleum hydrocarbons (TPH-DRO) were detected at concentrations above applicable soil screening levels, as illustrated in Table I. |
| KREC #2: | Heavy staining of concrete at the subject site |
| Potential Impact: | High |
| Explanation: | Heavy concrete staining was observed at many locations at the subject site. The concrete was in moderate to good condition where visible. In other areas, for example the area surrounding the sump pump, the staining was too thick to confirm the integrity of the concrete. Haley & Aldrich collected one soil sample in the vicinity of heavy staining in April 2015. Arsenic was detected at a concentration above the applicable soil screening level, as illustrated in Table I. Groundwater could not be collected in this location. |
| KREC #3: | Oil layer in secondary containment under aboveground storage tanks (ASTs) at the subject site |
| Potential Impact: | High |
| Explanation: | A thick layer of oil was observed at the bottom of the AST tanks in the eastern portion of the subject site. It is understood that the bottom of the containment |

is paved with concrete. However, the integrity of the concrete could not be confirmed. Haley & Aldrich collected three soil and two groundwater samples in the vicinity of heavy staining in April 2015. Arsenic and TPH-DRO were detected at concentrations above applicable soil screening levels, as illustrated in Table I. In addition, arsenic was also detected at concentrations above applicable groundwater screening levels.

KREC #4: Concrete staining in area of an AST at the subject site
Potential Impact: High
Explanation: Concrete staining on paving next to an AST was observed in the northern portion of the subject site. The concrete paving was in relatively good condition during the subject site visit. However a large quantity of waste had been dumped immediately adjacent to the AST preventing the Haley & Aldrich representative from confirming the condition of the concrete beneath this waste. Haley & Aldrich collected two soil and one groundwater samples in the vicinity of heavy staining in April 2015. Arsenic, lead, polychlorinated biphenyls (PCBs), ethylbenzene, and TPH-DRO were detected at concentrations above soil screening levels, as shown in Table I. In addition, antimony, arsenic, lead, and methylene chloride were detected at concentrations above groundwater screening levels.

KREC #5: Impacts in northern portion of subject site/to the property adjacent to north of the subject site
Potential Impact: High
Explanation: Haley & Aldrich collected two soil and two groundwater samples (GTW-605-802-6 and GTW-605-802-7) along the boundary of the subject site and the property adjacent to the north. Arsenic and TPH-DRO were detected at concentrations above soil screening levels, as shown in Table I. In addition, lead and methylene chloride were detected at concentrations above the groundwater screening level, as indicated in Table II.

Suspect Recognized Environmental Conditions

The following SREC was observed on the adjacent property west of the subject site during site visits by Haley & Aldrich for the comprehensive Phase I assessment of Buzzard Point in August and 2013 and from a limited Phase II subsurface investigation performed by Haley & Aldrich in September 2014.

SREC #1: Soil and groundwater petroleum impacts that may have migrated from subject site
Potential Impact: High
Explanation: A soil sample obtained from test boring collected by Haley & Aldrich from beneath the eastern portion of the property immediately adjacent to the west in September 2014 revealed a polycyclic aromatic hydrocarbon (PAH), benzo(a)pyrene, and arsenic above applicable soil screening levels. In addition, free-phase oil was observed in groundwater at this location from a depth of 7.6 feet bgs to 20.9 feet bgs. TPH-DRO also exceeded applicable groundwater concentrations at this location. Additional soil sampling by Haley & Aldrich in April 2015 at this adjacent property revealed the presence of arsenic and TPH-DRO in soil at concentrations above associated soil screening levels.

Furthermore, lead and methylene chloride were detected at concentrations above applicable groundwater screening level. The impacts might be associated with the potentially unlined/unpaved sump described above (KREC #1).

The following SRECs were observed on the adjacent property south and southeast of the subject site during site visits by Haley & Aldrich for the comprehensive Phase I assessment of Buzzard Point in August and December 2013 and from a Phase II subsurface investigation performed by Haley & Aldrich in December 2013.

SREC #2: Shallow subsurface petroleum impact from surface staining or urban fill at Square 0607, Lot 0013

Potential Impact: Low

Explanation: Apparent hydrocarbon stains were observed during a site visit on 28 August 2013 on an asphalt-paved portion of the property at Square 0607, Lot 0013 that is currently used as a parking lot. A crack was observed in the asphalt under one of these stains and a soil sample collected by Haley & Aldrich from beneath the asphalt revealed total petroleum hydrocarbons – diesel range organics (TPH-DRO) concentration of 184 milligrams per kilogram (mg/kg). This TPH-DRO detection confirms the presence of minor petroleum contamination in shallow soil, exceeding the D.C. Municipal Regulations (DCMR) Tier 0 Soil Standard for TPH of 100 mg/kg. The vertical extent of impact is currently not known, although based on the relatively low concentration immediately beneath the staining, the degree of impact appears to be minor. The TPH-DRO detection may also be related to urban fill encountered in this boring.

Analytical results for a soil sample collected along S Street, SW from a depth of 5 to 10 feet below grade indicated minor petroleum impact (TPH-DRO at 119 mg/kg). This TPH-DRO detection confirms the presence of minor petroleum contamination in shallow soil, exceeding the DCMR Tier 0 Soil Standard for TPH of 100 mg/kg. Benzo(a)pyrene was also detected at 8.67 mg/kg, slightly exceeding the DC Risk-Based Corrective Action (DCRBCA) Screening Levels (SL) for construction worker exposure of 5.92 mg/kg. Other PAHs and metals (arsenic at 4.8 mg/kg and chromium at 10.3 mg/kg) were detected at concentrations exceeding the EPA Region III Risk-Based Screening Level (RSLs) for residential soil. The source and extent of impact is not known, although urban fill was encountered in this boring, which commonly yields similar results. A potential exists for subsurface impacts at adjacent sites to migrate to the subject site.

SREC #3: Minor groundwater contamination associated with chlorinated solvents at Square 0607, Lot 0013

Potential Impact: Low

Explanation: Advantage Environmental Consultants, LLC (AEC) detected chlorinated solvents (tetrachloroethylene, trichloroethylene [TCE], 1,2 dichloroethane, and vinyl chloride[VC]) in a groundwater sample collected near the southeast corner of the property at Square 0607, Lot 0013 during a Phase II assessment conducted in 2005. The source of the chlorinated solvents is not known; however, Geomatrix, Inc. indicated an “asphalt pit” in this area of the subject site on Figure 3 of their Phase II assessment report completed in 1990. Chlorinated solvents detected in

groundwater may also be due to migration from some unknown source upgradient from the property. A groundwater sample collected by Haley & Aldrich in this area of the property confirmed the presence of minor contamination associated with chlorinated solvents, including relatively low concentrations of TCE and VC (43.9 and 38 micrograms per liter [$\mu\text{g/L}$], respectively). The VC concentration exceeds the EPA Region III Risk-Based Screening Level (SL) for residential exposure via ingestion, which may not be applicable to the subject site. The extent of impact is not known, although volatile organic compounds were reportedly not detected in groundwater samples collected by AEC at several other locations in 2005, suggesting the extent may be limited to the southeast corner of the property and are thus unlikely to impact the subject site.

SREC #4:	Substation operations at Potomac Electric Power Company (PEPCO) Square 663, Lot 0024
Potential Impact:	Medium
Explanation:	Due to the age of the substation and the nature of activities taking place, there is a potential for leaks, spills or polychlorinated biphenyl-containing materials to be present at this lot. A potential exists for these impacts at adjacent sites to migrate to the subject site.

HISTORICAL RECs

The ASTM E 1527-05 Standard defines an HREC as an environmental condition “which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently.”

This Phase I assessment has revealed the following four HRECs.

HREC #1: LUST case # 96030 at the subject site and related to a tank containing gasoline was reported to be impacting soil and was granted regulatory closure. Based on its status and impacts being limited to soil, impacts from the LUST do not present a threat to human health or the environment under current site conditions and it is unlikely that the LUST will require additional regulatory action.

HREC #2: LUST case # 92076 on an adjacent property to the west of the subject site is associated with a gasoline LUST that historically impacted soil and groundwater under the subject site. The status of the LUST release is listed as closed. Based on its status, impacts from the LUST do not present a threat to human health or the environment under current conditions and it is unlikely that the LUST will require additional regulatory action.

HREC #3: An on-site 20,000 gallon gasoline LUST (case # 93094) at on an adjacent parcel to the south of the subject site at Square 0607, Lot 0013 historically impacted soil and groundwater under the subject site and was reported in August 1993. The LUST case received regulatory closure in May 1994. Based on its status, impacts from the LUST do not present a threat to human health or the environment under current conditions and it is unlikely that the LUST will require additional regulatory action.

HREC #4: Open Leaking Underground Storage Tank (LUST) case # 93051 on an adjacent parcel to the southeast of the subject site at Square 665, Lot 0024, Potomac Electric Power Company (PEPCO) Generating Station. In 1993, significant gasoline and diesel contamination was discovered in soil and

groundwater on the northern portion of Square 665, Lot 0024. PEPCO performed monitoring and remediation activities during the 1990s, removing more than 1,000 gallons of liquid-phase hydrocarbons (LPH). However, the latest groundwater sampling data reviewed in a 2005 Phase I indicated that total petroleum hydrocarbons and benzene, toluene, ethylbenzene and xylenes were above applicable regulatory standards in certain monitoring wells. Based on its status, impacts from the LUST do not present a threat to human health or the environment under current site conditions and it is unlikely that the LUST will require additional regulatory action.

DE MINIMIS CONDITIONS

The ASTM E 1527-05 Standard defines *de minimis* conditions as those conditions which “do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.” The ASTM E 1527-05 Standard notes that “conditions determined to be *de minimis* are not recognized environmental conditions.”

This Phase I assessment revealed no *de minimis* conditions.

SUMMARY AND RECOMMENDATIONS

In summary, several RECs were identified during this Phase I assessment and subsequent Phase II sampling. Phase II subsurface sampling described in this report did not delineate the extent of petroleum and metal impacts detected in soil or groundwater at the subject site, and based on the concentrations detected, it is our opinion that additional action may be required under current conditions at the subject site.

Based on the analytical results collected to date, soil remediation may be required to reduce the threat to human health for the on-Site construction worker and future stadium occupant and to reduce the threat to groundwater quality. Potential order of magnitude cost impacts from the identified RECs at the Site range from \$240,000 to \$3,600,000. These costs and their associated assumptions are summarized in Table III. The soil screening levels and groundwater screening levels used for evaluation of impacts at the Site do not account for cumulative health risks. Additionally, groundwater remediation and/or vapor intrusion mitigation in the construction of the stadium may be required to reduce the threat to human health. The potential order of magnitude costs for soil remediation are based on the currently available data understanding that several unanticipated Site restrictions associated with an active salvage yard and unknown subsurface restrictions were encountered during the investigation activities described in this Phase I assessment. The presence of a significant layer of concrete under portions of the Site also restricted investigation at select locations.

The remainder of this report contains additional information regarding the Phase I assessment, the resulting findings summarized above, and limitations affecting this report.

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1. Introduction

This report presents the results of a Phase I environmental site assessment (Phase I assessment) and Phase II subsurface sampling conducted at the Super Salvage, Inc. parcel at Buzzard Point, Square 0605 Lot 0802, in Washington, DC (herein referred to as the “subject site”). A Phase I assessment was conducted by Haley & Aldrich, Inc. (Haley & Aldrich) for seven parcels at Buzzard Point proposed for redevelopment as a professional soccer stadium, in accordance with our proposal to McKissack & McKissack dated 28 June 2013 (“Agreement”, Appendix A). Phase II subsurface sampling was also conducted on the subject site in accordance with an agreement dated 28 October 2013 between McKissack & McKissack and Haley & Aldrich and executed 30 October 2013 (“Agreement”, Exhibit 1) to McKissack & McKissack. This report was prepared in response to a request from McKissack & McKissack to provide a separate stand-alone Phase I assessment for the subject site. This Phase I assessment was performed in conformance with the scope and limitations of the American Society of Testing and Materials (ASTM) E 1527-05 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-05 Standard) to comply with 40 Code of Federal Regulations (CFR) Part 312 (the All Appropriate Inquiries [AAI] Rule).

1.1 OBJECTIVE

The objective of a Phase I assessment is to identify known and suspect “recognized environmental conditions” (RECs), historical RECs (HRECs), and *de minimis* conditions associated with the subject site by evaluating subject site history, existing observable conditions, current subject site use, and current and former uses of adjoining properties as well as potential releases at surrounding properties that may impact the subject site. RECs are defined in the ASTM E 1527-05 Standard as “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water at the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.” A material threat is defined by the ASTM E 1527-05 Standard as “a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professional, is threatening and might result in impact to public health or the environment.”

Consistent with ASTM E 1527-05 Section 12.5 (Report Format), and for the purposes of this assessment, those RECs identified as being present with respect to the subject site are referred to as Known Recognized Environmental Conditions (KRECs), and those RECs identified as being likely present with respect to the subject site are referred to as Suspect Recognized Environmental Conditions (SRECs). The ASTM E 1527-05 Standard defines HRECs as environmental conditions “which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently.”

The objective of the Phase II subsurface sampling was to provide a preliminary evaluation of RECs identified during the Phase I portion of the assessment, including order of magnitude cost and schedule implications on the proposed development. Our conclusions are intended to help the user evaluate the “business environmental risk” associated with the subject site, defined in the ASTM E 1527-05 Standard as “a risk which can have a material environmental or environmentally-driven impact on the business

associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations...”

The completion of this Phase I assessment is only one component of the process required to satisfy the AAI Rule. In addition, the user must adhere to a set of user responsibilities as defined by the ASTM E 1527-05 Standard and the AAI Rule. User responsibilities are discussed in Section 5.3 of this report. A user seeking protection from Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) liability as an innocent landowner, bona fide prospective purchaser, or contiguous property owner must complete all components of the AAI process in addition to meeting ongoing obligations. AAI components, CERCLA liability relief, and ongoing obligations are discussed in the AAI Rule and in Appendix XI of the ASTM E 1527-05 Standard.

1.2 SITE IDENTIFICATION

The subject site is owned by Super Salvage, Inc. (Super Salvage) and comprises a salvage yard for diverse metal structures. The subject site is bound by a property owned by the District of Columbia to the north, S Street, SW to the south, 1st Street, SW to the east and a property owned by Rollingwood Real Estate to the west, as shown on the Project Locus, Figure 1.

1.3 SCOPE OF SERVICES

Haley & Aldrich performed the following scope of services to complete this Phase I assessment. These services were performed either by, or under the direct supervision of, an environmental professional as defined by the AAI Rule.

1. Conducted visual observations of site conditions, and of abutting property use, to evaluate the nature and type of activities that have been or are being conducted at and adjoining to the subject site, in terms of the potential for release or threat of release of hazardous substances or petroleum products.
2. Reviewed federal, state, tribal, and local environmental database information within the ASTM-specified distance from the subject site using a database service to access records. Used 7.5-minute topographic maps to evaluate the subject site’s physical setting.
3. Reviewed District environmental files pertaining to the subject site and nearby sites with the potential to impact the subject site.
4. Reviewed previous reports prepared for the subject site.
5. Reviewed the following sources of historical use information: Sanborn maps, aerial photographs and topographic maps.
6. Contacted District agencies regarding the subject site and surrounding properties and structures.
7. Interviewed the key site manager and property tenant representatives.
8. Performed Phase II subsurface sampling and analysis.

9. Interpreted the information and data assembled as a result of the above work tasks, and formulated conclusions regarding the potential presence and impact of RECs, including HRECs.

1.4 NON-SCOPE CONSIDERATIONS

The ASTM E 1527-05 Standard includes the following list of “additional issues” that are non-scope considerations outside of the scope of the ASTM Phase I assessment practice: asbestos-containing materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, bio-agents, and mold. These items were not included in this Phase I assessment of the subject site.

A limited assessment of the presence of polychlorinated biphenyls (PCBs) is included in the ASTM work scope. Accordingly, our assessment of the presence of PCBs is limited to those potential sources specified in the ASTM E 1527-05 Standard as “electrical or hydraulic equipment known or likely to contain PCBs...to the extent visually and or physically observed or identified from the interview or records review.”

1.5 EXCEPTIONS AND DEVIATIONS

1.5.1 Deviations

Haley & Aldrich completed this Phase I assessment in substantial conformance with the ASTM E 1527-05 Standard. In our opinion, no additions were made to or deviations and deletions made from the ASTM work scope in completing this Phase I assessment.

1.5.2 Data Gaps

Heavy concrete staining was observed at many locations at the subject site. In certain areas, the staining was too thick to confirm the integrity of the concrete. Additionally, four sample locations were inaccessible during Phase II sampling, due to a significant amount of concrete or piles of scrap metal being stored at these locations. These constitute a data gap in this report.

1.5.3 Limitations

Our work for this project was performed in accordance with the standards and practices set forth in 40 CFR Part 312 and is consistent with the ASTM E 1527-05 Standard for Phase I Environmental Site Assessments. Several organizations other than ASTM, such as professional associations Geoprofessional Business Association (GBA) and AGWSE, have also developed guidelines or standards for environmental site assessments. The Phase I assessment presented in this report may vary from the specific guidelines or standards required by other organizations.

This Phase I assessment was prepared pursuant to an Agreement dated 9 July 2013 between McKissack & McKissack and Haley & Aldrich, which Agreement is attached hereto and is made a part of this report. The Phase II subsurface sampling was performed pursuant to an Agreement dated 28 October 2013 between McKissack & McKissack and Haley & Aldrich and executed 30 October 2013. All uses of this report are subject to, and deemed accepting of, the conditions and restrictions contained in these Agreements. The observations and conclusions described in this report are based solely on the Scope of

Services provided pursuant to these Agreements. Haley & Aldrich has not performed any additional observations, investigations, studies, or other testing not specified in these Agreements. Haley & Aldrich shall not be liable for the existence of any condition the discovery of which would have required the performance of services not authorized under these Agreements.

This report is prepared for the exclusive use of McKissack & McKissack and their prime contract holder, the District of Columbia Department of General Services (DGS) in connection with the proposed development of the subject site. A copy of this report will be provided to Super Salvage, Inc. (Owner) in accordance with an Access Agreement between the Owner and Haley & Aldrich, dated 30 March 2015. There are no intended beneficiaries other than McKissack & McKissack. Haley & Aldrich shall owe no duty whatsoever to any other person or entity on account of the Agreements or the report. Use of this report by any person or entity other than McKissack & McKissack or the DGS for any purpose whatsoever is expressly forbidden unless such other person or entity obtains written authorization from McKissack & McKissack and from Haley & Aldrich. Use of this report by such other person or entity without the written authorization of McKissack & McKissack and Haley & Aldrich shall be at such other person's or entity's sole risk, and shall be without legal exposure or liability to Haley & Aldrich.

Use of this report by any person or entity, including by McKissack & McKissack, for a purpose other than for with the proposed development of the subject site is expressly prohibited unless such person or entity obtains written authorization from Haley & Aldrich indicating that the report is adequate for such other use. Use of this report by any person or entity for such other purpose without written authorization by Haley & Aldrich shall be at such person's or entity's sole risk and shall be without legal exposure or liability to Haley & Aldrich.

This report reflects subject site conditions observed and described by records available to Haley & Aldrich as of the date of report preparation. The passage of time may result in significant changes in subject site conditions, technology, or economic conditions, which could alter the findings and/or recommendations of the report. Accordingly, McKissack & McKissack and any other party to whom the report is provided recognize and agree that Haley & Aldrich shall bear no liability for deviations from observed conditions or available records after the time of report preparation.

Use of this report by any person or entity in violation of the restrictions expressed in this report shall be deemed and accepted by the user as conclusive evidence that such use and the reliance placed on this report, or any portions thereof, is unreasonable, and that the user accepts full and exclusive responsibility and liability for any losses, damages, or other liability which may result.

2. Site Description

2.1 SITE OWNERSHIP AND LOCATION

2.1.1 Name of Site Owners

Super Salvage, Inc. owns the subject site

2.1.2 Name of Site Operator

Super Salvage, Inc. is the operator of the subject site.

2.1.3 Project Locus Map

The United States Geologic Survey (USGS) topographic map for the subject site is the Washington West, District of Columbia Quadrangle, dated 1983 (see Figure 1). The USGS topographic map was used as the source for subject site setting information.

2.2 SITE AND VICINITY DESCRIPTION

Figure 2 is a Site Plan of the subject site and shows relevant features of the subject site and immediately adjoining properties, as described below. The site comprises salvage yard for diverse metal structures.

The area in the vicinity of the subject site is generally characterized as urban industrial and commercial.

- **North:** a property owned by the District of Columbia and used for truck parking and wood storage.
- **South:** a property owned by SW Land Holder, LLC and operated by Akridge. The property comprises a parking lot and a small building in the northwestern portion utilized for end-of-life vehicle storage.
- **West:** a property owned by Rollingwood Real Estate. This property stores and refurbishes bicycles for the Washington DC Capital Bike Share Program.
- **East:** a property owned by Potomac Electric Power Company (PEPCO) which is vacant. PEPCO also owns the property adjacent to the east of the subject site which is used as an electrical substation, as well as the property northeast of the subject site, which is used as a parking lot.

2.3 PHYSICAL SETTING

The subject Site geology and hydrology were evaluated based on the results of the Phase II sampling (see Section 7 of this report) performed by Haley & Aldrich subsequent to the Phase I assessment, available public information or references, and our experience and understanding of subsurface conditions in the subject site area.

2.3.1 Topography

Topographically, the subject site and its vicinity is relatively flat with a gradual downward slope to the south. The subject site is at an elevation of approximately 21 feet above sea level (based on the Environmental Resources Data report).

2.3.2 Geology

According to information obtained during Haley & Aldrich's Phase II subsurface sampling and analysis, the subject site is generally underlain by fill material comprised of clays and sands with some silt, and varying amounts of gravel and small quantities of construction debris. Fill was encountered to a depth of approximately 10 feet below ground surface (bgs). Beneath the fill, clays and sands were encountered. This deeper stratum was not penetrated during Haley & Aldrich's exploration program. As such, bedrock beneath the subject site is anticipated at a depth greater than 30 feet bgs. According to information obtained from the EDR report, bedrock beneath the subject site consists of a stratified sequence of Cretaceous-aged sedimentary rock.

2.3.3 Hydrology

Based on surface topography, surface water from the subject site appears to flow in a southerly direction.

Also based on topography and the location of nearest water bodies (the Anacostia River, located approximately 0.20 miles east and 0.35 miles south and the Potomac River located approximately 0.3 miles west of the subject site), regional groundwater flow is anticipated to be tidally influenced. Hydrogeologic investigations were not performed at the subject site during this Phase I assessment; therefore, it is unknown to what extent localized variations in groundwater depth and flow occur on the subject site.

According to the Flood Insurance Rate Map (FIRM) supplied by EDR, the subject site is located within a floodplain. Potable water is supplied to the subject site by the District of Columbia Water and Sewer Authority (WASA). There is no known monitoring or pumping wells located on the property.

3. Previous Reports

The following reports previously prepared for the subject site were reviewed for this Phase I assessment. Information contained in these reports is included herein and summarized below. Copies of pertinent sections of these reports are included in Appendix B.

- “Phase I Environmental Site Assessment, Buzzard Point, Squares 609 & 611, 2nd Street and V Street, SW, Washington, DC,” prepared by URS for PEPCO Holdings Inc., dated 4 April 2005.
- “Phase I Environmental Site Assessment, Buzzard Point, 2nd Street and V Street, SW, Washington, DC,” prepared by Advantage Environmental Consultants, LLC (AEC), for The John Akridge Companies, Inc., dated 10 June 2005.
- “Assessment of the Buzzard Point Properties,” prepared by Geomatrix, Inc., for Potomac Electric Power Company, dated March 1990.
- “Phase II Environmental Site Assessment, Buzzard Point, 2nd Street and V Street, SW, Washington, DC,” prepared by AEC for The John Akridge Companies, Inc., dated 10 June 2005.

Subject Site and adjacent site to the west: These lots operated as a metal scrap yard since the 1960s. The URS and AEC 2005 Phase I identified these lots on the RCRA Small Quantity Generator, LUST, and UST databases. One 2,000 gallon UST was permanently out of use. The LUST case was granted regulatory closure. No additional details were provided.

Square 0607, Lot 0013, located adjacent to the south of the subject site: In 1990, Geomatrix collected soil samples for total petroleum hydrocarbon (TPH), benzene, toluene, ethylbenzene and xylenes (BTEX), Polychlorinated Biphenyls (PCBs), and toxicity metals. Lot 0013 was identified as “Site 2” in the report and was being used as a filling station for PEPCO vehicles at the time of the investigation. Soil samples were collected from 0 to 2 feet below ground surface. Of the thirteen samples collected, ten showed TPH concentrations ranging from 100 parts per million (ppm) to 360 ppm. Geomatrix concluded that TPH concentrations were fairly well distributed throughout the site.

At the time of the AEC 2005 Phase I, Square 607, Lot 0013 was used as a fenced parking lot with a prefabricated metal storage building and trailers on the site. Square 607, Lot 0013 was used for vehicle fueling and storage by PEPCO from the late 1960s until 1993. Three Underground Storage Tanks (USTs) were located on-site:

- 6,000 gallon gasoline UST removed in 1988;
- 6,000 gallon diesel UST removed in 1988; and
- 20,000 gallon gasoline UST removed in 1993 and assigned LUST case 93094 due to the discovery of petroleum impact to groundwater at the site during removal of the UST. Confirmatory soil samples were not significantly contaminated; however, groundwater samples were above regulatory limits. One monitoring well (MW-13) was later installed in this area. Petroleum concentrations in soil were below action limits at the time although BTEX (1.77 mg/L) and total petroleum hydrocarbons (TPH, 3.0 mg/L) were above action limits for groundwater. The LUST case received regulatory closure in May 1994.

In May 2005, AEC advanced borings (B-1 through B-9, B-27, B-29, and B-30) using Geoprobe rigs, screened soils with a photoionization detector, collected soil samples for total TPH diesel range organics (TPH DRO), TPH gasoline range organics (TPH GRO), Volatile Organic Compounds (VOCs), and priority pollutant metals, PCBs, metals, and ignitability, installed groundwater monitoring wells, and collected groundwater samples for TPH DRO, VOCs, and lead. Soil results indicated:

- TPH-DRO/GRO were below detection limits in soil except for DRO detected on the southwest corner of Lot 0013 at 11 ppm and DRO detected on the southeast corner of the site near the former USTs at 45 ppm.
- VOCs and PCBs were below detection limits.
- Lead was detected across Lot 0013 at concentrations below 170 ppm.

Groundwater samples indicated:

- TPH DRO and lead were below detection limits.
- VOCs were detected on the southeast corner of the site near the former USTs including benzene and solvents.

PEPCO Generating Station, Square 0665, Lot 0024; Square 0661, Lot 0804, located adjacent to the subject site to the east and southeast: The AEC 2005 Phase I identified four LUST cases one of which remained open (LUST case 93051). In the early 1970s, a release was reported from a four-inch diameter underground pipeline that connected the Generating Station (Lot 0024) to the two, 0.411-million gallon #2 fuel oil ASTs (Lot 0804) under S Street. In 1993, significant gasoline and diesel contamination was discovered in soil and groundwater on the northern portion of Lot 0024.

Monitoring wells installed in both lots identified TPH GRO, TPH DRO, and BTEX in soil and monitoring wells as well as liquid-phase hydrocarbons (LPH). The groundwater flow direction was documented to be west and southwest.

In January 1996, PEPCO installed a SVE system that operated through November 1999 that removed approximately 6,925 gallons of petroleum. From May 2001 to April 2002, a portable high vacuum pump and treat system was used to recover LPH from two of the most contaminated wells (MW-5 and MW-11), removing 1.5 gallons of groundwater and 1,350 gallons of petroleum. The site had been monitored monthly since 1993 with semi-annual sampling events. Results were reported to DC Department of Health (now DC Department of the Environment) in quarterly reports.

The AEC 2005 Phase I reviewed the March 2004 groundwater sampling data. TPH GRO, TPH DRO, and BTEX were above applicable regulatory standards except in three downgradient wells. Only passive remediation with absorbent booms and monitoring was ongoing.

4. Site History

Past usage of the site and/or adjoining properties was assessed through a review of Sanborn maps dated 1928, 1959, 1977, 1984, 1988, 1990, 1991, 1992, 1994, and 1998; a review of aerial photographs dated 1944, 1949, 1951, 1957, 1963, 1968, 1970, 1977, 1983, 1988, 1994, 1998, 2000, 2005, 2007, 2008, 2009, 2011 and 2012; and topographic maps dated 1885, 1894, 1947, 1951, 1956, 1965, 1971, 1972, 1983 and 1994 prepared for the subject site (Appendix C).

By 1944, small commercial/industrial structures were identified at the subject site. Starting in the 1950s, storage of large equipment could be observed at the subject site. The subject site was later identified as a scrap metal yard owned by Onec. The table below provides a detailed summary of pertinent information from the historical sources reviewed:

Dates	Description of Subject Site	Description of Adjoining Properties	Sources
1944-1956	Small commercial/industrial structures were identified at the subject site.	<p>North: A small structure and open space beyond which is a commercial/industrial structure identified as a dairy. According to the 1959 Sanborn Map, the southern portion of the dairy processed butter, eggs, poultry and produce. By 1949, residential properties are located immediately north of the subject site.</p> <p>South: two small structures assumed to be residential were observed immediately adjacent to the south. Additional residential structures are located to the southeast.</p> <p>East: residential properties.</p> <p>West: by 1944, residential structures are identified. Grading activities had taken place by the 1950s.</p>	1944, 1948 and 1951 aerial photos, and 1959 Sanborn Map

Dates	Description of Subject Site	Description of Adjoining Properties	Sources
1957-1983	By 1957, one of the structures in the eastern portion of the subject site is no longer present. A pile of large equipment was observed in the central portion of the subject site.	<p>North: Grading of the residential properties immediately north of the subject site and of the southern part of the commercial/industrial structure was observed by the late 1950s. By 1963, a commercial building has been constructed on part of the graded land that was formerly a commercial/industrial structure. According to the 1984 Sanborn Map, this commercial property is owned by Onec.</p> <p>South and southeast: grading activities were observed on the former residential properties. By 1968, a substation was observed to the southeast. According to the 1984 Sanborn Map, the site is owned by PEPCO and is a transfer yard. By 1970, a small structure is located immediately southwest of the subject site.</p> <p>East: by 1957, grading activities were observed. By 1968, two ASTs are located immediately to the east of the subject site. These are later identified as fuel oil tanks on the 1984 Sanborn map. A parking lot is located north of the ASTs.</p> <p>West: a small structure, assumed to be of commercial nature, has been developed by 1957.</p>	1957 and 1963 aerial photos and 1984 Sanborn Map

Dates	Description of Subject Site	Description of Adjoining Properties	Sources
1984-2012	The subject site is identified as a scrap metal yard owned by Onec on the 1984 Sanborn Map.	<p>North: no changes in land use.</p> <p>South: the adjacent property is identified as a parking lot on the 1984 Sanborn Map. The small structure is owned by PEPCO and is identified as a private garage. The remainder of the property is used for parking.</p> <p>East: by 2009, a small structure is shown in the eastern portion of the property immediately north of the storage tanks.</p> <p>West: according to the Sanborn Maps, the adjacent property comprises an office and parking facilities.</p>	1984, 1988, 1994, 1998, 2000, 2005, 2008, 2009, 2011 and 2012 aerial photos and 1988, 1990, 1991 and 1992 Sanborn Maps

Notes:

1. Unless otherwise noted above, per the ASTM standard, sources were reviewed dating back to 1940 or first developed use, whichever is earlier, and at five-year intervals if the use of the property has changed within that time period.

Copies of historical references reviewed are included in Appendix B.

5. Environmental Records Review

5.1 STANDARD ENVIRONMENTAL RECORDS REVIEW

Haley & Aldrich used the electronic database service Environmental Data Resources to complete the environmental records review. The database search was used to identify properties that may be listed in the referenced agency records, located within the ASTM-specified approximate minimum search distances as shown in the table below. Section 5.1.1 presents a description of each database searched.

Database Searched	Approximate Minimum Search Distance	Subject Site Listed?	Number of Sites within Search Distance
NPL Sites	1 mile	No	1
Delisted NPL Sites	0.5 mile	No	0
CERCLIS Sites	0.5 mile	No	1
CERCLIS-NFRAP Sites	0.5 mile	No	3
Federal ERNS	Site only	No	0
RCRA non-CORRACTS TSD Facilities	0.5 mile	No	0
RCRA CORRACTS TSD Facilities	1 mile	No	1
RCRA Generators	Site & Adjoining	Yes	1
Federal Institutional Controls/Engineering Controls	Site Only	No	0
State and Tribal Equivalent NPL Sites	1 mile	No	0
State and Tribal Equivalent CERCLIS Sites	0.5 mile	No	0
State and Tribal Registered Storage Tanks	Site & Adjoining	No	4
State and Tribal Landfills and Solid Waste Disposal Sites	0.5 mile	No	0
State and Tribal Leaking Storage Tanks	0.5 mile	Yes	3
State and Tribal Institutional Controls/Engineering Controls	Site Only	No	0
State and Tribal Voluntary Cleanup Sites	0.5 mile	No	1
State and Tribal Brownfield Sites	0.5 mile	Yes	13
DC Historical USTs	0.25 mile	Yes	7

The Environmental Data Resources (EDR) report also contains search results of other State environmental databases that are relevant to the subject site.

Haley & Aldrich also searched the Orphan Site List provided in the EDR report for the subject site and sites adjoining the subject site. Orphan sites are those that, due to incorrect or incomplete addresses,

could not be mapped. Neither the subject site nor the adjoining properties were identified on the Orphan Site List. The complete environmental database report is provided in Appendix D.

5.1.1 Descriptions of Databases Searched

Numerous regulatory databases were searched during this Phase I assessment. Each database reviewed is described in the EDR report presented in Appendix D. Those databases required by the ASTM E 1527-05 Standard are identified below.

1. **NPL Sites:** The National Priorities List (NPL) is a list of contaminated sites that are considered the highest priority for cleanup by the U.S. Environmental Protection Agency (USEPA).
2. **Delisted NPL Sites:** The Delisted National Priorities List (NPL) is a list of formal NPL sites formerly considered the highest priority for cleanup by the USEPA that met the criteria of the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) for deletion from the NPL because a no further response was appropriate.
3. **CERCLIS Sites:** The Comprehensive Environmental Response, Compensation, and Liability Act Information System (CERCLIS) list identifies sites which are suspected to have contamination and require additional investigation to assess whether they should be considered for inclusion on the NPL.
4. **CERCLIS-NFRAP Sites:** CERCLIS-NFRAP status indicates that a site was once on the CERCLIS List but has No Further Response Actions Planned (NFRAP). Sites on the CERCLIS-NFRAP List were removed from the CERCLIS List in February 1995 because, after an initial investigation was performed, no contamination was found, contamination was removed quickly, or the contamination was not significant enough to warrant NPL status.
5. **Federal ERNS:** The Federal Emergency Response Notification System (ERNS) list tracks information on reported releases of oil and hazardous materials.
6. **RCRA non-CORRACTS TSD facilities:** The Resource Conservation and Recovery Act (RCRA) non-CORRACTS TSD Facilities List tracks facilities which treat, store, or dispose of hazardous waste and are not associated with corrective action activity.
7. **RCRA CORRACTS TSD facilities:** The RCRA CORRACTS TSD Facilities list catalogues facilities that treat, store, or dispose of hazardous waste and have been associated with corrective action activity.
8. **RCRA Generators:** The RCRA Generator list is maintained by the USEPA to track facilities that generate hazardous waste.
9. **Federal Institutional Controls/Engineering Controls:** The Federal Institutional Control list and Engineering Control list are maintained by the USEPA. Some Institutional Control and Engineering Control information may not be made publicly available and therefore will not be included on this registry.

10. **State and Tribal Equivalent NPL/CERCLIS Sites:** The (ASTM E 1527-05 Standard) requires searching “State and Tribal Equivalent NPL Sites.” A state equivalent to the Federal NPL list is not maintained in District of Columbia. The subject site is not within tribal jurisdiction.
11. **State and Tribal Equivalent CERCLIS Sites:** The (ASTM E 1527-05 Standard) requires searching “State and Tribal Equivalent CERCLIS Sites.” A state equivalent to the Federal CERCLIS list is not maintained in District of Columbia. The subject site is not within tribal jurisdiction.
12. **State and Tribal Registered Storage Tanks:** The District of Columbia Department of the Environment maintains a list of aboveground and underground storage tanks. The subject site is not within tribal jurisdiction.
13. **State and Tribal Landfills and Solid Waste Disposal Sites:** The District of Columbia Solid Waste Disposal Division is responsible for waste disposal at facilities located in Virginia. The subject site is not within tribal jurisdiction.
14. **State and Tribal Leaking Storage Tanks:** The District of Columbia Department of the Environment maintains an inventory of reported leaking underground storage tank incidents. The subject site is not within tribal jurisdiction.
15. **State and Tribal Voluntary Cleanup Sites:** The District of Columbia Department of Health maintains a list of Voluntary Cleanup sites. The subject site is not within tribal jurisdiction.
16. **State and Tribal Brownfield Sites:** The District of Columbia Department of the Environment maintains a list of Brownfield sites which includes properties where redevelopment or re-use may be compromised by the presence or presumed presence of hazardous materials or petroleum. The subject site is not within tribal jurisdiction.
17. **Other Databases Searched (Historical Cleaners and Auto Stations):** EDR Proprietary Records include Historical Cleaners, a database that consists of potential dry cleaner sites; and Historical Auto Stations, available listings of potential gas station/filling station/service station sites.

5.1.2 Detailed Description of Relevant Subject Site Listings

The EDR report identified the following database listings in searched databases (including more databases than listed above) at the subject site.

Super Salvage, Inc. located at 1711 1st Street, SW (Square 0605, Lots 0802, Map ID # C9, C10 and C11) is listed on the LUST (case # 96030), UST and RCRA-CESQC databases. A tank containing gasoline was reported to be leaking in October 1995 and reportedly impacted soil. The status of this release is listed as Closed. A 2,000-gallon gasoline located at the site is listed as Permanently Out of Use. Additionally, this entity is listed as a Conditionally Exempt Small Quantity Generator for storing ignitable hazardous wastes, as well as waste cadmium, lead, benzene, methyl ethyl ketone, tetrachloroethylene, and trichloroethylene. No violations have been reported associated with this listing. Based on its status and impacts being limited to soil, impacts from the LUST do not present a threat to human health or the environment under current site conditions and it is unlikely that the LUST will require additional regulatory action.

5.1.3 Detailed Descriptions of Relevant Nearby Site Listings

The EDR report identified database listings in searched databases (including more databases than listed above) within the prescribed search radii. The majority of the database listings were USTs and LUST sites. Based on the urban area of the site, characterized by subsurface building levels, subway tunnels, and utilities that create barriers to groundwater flow, and based on the assumption that the groundwater under the subject site is tidally influenced, only those sites in the immediate vicinity of the subject site would be anticipated to have the potential to affect the subject site. These sites are listed below.

100 S Street, SW (Map ID # 1), located immediately south of the subject site is listed on the Brownfields database.

PEPCO Buzzard – Tank #1 located at 180 S Street, SW (Map ID # A2), located immediately south of the subject site is listed on the LUST (case number 93094) and Brownfields databases. The site owned and operated a gasoline or diesel UST. A release from the UST was reported in August 1993 and reportedly impacted soil. The status of the release is listed as closed. Based on its status, impacts from the LUST do not present a threat to human health or the environment under current conditions and it is unlikely that the LUST will require additional regulatory action. Buzzard Point Facility, also located at 180 S Street, SW (Square 0607, Lots 0013, Map ID # I36) is listed on the UST database. Three tanks storing gasoline are listed as Permanently Out of Use.

Attis located at 1714 2nd Street, SW (Map ID # A3) is listed on the UST database. The 3,500-gallon tank contained gasoline. The entry is listed as Permanently Out of Use. AT&T is also located at 1714 2nd Street, SW (Square 0605, Lots 0007, Map ID # A4) and is listed on the LUST (case # 92076) and Brownfield databases. The site owned and operated a 3,500 gallon gasoline UST. A release from the UST was reported in July 1992 and impacted soil and groundwater. The status of the release is listed as closed. Based on its status, impacts from the LUST do not present a threat to human health or the environment under current conditions and it is unlikely that the LUST will require additional regulatory action.

PEPCO, located at 1st and T Street, SW (Map ID # 7), located adjacent to the east of the subject site is listed on the UST database. Two entries are included in this database for tanks of capacity 6,000 gallons and containing diesel. These entries are listed as Permanently Out of Use.

An entry located at 1700 1st Street, SW (Map ID # C10), located immediately east of the subject site is listed on the Brownfield database. No additional details are provided.

5.2 ADDITIONAL ENVIRONMENTAL RECORDS REVIEW

To supplement the (ASTM E 1527-05 Standard) environmental record sources, we contacted the following state and local government agencies, and/or reviewed the following additional sources:

5.2.1 D.C. Department of the Environment

Additional environmental records were requested for this assessment through a Freedom of Information Act (FOIA) request to the D.C. Department of the Environment (DCDE). To date, no response has been received from the FOIA request. Due to the information obtained through interviews with key subject site personnel, and other records reviews, it does not appear that responses to the FOIA

requests should affect our conclusions regarding the site. However, if a response is received that affects our conclusions regarding the subject site, we will provide an addendum to this report.

5.2.2 D.C. Fire and EMS Department

Additional environmental records were requested for this assessment through a FOIA request to the DC Fire and EMS Department. This department responded to our request on 27 December 2013. According to the files held by this department, operations taking place at the subject site and adjoining properties are unlikely to be impacting the subject site. A copy of the response from the DC Fire and EMS Department is included in Appendix D.

5.3 USER RESPONSIBILITIES

The AAI Rule requires that the user of the report consider the following:

- Whether the user has specialized knowledge about previous ownership or uses of the subject site that may be material to identifying RECs;
- Whether the user has determined that the subject site's Title contains environmental liens or other information related to the environmental condition of the property, including engineering and institutional controls and Activity and Use Limitations (AULs), as defined by ASTM;
- Whether the user is aware of commonly known or reasonably ascertainable information about the subject site including whether or not the presence of contamination is likely on the subject site and to what degree it can be detected; and
- Whether the user has prior knowledge that the price of the subject site has been reduced for environmentally related reasons.

We requested such information for inclusion in this report. Though neither the AAI Rule nor the ASTM E 1527-05 Standard requires that this information be provided to the environmental professional(s), failure on the part of the user to obtain such information for their own records, should it be reasonably ascertainable, may invalidate the user's compliance with the AAI Rule for CERCLA liability protection in the future.

6. Site Reconnaissance and Key Personnel Interview(s)

A site visit to observe site conditions was conducted by Karin Holland and Christian-Noel Tschibelu of Haley & Aldrich on 28 August 2013. Access to the subject site was provided by Steve Middleton of Super Salvage. An interview with John Keller of Super Salvage was performed in conjunction with the site visit. Haley & Aldrich personnel observed accessible interior areas of the subject site building(s), including common areas, basement areas, mechanical spaces, and tenant spaces. Haley & Aldrich also observed the exterior portions of the subject site, including the property boundaries, and observed adjoining property conditions from the subject site boundaries and/or public thoroughfares. No weather-related conditions or other conditions that would limit our ability to observe the subject site or adjoining properties occurred during our subject site visit. Site photographs are provided in Appendix E. The findings of the subject site visit and interviews are discussed below.

ASTM E 1527-05 Standard Section 10.8 requires that, prior to the subject site visit, the current subject site owner or key site manager and user, if different from the current owner or key site manager, be asked if there are any helpful documents that can be made available for review. These consist of environmental site assessment reports, audits, permits, tank registrations, Material Safety Data Sheets, Community Right-to-Know plans, safety plans, hydrogeologic or geotechnical reports, or hazardous waste generator reports. We made such a request but were not provided with any documents.

6.1 SUBJECT SITE OBSERVATIONS

6.1.1 Current Use of the Property and General Description of Structures

The subject site operates a salvage yard for diverse metal structures, including duct works, iron sheets, cast iron grids, radiators, rebar, and beams. Super Salvage, Inc. has been operating at this property since the 1950s. An office building and a workshop of brick construction are located in the southern portion of this lot. Two additional small buildings, one housing a metal shear and the second adjacent to a weighing station were observed. A three-walled structure is located in the southwestern corner of this property and contains a paint stripper. A small metal trailer is located in the northern portion of the lot. The lot is paved with concrete.

6.1.2 Potable Water Supply and Sewage Disposal System or Septic Systems

The subject site has a potable water supply and a sewage disposal system. Potable water and sanitary sewer service is provided by the District of Columbia Water and Sewer Authority (WASA).

6.1.3 Use and Storage of Petroleum Products and Hazardous Materials

Petroleum products and/or hazardous materials were observed to be used, stored, and/or disposed of at the subject site as described below. The following bulk storage tanks were observed or reported associated with the subject site during the site visit:

Tank #	AST/UST	Contents/Capacity	Location ¹	Use	Closure Status	Observations/Evidence of release
1	AST	Hydraulic oil, 300 gallons	Eastern portion of subject site	Maintenance of heavy machinery	In use	Tanks 1 through 3 are located within the same secondary containment. A thick layer of oil was observed at the bottom of this containment. The integrity of the secondary containment is therefore unknown.
2	AST	Motor oil, 500 gallons	Eastern portion of subject site	Operation of heavy machinery	In use	
3	AST	Filters and oil, unknown capacity	Eastern portion of subject site	Maintenance of heavy machinery	In use	
4	AST	Diesel, 500 gallons	Center of subject site	Operation of three cranes	In use	The AST is located within secondary containment.
5	AST	Diesel, 500 gallons	Northern portion of subject site	Operation of heavy machinery	In use	The AST is not surrounded by secondary containment. Staining was observed on concrete in the vicinity of the AST. A large quantity of waste had been dumped immediately adjacent to the AST preventing Haley & Aldrich representatives to confirm the condition of the concrete beneath this waste.
6	LUST (case # 96030)	Gasoline, 20,000 gallons	Unknown	Unknown	Out of use, listed as Closed	

Other petroleum/hazardous materials observed at the subject site included:

Petroleum Product or Hazardous Substances	Quantity Stored & Container	Storage Location	Use	Observations/ Evidence of release
Antifreeze	55 gallon drum	Eastern portion of subject site	Maintenance of heavy machinery	These drums are stored next to the AST within secondary containment.
Oil	55 gallon drum	Eastern portion of subject site	Maintenance of heavy machinery	
Filters	Four 55 gallon drums	Eastern portion of subject site, south of ASTs	Used filters from equipment awaiting off-site disposal	The drums appeared to be in good condition. No evidence of release.
Oil	55 gallon drum	Eastern portion of subject site	Maintenance of heavy machinery	The drum appeared to be in good condition. No evidence of release.
Propane	Cylinders of various capacities	Southern and southeastern portion of subject site	Torching	Cylinders are reportedly chained when not in use.
Liquid oxygen	Cylinders	Southern portion of subject site	Torching	Cylinders are reportedly chained when not in use.

6.1.4 Disposal of Petroleum Products and Hazardous Materials

A waste contractor pays Super Salvage, Inc., for their used oils, which are recycled off-site.

6.1.5 Odors

No odors were detected with the exception of an unpleasant, hydrocarbon-like odor in the northern portion of the subject site.

6.1.6 PCBs Associated with Electrical or Hydraulic Equipment

Due to the nature of activities, PCB-containing materials are unlikely to be present at the subject site.

6.1.7 Unidentified Substance Containers

Unidentified substance containers were not identified at the subject site.

6.1.8 Heating and Cooling System

The subject site has a natural gas-fired heating system and an electric cooling system.

6.1.9 Stains or Corrosion on Floors, Walls, or Ceilings

Staining was observed on concrete paving in the building housing the shear in the center of the subject site and in the building in the central portion of the lot.

6.1.10 Floor Drains and Sumps

Floor drains were not observed in accessible buildings at the subject site.

Stormwater and spills are pumped to a sump in the southwestern portion of the subject site before being disposed off-site by a licensed contractor. The pump is located at the center of the subject site and liquids are transported via an aboveground pipe to the sump. The sump contained large quantities of oily liquid during the site visit and it was not possible to ascertain whether the sump was lined and/or confirm the integrity of the lining. The site representative could not confirm the status of the sump lining.

6.1.11 Hydraulic Elevators

No hydraulic elevators were observed or reported at the subject site.

6.1.12 Vehicle Maintenance Lifts

No hydraulic vehicle maintenance lifts were observed or reported at the subject site.

6.1.13 Emergency Generators and Sprinkler System Pumps

No emergency generators and sprinkler system pumps were observed or reported at the subject site.

6.1.14 Catch Basins

No catch basins were observed or reported at the subject site.

6.1.15 Dry Wells

Dry wells were not observed or reported at the subject site.

6.1.16 Pits, Ponds, Lagoons, and Pools of Liquid

Pits, Ponds, Lagoons, and Pools of Liquid were not observed or reported at the subject site.

6.1.17 Stained Soil or Pavement

Multiple stains were observed on concrete paving throughout the external areas of the subject site.

6.1.18 Stressed Vegetation

Evidence of stressed vegetation was not observed at the subject site.

6.1.19 Solid Waste and Evidence of Waste Filling

According to the site representative, the subject site does not pay a waste disposal company to collect their solid waste.

6.1.20 Wastewater and Stormwater Discharge

Super Salvage, Inc., pumps all stormwater on the subject site to a designated sump. Wastewater is periodically removed and disposed off-site by a licensed waste contractor.

6.1.21 Monitoring, Water Supply, or Irrigation Wells

Monitoring, water supply, and irrigation wells were not observed or reported at the subject site.

6.1.22 Sanitary Sewer and Septic Systems

Septic systems were not observed or reported at the subject site.

6.2 ADJOINING PROPERTY OBSERVATIONS

Properties adjoining the subject site were generally observed to be light industrial or commercial in nature.

7. Subsurface Exploration

In order to evaluate subsurface conditions at the subject site and assess whether current and former operation at and adjacent to the subject site are impacting the subject site, Haley & Aldrich conducted Phase II subsurface sampling at the subject site. The approximate locations of explorations are shown on Figure 3.

7.1 DIRECT PUSH SAMPLING AND MONITORING INSTALLATIONS 9 THROUGH 27 APRIL 2015

Soil and groundwater investigation activities were conducted at the Site in order to evaluate subsurface conditions and assess whether current and/or former operations at and adjacent to the Site have impacted soil and groundwater quality. These investigation activities were conducted at the Site between 9 and 27 April 2015 at the identified REC locations.

Direct push reports and observation well installation reports are included in Appendix F.

7.1.1 Soil Sampling

Soil samples were collected during advancement of direct-push borings (GSS-605-802-10, GSS-605-802-11, and GSS-605-802-12) and installation of the temporary groundwater monitoring wells (GTW-605-802-1, GTW-605-802-2, GTW-605-802-6, GTW-605-802-7, GTW-605-802-9). Borings were advanced using a track-mounted direct-push drill rig to depths ranging from 10 to 30 feet bgs. Each boring was continuously logged in accordance with the Unified Soil Classification System. Continuous soil cores were collected with hydraulic-percussive driving of a stainless steel sampling probe equipped with dedicated acetate tube liners. Soil cores were observed and documented visually for discoloration and screened for the presence of VOCs using a photoionization detector (PID). The soil sample was collected from the depth interval exhibiting the highest PID reading. Samples were placed in a cooler with ice and submitted for analysis to Pace Analytical Services, Inc., (Pace) under standard chain of custody procedures. Soil samples were analyzed for one or more of the following: TPH, PAHs, VOCs, PCBs and metals.

7.1.2 Groundwater Sampling

Groundwater samples were collected from temporary groundwater monitoring wells (GTW-605-802-1, GTW-605-802-2, GTW-605-802-6, GTW-605-802-7, GTW-605-802-9) installed after completion of direct-push borings to 30 feet bgs. Temporary polyethylene chloride casing was installed with 5 feet of screen from approximately 23 to 30 feet bgs. Samples were collected using low-flow sampling techniques. Field parameters were measured during purging using an in-line flow cell. Groundwater samples were collected after field parameters stabilized in accordance with standard operating procedures. Samples were collected directly from dedicated plastic tubing installed in each well into laboratory-provided containers in a manner to avoid sample agitation and constituent volatilization. Samples were placed in a cooler with ice and submitted for analysis to Pace under standard chain of custody procedures. Groundwater samples were analyzed for one or more of the following: TPH, VOCs, semi-volatile organic compounds (SVOCs), and metals at the Pace laboratory in Charlotte, North Carolina.

Groundwater sampling records are included in Appendix G.

7.2 SUBSURFACE FINDINGS

Subsurface investigations described in this report were not intended to define the lateral extent of petroleum impacts to soil or groundwater at the subject site. The objective was to explore KRECs and SRECs to evaluate current conditions to assess the general magnitude of potential impacts.

7.2.1 Soil Results

Soil analytical results are summarized in Table I, along with regulatory screening levels for comparison. Laboratory analytical reports are included in Appendix H.

Soil sample analytical results were compared to the following screening levels:

- DC Tier 0 Soil Standards from the Tier 0 Standards Final Rulemaking published at 40 DCR 7835, 7892 (12 November 1993), as amended by Final Rulemaking published at 46 DCR 7699 (1 October 1999); and
- Environmental Protection Agency (EPA) Regional Screening Level for Industrial Soil from the EPA Regional Screening Level Tables (May 2014).

For the purpose of this Report, “soil screening levels” are the lower of the above screening levels. Soil sample collection depths ranged from 0 to 15 feet bgs. The following summarizes the results by REC.

- Unlined/unpaved sump (sample locations DP-001 and DP-002): Arsenic, lead, benzo(a)pyrene, and diesel range TPH-DRO were detected at concentrations above soil screening levels.
- Heavy staining of concrete (GSS-605-802-11): Arsenic was detected at a concentration above the soil screening level. Additionally, the highest PID reading was recorded at a depth of 10 to 15 feet bgs, therefore the soil sample was collected from this interval.
- Oil layer in secondary containment under AST (sample locations GTW-605-802-1, GTW-605-802-2, and GSS-605-802-12): Arsenic and TPH-DRO were detected at concentrations above soil screening levels.
- Concrete staining next to northern AST (sample locations GTW-605-802-9 and GSS-605-802-10): Arsenic, lead, PCBs, ethylbenzene, and TPH-DRO were detected at concentrations above soil screening levels.
- Impacts to the adjacent property (sample locations GTW-605-802-6 and GTW-605-802-7): Arsenic and TPH-DRO were detected at concentrations above soil screening levels.

The reported concentrations of arsenic and lead in soil above the soil screening levels may be within naturally occurring background at the Site, and if so, would not warrant remediation.

7.2.2 Groundwater Results

Groundwater analytical results are summarized in Table II, along with regulatory screening levels for comparison. Laboratory analytical reports are included as Appendix H.

Groundwater sample analytical results were compared to the following screening levels:

- DC Tier 1 Risk-based groundwater screening levels for indoor and outdoor inhalation of the resident child (building occupant) from the Risk-Based Corrective Action Technical Guidance, Table 5-8 (June 2011);

- DC Tier 1 Risk-based groundwater screening levels for dermal contact of the construction worker from the Risk-Based Corrective Action Technical Guidance, Table 5-8 (June 2011) and
- EPA regional maximum contaminant levels from the EPA Regional Screening Level (RSL) Summary Table (January 2015).

For the purpose of this Report, “groundwater screening levels” are the lower of the above screening levels. The following summarizes the results by REC.

- Unlined/unpaved sump (soil sample locations DP-001 and DP-002): Groundwater samples were not collected.
- Heavy staining of concrete (soil sample location GSS-605-802-11): Groundwater samples were not collected.
- Oil layer in secondary containment under AST (sample locations GTW-605-802-1 and GTW-605-802-2): Arsenic was detected at concentrations above groundwater screening levels. Reported detection limits for thallium and select SVOCs (benzo[a]pyrene, and pentachlorophenol) were elevated above groundwater screening levels.
- Concrete staining next to northern AST (sample location GTW-605-802-9): Antimony, arsenic, lead, and methylene chloride were detected at concentrations above groundwater screening levels. Reported detection limits for thallium, select VOCs (1,2-dibromo-3-chloropropane, 1,2-dibromoethane and vinyl chloride), and select SVOCs (benzo[a]pyrene, hexachlorobenzene, and pentachlorophenol) were elevated above groundwater screening levels.
- Impacts to the adjacent property (sample locations GTW-605-802-6 and GTW-605-802-7): Lead and methylene chloride were detected at concentrations above the groundwater screening level. Reported detection limits for thallium, select VOCs (1,2-dibromo-3-chloropropane, 1,2-dibromoethane and vinyl chloride), and select SVOCs (benzo[a]pyrene, and pentachlorophenol) were elevated above groundwater screening levels.

8. Findings and Conclusions

Haley & Aldrich, Inc. (Haley & Aldrich) performed a Phase I environmental site assessment (Phase I assessment) of the Super Salvage Inc. property (herein referred to as the “subject site”) in Washington, DC. The scope of work is described and conditioned by our proposal dated 28 June 2013. As indicated in our proposal, this Phase I assessment was performed in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) E 1527-05 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-05 Standard) as referenced in 40 Code of Federal Regulations (CFR) Part 312 [the All Appropriate Inquiries (AAI) Rule]. Deviations from this Standard, and/or data gaps and their significance are described in Section 1.5 of this report. Phase II subsurface sampling was also conducted to evaluate issues identified during the Phase I portion of the assessment. Our conclusions are intended to help the user evaluate the “business environmental risk” associated with the subject site, as defined in the ASTM E 1527-05 Standard and discussed in Section 1.1 of this report.

The subject site is bounded by a property owned by the District of Columbia to the north, S Street, SW to the south, 1st Street, SW to the east and a property owned by Rollingwood Real Estate to the west, and is currently occupied by a salvage yard for diverse metal structures.

The objective of a Phase I assessment is to identify known and suspect “recognized environmental conditions” (RECs), historical RECs (HRECs), and *de minimis* conditions associated with the subject site, as defined in the ASTM E 1527-05 Standard and in Section 1.1 of this report. The objective of the Phase II subsurface sampling is to provide a preliminary evaluation of RECs identified during the Phase I portion of the assessment, including order of magnitude cost and schedule impacts on the proposed development.

The ASTM E 1527-05 Standard requires an environmental professional’s opinion of the potential impacts of RECs, HRECs, and *de minimis* conditions identified on a site during a Phase I assessment. Our opinion is rendered with respect to a REC’s potential (high, medium, or low) to require remedial response based on prevailing agency requirements and our understanding that the subject site is one of seven parcels being evaluated for potential redevelopment as a professional soccer stadium. Our opinion regarding a REC’s potential impact on the subject site (high, medium, low, or unknown) is based on the scope of our work, the information obtained during the course of our work, the conditions prevailing at the time our work was performed, the applicable regulatory requirements in effect at the time our work was performed, and/or our experience evaluating similar sites, and our understanding of the client’s intended use for the subject site.

Soil and groundwater samples were collected for the evaluation of the presence of chemicals of concern at the potential RECs associated with the subject site as described below. Four sample locations were inaccessible, due to a significant amount of concrete or significant piles of scrap metal being stored at these locations. In addition, heavy concrete staining was observed at many locations at the subject site. In certain areas, the staining was too thick to confirm the integrity of the concrete. These constitute a data gap in this report.

RECOGNIZED ENVIRONMENTAL CONDITIONS

The ASTM E 1527-05 Standard defines a REC as “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a

past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property.” A material threat is defined by the ASTM E 1527-05 Standard as “a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professional, is threatening and might result in impact to public health or the environment.”

This Phase I assessment has revealed five KRECs, four SRECs and four HRECs. Details regarding the nature of these RECs and our opinion regarding potential impacts are provided below.

KNOWN OR SUSPECT RECOGNIZED ENVIRONMENTAL CONDITIONS

Consistent with ASTM E 1527-05 Section 12.5 (Report Format), and for the purposes of this assessment, those RECs that have been identified as being present with respect to the subject site are referred to as Known Recognized Environmental Conditions (KRECs), and those RECs that have been identified as being likely present with respect to the subject site are referred to as Suspect Recognized Environmental Conditions (SRECs).

Known Recognized Environmental Conditions

Five KRECs have been identified at the subject site based on the Phase II subsurface sampling results at the subject site and adjoining properties.

- | | |
|--------------------------|--|
| KREC #1: | Potentially unlined/unpaved sump at the subject site |
| Potential Impact: | High |
| Explanation: | On-site stormwater and spills are captured and pumped to a sump in the southwestern portion of the subject site before being disposed off-site by a licensed contractor. The sump contained large quantities of oily liquid during the subject site visit and it was not possible to ascertain whether the sump was lined and/or confirm the integrity of the lining. The site representative could not confirm the status of the sump lining. Haley & Aldrich collected two soil samples in the vicinity of the sump in April 2015. Arsenic, lead, benzo(a)pyrene, and diesel range total petroleum hydrocarbons (TPH-DRO) were detected at concentrations above applicable soil screening levels, as illustrated in Table I. |
| KREC #2: | Heavy staining of concrete at the subject site |
| Potential Impact: | High |
| Explanation: | Heavy concrete staining was observed at many locations at the subject site. The concrete was in moderate to good condition where visible. In other areas, for example the area surrounding the sump pump, the staining was too thick to confirm the integrity of the concrete. Haley & Aldrich collected one soil sample in the vicinity of heavy staining in April 2015. Arsenic was detected at a concentration above the applicable soil screening level, as illustrated in Table I. Groundwater could not be collected in this location. |
| KREC #3: | Oil layer in secondary containment under aboveground storage tanks (ASTs) at the subject site |
| Potential Impact: | High |
| Explanation: | A thick layer of oil was observed at the bottom of the AST tanks in the eastern portion of the subject site. It is understood that the bottom of the containment |

is paved with concrete. However, the integrity of the concrete could not be confirmed. Haley & Aldrich collected three soil and two groundwater samples in the vicinity of heavy staining in April 2015. Arsenic and TPH-DRO were detected at concentrations above applicable soil screening levels, as illustrated in Table I. In addition, arsenic was also detected at concentrations above applicable groundwater screening levels.

KREC #4: Concrete staining in area of an AST at the subject site
Potential Impact: High
Explanation: Concrete staining on paving next to an AST was observed in the northern portion of the subject site. The concrete paving was in relatively good condition during the subject site visit. However a large quantity of waste had been dumped immediately adjacent to the AST preventing the Haley & Aldrich representative from confirming the condition of the concrete beneath this waste. Haley & Aldrich collected two soil and one groundwater samples in the vicinity of heavy staining in April 2015. Arsenic, lead, polychlorinated biphenyls (PCBs), ethylbenzene, and TPH-DRO were detected at concentrations above soil screening levels, as shown in Table I. In addition, antimony, arsenic, lead, and methylene chloride were detected at concentrations above groundwater screening levels.

KREC #5: Impacts in northern portion of subject site/to the property adjacent to north of the subject site
Potential Impact: High
Explanation: Haley & Aldrich collected two soil and two groundwater samples (GTW-605-802-6 and GTW-605-802-7) along the boundary of the subject site and the property adjacent to the north. Arsenic and TPH-DRO were detected at concentrations above soil screening levels, as shown in Table I. In addition, lead and methylene chloride were detected at concentrations above the groundwater screening level, as indicated in Table II.

Suspect Recognized Environmental Conditions

The following SREC was observed on the adjacent property west of the subject site during site visits by Haley & Aldrich for the comprehensive Phase I assessment of Buzzard Point in August and 2013 and from a limited Phase II subsurface investigation performed by Haley & Aldrich in September 2014.

SREC #1: Soil and groundwater petroleum impacts that may have migrated from subject site
Potential Impact: High
Explanation: A soil sample obtained from test boring collected by Haley & Aldrich from beneath the eastern portion of the property immediately adjacent to the west in September 2014 revealed a polycyclic aromatic hydrocarbon (PAH), benzo(a)pyrene, and arsenic above applicable soil screening levels. In addition, free-phase oil was observed in groundwater at this location from a depth of 7.6 feet bgs to 20.9 feet bgs. TPH-DRO also exceeded applicable groundwater concentrations at this location. Additional soil sampling by Haley & Aldrich in April 2015 at this adjacent property revealed the presence of arsenic and TPH-DRO in soil at concentrations above associated soil screening levels.

Furthermore, lead and methylene chloride were detected at concentrations above applicable groundwater screening level. The impacts might be associated with the potentially unlined/unpaved sump described above (KREC #1).

The following SRECs were observed on the adjacent property south and southeast of the subject site during site visits by Haley & Aldrich for the comprehensive Phase I assessment of Buzzard Point in August and December 2013 and from a Phase II subsurface investigation performed by Haley & Aldrich in December 2013.

SREC #2: Shallow subsurface petroleum impact from surface staining or urban fill at Square 0607, Lot 0013

Potential Impact: Low

Explanation: Apparent hydrocarbon stains were observed during a site visit on 28 August 2013 on an asphalt-paved portion of the property at Square 0607, Lot 0013 that is currently used as a parking lot. A crack was observed in the asphalt under one of these stains and a soil sample collected by Haley & Aldrich from beneath the asphalt revealed total petroleum hydrocarbons – diesel range organics (TPH-DRO) concentration of 184 milligrams per kilogram (mg/kg). This TPH-DRO detection confirms the presence of minor petroleum contamination in shallow soil, exceeding the D.C. Municipal Regulations (DCMR) Tier 0 Soil Standard for TPH of 100 mg/kg. The vertical extent of impact is currently not known, although based on the relatively low concentration immediately beneath the staining, the degree of impact appears to be minor. The TPH-DRO detection may also be related to urban fill encountered in this boring.

Analytical results for a soil sample collected along S Street, SW from a depth of 5 to 10 feet below grade indicated minor petroleum impact (TPH-DRO at 119 mg/kg). This TPH-DRO detection confirms the presence of minor petroleum contamination in shallow soil, exceeding the DCMR Tier 0 Soil Standard for TPH of 100 mg/kg. Benzo(a)pyrene was also detected at 8.67 mg/kg, slightly exceeding the DC Risk-Based Corrective Action (DCRBCA) Screening Levels (SL) for construction worker exposure of 5.92 mg/kg. Other PAHs and metals (arsenic at 4.8 mg/kg and chromium at 10.3 mg/kg) were detected at concentrations exceeding the EPA Region III Risk-Based Screening Level (RSLs) for residential soil. The source and extent of impact is not known, although urban fill was encountered in this boring, which commonly yields similar results. A potential exists for subsurface impacts at adjacent sites to migrate to the subject site.

SREC #3: Minor groundwater contamination associated with chlorinated solvents at Square 0607, Lot 0013

Potential Impact: Low

Explanation: Advantage Environmental Consultants, LLC (AEC) detected chlorinated solvents (tetrachloroethylene, trichloroethylene [TCE], 1,2 dichloroethane, and vinyl chloride[VC]) in a groundwater sample collected near the southeast corner of the property at Square 0607, Lot 0013 during a Phase II assessment conducted in 2005. The source of the chlorinated solvents is not known; however, Geomatrix, Inc. indicated an “asphalt pit” in this area of the subject site on Figure 3 of their Phase II assessment report completed in 1990. Chlorinated solvents detected in groundwater may also be due to migration from some unknown source

upgradient from the property. A groundwater sample collected by Haley & Aldrich in this area of the property confirmed the presence of minor contamination associated with chlorinated solvents, including relatively low concentrations of TCE and VC (43.9 and 38 micrograms per liter [$\mu\text{g/L}$], respectively). The VC concentration exceeds the EPA Region III Risk-Based Screening Level (SL) for residential exposure via ingestion, which may not be applicable to the subject site. The extent of impact is not known, although volatile organic compounds were reportedly not detected in groundwater samples collected by AEC at several other locations in 2005, suggesting the extent may be limited to the southeast corner of the property and are thus unlikely to impact the subject site.

SREC #4: Substation operations at Potomac Electric Power Company (PEPCO) Square 663, Lot 0024

Potential Impact: Medium

Explanation: Due to the age of the substation and the nature of activities taking place, there is a potential for leaks, spills or polychlorinated biphenyl-containing materials to be present at this lot. A potential exists for these impacts at adjacent sites to migrate to the subject site.

HISTORICAL RECS

The ASTM E 1527-05 Standard defines an HREC as an environmental condition “which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently.”

This Phase I assessment has revealed the following four HRECs.

HREC #1: LUST case # 96030 at the subject site and related to a tank containing gasoline was reported to be impacting soil and was granted regulatory closure. Based on its status and impacts being limited to soil, impacts from the LUST do not present a threat to human health or the environment under current site conditions and it is unlikely that the LUST will require additional regulatory action.

HREC #2: LUST case # 92076 on an adjacent property to the west of the subject site is associated with a gasoline LUST that historically impacted soil and groundwater under the subject site. The status of the LUST release is listed as closed. Based on its status, impacts from the LUST do not present a threat to human health or the environment under current conditions and it is unlikely that the LUST will require additional regulatory action.

HREC #3: An on-site 20,000 gallon gasoline LUST (case # 93094) at on an adjacent parcel to the south of the subject site at Square 0607, Lot 0013 historically impacted soil and groundwater under the subject site and was reported in August 1993. The LUST case received regulatory closure in May 1994. Based on its status, impacts from the LUST do not present a threat to human health or the environment under current conditions and it is unlikely that the LUST will require additional regulatory action.

HREC #4: Open Leaking Underground Storage Tank (LUST) case # 93051 on an adjacent parcel to the southeast of the subject site at Square 665, Lot 0024, Potomac Electric Power Company (PEPCO) Generating Station. In 1993, significant gasoline and diesel contamination was discovered in soil and groundwater on the northern portion of Square 665, Lot 0024. PEPCO performed monitoring and

remediation activities during the 1990s, removing more than 1,000 gallons of liquid-phase hydrocarbons (LPH). However, the latest groundwater sampling data reviewed in a 2005 Phase I indicated that total petroleum hydrocarbons and benzene, toluene, ethylbenzene and xylenes were above applicable regulatory standards in certain monitoring wells. Based on its status, impacts from the LUST do not present a threat to human health or the environment under current site conditions and it is unlikely that the LUST will require additional regulatory action.

DE MINIMIS CONDITIONS

The ASTM E 1527-05 Standard defines *de minimis* conditions as those conditions which “do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.” The ASTM E 1527-05 Standard notes that “conditions determined to be *de minimis* are not recognized environmental conditions.”

This Phase I assessment revealed no *de minimis* conditions.

SUMMARY AND RECOMMENDATIONS

In summary, several RECs were identified during this Phase I assessment and subsequent Phase II sampling. Phase II subsurface sampling described in this report did not delineate the extent of petroleum and metal impacts detected in soil or groundwater at the subject site, and based on the concentrations detected, it is our opinion that additional action may be required under current conditions at the subject site.

Based on the analytical results collected to date, soil remediation may be required to reduce the threat to human health for the on-Site construction worker and future stadium occupant and to reduce the threat to groundwater quality. Potential order of magnitude cost impacts from the identified RECs at the Site range from \$240,000 to \$3,600,000. These costs and their associated assumptions are summarized in Table III. The soil screening levels and groundwater screening levels used for evaluation of impacts at the Site do not account for cumulative health risks. Additionally, groundwater remediation and/or vapor intrusion mitigation in the construction of the stadium may be required to reduce the threat to human health. The potential order of magnitude costs for soil remediation are based on the currently available data understanding that several unanticipated Site restrictions associated with an active salvage yard and unknown subsurface restrictions were encountered during the investigation activities described in this Phase I assessment. The presence of a significant layer of concrete under portions of the Site also restricted investigation at select locations.

9. Credentials

This Phase I assessment report was prepared by Karin Holland under the direct supervision of David Schoenwolf. Qualification information for the project personnel is provided below.

KARIN HOLLAND **Senior Specialist**

Ms. Holland received a Bachelor of Arts degree in Natural Sciences from the University of Cambridge, United Kingdom in 2002 and a Master of Science degree in Law and Environmental Science from the University of Nottingham, United Kingdom in 2003. Ms. Holland is involved in a variety of projects including environmental site assessments, soil management, and field sampling events. Her responsibilities with Phase I Environmental Site Assessments include site history research, interaction with clients and state regulatory agencies, interpretation and evaluation of environmental conditions, and development of recommendations for future investigations.

DAVID SCHOENWOLF, P.E. **Principal Consultant | Senior Vice president**

Mr. Schoenwolf has over 36 years of experience in the engineering and environmental consulting practice. Mr. Schoenwolf has been an Officer-in-charge and project manager for geotechnical engineering and environmental evaluations for a broad range of projects. His scope of projects has ranged from preliminary feasibility studies, environmental site assessments, and master plan site development studies to complete design investigations for major projects including preparing geotechnical data and interpretive reports; preparing contract documents, technical specifications, and reviewing contractor submittals; instrumentation monitoring; and construction consulting. He is a registered professional engineer in the District of Columbia.

References

1. Topographic Map, Washington West, District of Columbia Quadrangle, United States Geological Survey 7.5 minute series, dated 1983.
2. Haley & Aldrich, Inc., site visit conducted by Karin Holland and Christian-Noel Tschibelu on 28 August 2013.
3. Tat-Lin Angus of PEPCO, Terrance Jones of Akridge and John Keller of Super Salvage, Inc. interviews with Haley & Aldrich, Inc., on 28 August 2013.
4. Environmental Data Resources, Database Report, dated July 2013.
5. "Assessment of the Buzzard Point Properties," prepared by Geomatrix, Inc., prepared for Potomac Electric Power Company, dated March 1990.
6. "Phase I Environmental Site Assessment, Buzzard Point, Squares 609 & 611, 2nd Street and V Street, SW, Washington, DC," prepared by URS, prepared for PEPCO Holdings Inc., dated 4 April 2005.
7. "Phase I Environmental Site Assessment, Buzzard Point, 2nd Street and V Street, SW, Washington, DC," prepared by Advantage Environmental Consultants, LLC (AEC), prepared for The John Akridge Companies, Inc., dated 10 June 2005.
8. "Phase II Environmental Site Assessment, Buzzard Point, 2nd Street and V Street, SW, Washington, DC," prepared by AEC, prepared for The John Akridge Companies, Inc., dated 10 June 2005.

TABLE 1
 SUMMARY OF SOIL QUALITY DATA
 SUPER SALVAGE, INC., PARCEL AT BUZZARD POINT, SQUARE 0605, LOT 0802
 WASHINGTON, D.C.

Location Sample Date Sample Name Sample Type Sample Depth (ft bgs)	DC Tier 0 Soil Standards ¹	EPA Regional Screening Level for Industrial Soil ²	DP-001-SO-100 04/22/2015 DP-001-SO-100-01 Primary 0 - 10	DP-002-SO-100 04/22/2015 DP-002-SO-100-01 Primary 0 - 10	GTW-605-802-1 04/22/2015 GTW-605-802-1-1 Primary 15 - 20	GTW-605-802-2 04/22/2015 GTW-605-802-2-1 Primary 5 - 10	GTW-605-802-6 04/09/2015 GTW-605-802-6-1 Primary 3 - 5	GTW-605-802-7 04/10/2015 GTW-605-802-7-1 Primary 5 - 8	GTW-605-802-9 04/09/2015 GTW-605-802-9-1 Primary 3 - 5	GSS-605-802-10 04/21/2015 GSS-605-802-10-1 Primary 1.5 - 5	GSS-605-802-11 04/22/2015 GSS-605-802-11-1 Primary 10 - 15	GSS-605-802-12 04/22/2015 GSS-605-802-12-1 Primary 10 - 15	GSS-605-802-12 04/22/2015 GSS-605-802-12-2 Duplicate 10 - 15
Inorganic Compounds (mg/kg)	mg/kg	mg/kg											
Aluminum	-	1,100,000	4,380	3,990	14,400	7,360	3,030	4,400	4,860	8,420	10,600	6,530	10,700
Antimony	-	470	7.8	14.1	< 0.57	< 0.45	1.1	2.4	3.2	16.9	< 0.41	2.7	< 0.56
Arsenic	-	3.0	6.5	7.5	4.2	7.1	12.7	3.9	14.8	7.6	4.1	9.7	6.0
Barium	-	220,000	242	243	104	68.3	106	53.2	246	159	68.7	139	97.5
Beryllium	-	2,300	0.22	0.23	0.92	0.87	0.42	0.91	0.37	0.083	0.48	0.42	0.71
Cadmium	-	980	0.69	0.23	0.11 J	0.054 J	0.18	0.25	2.1	4.8	0.069 J	0.23	0.098 J
Calcium	-	-	48,600	34,000	1,390	1,830	4,670	4,120	9,020	72,600	648	31,500	366
Chromium	-	-	33.9	29.9	16.9	9.1	6.0	9.8	19.4	47.7	15.0	17.5	12.9
Cobalt	-	350	7.7	7.2	8.3	20.4	3.3	3.9	5.8	11.2	3.4	5.8	10.8
Copper	-	47,000	373	329	27.1	7.0	55.3	53.1	104	662	12.6	55.1	16.2
Iron	-	820,000	27,300	26,500	26,900	16,000	7,130	14,700	24,100	37,100	21,200	15,600	25,500
Lead	-	800	1,450	1,690	14.4	14.8	302	62.1	475	1,740	11.1	502	14.3
Magnesium	-	-	2,300	1,740	2,790	672	335	392	1,500	4,460	1,560	1,950	1,800
Manganese	-	26,000	323	320	134	2,310	73.1	57.6	297	348	87.6	319	274
Mercury	-	40	0.60	1.6	0.014	0.049	0.12	0.021	0.19	0.40	0.030	0.41	0.0078
Nickel	-	22,000	119	13.0	17.3	6.9	8.3	9.6	15.3	279	7.9	8.8	11.4
Potassium	-	-	525	535	777	517	< 550	< 596	790	1,310	413	812	< 565
Selenium	-	5,800	< 0.70	< 0.95	< 1.1	< 0.90	< 1.1	< 1.2	< 1.1	< 0.80	< 0.82	< 1.1	< 1.1
Silver	-	5,800	0.45	0.44 J	< 0.57	< 0.45	0.32 J	0.73	0.87	1.6	< 0.41	0.70	< 0.56
Sodium	-	-	231 J	< 476	< 570	< 450	< 550	< 596	399 J	585	< 412	< 549	< 565
Thallium	-	12	< 0.70	< 0.95	< 1.1	< 0.90	< 1.1	< 1.2	< 1.1	< 0.80	< 0.82	< 1.1	< 1.1
Vanadium	-	5,800	18.1	19.0	32.5	22.2	13.6	19.8	21.1	890	27.0	20.8	27.2
Zinc	-	350,000	470	418	51.5	19.0	76.5	41.7	371	1,560	26.4	212	35.7
Polychlorinated Biphenyls (µg/kg)	µg/kg	µg/kg											
Aroclor-1016 (PCB-1016)	-	30,000	-	-	< 47.4	< 223	< 39.9	< 379	< 383	< 208	< 40.8	< 40.6	< 417
Aroclor-1221 (PCB-1221)	-	660	-	-	< 47.4	< 223	< 39.9	< 379	< 383	< 208	< 40.8	< 40.6	< 417
Aroclor-1232 (PCB-1232)	-	660	-	-	< 47.4	< 223	< 39.9	< 379	< 383	< 208	< 40.8	< 40.6	< 417
Aroclor-1242 (PCB-1242)	-	1,000	-	-	< 47.4	< 223	< 39.9	< 379	2,280	2,360	< 40.8	< 40.6	< 417
Aroclor-1248 (PCB-1248)	-	1,000	-	-	< 47.4	< 223	< 39.9	< 379	< 383	2,020	< 40.8	< 40.6	< 417
Aroclor-1254 (PCB-1254)	-	1,000	-	-	< 47.4	< 223	< 39.9	< 379	< 383	< 208	< 40.8	< 40.6	< 417
Aroclor-1260 (PCB-1260)	-	1,000	-	-	< 47.4	< 223	< 39.9	< 379	2,010	< 208	< 40.8	27.0 J	< 417
Polycyclic Aromatic Hydrocarbons (µg/kg)	µg/kg	µg/kg											
1-Methylnaphthalene	-	73,000	-	< 388	-	-	< 20,000	2840 J	< 19,100	-	-	-	-
2-Methylnaphthalene	-	3,000,000	-	< 388	-	-	< 20,000	3420 J	< 19,100	-	-	-	-
Acenaphthene	-	45,000,000	-	125 J	-	-	< 20,000	< 6,370	< 19,100	-	-	-	-
Acenaphthylene	-	-	-	104 J	-	-	< 20,000	< 6,370	< 19,100	-	-	-	-
Anthracene	-	230,000,000	-	463	-	-	< 20,000	< 6,370	< 19,100	-	-	-	-
Benzo(a)anthracene	-	2,900	-	1,300	-	-	< 20,000	< 6,370	< 19,100	-	-	-	-
Benzo(a)pyrene	-	290	-	1,240	-	-	< 20,000	< 6,370	< 19,100	-	-	-	-
Benzo(b)fluoranthene	-	2,900	-	1,480	-	-	< 20,000	< 6,370	< 19,100	-	-	-	-
Benzo(g,h,i)perylene	-	-	-	833	-	-	< 20,000	< 6,370	< 19,100	-	-	-	-
Benzo(k)fluoranthene	-	29,000	-	600	-	-	< 20,000	< 6,370	< 19,100	-	-	-	-
Chrysene	-	290,000	-	1,150	-	-	< 20,000	< 6,370	< 19,100	-	-	-	-
Dibenz(a,h)anthracene	-	290	-	< 388	-	-	< 20,000	< 6,370	< 19,100	-	-	-	-
Fluoranthene	-	30,000,000	-	3,010	-	-	< 20,000	< 6,370	5560 J	-	-	-	-
Fluorene	-	30,000,000	-	127 J	-	-	< 20,000	< 6,370	< 19,100	-	-	-	-

TABLE 1
 SUMMARY OF SOIL QUALITY DATA
 SUPER SALVAGE, INC., PARCEL AT BUZZARD POINT, SQUARE 0605, LOT 0802
 WASHINGTON, D.C.

Location Sample Date Sample Name Sample Type Sample Depth (ft bgs)	DC Tier 0 Soil Standards ¹	EPA Regional Screening Level for Industrial Soil ²	DP-001-SO-100 04/22/2015 DP-001-SO-100-01 Primary 0 - 10	DP-002-SO-100 04/22/2015 DP-002-SO-100-01 Primary 0 - 10	GTW-605-802-1 04/22/2015 GTW-605-802-1-1 Primary 15 - 20	GTW-605-802-2 04/22/2015 GTW-605-802-2-1 Primary 5 - 10	GTW-605-802-6 04/09/2015 GTW-605-802-6-1 Primary 3 - 5	GTW-605-802-7 04/10/2015 GTW-605-802-7-1 Primary 5 - 8	GTW-605-802-9 04/09/2015 GTW-605-802-9-1 Primary 3 - 5	GSS-605-802-10 04/21/2015 GSS-605-802-10-1 Primary 1.5 - 5	GSS-605-802-11 04/22/2015 GSS-605-802-11-1 Primary 10 - 15	GSS-605-802-12 04/22/2015 GSS-605-802-12-1 Primary 10 - 15	GSS-605-802-12 04/22/2015 GSS-605-802-12-2 Duplicate 10 - 15
Indeno(1,2,3-cd)pyrene	-	2,900	-	718	-	-	< 20,000	< 6,370	< 19,100	-	-	-	-
Naphthalene	-	17,000	-	118 J	-	-	< 20,000	2750 J	< 19,100	-	-	-	-
Phenanthrene	-	-	-	1,780	-	-	< 20,000	1670 J	4190 J	-	-	-	-
Pyrene	-	23,000,000	-	2,010	-	-	< 20,000	< 6,370	4900 J	-	-	-	-
Total Petroleum Hydrocarbons (mg/kg)	mg/kg	mg/kg											
Total Petroleum Hydrocarbons (C6-C10) GRO	100	-	< 7.0	< 7.1	< 8.6	< 8.0	< 7.3	10.7	< 6.9	< 7.6	< 7.4	< 7.3	< 7.6
Total Petroleum Hydrocarbons (C10-C28) DRO	100	-	240	356	< 7.2	135	124	299	3,260	782	< 6.2	173	25.2
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	344	319	6,590	-	-	-	-
Volatile Organic Compounds (µg/kg)	µg/kg	µg/kg											
1,1,1,2-Tetrachloroethane	-	8,800	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
1,1,1-Trichloroethane	-	36,000,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
1,1,2,2-Tetrachloroethane	-	2,700	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
1,1,2-Trichloroethane	-	5,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
1,1-Dichloroethane	-	16,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
1,1-Dichloroethene	-	1,000,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
1,1-Dichloropropene	-	-	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
1,2,3-Trichlorobenzene	-	660,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
1,2,3-Trichloropropane	-	110	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
1,2,4-Trichlorobenzene	-	110,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
1,2,4-Trimethylbenzene	-	240,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	1,980	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	-	64	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
1,2-Dibromoethane (Ethylene Dibromide)	-	160	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
1,2-Dichlorobenzene	-	9,300,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
1,2-Dichloroethane	-	2,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
1,2-Dichloropropane	-	4,400	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
1,3,5-Trimethylbenzene	-	12,000,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	847	-	-	-	-
1,3-Dichlorobenzene	-	-	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
1,3-Dichloropropane	-	23,000,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
1,4-Dichlorobenzene	-	11,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
2,2-Dichloropropane	-	-	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
2-Butanone (Methyl Ethyl Ketone)	-	190,000,000	< 85.3	< 117	-	-	< 148	< 193	444 J	-	-	-	-
2-Chlorotoluene	-	23,000,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
2-Hexanone	-	1,300,000	< 42.7	< 58.7	-	-	< 73.9	< 96.3	< 1,410	-	-	-	-
2-Phenylbutane (sec-Butylbenzene)	-	120,000,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	75.0 J	-	-	-	-
4-Chlorotoluene	-	23,000,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	-	56,000,000	< 42.7	< 58.7	-	-	< 73.9	< 96.3	< 1,410	-	-	-	-
Acetone	-	670,000,000	66.3 J	53.2 J	-	-	< 148	173 J	< 2,830	-	-	-	-
Benzene	5	5,100	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
Bromobenzene	-	1,800,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
Bromodichloromethane	-	1,300	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
Bromoform	-	290,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
Bromomethane (Methyl Bromide)	-	30,000	< 8.5	< 11.7	-	-	< 14.8	< 19.3	< 283	-	-	-	-
Carbon tetrachloride	-	2,900	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
Chlorobenzene	-	1,300,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
Chlorobromomethane	-	630,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
Chloroethane	-	57,000,000	< 8.5	< 11.7	-	-	< 14.8	< 19.3	< 283	-	-	-	-
Chloroform (Trichloromethane)	-	1,400	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
Chloromethane (Methyl Chloride)	-	460,000	< 8.5	< 11.7	-	-	< 14.8	< 19.3	< 283	-	-	-	-

TABLE 1
SUMMARY OF SOIL QUALITY DATA
SUPER SALVAGE, INC., PARCEL AT BUZZARD POINT, SQUARE 0605, LOT 0802
WASHINGTON, D.C.

Location Sample Date Sample Name Sample Type Sample Depth (ft bgs)	DC Tier 0 Soil Standards ¹	EPA Regional Screening Level for Industrial Soil ²	DP-001-SO-100 04/22/2015 DP-001-SO-100-01 Primary 0 - 10	DP-002-SO-100 04/22/2015 DP-002-SO-100-01 Primary 0 - 10	GTW-605-802-1 04/22/2015 GTW-605-802-1-1 Primary 15 - 20	GTW-605-802-2 04/22/2015 GTW-605-802-2-1 Primary 5 - 10	GTW-605-802-6 04/09/2015 GTW-605-802-6-1 Primary 3 - 5	GTW-605-802-7 04/10/2015 GTW-605-802-7-1 Primary 5 - 8	GTW-605-802-9 04/09/2015 GTW-605-802-9-1 Primary 3 - 5	GSS-605-802-10 04/21/2015 GSS-605-802-10-1 Primary 1.5 - 5	GSS-605-802-11 04/22/2015 GSS-605-802-11-1 Primary 10 - 15	GSS-605-802-12 04/22/2015 GSS-605-802-12-1 Primary 10 - 15	GSS-605-802-12 04/22/2015 GSS-605-802-12-2 Duplicate 10 - 15
cis-1,2-Dichloroethene	-	2,300,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
cis-1,3-Dichloropropene	-	-	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
Cymene (p-Isopropyltoluene)	-	-	< 4.3	< 5.9	-	-	< 7.4	< 9.6	270	-	-	-	-
Dibromochloromethane	-	3,200	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
Dibromomethane	-	98,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
Dichlorodifluoromethane (CFC-12)	-	370,000	< 8.5	< 11.7	-	-	< 14.8	< 19.3	< 283	-	-	-	-
Diisopropyl ether	-	9,400,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
Ethylbenzene	40	25,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	114 J	-	-	-	-
Hexachlorobutadiene	-	30,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
Isopropylbenzene	-	9,900,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	64.2 J	-	-	-	-
m,p-Xylenes	-	-	< 8.5	< 11.7	-	-	< 14.8	< 19.3	328	-	-	-	-
Methyl Tert Butyl Ether	-	210,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
Methylene chloride	-	1,000,000	3.7 J	14.8 J	-	-	< 29.6	21.6 J	< 565	-	-	-	-
Naphthalene	-	17,000	< 4.3	1.7 J	-	-	3.8 J	< 9.6	730	-	-	-	-
n-Butylbenzene	-	58,000,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	169	-	-	-	-
n-Propylbenzene	-	22,000,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	125 J	-	-	-	-
o-Xylene	-	2,800,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	329	-	-	-	-
Styrene	-	35,000,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
tert-Butylbenzene	-	120,000,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
Tetrachloroethene	-	100,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
Toluene	9,600	47,000,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	118 J	-	-	-	-
trans-1,2-Dichloroethene	-	23,000,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
trans-1,3-Dichloropropene	-	-	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
Trichloroethene	-	6,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	< 141	-	-	-	-
Trichlorofluoromethane (CFC-11)	-	3,100,000	< 4.3	< 5.9	-	-	< 7.4	< 9.6	119 J	-	-	-	-
Vinyl acetate	-	3,800,000	< 42.7	< 58.7	-	-	< 73.9	< 96.3	< 1,410	-	-	-	-
Vinyl chloride	-	1,700	< 8.5	< 11.7	-	-	< 14.8	< 19.3	< 283	-	-	-	-
Xylene (total)	3,860	2,500,000	< 8.5	< 11.7	-	-	< 14.8	< 19.3	657	-	-	-	-

NOTES

- Bold where detected; highlighted where exceeds
- ft bgs = feet below ground surface
- mg/kg = milligrams per kilogram
- µg/kg = micrograms per kilogram
- = screening level not available/sample not analyzed
- < = not detected at the indicated reporting limit
- J = estimated value
- 1. DC Tier 0 Standards from the Tier 0 Standard Final Rulemaking published at 40 DCR 7835, 7892 (November 12, 1993); as amended by Final Rulemaking published at 46 DCR 7699 (October 1, 1999)
- 2. United States Environmental Protection Agency (EPA) Regional Screening Level (RSL) Summary Table (January 2015)

TABLE 2
 SUMMARY OF GROUNDWATER QUALITY DATA
 SUPER SALVAGE, INC., PARCEL AT BUZZARD POINT, SQUARE 0605, LOT 0802
 WASHINGTON, D.C.

Location Sample Date Sample Name Sample Type Sample Depth (ft bgs)	DC Tier 1 Risk-based Groundwater Screening Level ¹			EPA Regional Maximum Contaminant Level ²	GTW-605-802-1 04/27/2015	GTW-605-802-2 04/27/2015	GTW-605-802-2 04/27/2015	GTW-605-802-6 04/27/2015	GTW-605-802-7 04/27/2015	GTW-605-802-9 04/10/2015
	Indoor Inhalation	Outdoor Inhalation	Dermal Contact		GTW-605-802-1-2 Primary 23.5 - 28.5	GTW-605-802-2-2 Primary 24.5 - 29.5	GTW-605-802-2-3 Duplicate 24.5 - 29.5	GTW-605-802-6-2 Primary 24.5 - 29.5	GTW-605-802-7-2 Primary 25 - 30	GTW-605-802-9-2 Primary 24.5 - 29.5
Inorganic Compounds (µg/L)	µg/L	µg/L	µg/L	µg/L						
Aluminum, Total	-	-	-	-	3,030	4,580	3,450	3,690	68.7 J	24,300
Antimony, Total	-	-	-	6	< 5.0	8.6	7.1	< 5.0	< 5.0	6.9
Arsenic, Total	-	-	-	10	< 10	7.4 J	< 10	< 10	< 10	10.6
Barium, Total	-	-	-	2,000	33.5	33.6	25.5	127	91.2	359
Beryllium, Total	-	-	-	4	0.19 J	0.31 J	0.33 J	0.37 J	< 1.0	1.5
Cadmium, Total	-	-	-	5	< 1.0	0.41 J	0.55 J	0.097 J	< 1.0	1.3
Calcium, Total	-	-	-	-	47,600	48,600	42,600	14,000	69,000	125,000
Chromium, Total	-	-	-	100	5.9	11.7	8.6	8.9	< 5.0	41.6
Cobalt, Total	-	-	-	-	28.8	92	74.7	60.8	18.6	82.2
Copper, Total	-	-	-	1,300	14.7	9.5	17.6	12.1	3.6 J	42.2
Iron, Total	-	-	-	-	6,210	10,500	7,390	10,500	944	45,600
Lead, Total	-	-	-	15	6.5	8.8	11.5	15.2	2.7 J	30.2
Magnesium, Total	-	-	-	-	37,300	46,000	41,900	15,400	33,800	73,900
Manganese, Total	-	-	-	-	4,570	5,450	4,420	2,740	2,840	17,600
Mercury, Total	-	-	-	2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Nickel, Total	-	-	-	-	14.7	35.5	29.5	18.4	14	41.6
Potassium, Total	-	-	-	-	4750 J	2960 J	< 5,000	< 5,000	3710 J	8780
Selenium, Total	-	-	-	50	< 10	< 10	< 10	< 10	< 10	< 10
Silver, Total	-	-	-	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	3.9 J
Sodium, Total	-	-	-	-	208,000	768,000	765,000	252,000	50,900	411,000
Thallium, Total	-	-	-	2	< 10	< 10	< 10	< 10	< 10	< 10
Vanadium, Total	-	-	-	-	10.7	16	12.1	10.6	< 5.0	69.8
Zinc, Total	-	-	-	-	28.2	59.3	51	77.7	29.2	107
Total Petroleum Hydrocarbons (mg/L)	mg/L	mg/L	mg/L	mg/L						
Total Petroleum Hydrocarbons (C6-C10) GRO	38.8	85,400	-	-	< 0.080	< 0.080	0.12 J	< 0.080	< 0.080	< 0.080
Total Petroleum Hydrocarbons (C10-C28) DRO	245	543,000	-	-	< 0.50	0.62	< 0.50	1.2	0.11 J	< 0.50
Total Petroleum Hydrocarbons (C28-C40)	-	-	-	-	-	-	-	-	-	< 2.0
Semi-Volatile Organic Compounds (µg/L)	µg/L	µg/L	µg/L	µg/L						
1,2,4-Trichlorobenzene	-	-	-	70	< 10	< 10	< 10	-	< 10	< 20
1,2-Dichlorobenzene	-	-	-	600	< 10	< 10	< 10	-	< 10	< 20
1,3-Dichlorobenzene	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
1,4-Dichlorobenzene	-	-	-	75	< 10	< 10	< 10	-	< 10	< 20
1-Methylnaphthalene	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
2,2'-oxybis(1-Chloropropane)	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
2,4,5-Trichlorophenol	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
2,4,6-Trichlorophenol	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
2,4-Dichlorophenol	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
2,4-Dimethylphenol	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
2,4-Dinitrophenol	-	-	-	-	< 50	< 50	< 50	-	< 50	< 100
2,4-Dinitrotoluene	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
2,6-Dinitrotoluene	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
2-Chloronaphthalene	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20

TABLE 2
 SUMMARY OF GROUNDWATER QUALITY DATA
 SUPER SALVAGE, INC., PARCEL AT BUZZARD POINT, SQUARE 0605, LOT 0802
 WASHINGTON, D.C.

Location Sample Date Sample Name Sample Type Sample Depth (ft bgs)	DC Tier 1 Risk-based Groundwater Screening Level ¹			EPA Regional Maximum Contaminant Level ²	GTW-605-802-1	GTW-605-802-2	GTW-605-802-2	GTW-605-802-6	GTW-605-802-7	GTW-605-802-9
	Indoor Inhalation	Outdoor Inhalation	Dermal Contact		04/27/2015	04/27/2015	04/27/2015	04/27/2015	04/27/2015	04/10/2015
					GTW-605-802-1-2 Primary 23.5 - 28.5	GTW-605-802-2-2 Primary 24.5 - 29.5	GTW-605-802-2-3 Duplicate 24.5 - 29.5	GTW-605-802-6-2 Primary 24.5 - 29.5	GTW-605-802-7-2 Primary 25 - 30	GTW-605-802-9-2 Primary 24.5 - 29.5
2-Chlorophenol	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
2-Methylnaphthalene	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
2-Methylphenol	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
2-Nitroaniline	-	-	-	-	< 50	< 50	< 50	-	< 50	< 100
2-Nitrophenol	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
3&4-Methylphenol	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
3,3'-Dichlorobenzidine	-	-	-	-	< 20	< 20	< 20	-	< 20	< 40
3-Nitroaniline	-	-	-	-	< 50	< 50	< 50	-	< 50	< 100
4,6-Dinitro-2-methylphenol	-	-	-	-	< 20	< 20	< 20	-	< 20	< 40
4-Bromophenyl phenyl ether	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
4-Chloro-3-methylphenol	-	-	-	-	< 20	< 20	< 20	-	< 20	< 40
4-Chloroaniline	-	-	-	-	< 20	< 20	< 20	-	< 20	< 40
4-Chlorophenyl phenyl ether	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
4-Nitroaniline	-	-	-	-	< 20	< 20	< 20	-	< 20	< 40
4-Nitrophenol	-	-	-	-	< 50	< 50	< 50	-	< 50	< 100
Acenaphthene	-	-	18,200	-	< 10	< 10	< 10	-	< 10	< 20
Acenaphthylene	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
Aniline	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
Anthracene	-	-	810,000	-	< 10	< 10	< 10	-	< 10	< 20
Benzo(a)anthracene	2,300	4,930,000	4.42	-	< 10	< 10	< 10	-	< 10	< 20
Benzo(a)pyrene	569	623,000	0.26	0.2	< 10	< 10	< 10	-	< 10	< 20
Benzo(b)fluoranthene	6,520	10,100,000	2.55	-	< 10	< 10	< 10	-	< 10	< 20
Benzo(g,h,i)perylene	-	-	628	-	< 10	< 10	< 10	-	< 10	< 20
Benzo(k)fluoranthene	6,790	10,100,000	36.6	-	< 10	< 10	< 10	-	< 10	< 20
Benzoic acid	-	-	-	-	< 50	< 50	< 50	-	< 50	< 100
Benzyl Alcohol	-	-	-	-	< 20	< 20	< 20	-	< 20	< 40
bis(2-Chloroethoxy)methane	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
bis(2-Chloroethyl)ether	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
bis(2-Ethylhexyl)phthalate	-	-	-	6	< 6.0	< 6.0	< 6.0	-	< 6.0	< 12
Butyl benzylphthalate	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
Chrysene	39,900	84,100,000	442	-	< 10	< 10	< 10	-	< 10	< 20
Dibenz(a,h)anthracene	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
Dibenzofuran	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
Diethyl phthalate	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
Dimethyl phthalate	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
Di-n-butylphthalate	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
Di-n-octyl phthalate	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
Fluoranthene	-	-	4,620	-	< 10	< 10	< 10	-	< 10	< 20
Fluorene	-	-	16,200	-	< 10	< 10	< 10	-	< 10	< 20
Hexachlorobenzene	-	-	-	1	< 10	< 10	< 10	-	< 10	< 20
Hexachlorobutadiene	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
Hexachlorocyclopentadiene	-	-	-	50	< 10	< 10	< 10	-	< 10	< 20
Hexachloroethane	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
Indeno(1,2,3-cd)pyrene	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
Isophorone	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
Naphthalene	764	1,690,000	17,900	-	< 10	< 10	< 10	-	< 10	< 20
Nitrobenzene	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20

TABLE 2
 SUMMARY OF GROUNDWATER QUALITY DATA
 SUPER SALVAGE, INC., PARCEL AT BUZZARD POINT, SQUARE 0605, LOT 0802
 WASHINGTON, D.C.

Location Sample Date Sample Name Sample Type Sample Depth (ft bgs)	DC Tier 1 Risk-based Groundwater Screening Level ¹			EPA Regional Maximum Contaminant Level ²	GTW-605-802-1 04/27/2015 GTW-605-802-1-2 Primary 23.5 - 28.5	GTW-605-802-2 04/27/2015 GTW-605-802-2-2 Primary 24.5 - 29.5	GTW-605-802-2 04/27/2015 GTW-605-802-2-3 Duplicate 24.5 - 29.5	GTW-605-802-6 04/27/2015 GTW-605-802-6-2 Primary 24.5 - 29.5	GTW-605-802-7 04/27/2015 GTW-605-802-7-2 Primary 25 - 30	GTW-605-802-9 04/10/2015 GTW-605-802-9-2 Primary 24.5 - 29.5
	Indoor Inhalation	Outdoor Inhalation	Dermal Contact							
N-Nitrosodimethylamine	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
N-Nitrosodi-n-propylamine	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
N-Nitrosodiphenylamine	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
Pentachlorophenol	-	-	-	1	< 25	< 25	< 25	-	< 25	< 50
Phenanthrene	-	-	6,300	-	< 10	< 10	< 10	-	< 10	< 20
Phenol	-	-	-	-	< 10	< 10	< 10	-	< 10	< 20
Pyrene	-	-	3,930	-	< 10	< 10	< 10	-	< 10	< 20
Volatile Organic Compounds (µg/L)	µg/L	µg/L	µg/L	µg/L						
1,1,1,2-Tetrachloroethane	-	-	-	-	-	-	-	< 10	-	< 10
1,1,1-Trichloroethane	-	-	-	200	-	-	-	< 10	-	< 10
1,1,2,2-Tetrachloroethane	-	-	-	-	-	-	-	< 10	-	< 10
1,1,2-Trichloroethane	-	-	-	5	-	-	-	< 10	-	< 10
1,1-Dichloroethane	-	-	-	-	-	-	-	< 10	-	< 10
1,1-Dichloroethene	-	-	-	7	-	-	-	< 10	-	< 10
1,1-Dichloropropene	-	-	-	-	-	-	-	< 10	-	< 10
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	< 10	-	< 10
1,2,3-Trichloropropane	-	-	-	-	-	-	-	< 10	-	< 10
1,2,4-Trichlorobenzene	-	-	-	70	-	-	-	< 10	-	< 10
1,2-Dibromo-3-chloropropane (DBCP)	-	-	-	0.2	-	-	-	< 20	-	< 20
1,2-Dibromoethane (Ethylene Dibromide)	40	88,100	358	0.05	-	-	-	< 10	-	< 10
1,2-Dichlorobenzene	-	-	-	600	-	-	-	< 10	-	< 10
1,2-Dichloroethane	305	672,000	8,970	5	-	-	-	< 10	-	< 10
1,2-Dichloropropane	-	-	-	5	-	-	-	< 10	-	< 10
1,3-Dichlorobenzene	-	-	-	-	-	-	-	< 10	-	< 10
1,3-Dichloropropane	-	-	-	-	-	-	-	< 10	-	< 10
1,4-Dichlorobenzene	-	-	-	75	-	-	-	< 10	-	< 10
2,2-Dichloropropane	-	-	-	-	-	-	-	< 10	-	< 10
2-Butanone (Methyl Ethyl Ketone)	-	-	-	-	-	-	-	< 50	-	< 50
2-Chlorotoluene	-	-	-	-	-	-	-	< 10	-	< 10
2-Hexanone	-	-	-	-	-	-	-	< 50	-	< 50
4-Chlorotoluene	-	-	-	-	-	-	-	< 10	-	< 10
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	-	-	-	-	-	-	-	< 50	-	< 50
Acetone	-	-	-	-	-	-	-	< 250	-	< 250
Benzene	270	591,000	4,710	5	-	-	-	< 10	-	< 10
Bromobenzene	-	-	-	-	-	-	-	< 10	-	< 10
Bromodichloromethane	-	-	-	80	-	-	-	< 10	-	< 10
Bromoform	-	-	-	80	-	-	-	< 10	-	< 10
Bromomethane (Methyl Bromide)	-	-	-	-	-	-	-	< 20	-	< 20
Carbon tetrachloride	-	-	-	5	-	-	-	< 10	-	< 10
Chlorobenzene	-	-	-	100	-	-	-	< 10	-	< 10
Chlorobromomethane	-	-	-	-	-	-	-	< 10	-	< 10
Chloroethane	-	-	-	-	-	-	-	< 10	-	< 10
Chloroform (Trichloromethane)	-	-	-	80	-	-	-	< 10	-	< 10
Chloromethane (Methyl Chloride)	-	-	-	-	-	-	-	< 10	-	< 10

TABLE 2
 SUMMARY OF GROUNDWATER QUALITY DATA
 SUPER SALVAGE, INC., PARCEL AT BUZZARD POINT, SQUARE 0605, LOT 0802
 WASHINGTON, D.C.

Location Sample Date Sample Name Sample Type Sample Depth (ft bgs)	DC Tier 1 Risk-based Groundwater Screening Level ¹			EPA Regional Maximum Contaminant Level ²	GTW-605-802-1 04/27/2015	GTW-605-802-2 04/27/2015	GTW-605-802-2 04/27/2015	GTW-605-802-6 04/27/2015	GTW-605-802-7 04/27/2015	GTW-605-802-9 04/10/2015
	Indoor Inhalation	Outdoor Inhalation	Dermal Contact		GTW-605-802-1-2 Primary 23.5 - 28.5	GTW-605-802-2-2 Primary 24.5 - 29.5	GTW-605-802-2-3 Duplicate 24.5 - 29.5	GTW-605-802-6-2 Primary 24.5 - 29.5	GTW-605-802-7-2 Primary 25 - 30	GTW-605-802-9-2 Primary 24.5 - 29.5
cis-1,2-Dichloroethene	-	-	-	70	-	-	-	< 10	-	< 10
cis-1,3-Dichloropropene	-	-	-	-	-	-	-	< 10	-	< 10
Cymene (p-Isopropyltoluene)	-	-	-	-	-	-	-	< 10	-	< 10
Dibromochloromethane	-	-	-	80	-	-	-	< 10	-	< 10
Dibromomethane	-	-	-	-	-	-	-	< 10	-	< 10
Dichlorodifluoromethane (CFC-12)	-	-	-	-	-	-	-	< 10	-	< 10
Diisopropyl ether	-	-	-	-	-	-	-	< 10	-	< 10
Ethylbenzene	826	1,810,000	6,200	700	-	-	-	< 10	-	< 10
Hexachlorobutadiene	-	-	-	-	-	-	-	< 10	-	< 10
m,p-Xylenes	-	-	-	-	-	-	-	< 20	-	< 20
Methyl Tert Butyl Ether	64,200	142,000,000	116,000	-	-	-	-	< 10	-	9.9 J
Methylene chloride	-	-	-	5	-	-	-	42.4	-	11.7 J
Naphthalene	764	1,690,000	17,900	-	-	-	-	< 10	-	< 10
o-Xylene	-	-	-	-	-	-	-	< 10	-	< 10
Styrene	-	-	-	100	-	-	-	< 10	-	< 10
Tetrachloroethene	-	-	-	5	-	-	-	< 10	-	< 10
Toluene	900,000	1,970,000,000	132,000	1,000	-	-	-	< 10	-	< 10
trans-1,2-Dichloroethene	-	-	-	100	-	-	-	< 10	-	< 10
trans-1,3-Dichloropropene	-	-	-	-	-	-	-	< 10	-	< 10
Trichloroethene	-	-	-	5	-	-	-	< 10	-	< 10
Trichlorofluoromethane (CFC-11)	-	-	-	-	-	-	-	< 10	-	< 10
Vinyl acetate	-	-	-	-	-	-	-	< 20	-	< 20
Vinyl chloride	-	-	-	2	-	-	-	< 10	-	< 10
Xylene (total)	20,500	44,900,000	181,000	10,000	-	-	-	< 20	-	< 20

NOTES
 Bold where detected; highlighted where exceeds
 ft bgs = feet below ground surface; well screen interval
 mg/L = milligrams per liter
 µg/L = micrograms per liter
 -- = screening level not available/sample not analyzed
 < = not detected at the indicated reporting limit
 J = estimated value
 1. District of Columbia Risk-Based Corrective Action Technical Guidance, Table 5-8 Risk-based Screening Levels for resident child (building occupant) indoor/outdoor inhalation and construction worker dermal contact (June 2011)
 2. United States Environmental Protection Agency (EPA) Regional Screening Level (RSL) Summary Table (January 2015)

TABLE 3

ORDER OF MAGNITUDE COST AND SCHEDULE IMPACTS FROM IDENTIFIED RECS
 SUPER SALVAGE, INC., PARCEL AT BUZZARD POINT, SQUARE 0605, LOT 0802
 WASHINGTON, D.C.

Recognized Environmental Concern (REC)	Limited Investigation Findings	Potential Impact on Proposed Development	Potential Remedies	Excavation Depth (ft bgs)	Order of Magnitude Opinion of Cost (Range)			
					Excavation Cost	Background Metals Evaluation Cost	Transportation and Disposal Cost	
Oil Layer in AST Secondary Containment (southeast corner of site)	Arsenic and TPH-DRO were detected in soil samples above screening levels ¹ . <u>Sample Locations</u> GTW-605-802-1 GTW-605-802-2 GSS-605-802-12	Soil excavated during construction with metals and TPH-DRO concentrations exceeding screening levels is not appropriate for unrestricted use as fill (may require appropriate treatment/disposal).	1. Prepare a Soil Management Plan to guide construction activities and proper management of impacted soil encountered during construction and dispose of impacted soil excavated during construction as non-hazardous waste at an off-site disposal facility. 2. Conduct a background metals evaluation to potentially reduce the volume of soil requiring off-site disposal based on metals concentrations.	10	\$ 57,150	Localized impacted soil with concentrations of TPH-DRO requires off-site disposal (approximately 300 cubic yards) and a site-specific background metals evaluation is performed to verify that concentrations of arsenic in soil are within background levels. Estimate \$27.50 per ton for transportation and disposal.	\$ 202,960	Impacted soil with concentrations of metals and TPH-DRO requires off-site disposal (approximately 1,780 cubic yards). Estimate \$45.00 per ton for transportation and disposal.
				20	\$ 78,520	Localized impacted soil with concentrations of TPH-DRO requires off-site disposal (approximately 600 cubic yards) and a site-specific background metals evaluation is performed to verify that concentrations of arsenic in soil are within background levels. Estimate \$27.50 per ton for transportation and disposal.	\$ 369,600	Impacted soil with concentrations of metals and TPH-DRO requires off-site disposal (approximately 3,600 cubic yards). Dewatering limited to 4,000 gallons pumped to an on-site tank via vacuum truck, removal and disposal as petroleum contaminated water. Estimate \$45.00 per ton for transportation and disposal.
Heavy Concrete Staining	Arsenic was detected in soil above screening levels. <u>Sample Locations</u> GTW-605-802-4 ² GTW-605-802-5 ² GSS-605-802-11	If off-site disposal of excavated soil is required, soil containing metals may require disposal at a permitted landfill.	1. Prepare a Soil Management Plan to guide construction activities and proper management of impacted soil encountered during construction and dispose of impacted soil excavated during construction as non-hazardous waste at an off-site disposal facility. 2. Conduct a background metals evaluation to potentially reduce the volume of soil requiring off-site disposal based on metals concentrations.	10	\$ 15,000	Arsenic concentrations in soil may be consistent with background, verifiable with completion of site-specific background metals evaluation. Costs include conducting this evaluation only.	\$ 44,350	Impacted soil with concentrations of metals requires off-site disposal (approximately 150 cubic yards). Estimate \$27.50 per ton for transportation and disposal.
				20	\$ 15,000	Impacted soil with concentrations of metals requires off-site disposal (approximately 300 cubic yards). Dewatering limited to 4,000 gallons pumped to an on-site tank via vacuum truck, removal and disposal as petroleum contaminated water. Estimate \$27.50 per ton for transportation and disposal.	\$ 66,605	
Concrete Staining Beneath AST (northern portion of the site)	Arsenic, lead, ethylbenzene, PCBs, and TPH-DRO were detected in soil samples above screening levels. Also the possibility for the presence of PAHs in soil. <u>Sample Locations</u> GTW-605-802-9 GTW-605-802-10	Soil excavated during construction with metals, VOC, TPH-DRO, and PCB concentrations exceeding screening levels is not appropriate for unrestricted use as fill (may require appropriate treatment/disposal). Elevated detection levels did not allow proper evaluation of PAHs in soil.	1. Prepare a Soil Management Plan to guide construction activities and proper management of impacted soil encountered during construction and dispose of impacted soil excavated during construction as non-hazardous waste at an off-site disposal facility. 2. Conduct a background metals evaluation to potentially reduce the volume of soil requiring off-site disposal based on metals concentrations.	10	\$ 57,800	Localized impacted soil with concentrations of VOCs, TPH-DRO, and PCBs requires off-site disposal (approximately 300 cubic yards) and a site-specific background metals evaluation is performed to verify that concentrations of arsenic in soil are within background levels. Estimate \$27.50 per ton for transportation and disposal.	\$ 152,960	Impacted soil with concentrations of metals, VOCs, TPH-DRO, PCBs, and PAHs requires off-site disposal (approximately 1,200 cubic yards). Estimate \$45.00 per ton for transportation and disposal.
				20	\$ 79,690	Localized impacted soil with concentrations of VOCs, TPH-DRO, and PCBs requires off-site disposal (approximately 600 cubic yards) and a site-specific background metals evaluation is performed to verify that concentrations of arsenic in soil are within background levels. Estimate \$27.50 per ton for transportation and disposal.	\$ 270,600	Impacted soil with concentrations of metals, VOCs, TPH-DRO, PCBs, and PAHs requires off-site disposal (approximately 2,400 cubic yards). Dewatering limited to 4,000 gallons pumped to an on-site tank via vacuum truck, removal and disposal as petroleum contaminated water. Estimate \$45.00 per ton for transportation and disposal.

TABLE 3
ORDER OF MAGNITUDE COST AND SCHEDULE IMPACTS FROM IDENTIFIED RECS
SUPER SALVAGE, INC., PARCEL AT BUZZARD POINT, SQUARE 0605, LOT 0802
WASHINGTON, D.C.

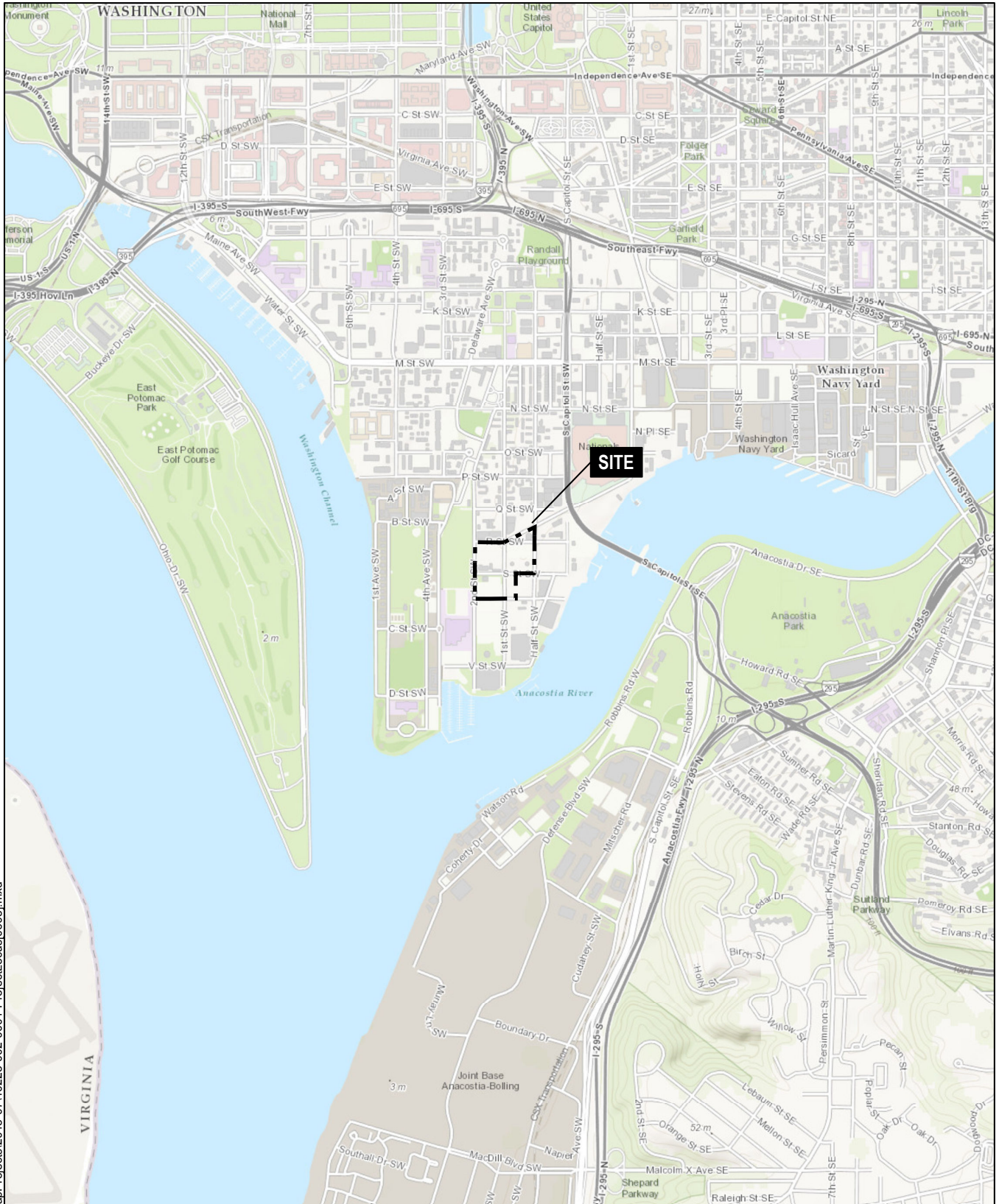
Recognized Environmental Concern (REC)	Limited Investigation Findings	Potential Impact on Proposed Development	Potential Remedies	Excavation Depth (ft bgs)	Order of Magnitude Opinion of Cost (Range)			
Unlined/Unpaved Sump (southwest corner of site)	Arsenic, lead, PAHs, and TPH-DRO were detected in soil above screening levels. <u>Sample Locations</u> DP-001 DP-002 GTW-605-802-3 ²	Soil excavated during construction with metals, TPH-DRO, and PAH concentrations exceeding screening levels is not appropriate for unrestricted use as fill (may require appropriate treatment/disposal). The presence of PCBs in soil was not evaluated in this area.	1. Prepare a Soil Management Plan to guide construction activities and proper management of impacted soil encountered during construction and dispose of impacted soil excavated during construction as non-hazardous waste at an off-site disposal facility. 2. Conduct a background metals evaluation to potentially reduce the volume of soil requiring off-site disposal based on metals concentrations.	10	\$ 51,155	Localized impacted soil with concentrations of TPH-DRO, PAHs, and PCBs requires off-site disposal (approximately 150 cubic yards) and a site-specific background metals evaluation is performed to verify that concentrations of arsenic in soil are within background levels. Estimate \$45.00 per ton for transportation and disposal.	\$ 133,940	Impacted soil with concentrations of metals, TPH-DRO, PCBs, and PAHs requires off-site disposal (approximately 1,000 cubic yards). Estimate \$45.00 per ton for transportation and disposal.
				20	\$ 69,065	Localized impacted soil with concentrations of TPH-DRO, PAHs, and PCBs requires off-site disposal (approximately 300 cubic yards) and a site-specific background metals evaluation is performed to verify that concentrations of arsenic in soil are within background levels. Estimate \$45.00 per ton for transportation and disposal.	\$ 233,475	Impacted soil with concentrations of metals, TPH-DRO, PCBs, and PAHs requires off-site disposal (approximately 2,000 cubic yards). Dewatering limited to 4,000 gallons pumped to an on-site tank via vacuum truck, removal and disposal as petroleum contaminated water. Estimate \$45.00 per ton for transportation and disposal.
Impacts to Adjacent Properties	Arsenic and TPH-DRO were detected in soil samples above screening levels. Also the possibility for the presence of PAHs in soil. <u>Sample Locations</u> GTW-605-802-6 GTW-605-802-7 GTW-605-802-8 ²	Soil excavated during construction with metals, TPH-DRO, and PCB concentrations exceeding screening levels is not appropriate for unrestricted use as fill (may require appropriate treatment/disposal). Elevated detection levels did not allow proper evaluation of PAHs in soil.	1. Prepare a Soil Management Plan to guide construction activities and proper management of impacted soil encountered during construction and dispose of impacted soil excavated during construction as non-hazardous waste at an off-site disposal facility. 2. Conduct a background metals evaluation to potentially reduce the volume of soil requiring off-site disposal based on metals concentrations.	10	\$ 57,150	Localized impacted soil with concentrations of TPH-DRO requires off-site disposal (approximately 300 cubic yards) and a site-specific background metals evaluation is performed to verify that concentrations of arsenic in soil are within background levels. Estimate \$27.50 per ton for transportation and disposal.	\$ 151,400	Impacted soil with concentrations of metals, TPH-DRO, and PAHs requires off-site disposal (approximately 1,200 cubic yards). Estimate \$45.00 per ton for transportation and disposal.
				20	\$ 78,520	Localized impacted soil with concentrations of TPH-DRO requires off-site disposal (approximately 600 cubic yards) and a site-specific background metals evaluation is performed to verify that concentrations of arsenic in soil are within background levels. Estimate \$27.50 per ton for transportation and disposal.	\$ 268,000	Impacted soil with concentrations of metals, TPH-DRO, and PAHs requires off-site disposal (approximately 2,400 cubic yards). Dewatering limited to 4,000 gallons pumped to an on-site tank via vacuum truck, removal and disposal as petroleum contaminated water. Estimate \$45.00 per ton for transportation and disposal.
Order of Magnitude Cost Range for Impacts on Proposed Development from Identified RECs:				10	\$ 238,255	to	\$ 1,657,094	High costs include profiling and off-site disposal to the specified depth for the entire site, excluding the office building footprint (i.e., chemicals above screening levels in soil are not just limited to the identified RECs but are prevalent throughout the site).
				20	\$ 320,795		\$ 3,601,688	Dewatering costs include costs to obtain discharge permits and design, install, and maintain treatment system in-line with normal dewatering equipment for up to 3 months.

NOTES

- 1. Screening levels are the lower of the DC Tier 0 Standards and the EPA Regional Screening Levels for industrial soil
- 2. Sample location inaccessible; sample not collected
- ft bgs = feet below ground surface
- AST = aboveground storage tank
- PCB = polychlorinated biphenyl
- TPH = total petroleum hydrocarbons
- TPH-DRO = TPH diesel range
- PAH = polycyclic aromatic hydrocarbon
- VOC = volatile organic compound

GENERAL ASSUMPTIONS

- Order of magnitude costs are for discussion and planning purposes only and are not budgetary costs
- Costs do not include impacts to adjacent properties
- Waste disposal costs include transportation and disposal only; loading and stockpile management costs are assumed to be part of the redevelopment contractor costs
- Costs do not include additional investigation/delineation sampling
- Costs do not include groundwater remediation or potential vapor intrusion mitigation
- Profiling sampling frequency and analyses may change based on disposal facility requirements
- Costs do not include preparation and implementation of a Stormwater Pollution Prevention Plan
- Costs include on-site monitoring during soil/groundwater removal (assume \$2,000 per day, excavating 250 cubic yards of impacted soil per day)
- Confirmation sampling frequency based on 1 sample per 200 square feet of excavation sidewall and 1 sample per 400 square feet of excavation bottom. Analyses based on chemicals exceeding screening levels.



G:\40223_BuzzardPoint\GLOBAL\GISMap\Projects\2015-07\40223-002-0001-ProjectLocus\06051.mxd

MAP SOURCE: ESRI SITE COORDINATES : 38°52'06.68"N , 77°00'44.12"W



**HALEY
ALDRICH**

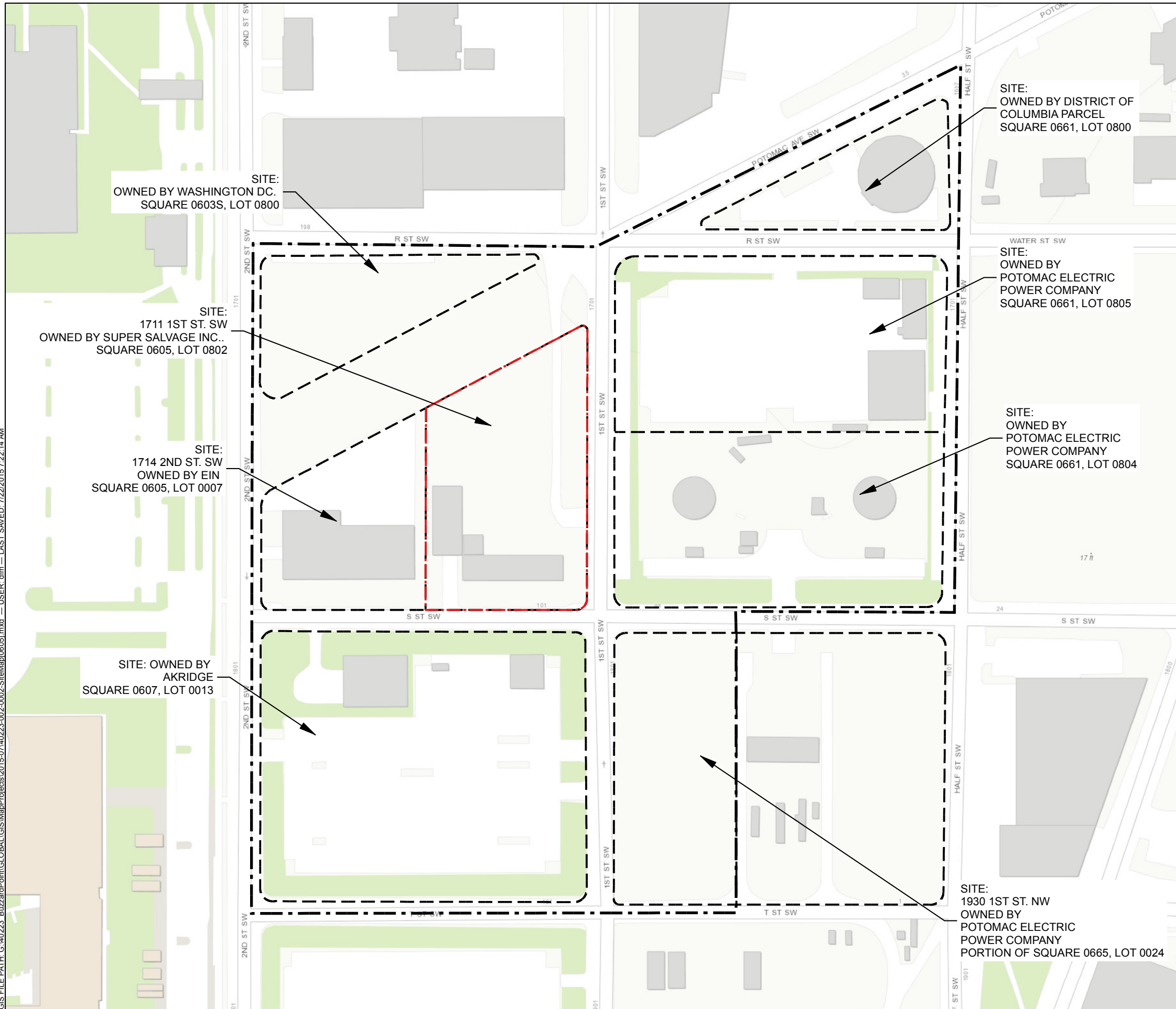
SUPER SALVAGE INC.
PARCEL AT BUZZARD POINT, SQUARE 0605, LOT 0802
WASHINGTON, D.C.

PROJECT LOCUS

APPROXIMATE SCALE: 1 IN = 2,000 FT
JULY 2015

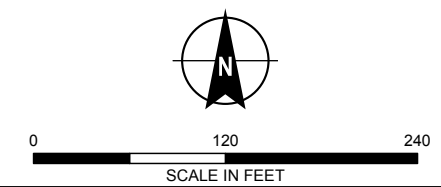
FIGURE 1

GIS FILE PATH: G:\40223_BuzzardPoint\GIS\MapProjects\2015-07-40223-002-SiteMap\06051.mxd — USER: dfm — LAST SAVED: 7/22/2015 7:22:14 AM



- LEGEND**
- - - - - APPROXIMATE PARCEL
 - . - . - . APPROXIMATE PROPERTY
 - - - - - APPROXIMATE SITE

- NOTES:**
1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
 2. BASE IMAGE BASED ON ARCGIS IMAGE.



HALEY ALDRICH SUPER SALVAGE INC.
 PARCEL AT BUZZARD POINT, SQUARE 0605, LOT 0802
 WASHINGTON D.C.

SITE PLAN

JULY 2015

FIGURE 2

SITE:
OWNED BY WASHINGTON DC.
SQUARE 0603S, LOT 0800

SITE:
1711 1ST ST. SW
OWNED BY SUPER SALVAGE INC..
SQUARE 0605, LOT 0802

SITE:
1714 2ND ST. SW
OWNED BY EIN
SQUARE 0605, LOT 0007

SITE: OWNED BY
AKRIDGE
SQUARE 0607, LOT 0013

SITE:
OWNED BY DISTRICT OF
COLUMBIA PARCEL
SQUARE 0661, LOT 0800

SITE:
OWNED BY
POTOMAC ELECTRIC
POWER COMPANY
SQUARE 0661, LOT 0805

SITE:
OWNED BY
POTOMAC ELECTRIC
POWER COMPANY
SQUARE 0661, LOT 0804

SITE:
1930 1ST ST. NW
OWNED BY
POTOMAC ELECTRIC
POWER COMPANY
PORTION OF SQUARE 0665, LOT 0024






GIS FILE PATH: G:\40223_BuzzardPoint\GIS\MapProjects\2015-07-40223-002-0003-SampleLocations\0605.mxd — USER: dfm — LAST SAVED: 7/22/2015 7:22:21 AM

SITE:
OWNED BY WASHINGTON DC.
SQUARE 0603S, LOT 0800

SITE:
1714 2ND ST. SW
OWNED BY EIN
SQUARE 0605, LOT 0007

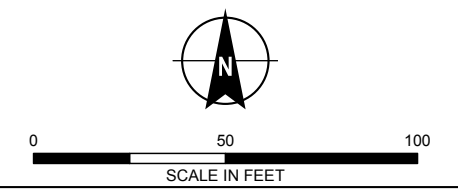
SITE:
1711 1ST ST. SW
OWNED BY SUPER SALVAGE INC..
SQUARE 0605, LOT 0802

LEGEND

-  SOIL SAMPLE LOCATION
-  TEMPORARY MONITORING WELL AND SOIL SAMPLE LOCATION
-  INACCESSIBLE SAMPLE
-  APPROXIMATE PARCEL
-  APPROXIMATE PROPERTY

NOTES:

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AST = ABOVEGROUND STORAGE TANK

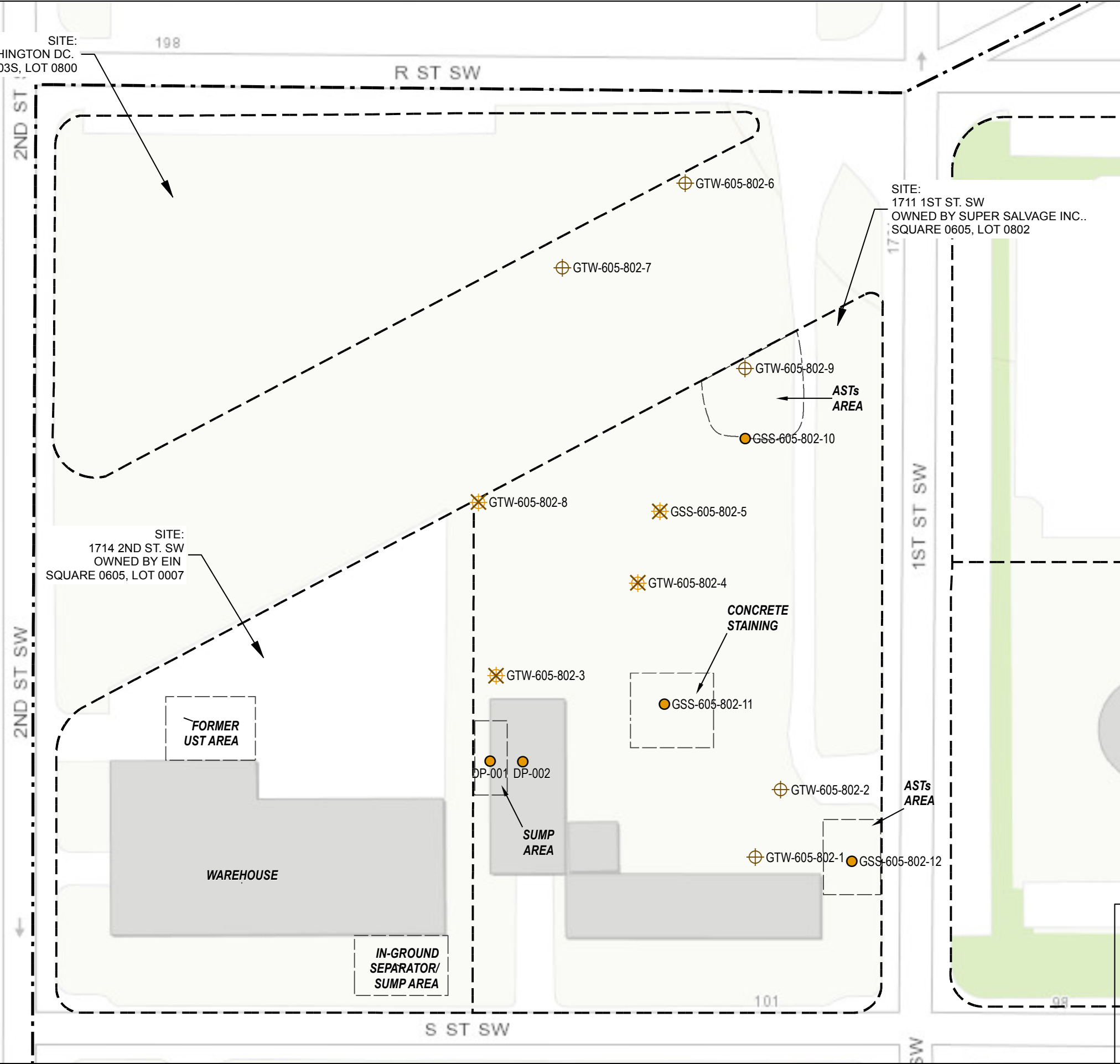


HALEY ALDRICH
 SUPER SALVAGE INC.
 PARCEL AT BUZZARD POINT, SQUARE 0605, LOT 0802
 WASHINGTON D.C.

EXPLORATION LOCATION PLAN

JULY 2015

FIGURE 3



APPENDIX A

**Haley & Aldrich Proposal Dated 28 June 2013
(on CD)**

Haley & Aldrich, Inc.
7926 Jones Branch Dr.
Suite 870
McLean, VA 22102

Tel: 703.336.6200
Fax: 703.356.4699
HaleyAldrich.com



28 June 2013
File No. 40223-970

McKissack & McKissack
1401 New York Avenue, NW
Suite 900
Washington, DC 20005

Attention: William J. Carlson
Senior Project Manager

Subject: Proposal for Phase I Environmental Site Assessment
Potomac Avenue & 1st Street SW
Washington, DC

Ladies and Gentlemen:

Haley & Aldrich, Inc., is pleased to submit this proposal to provide environmental consulting services. This proposal presents our scope of work to perform a Phase I environmental site assessment (Phase I ESA) at the above-referenced site (subject site), using methods consistent with the ASTM E 1527-05 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-05 Standard) as referenced in 40 CFR Part 312 (the All Appropriate Inquiries [AAI] Rule).

The completion of this Phase I ESA is only one component of the process required to satisfy the AAI Rule. In addition, the user must adhere to a set of user responsibilities as defined by the ASTM E 1527-05 Standard and the AAI Rule. User responsibilities are discussed below. A user seeking protection from Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) liability as an innocent landowner, bona fide prospective purchaser, or contiguous property owner must complete all components of the AAI process in addition to meeting ongoing obligations. AAI components, CERCLA liability relief, and ongoing obligations are discussed in the AAI Rule and in Appendix XI of the ASTM E 1527-05 Standard.

PROJECT UNDERSTANDING AND BACKGROUND

It is our understanding that McKissack & McKissack is in the process of preparing a Feasibility Study for proposed development of the subject site, and in connection with the Feasibility Study, desires a Phase I ESA of the subject site consistent with the ASTM E 1527-05 Standard practices.

Haley & Aldrich understands the subject site consists of the following parcels bounded by Potomac Avenue, SW, 2nd Street, SW, T Street, SW and Half Street, SW:

- Square 0605, Lots 0007 & 0802 (1711 & 1714 1st Street, SW)

- Square 0607, Lot 0013
- Square 0661, Lots 0800, 0805 and 0804
- Square 0665, Lot 0024 (1930 1st Street, NW)

PROJECT OBJECTIVES

The objective of a Phase I assessment is to identify known and suspect “recognized environmental conditions” (RECs), historical RECs (HRECs), and *de minimis* conditions associated with the subject site by evaluating site history, existing observable conditions, current site use, and current and former uses of adjoining properties as well as potential releases at surrounding properties that may impact the subject site. RECs are defined in the ASTM E 1527-05 Standard as “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water at the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.” A material threat is defined by the ASTM E 1527-05 Standard as “a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professional, is threatening and might result in impact to public health or the environment.”

Consistent with ASTM E 1527-05 Section 12.5 (Report Format), and for the purposes of this assessment, those RECs that have been identified as being present with respect to the subject site are referred to as Known Recognized Environmental Conditions (KRECs), and those RECs that have been identified as being likely present with respect to the subject site are referred to as Suspect Recognized Environmental Conditions (SRECs). The ASTM E 1527-05 Standard defines HRECs as environmental conditions “which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently.”

The ASTM E 1527-05 Standard requires an environmental professional’s opinion of the potential impacts of RECs, HRECs, and *de minimis* conditions identified on a site during a Phase I assessment. Our conclusions regarding the potential impact of RECs, HRECs, and *de minimis* on the subject site are intended to help the user evaluate the “business environmental risk” associated with the subject site, defined in the ASTM E 1527-05 Standard as “a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations...” The non-scope considerations listed in the ASTM E 1527-05 Standard are discussed below in the Authorization section of this proposal.

The Phase I assessment work scope has been developed to be consistent with the ASTM E 1527-05 Standard, based on our current understanding of the subject site. The Phase I assessment consists of four components: Records Review, Site Reconnaissance, Interviews, and Report Preparation.

SCOPE OF WORK

1. Records Review - Haley & Aldrich will assemble and review readily available information on site history and usage as it relates to the presence of hazardous substances and petroleum products that would constitute RECs on the subject site. The ASTM E 1527-05 Standard lists standard and additional records for review.

We will review information from the mandatory databases within the ASTM-specified approximate minimum search distances. The mandatory databases include: NPL; Delisted NPL; CERCLIS; CERCLIS NFRAP; ERNS; RCRA non-CORRACTS TSD; RCRA CORRACTS TSD; RCRA Generators; Federal Institutional and Engineering Controls; State and Tribal Landfills and Solid Waste Disposal Sites; State and Tribal equivalent NPL and CERCLIS Sites; State and Tribal Registered Storage Tanks; State and Tribal Leaking Storage Tanks; State and Tribal Institutional and Engineering Controls; State and Tribal Voluntary Clean-up Sites; and State and Tribal Brownfields Sites. We intend to use an electronic database service to provide a report summarizing information from the required records, and will rely on the database service to conform to ASTM requirements for currency of the information. Should the database search report identify listed sites with the potential to impact the subject site, Haley & Aldrich may review the federal or state files pertaining to the listed sites, as reasonably ascertainable and practically reviewable. The budget presented below does not include costs for review of files at more than one agency's office.

As required by ASTM, a current 7.5-minute USGS topographic map or equivalent will be used to evaluate the physical setting in the subject site area, and will be supplemented by discretionary review of readily available information concerning surface topography, surface water, soil, bedrock, and groundwater conditions on and in the vicinity of the subject site.

To complete the ASTM records review, Haley & Aldrich may contact one or more of the following agencies concerning the subject site: Health Department, Fire Department, Water Department, Zoning Board, and Engineering Department. We will contact the agencies for information concerning records related to storage, use, or release of hazardous substances or petroleum products that may constitute RECs on the subject site, and will document our contacts in writing.

ASTM requires that "obvious uses" of the subject site be identified from the present back to the first developed use or back to 1940, whichever is earlier. In order to complete that task, Haley & Aldrich will review one or more of the following ASTM-listed standard historical sources: aerial photographs, fire insurance maps, property tax files, recorded land title records, USGS topographic maps, local street directories, building department records, and zoning/land use records. Haley & Aldrich may also review ASTM-listed "other historical sources" including newspaper archives, internet sites, and local libraries and historical societies.

Haley & Aldrich will review reports previously prepared for the subject site, if provided.

Pursuant to the ASTM E 1527-05 Standard, records identified by ASTM as "Additional" or "Other" will be reviewed when, in Haley & Aldrich's judgment, they are (1) reasonably ascertainable; (2) sufficiently useful, accurate, and complete; and (3) generally obtained pursuant to local good commercial or customary practice.

2. Site Reconnaissance - Haley & Aldrich will visit the subject site and view interior and exterior conditions to assess the nature and type of activities that have been conducted with respect to the potential for RECs to be present. Haley & Aldrich will observe and document visible evidence of current and past usage of the subject site, particularly related to potential filling, previous structures, sewage disposal systems, hazardous substances, petroleum products, storage tanks, and evidence of spills or releases of hazardous substances or petroleum products. Conditions of adjoining properties will also be observed from the subject site boundaries and/or public thoroughfares.

We understand that you will make all areas of the subject site accessible to our representative(s) for the site visit. For budgeting purposes, we have assumed that all areas of the subject site will be made accessible and that the site reconnaissance will be conducted in one site visit.

Our observations and conclusions related to the site reconnaissance may be limited by prevailing weather conditions or other conditions at the time of our site visit. Our report will include a discussion of factors limiting our site reconnaissance, if applicable.

3. Interviews with Owners and Occupants - The ASTM E 1527-05 Standard requires that interviews be performed with a "key site manager" (the owner or occupant of the subject site) and with representatives of building occupants. In accordance with ASTM, an interview will be conducted with a representative of each occupant if the building has five or fewer occupants. If the building contains more than five occupants, an interview will be conducted with those major occupants, as defined by ASTM, and those occupants whose operations could indicate RECs in connection with the subject site. We request that the current owner(s) or representative(s) be notified of our visit and asked to participate in an interview regarding subject site usage and history. If the subject site is abandoned, ASTM requires interviews with one or more owners or occupants of neighboring or nearby properties. Further, as required by the ASTM E 1527-05 Standard, we ask that you request the current site owner to assemble and make available to Haley & Aldrich copies of previous environmental investigation reports and audits of the property, and other information related to storage, use, or release of hazardous substances or petroleum products at the site, such as environmental permits, registrations for tanks, material safety data sheets, or waste disposal records.
4. Interview with State and/or Local Government Officials - Haley & Aldrich may interview one or more state and/or local government officials in conjunction with the state and local government records review with the intention to obtain information indicating RECs in connection with the subject site.
5. Evaluation and Report - Haley & Aldrich will interpret the information and data assembled from work scope items No. 1 through No. 4 above, and will formulate conclusions regarding

evidence of RECs at the subject site and their potential impact on the subject site. We will prepare three copies of a report summarizing the results of our assessment and discussing our conclusions regarding the potential presence and impact of RECs in connection with the subject site, based on the work scope described above.

The report will be prepared in accordance with the standards and practices set forth in 40 CFR Part 312 (the AAI Rule), and consistent with the ASTM E 1527-05 Standard. Documentation supporting the conclusions presented will be appended to the report. As required by ASTM, our final report will include declarations that the Phase I assessment was conducted consistent with the scope and limitations of the ASTM E 1527-05 Standard, and the persons who signed the report meet the definition of environmental professional. In addition, the Phase I assessment report will indicate whether RECs were or were not identified in connection with the subject site, and whether there were data gaps. If data gaps were identified, Haley & Aldrich will indicate whether they are considered significant (i.e., affect our ability to identify conditions indicative of RECs).

USER RESPONSIBILITIES

The AAI Rule requires that the user of the report consider the following:

- Whether the user has specialized knowledge about previous ownership or uses of the subject site that may be material to identifying RECs;
- whether the user has determined that the subject site's Title contains environmental liens or other information related to the environmental condition of the property, including engineering and institutional controls and Activity and Use Limitations (AULs), as defined by ASTM;
- whether the user is aware of commonly known or reasonably ascertainable information about the subject site including whether or not the presence of contamination is likely on the subject site and to what degree it can be detected; and
- whether the user has prior knowledge that the price of the subject site has been reduced for environmentally related reasons.

We request that you provide this information to us for inclusion in our report. Though it is not required by the AAI Rule or the ASTM E 1527-05 Standard that this information be provided to Haley & Aldrich, failure on the part of the user to obtain such information for their own records, should it be reasonably ascertainable, may invalidate the user's compliance with the AAI Rule for CERCLA liability protection in the future.

COSTS

Services associated with completing work scope items Nos. 1 through 5 will be conducted for a lump sum of \$10,000. That lump sum fee does not include costs related to meetings or lengthy conference calls. Meetings, lengthy conference calls, and other additional services, if required, will be billed separately in accordance with our attached Standard Rate Schedule.

SCHEDULE

We will provide a draft summary of our findings, to include a description of RECs identified, as well as any data failures that may affect our assessment, if applicable, within two weeks following receipt of written authorization to proceed. We will provide a Final copy of our Phase I ESA report for your review within three to four weeks of our receipt of a signed copy of this proposal.

The majority of the information from the Phase I assessment should be available within 2 to 3 weeks of authorization to proceed. Please note, however, that responses to agency records requests may not be received within that time frame. At your discretion, we can either wait for the response to the requests prior to preparing our Final Phase I ESA report, or we can supplement the report with the responses if they are received and contain information that would alter our conclusions.

AUTHORIZATION

Our work scope for this project will be performed in accordance with the standards and practices set forth in 40 CFR Part 312, and consistent with the ASTM E 1527-05 Standard for Phase I ESAs. Organizations other than ASTM have also developed “guidelines” or “standards” for environmental site assessments and the scope of work herein may vary from the specific guidelines or standards issued by other organizations. If this project requires conformance with a guideline or standard other than ASTM, we will be pleased to review our proposal considering the specific requirements, and revise and resubmit this proposal, if necessary.

Our report will be prepared for your exclusive use, solely for the purposes stated in this proposal. The report may not be used or relied upon by any other party, without the prior written permission of Haley & Aldrich. We agree, however, that the report may be conveyed to the District of Columbia Department of General Services, if applicable, subject to their acceptance of the terms of this proposal. Any other use of this report without written authorization of Haley & Aldrich shall be at such other person’s or entity’s sole risk, and shall be without legal exposure or liability to Haley & Aldrich.

No subsurface explorations or chemical analysis of environmental media (e.g., soils or groundwater) will be performed during this assessment. Therefore, our conclusions regarding the evidence of RECs will be based on observations of existing visible conditions, and on our interpretation of subject site history and site usage information. Further, our conclusions regarding the presence of hazardous substances and petroleum products may not be applicable to areas beneath existing structures, unless specific subsurface exploration, sampling, and/or analytical information is available and reviewed by us for such areas.

The ASTM E 1527-05 Standard includes the following list of “additional issues” that are non-scope considerations outside of the scope of the ASTM Phase I practice: asbestos-containing materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, bio-agents, and mold. Assessment of these items is not included in our proposed work scope. A limited assessment of the presence of PCBs is included in the ASTM work scope. Accordingly, our

assessment of the presence of PCBs is limited to those potential sources specified in the ASTM E 1527-05 Standard as "electrical or hydraulic equipment known or likely to contain PCBs, to the extent visually and or physically observed or identified from the interview or records review."

Consulting services will be provided in accordance with our "Standard Terms and Conditions, 2003", which is integral to this proposal.

If the above arrangements are satisfactory to you, please indicate your approval by signing and returning one copy of this proposal. When accepted by you, this proposal together with the attached Terms and Conditions will constitute our Agreement.

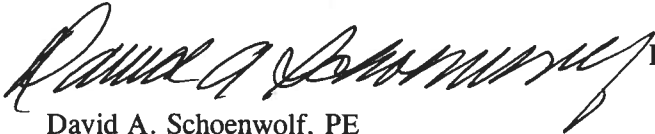
CLOSING

Thank you for inviting Haley & Aldrich to submit this proposal. We look forward to our association with you on the project. Should you have any questions regarding the proposal, please do not hesitate to contact us.

Sincerely yours,
HALEY & ALDRICH, INC.



Gregory B. Grose, PG
Senior Project Manager



David A. Schoenwolf, PE
Senior Vice President

This proposal, and the attached "Standard Terms and Conditions, 2003" are understood and accepted:

MCKISSACK & MCKISSACK

By _____
(authorized signature)

By _____
(print or type name)

Title _____

Date _____

Attachments:
Standard Terms and Conditions, 2003
Standard Rate Schedule

HALEY & ALDRICH
STANDARD RATE SCHEDULE

Code	Title	2013-R4
110	Senior Vice President	\$ 265
120	Vice President 2	\$ 223
121	Vice President 1	\$ 208
210	Sr. Professional 8	\$ 183
211	Sr. Professional 7	\$ 167
212	Sr. Professional 6	\$ 146
213	Staff Professional 5	\$ 132
214	Staff Professional 4	\$ 121
215	Professional 3	\$ 115
216	Professional 2	\$ 101
217	Professional 1	\$ 96
354	Field /Lab Engr Tech/Geol. 6-8	\$ 99
355	Field /Lab Engr Tech/Geol. 4-5	\$ 86
356	Field /Lab Engr Tech/Geol. 1-3	\$ 79
364	Sr. CAD Operator	\$ 125
365	CAD Operator	\$ 107
910	Office Support	\$ 79

sub mark-up: 15%
expense mark-up 10%
communication fee: 4%

1. General

These Standard Terms and Conditions, together with the attached proposal and Standard Fee Schedule, constitute the Agreement between Haley & Aldrich and the entity or person to whom the proposal is addressed ("Client") to perform basic or additional services. The Standard Fee Schedule may be omitted for lump sum type Agreements.

2. Performance of Services

Haley & Aldrich's services will be performed in accordance with generally accepted practices of engineers and/or scientists providing similar services at the same time, in the same locale, and under like circumstances. Client agrees that Haley & Aldrich has been engaged to provide professional services only, and that Haley & Aldrich does not owe a fiduciary responsibility to Client. No other warranty, expressed or implied, is included or intended by this Agreement.

3. Environmental Professional Services

Haley & Aldrich employees may serve as Environmental Professionals under state or federal programs, which may include rendering opinions regarding site assessments and remediation. In carrying out such functions, the Environmental Professional will select such explorations, data collections, remediation actions or other services which, in the Environmental Professional's opinion, are appropriate, under the statutes and regulations, to establish a basis for such opinion. Client acknowledges that a federal, state or local agency may review, comment and/or audit Haley & Aldrich's services and may require additional site activities, even though Haley & Aldrich and such Environmental Professionals have each performed such services in accordance with the standard of care set forth herein. Client agrees to compensate Haley & Aldrich for services performed in response to such an audit at Haley & Aldrich's billing rates then in effect.

4. Payment

Invoices will generally be submitted monthly. Payment will be due within thirty (30) days of invoice date. Interest will be added to accounts in arrears at the rate of one and one-half (1.5) percent per month on the outstanding balance. In the event Haley & Aldrich must engage counsel to enforce overdue payments, Client will reimburse Haley & Aldrich for all reasonable attorney's fees and court costs.

5. Insurance

Haley & Aldrich will maintain: workers' compensation insurance as required under the laws of the state in which the services will be performed; commercial general liability insurance with a combined single limit of \$1,000,000 per occurrence and \$2,000,000 in the aggregate for bodily injury, including death and property damage; automobile liability insurance with a combined single limit of \$1,000,000 per occurrence; professional

liability insurance in the amount of \$1,000,000 per claim and in the aggregate; and contractor's pollution liability insurance in the amount of \$1,000,000 per occurrence and in the aggregate. Haley & Aldrich will furnish Client with a certificate of insurance evidencing the coverages listed above and providing thirty (30) days prior written notice in the event of cancellation or material change in coverage.

6. Confidentiality

Haley & Aldrich will hold confidential all business and technical information obtained or generated in performing of services under this Agreement. Haley & Aldrich will not disclose such information without Client's consent except to the extent required for: (1) performance of services under this Agreement; (2) compliance with professional standards of conduct for preservation of the public safety, health, and welfare; (3) compliance with any court order, statute, law, or governmental directive; and/or (4) protection of Haley & Aldrich against claims or liabilities arising from the performance of services under this Agreement. Haley & Aldrich's obligations hereunder shall not apply to information in the public domain or lawfully obtained on a non-confidential basis from others.

7. Ownership of Documents and Processes

All documents (including drawings, specifications, estimates, field notes, and other data) and all processes (including scientific, technological, software, and other concepts, whether or not patentable) created, prepared, or furnished under this Agreement by Haley & Aldrich, or Haley & Aldrich's independent contractors and consultants pursuant to this Agreement, are instruments of service and shall remain the property of Haley & Aldrich whether or not the Project is completed. Haley & Aldrich shall retain ownership of all documents and processes, and any copyright or right to patent thereto. Client may make and retain copies thereof as is necessary for completion, occupancy or operation of the project by Client or others; however, such documents are not intended or represented to be suitable for additions or alterations to the project, use on any other project or completion of the project without Haley & Aldrich's professional involvement. Any reuse or modification without written verification or adaptation by Haley & Aldrich for the specific purpose intended is at Client's sole risk and without liability or legal exposure to Haley & Aldrich or its independent contractors or consultants. Client shall indemnify, defend, and hold harmless Haley & Aldrich and its independent contractors, and consultants from all claims, damages, losses, and expenses, including attorney's fees, arising out of or resulting therefrom. Any such verification or adaptation will entitle Haley & Aldrich to further compensation.

8. Electronic Media

Client recognizes that data, plans, specifications, reports, documents, or other information recorded on or transmitted as electronic media are subject to undetectable alteration, either intentional or unintentional. Accordingly, documents provided to Client in electronic media are for informational purposes only and are not an end product. Client agrees to defend, indemnify, and hold Haley & Aldrich harmless from any claims, liabilities, losses or damages arising out of the reuse or alteration of electronic media. Haley & Aldrich makes no warranties, either expressed or implied, regarding the fitness or suitability of the electronic media.

9. Suspension of Work and Termination

Client may, at any time, suspend further work by Haley & Aldrich or terminate this Agreement. Suspension or termination shall be by written notice effective seven (7) days after receipt by Haley & Aldrich. Client agrees to compensate Haley & Aldrich for all services performed and commitments made prior to the effective date of the suspension or termination, together with reimbursable expenses including those of subcontractors, subconsultants, and vendors.

If Client fails to make payment when due for services and reimbursable expenses, Haley & Aldrich may, upon seven (7) days' written notice to Client, suspend performance of services under this Agreement. Unless payment in full is received by Haley & Aldrich within seven (7) days of the date of the notice, the suspension shall take effect without further notice. In the event of a suspension of services, Haley & Aldrich shall have no liability to Client for delay or damage to Client or others because of such suspension of services.

10. Force Majeure

Except for Client's obligation to pay for services rendered, no liability will attach to either party from delay in performance or nonperformance caused by circumstances or events beyond the reasonable control of the party affected, including, but not limited to, acts of God, fire, flood, unanticipated site or subsurface conditions, explosion, war, request or intervention of a governmental authority (foreign or domestic), court order (whether at law or in equity), labor relations, accidents, delays or inability to obtain materials, equipment, fuel or transportation.

Delays within the scope of this article that cumulatively exceed thirty (30) calendar days shall, at the option of either party, make this Agreement subject to termination or renegotiation. Should the Client require that Haley & Aldrich maintain its personnel and equipment available during the delay period, Client agrees to compensate Haley & Aldrich for the additional labor, equipment, and any and all other direct costs associated with Haley & Aldrich in maintaining its personnel on Site during the delay period.

11. Mold/Biological Pollutants

Client agrees that Haley & Aldrich shall have no liability for any claim, direct or indirect, for bodily injury or property damage, including loss of use, arising from, alleged to arise from, or caused by the presence of, or exposure to, any Mold or other Biological Pollutants in or around any structure. In addition, Client shall defend, indemnify, and hold harmless Haley & Aldrich from third-party claims for damages arising from, or alleged to arise from, or caused by the presence of or exposure to, any Mold or other Biological Pollutant in or around any structure, except for damages arising from or caused by Haley & Aldrich's sole negligence.

The term "Mold or other Biological Pollutants" includes, but is not limited to, molds, fungi, spores, bacteria, and viruses, and the by-products of biological organisms.

12. Subsurface Risks

Client recognizes that special risks occur whenever engineering or related disciplines are applied to identify subsurface conditions. Even a comprehensive sampling and testing program, implemented with appropriate equipment and experienced personnel under the direction of a trained professional who functions in accordance with a professional standard of practice, may fail to detect certain hidden conditions. Environmental, geological, and geotechnical conditions that Haley & Aldrich may infer to exist between sampling points may differ significantly from those that actually exist. The passage of time also must be considered, and Client recognizes that due to natural occurrences or direct or indirect human intervention at or near the site, actual conditions may quickly change. Client realizes that these risks cannot be eliminated altogether, but certain techniques can be applied to reduce them to a level that may be tolerable. The services included in this Agreement are those which Client agreed to, or selected, consistent with Client's risk preferences and other considerations.

13. Disclosure of Hazards (Right-to-Know)

Haley & Aldrich will take reasonable precautions for the health and safety of Haley & Aldrich's employees while at the site. Client will obtain from Site Owner, and furnish to Haley & Aldrich, at the time of Client's authorization to proceed, all available information concerning oil, hazardous, toxic, radioactive or asbestos material in, on or near the site. If a hazardous material or condition is discovered that had not been disclosed to Haley & Aldrich, then, upon notification, Client and Haley & Aldrich shall seek to determine an equitable adjustment to be made to this Agreement. In addition, Client agrees to assume all liability and shall hold Haley & Aldrich harmless from any claims, losses, liabilities or damages arising out of personal injury or death resulting from such hazardous material or condition.

14. Public Responsibility

Client acknowledges that Client or the site owner, as the case may be, is now and shall remain in control of the site

for all purposes at all times. Except as required by law or regulation, Haley & Aldrich will not report to any federal, state, county, or local public agencies having jurisdiction over the subject matter, any conditions existing at the site that may present a danger to public health, safety, or the environment. Client agrees to notify each federal, state, county, and local public agency, as they each may require, of the existence of any condition at the site that may present a potential danger to public health, safety, or the environment.

Notwithstanding the provisions of the foregoing, Haley & Aldrich will comply with subpoenas; judicial orders or government directives; federal, state, county, and local laws, regulations, and ordinances; and codes regarding the reporting to the appropriate public agencies of findings with respect to potential dangers to public health, safety, or the environment. Haley & Aldrich shall have no liability to Client or to any other person or entity for reports or disclosures made in accordance with such requirements. Client shall defend, indemnify, and hold Haley & Aldrich harmless from and against any and all claims, demands, liabilities, and expense, including reasonable attorneys' fees incurred by Haley & Aldrich and arising directly or indirectly out of reporting such information under a bona fide belief or upon advice of counsel that such reporting or disclosure is required by law.

15. Site and Subsurface Investigations

Client agrees to furnish right of entry and permission for Haley & Aldrich to perform surveys, borings, and other investigations, including subsurface explorations, pursuant to the scope of services. Haley & Aldrich will take reasonable precautions to minimize damage to the property and exercise reasonable care when locating underground structures in the vicinity of proposed subsurface explorations. If Haley & Aldrich is required to restore the property or subsurface conditions or structures to its former condition, the cost plus fifteen (15) percent will be added to the fee. Client shall indemnify, defend, and hold harmless Haley & Aldrich and its independent contractors and consultants from any and all claims, damages, losses, and expenses (including attorneys' fees), arising out of or resulting from any such damage, except to the extent caused by Haley & Aldrich's negligence.

16. Samples

Samples of soil, water, waste, rock, or other materials collected from the site will be disposed of 14 days after submission of Haley & Aldrich's report or other deliverables unless Client advises otherwise in writing or unless applicable law requires their retention. We will dispose of such samples by contract with a qualified waste disposal contractor. Client agrees to pay all costs associated with the storage, transport, and disposal of samples, and to indemnify Haley & Aldrich for any liability arising therefrom. If samples must be stored by Haley & Aldrich for a period in excess of 14 days after completion of Haley & Aldrich's report, or other

deliverables, Client agrees to pay an additional fee for storage as determined by Haley & Aldrich. Client recognizes and agrees that Haley & Aldrich is a bailee and assumes no title to said waste or samples nor any responsibility as generator of said waste or samples.

17. Services During Construction

If Haley & Aldrich provides services including the performance of services during the construction phase of the project, it is understood that the purpose of such services, including visits to the Site, will be to enable Haley & Aldrich to better perform the duties and responsibilities assigned to and undertaken by it as a design professional, and to determine, in general, if construction is proceeding in a manner indicating that the completed work of Contractors will conform generally to the Contract Documents.

Haley & Aldrich shall not, during such visits or as a result of observations of construction, supervise, direct, or have control over Contractors' work nor shall Haley & Aldrich have authority over, or responsibility for, the means, methods, sequences or procedures of construction selected by the Contractors or safety precautions and programs incident to the work of Contractors or for any failure of Contractors to comply with laws, rules, regulations, ordinances, codes or orders applicable to Contractors furnishing and performing their work. Haley & Aldrich does not guarantee the performance of the construction contract by the Contractors, and does not assume responsibility for Contractors' failure to furnish and perform their work in accordance with the Contract Documents.

If Haley & Aldrich's services during construction include shop drawing review, Haley & Aldrich will review (or take other appropriate action with respect to) shop drawings, samples, and other data which Contractors are required to submit, but only for conformance with the design concept of the project and compliance with the information given in the Contract Documents. Such review or other actions shall not extend to means, methods, techniques, sequences, or procedures of manufacture (including the design of manufactured products) or construction, or to safety precautions and programs incident thereto. Haley & Aldrich's review or other actions shall not constitute approval of an assembly or product of which an item is a component, nor shall it relieve the Contractors of (a) their obligations regarding review and approval of any such submittals, and (b) their exclusive responsibility for the means, methods, sequences, and procedures of construction, including safety of construction.

18. Reliance

Any opinions rendered pursuant to this Agreement are for the sole and exclusive use of Client, and are not intended for the use of, or reliance upon, by any third parties without the prior written approval of Haley & Aldrich. Client agrees to indemnify, hold harmless, and defend

Haley & Aldrich to the fullest extent permitted by law for any claims, losses, or damages allegedly suffered by third parties due to the unauthorized reliance on any opinion provided hereunder.

19. Waiver of Consequential Damages

Neither party, nor their parent, affiliated or subsidiary companies, nor the officers, directors, agents, employees, or contractors of any of the foregoing, shall be liable to the other in any action or claim for incidental, indirect, special, collateral, consequential, exemplary or punitive damages arising out of or related to the Services, whether the action in which recovery of damages is sought is based upon contract, tort (including, to the greatest extent permitted by law, the sole, concurrent or other negligence, whether active or passive, and strict liability of any protected individual or entity), statute or otherwise.

20. Hazardous Substance Claims

By authorizing Haley & Aldrich to proceed with the services, Client confirms that Haley & Aldrich has not created nor contributed to the presence of any hazardous substances or conditions at or near the Site. Client recognizes that there is an inherent risk in drilling borings, pushing or driving probes, excavating trenches, or implementing other methods of exploration at or near a site contaminated by hazardous materials. Further, Client recognizes that these are inherent risks even through the exercise of the Standard of Care. Client accepts this risk and agrees to indemnify and hold Haley & Aldrich, and each of Haley & Aldrich's subcontractors, consultants, officers, directors, and employees harmless against any and all claims for damages, costs, or expenses direct or consequential, in connection with a release of hazardous substances, except to the extent that such claims, damages, or losses are adjudicated to have resulted from Haley & Aldrich's gross negligence or willful misconduct in the performance of the services.

21. Limitation of Remedies

To the fullest extent permitted by law, the total liability of Haley & Aldrich, its officers, directors, and employees to Client, and anyone claiming by, through, or under Client, for any and all injuries, claims, losses, expenses, or damages whatsoever arising out of or in any way related to Haley & Aldrich's services, from any cause or causes whatsoever, including, but not limited to, negligence, errors, omissions, strict liability or contract, shall be limited to an amount of \$50,000 or Haley & Aldrich's fee, whichever is greater.

If Client prefers not to limit Haley & Aldrich's liability to this sum, Haley & Aldrich may increase this limitation upon Client's written request. If Haley & Aldrich approves the request, Haley & Aldrich will agree to increase the limitation to \$100,000, provided that Client agrees to pay \$1,000 for this change. The additional fee is for the additional risk assumed by Haley & Aldrich and is not a charge for additional liability insurance.

22. Dispute Resolution

If a dispute arises out of or relates to this Agreement or the breach thereof, the parties will attempt in good faith to resolve the dispute through negotiation. If the dispute is not resolved by these negotiations, the matter will be submitted to non-binding mediation with a mutually agreed upon mediator. The parties agree that they will participate in the mediation in good faith, that they will share equally in its costs, and that neither party will commence a civil action with respect to the matters submitted to mediation until after the completion of the initial mediation session.

23. Legal Action

All legal actions by either party against the other for any cause or causes, including, but not limited to, breach of this Agreement, negligence, misrepresentations, breach of warranty or failure to perform in accordance with the standard of care, however denominated, shall be barred two (2) years from the day after completion of Haley & Aldrich's Services. In the event that Client institutes a suit against Haley & Aldrich, and if such suit is not successfully prosecuted, or if it is dismissed, or if a verdict is rendered for Haley & Aldrich, Client agrees to pay Haley & Aldrich any and all costs of defense, including attorneys' fees, expert witnesses' fees, and court costs and any and all other expenses of defense which may be reasonably necessary, immediately following dismissal of the case or immediately upon judgment being rendered in favor of Haley & Aldrich.

24. Precedence

These Terms and Conditions shall take precedence over any inconsistent or contradictory provisions contained in any proposal, contract, purchase order, requisition, notice to proceed, or like document.

25. Severability

If any of these Terms and Conditions are finally determined to be invalid or unenforceable in whole or part, the remaining provisions shall remain in full force and effect, and be binding upon the parties. The parties agree to reform these Terms and Conditions to replace any such invalid or unenforceable provision with a valid and enforceable provision that comes as close as possible to the intention of the stricken provision.

26. Survival

These conditions shall survive the completion of Haley & Aldrich's services on this project and the termination of services for any cause.

27. Governing Law

This Agreement shall be governed and construed in accordance with the laws of the state of the contracting office of Haley & Aldrich.

End of Standard Terms and Conditions

APPENDIX B

**Historical Research Documentation
(on CD)**

PHASE I ENVIRONMENTAL SITE
ASSESSMENT
BUZZARD POINT PROPERTY
(SQUARES 609 & 611)
2ND ST SW / V ST SW
WASHINGTON DC

Prepared for
PEPCo Holdings Inc.
701 Ninth Street NW
Washington DC 20001

April 4, 2005

URS

URS Corporation, Inc.
200 Orchard Ridge Drive, Suite 101
Gaithersburg, Maryland 20878
URS Project No. 15296734

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PEPCo Holdings Inc. (PHI) retained URS Corporation (URS) to conduct a Phase I Environmental Site Assessment (ESA) of the Buzzard Point site located between T and V Streets SW and 1st and 2nd Streets SW (Squares 609 and 611) in Southwest Washington DC (the Property or the subject property). PHI is planning to sell the Property. The purpose of URS' Phase I ESA was to evaluate whether current or historical activities on or near the subject property may have resulted in significant contamination by hazardous substances or wastes, also known as a Recognized Environmental Condition (REC). This ESA was performed in accordance with ASTM Practice E 1527-00 standards, URS' proposal dated August 6, 2004 and PEPCo's Purchase Order 4500003335 dated August 31, 2004.

The subject property is situated on a 1.593-acre (69,375 square foot) parcel of land in a predominantly industrial area of Washington DC known as Buzzard Point, and is currently used as an asphalt-paved parking lot leased to the National Geospatial Intelligence Agency (NGIA). The Property is one of five PEPCo properties located at Buzzard Point.

According to the information provided by site personnel, historical documents, and previous reports, the subject property once functioned as a coal storage yard. The PEPCo generating station, located on the adjacent property to the east, was activated in 1928 and was initially fueled by coal. Therefore, it is reasonable to assume that coal piles were located on the subject property as early as 1928. However, at some point in the late 1960's or early 1970's, the generating station switched from being coal-fired to fuel-fired. During this time period, the current 1.9-million gallon steel aboveground storage tank (AST) was constructed on the southern portion of the subject property. The AST contained fuel oil that fired the generating station's oil-fired steam generators through an underground pipeline that ran beneath 1st Street SW. The remaining coal piles were removed from the subject property by 1980. The AST was retired and the underground pipeline was filled in shortly after the generating station was decommissioned in 1981.

URS conducted a site reconnaissance of the Property on September 16, 2004 to identify current site uses and potential sources of hazardous substances both on the Property, and in the Property vicinity. The site reconnaissance consisted of visual inspection, interviews, and a pedestrian survey. No intrusive activities, such as soil and water sampling, were conducted as part of this ESA.

The Property is completely enclosed by a fence with two access points (one along 1st Street SW and one along 2nd Street SW). Each access point is guarded by a security located inside the parking lot. On the outside of the fence, the property is surrounded by a small grassy area followed by a public sidewalk. One small shed is located on the northeast corner of the property. The shed contains maintenance equipment such as brooms, salt, landscaping equipment, etc. that is used by the NGIA to maintain the parking lot. A second structure is located on the southern portion of the subject property next to the retired AST. The shed, which contains a fire pump, is within the dike and fenced area that encloses the AST. URS was unable enter the dike/fenced area containing the AST and the small fire pump shed. Pole-mounted lights, as well as small vegetated areas were observed throughout the parking lot.

No underground storage tanks were observed or reported on the subject property. There are two identical pits/subgrade structures located near the AST on the southeastern portion of the subject property. Site representatives did not know the function or purpose of the pits. No

environmental concerns related to hazardous materials, solid wastes, wastewater, or PCB-containing equipment were observed.

Soil sampling was conducted in 1990 on three of five PEPCo-owned Buzzard Point properties. The subject property, identified as Site 3 in the report, was included in the scope of the assessment; however, soil samples were not collected on the subject property because it was actively being used as a storage yard, parking lot, and maintenance area for vehicles. Sampling results from two of the three sites revealed soil contamination. Soil samples collected revealed the presence of total petroleum hydrocarbons (TPH) and ethylbenzene at Site 1, north of the Property, and the presence of TPH at the adjacent former PEPCo/Chevron gasoline station.

The District of Columbia, Department of Consumer and Regulatory Affairs, Underground Storage Tank Management Branch (DCRA) issued a directive requiring a Corrective Action Plan to be submitted regarding suspected groundwater contamination at the adjacent generating plant, and identified the case as LUST Case # 93-051. The DCRA Directive also identified the former PEPCo/Chevron gasoline station located at 180 S Street SW and the active PEPCo aboveground tank farm that provided fuel for the combustion turbine yard (CT Yard) as requiring additional assessment. Since 1993, PEPCo has conducted monthly monitoring and provided the results in quarterly reports to DCRA.

The most recent (August 2004) progress report of the groundwater remediation project at the adjacent generating plant states that since May 2003, samples have been taken quarterly at the three downgradient wells and results have been consistently below regulatory standards.

Environmental Data Resources, Inc. (EDR) was contracted to review state and federal records. Pertinent results of the EDR search are discussed in Section Five. Federal and State records researched by EDR indicate that no environmental records (such as those involving operating procedures, permits, spill and release incidents, air emissions, non-compliance events, tank removals, tank closures, waste storage and disposal, and polychlorinated biphenyls) exist for the Property.

Based on a review of available information, it is apparent that the subject property has a long history of industrial use. As a result, past activities conducted on the property (i.e. coal storage and fuel supply for the adjacent generating station) are of concern. In particular, potential leaks from the underground pipeline while it was still in use, as well as the pits that may have been oil water separators or were associated with the former underground pipeline in some way, have the potential to create a Recognized Environmental Condition on the subject property.

Based on the review of available information, the following offsite properties were identified that are likely to create a Recognized Environmental Conditions on the subject property:

- the inactive PEPCo generating station (adjacent to the east and crossgradient) which is currently undergoing groundwater remediation,
- the former gas station (adjacent to the north and upgradient) which was identified as having TPH contamination in soil,
- and the former PEPCo storage yard (located at Q and 2nd Streets SW, three blocks north and upgradient) which was also identified as having TPH contaminants in soil, and

- the Super Salvage scrap yard (located at R and 1st Streets SW, two blocks north and upgradient of the subject property) where large scale waste debris and scrap metal operations were observed being conducted over site soils.

Releases from these nearby sites have the potential to create a Recognized Environmental Condition on the subject property.

Further investigation is recommended.

This Executive Summary is not intended to be a "stand-alone" document, but a summary of our findings as described in the following report. It is intended to be used in conjunction with the scope of services and limitations described therein.

PEPCo Holdings Inc. (Client), retained URS Corporation (URS) to conduct a Phase I Environmental Site Assessment (ESA) of the Buzzard Point site located between T and V Streets SW and 1st and 2nd Streets S.W. (Squares 609 and 611) in Washington, D.C. (subject property or Property). This Phase I Environmental Site Assessment was conducted in conformance with the methods and procedures described in the American Society for Testing and Materials (ASTM) "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" (Standard Designation E 1527-00). The Phase I ESA was also conducted in accordance with URS' proposal dated August 6, 2004 with reference to PEPCo's Purchase Order 4500003335 dated August 31, 2004. The Phase I ESA objectives, scope, and limitations are presented in the following sections.

1.1 OBJECTIVE

The objective of URS' Phase I Environmental Site Assessment was to evaluate whether current or historical activities on or adjacent to the subject property may have resulted in a "Recognized Environmental Condition." A Recognized Environmental Condition is defined by ASTM as:

"The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not recognized environmental conditions."

A Historical Recognized Environmental Condition is defined separately as:

"[An] environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently. The final decision will be influenced by the current impact of the historical recognized environmental condition on the property."

1.2 SCOPE OF WORK

URS' Scope of Work for the Phase I Environmental Site Assessment consisted of an inspection of the subject property and nearby area, a review of historical information on activities on the subject property, review of readily available regulatory information concerning the subject property and nearby properties of environmental concern, review of previous reports concerning nearby properties and preparation of a report detailing URS' results, conclusions, and recommendations.

1.3 LIMITING CONDITIONS

URS' site inspection included a walking inspection of areas of the subject property that were accessible by foot, and a drive-by inspection of surrounding and adjacent properties, including those properties identified in the environmental database search. The following conditions limited URS' ability to inspect all areas of the subject property:

- An inactive aboveground storage tank (AST) located on the southern portion of the subject property is enclosed by a 6-foot concrete dike and fence. As a result, URS was unable to closely inspect the immediate surroundings of the tank.
- A small shed located beside the AST that reportedly contains a fire pump could not be accessed during the site inspection.

No other conditions that would limit URS' ability to complete the scope of work were encountered during the performance of the Environmental Site Assessment.

1.4 LIMITATIONS OF THE ASSESSMENT

The Phase I Environmental Site Assessment was prepared in accordance with URS' proposal dated August 6, 2004. The work conducted by URS is limited to these services with and no other services beyond those explicitly stated should be inferred or are implied.

The conclusions presented in this report are professional opinions based solely upon URS' visual observations of the Property and adjacent properties, and upon URS' interpretations of the readily available historical information, conversations with personnel knowledgeable about the Property, and other readily available information, as referenced in the report. These conclusions are intended exclusively for the purpose stated herein, at the Property indicated, and for the project indicated.

URS has performed the scope of work set forth in the proposal related to this project, in specific reliance on the understandings and agreements reached between URS and PEPCo Holdings Inc. (Client). Without limiting the generality of the foregoing, and to insure that there are no misunderstandings regarding the scope of URS' activities, be advised that the Scope of Work did not include structural, electrical or mechanical issues, or other activities not expressly described in the proposals or in URS' report. Upon written request, URS will issue a proposal to expand the Scope of Work to include these or additional matters within our expertise.

The report(s) and any other information which URS prepared and submitted to Client in connection with this project (collectively, the "Reports") are for the sole use and benefit of Client for the property described in the report and may not be used or relied upon by any other person or entity without the prior written consent of Client and URS. Any such consent given by URS shall be deemed to be and shall be subject to the terms and conditions of the Proposals and the Agreement, including without limitation, the warranty, liability and indemnity terms thereof, and any person given such consent (Grantee) shall be deemed to have agreed to such terms and conditions by its use and reliance on the Reports. Such Grantee must also agree not to reveal the contents of the Reports to any other person or entity without the prior written consent of both Client and URS.

Client recognizes and agrees that:

- (1) The information in the Reports relates only to the properties specifically described in the Proposals and Reports and was presented in accordance with and subject to the scope of work described in the Proposals which were specifically agreed to by Client;
- (2) The information and conclusions provided in the Reports apply only to the subject properties as they existed at the time of URS' site examination. Should site use or conditions change or should there be changes in applicable laws, standards or technology, the information and conclusions in the Reports may no longer apply;
- (3) URS makes no representations regarding the value or marketability of these properties or their suitability for any particular use, and none should be inferred based on the Reports;
- (4) The Reports are intended to be used in their entirety and no excerpts may be taken to be representative of the findings of this investigation;
- (5) URS' services in the development of this report were conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the same professions currently practicing in the same locality under similar conditions and no other guaranty, warranty, or representation, either express or implied, is included or intended herein.

The scope of services proposed are limited to visual observations of site conditions on the day inspected; review of readily available and relevant data; and, statements made and information provided by the Client, his agents, outside parties, and regulatory agencies. URS will exercise due and customary care in the conduct of its assessment but will not independently verify information provided by others. Therefore, URS will assume no liability for any loss resulting from errors or omissions arising from the use of inaccurate/incomplete information or misrepresentations made by others.

Information concerning the subject property was obtained from a site inspection conducted by Ms. Lynne McMullen of URS on September 16, 2004, interviews with representatives of the subject property owner, and review of the documents referenced in Section 7.0 of this report. Adjacent properties were inspected by Mr. Roger Naylor and Ms. Lynne McMullen both of URS on September 2, 2004. URS was escorted during both site visits by Mr. Shahid Anis, Environmental Consultant with PEPCo.

2.1 PHYSICAL LOCATION AND DESCRIPTION OF PROPERTY

The subject property is one city block that is bordered by T and V Streets S.W. and 1st and 2nd Streets S.W. (identified as Square 609, Lot 804 and Square 611, Lots 810 and 19 on a city tax map). The Property is rectangular-shaped, situated on a 1.593-acre (69,375 square foot) parcel of land in a predominantly industrial area known as Buzzard Point in Washington D.C. The Property is currently used as an asphalt-paved parking lot that is leased to the National Geospatial Intelligence Agency.

Utilities available to the Property include electricity, natural gas, public water and sewer. A Site Location Map is presented as Figure 1, and a Site Plan is presented as Figure 2.

2.2 ENVIRONMENTAL SETTING

Environmental characteristics including topography, geology, and hydrogeology were evaluated based on site observations, published literature, and maps.

2.2.1 Topography and Surface Water Characteristics

According to the United States Geological Survey topographic map of the Alexandria, Virginia Quadrangle, 1965 (photorevised, 1983), the elevation of the subject property is approximately 14 feet above mean sea level (msl). The subject property is generally level, with the natural topographic gradient across the subject property being south-southeast.

Stormwater runoff on the subject property flows into the stormwater drains located on the edges of the parking lot, which discharge to the municipal storm sewer. The nearest surface bodies of water are the Anacostia River, the Potomac River, and Washington Channel. The Anacostia River is located approximately 330 feet southeast of the subject property; the Potomac River is approximately 3,630 feet southwest; and the Washington Channel is approximately 1,485 feet to the west. All three waterways converge at a point approximately $\frac{3}{4}$ mile southwest of the Property and flow to the south. No surface impoundments were observed on the subject property.

2.2.2 Local Geology, Soils and Groundwater

A review of selected information from public sources concerning the geology and hydrology of the Property and surrounding area indicate the following classification and characteristics.

Geology

The subject property is geologically located in the Atlantic Coastal Plain physiographic province, which consists of marine and fluvial sediments. The overburden at the Property generally

consists of deep deposits of alluvial soils. It is underlain by the Mesozoic Era, Cretaceous System, and Lower Cretaceous Series stratigraphic unit.

Soils

According to the United States Department of Agriculture (USDA) *Soil Survey of District of Columbia* (1976), the soils mapped at the subject property consist of the "Urban Land". The Urban Land soil unit consists of areas where more than 80% of the surface is covered by asphalt, concrete, buildings, or other impervious surfaces. These areas include large areas where miscellaneous artificial fill was placed over swamps or streams.

Depth to bedrock was estimated at more than 5 feet below ground surface (bgs). The dominant soil composition in the vicinity is silt loam, which is moderately well drained. Subsurface soils consist mostly of quaternary aged sands, gravels and silts of the Wicomico Formation. Aquifer materials have very low permeability.

Soils collected during a previous investigation conducted by TPH Technology indicated that the subject property is located on the Pamlico Formation and Recent Alluvium which consists of gravel, sand and silt, and clayey fill.

Groundwater

Groundwater in the area of the subject property is typically encountered approximately 15 to 20 feet bgs and flows west-southwest towards the convergence of the three waterways. General groundwater flow throughout D.C. is generally to the south towards the Potomac River. Areas located to the north are topographically, and assumed to be hydrogeologically, upgradient of the subject property. The groundwater in Washington DC is known to be impacted by various sources and is not used for a source of public drinking water supply.

Wetland and Flood Zone

According to the USGS Alexandria, Virginia Quadrangle topographic map, the subject property was not identified as being located within a wetland area. There are no wetland areas within 1 mile of the subject property. According to the Federal Emergency Management Agency Flood Insurance Rate Map (community panel: 110001 0025B, effective November 15, 1985), the subject property is not located within a 100-year or 500-year flood zone.

The history of land use on and near the subject property was determined from interviews, review of historic aerial photographs, city directories, and the other documents referenced in Section 7.

3.1 CURRENT AND PRIOR OWNERSHIP

PEPCo currently owns the subject property. A chain of title search was not included in the scope of work for this Phase I ESA.

3.2 SITE HISTORY

According to the information provided by site personnel, historical documents, and previous reports, the subject property once functioned as a coal storage yard. The PEPCo generating station, located on the adjacent property to the east, was activated in 1928 and was initially fueled by coal. Therefore, it is reasonable to assume that coal piles were located on the subject property as early as 1928. However, at some point in the late 1960's or early 1970's, the generating station switched from being coal-fired to fuel-fired. It is during this time period that the current 1.9-million gallon steel aboveground storage tank (AST) was constructed on the southern portion of the subject property. The AST contained fuel oil that fired the generating station's oil-fired steam generators through an underground pipeline that ran beneath 1st Street SW. The remaining coal piles were removed from the subject property by 1980. The AST was retired and the underground pipeline was filled in shortly after the generating station was decommissioned in 1981.

During the 1980's and early 1990's, the subject property was leased out to W.A. Chester, Inc. and used as a storage yard, parking lot, and vehicle maintenance area. Currently, the subject property is being leased out to the National Geospatial Intelligence Agency who uses the Property as a secured employee automobile parking lot.

3.3 INTERVIEWS

URS interviewed Shahid Anis, an engineer for PEPCo for the past 28 years. He was not aware of any incidents, unusual odors, stains or other conditions on the actual subject property that would indicate a potential environmental concern. However, Mr. Anis did report that there have been incidents that have occurred on adjacent PEPCo properties (specifically, the PEPCo generating station site adjacent to the east and the former gas station site adjacent to the north) that may present environmental concerns on the subject property. The two adjacent properties are discussed in further detail in section 3.4.

URS also interviewed Fariba Mahui, the PEPCo tank coordinator, regarding the decommissioning of the AST on the subject property in the early 1980's. Ms. Mahui reported that a hole was cut out of the tank to enable its cleaning and that the underground pipeline that fed the fuel in the tank to the generating station's steamers was filled in. Further documentation detailing the decommissioning of the tank and underground pipeline was not available.

3.4 PREVIOUS REPORTS

URS reviewed previous environmental reports provided by PEPCo concerning the subject property and the adjacent PEPCo properties. Copies of the previous reports are presented in Appendix A and are summarized below:

Geomatrix, Inc., Assessment of the Buzzard Point Properties, 1990

In 1990, Geomatrix Inc. conducted soil sampling on five PEPCo-owned Buzzard Point properties located in Southwest Washington D.C. The subject property, identified as Site 3 in the report, was included in the scope of the assessment. However, Geomatrix was unable to take soil samples on the subject property because it was actively being used as a storage yard, parking lot, and maintenance area for vehicles. The report states that the objective of the investigation was to determine if the sites were "environmentally clean". Geomatrix collected soil samples that were analyzed for total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene, xylene (BTEX), polychlorinated biphenyls (PCBs), and EP toxicity metals. PEPCo's generating station (identified as Site 5) was not evaluated because it was actively being used as a substation.

Soil samples collected from the three other PEPCo sites revealed the following:

- Site 1 (Square 603, located at Q and 1st Streets SW, three blocks north and upgradient of the subject property) was being used as an office area and parking lot at the time of the investigation. The site contained active USTs and has a history of UST removal. Two of the soil samples were taken from a depth of 3 to 5 feet; two were taken from a depth of 8 to 10 feet. Of the four samples collected, one sample had a TPH concentration of 32 parts per million (ppm), TPH of 1440 ppm, and ethylbenzene of 1 ppm. None of the parameters analyzed were detected in the other two soil samples.
- Site 2 (Square 607, located between 2nd and T Streets SW, adjacent to the north and upgradient to the subject property) was being used as a filling station for PEPCO vehicles at the time of the investigation. All samples were collected from a depth of 0 to 2 feet. Of the thirteen samples collected, ten of the samples showed TPH concentrations ranging from 100 ppm to 360 ppm.
- Site 4 (Square 661, located at R and 1st Streets SW, approximately 330 feet northeast and upgradient to the subject property) was a vacant lot at the time of the investigation and was being used for storage of excavated soils. Soil samples were collected from a depth of 0 to 2 feet. None of the four samples collected revealed the presence of TPH, BTEX, or PCBs.

Geomatrix reported that the extent of TPH contamination at Site 1 was unknown. Concentrations of TPH at Site 2 were fairly well distributed throughout the site. It was concluded that the presence of TPH at Site 1 and 2 most likely resulted from prior and current activities at those two sites. Releases from these upgradient sites have the potential to create a REC on the subject property.

TPH Technology, Incorporated, Corrective Action Plan, Remedial Specifications and Implementation Details, Buzzard Point Generating Station, Half & S Streets SW, Washington, DC, DC LUST Case # 93-051, March 10, 1995

According to the report, in 1968, an underground oil pipeline was installed at the combustion turbine yard (CT Yard), located on the northern portion of the generating station site (approximately 50 feet northeast and upgradient of the subject property), to transfer fuel oil from the AST farm located on the adjacent property to the north to the generating station. In the early 1970's, a leak was detected in the fuel oil pipeline and was repaired. However, in 1993, PEPCo personnel discovered the presence of petroleum in an onsite monitoring well. As a result, the District of Columbia, Department of Consumer and Regulatory Affairs, Underground Storage Tank Management Branch (DCRA) issued a directive requiring a Corrective Action Plan to be submitted for the suspected on-site groundwater contamination at the generating plant. The release was assigned LUST Case # 93-051. Under this plan, PEPCo was also required to continue monitoring all wells, remove free phase product, and submit monthly recovery reports until the case was deemed closed by DCRA. The DCRA Directive also identified the former PEPCo/Chevron gasoline station located at 180 S Street SW (the block adjacent to the north of the subject property and identified as Site 2 in the Geomatrix report) and the active PEPCo aboveground tank farm that provided fuel for the CT Yard (located approximately 500 feet northeast of the subject property) as requiring additional assessment. A Comprehensive Site Assessment (CSA) Report was written in August 1993 for the two properties, but was not available at the time this report was prepared.

Beginning in May 1993 and ending in January 1995, PEPCo installed a total of 23 monitoring wells throughout the generating station and CT Yard, as well as on the AST tank farm and former gas station site (as required by DCRA's directive). Both the soil and the groundwater samples revealed the presence of TPH and BTEX. The closest monitoring well to the subject property, MW-13, is located approximately 105 feet to the north on the adjacent former gas station. The soil cutting from MW-13 was found to have a TPH concentration of less than 29.8 mg/kg and a BTEX concentration of .02392 mg/kg. PEPCo's proposed remedial method was "to remove free-phase and adsorbed-phase product from the soil and groundwater beneath the CT Yard, and then allow natural processes to reduce soluble hydrocarbon concentrations once the free-phase and adsorbed-phase products were removed." Since 1993, PEPCo has conducted monthly monitoring and provided the results in quarterly reports to DCRA.

PEPCo, Buzzard Point Station – LUST Case # 93-051, Progress Report, August 19, 2004

In August of 2004, PEPCo submitted a progress report of the groundwater remediation project at the adjacent generating plant to the DCRA Underground Storage Tank Division. The report provided a summary of the site activities and analytical results of groundwater samples for three downgradient wells (located approximately 200 feet upgradient to the east and northeast of the subject property) for the period of April through July 2004. At the three wells (which are considered immediately downgradient of the CT Yard and Tank Farm), the results from the August 2004 sampling were fairly similar to the results of the March 2004 sampling. BTEX levels remained below Maximum Contaminants Levels (MCLs) for drinking water. Furthermore, TPH levels remained below the District of Columbia Water Quality Standards. The report states that since May 2003, samples have been taken quarterly at the three downgradient wells and results have been consistently below regulatory standards. According to the report, the "results

indicate that the contamination is confined to the site and due to a flat gradient, groundwater has no flow movement to leach the contamination outside the site boundary.”

URS obtained documents from the PEPCo office providing information on USTs that were historically and currently located on adjacent PEPCo properties. Copies of these documents are provided in Appendix C.

- At one time, the adjacent property to the north (the former PEPCo/Chevron filling station) had two 6,000-gallon USTs which were owned by Chevron. One UST contained leaded gasoline and the other contained diesel fuel. These two tanks were removed in November 1988. There was also a 20,000-gallon gasoline UST, owned by PEPCo, which was removed in August 1993. According to PEPCo personnel, there are no longer any USTs located at the former filling station site.
- There have been several USTs removed from the adjacent property to the east (the PEPCo generating station and CT yard). According to documentation, four 2,000-gallon USTs (installed in 1968) containing waste oil were removed from the ground from 1991 until 1993. In addition, two 10,000-gallon USTs containing # 2 fuel oil, one 2,000-gallon UST containing fuel additive, and one 500-gallon UST containing varsol (installation dates unknown) were filled in with inert material in June 1984.
- According to site personnel and documentation, only two USTs remain. Two 4,000-gallon USTs are located at the adjacent generating plant and CT yard and contain waste oil. These tanks were installed in September 1993.

3.5 AERIAL PHOTOGRAPHS AND TOPOGRAPHIC MAPS

URS reviewed historical aerial photographs and topographical maps that covered the area of the subject property. The USGS Alexandria Quadrangle topographic maps, 1956, 1965 (photo-revised 1971, 1972, 1979), and 1994 were reviewed. Aerial photographs were available from 1948, 1957, 1963, 1970, 1980, 1988 and 2002. The following table summarizes this information. Photocopies of the historical aerial photographs and topographical maps are provided in Appendix B.

Table 1
Summary of Historical Information
Buzzard Point
1st Street SW/V Street SW
Washington DC

Date	Location	Observation	Source
1948	Subject Property	Coal piles and what appears to be a conveyor are present	Aerial Photo
	Adjacent	North: Many small square structures, most likely residences East: PEPCo generating station South: Mostly wooded land with a few small structures West: Several large buildings, most likely Ft. McNair housing	

SECTION THREE

Historic Site and Surrounding Property Conditions

Date	Location	Observation	Source
1956	Subject Property	A rail spur and a small building are shown	Topographic Map
	Adjacent	North: Vacant East: PEPCo generating station South: A few small square structures West: Several large buildings, most likely Ft. McNair housing	
1957	Subject Property	Coal piles are present. A small building and conveyor belts are shown.	Aerial Photo
	Adjacent	North: Several clumps of trees with only a few small structures. East: PEPCo generating station South: Mostly wooded land with a few small structures West: Several large buildings, most likely Ft. McNair housing	
1963	Subject Property	Coal piles are present. A small building and conveyor belts are shown.	Aerial Photo
	Adjacent	North: Small structures, most likely residential East: PEPCo generating station South: Cleared land with a large building on the Anacostia River waterfront West: Several large buildings, most likely Ft. McNair housing	
1965	Subject Property	A rail spur is present	Topographic Map
	Adjacent	North: Vacant East: PEPCo generating station South: Three small square structures West: Several large buildings, most likely Ft. McNair housing	
1970	Subject Property	Coal piles are present. A small building and conveyor belts are shown. A large AST is on the southern portion of the property.	Aerial Photo
	Adjacent	North: One rectangular building is shown on the northern portion East: PEPCo generating station and PEPCo combustion turbine yard South: Cleared land with a large building on the Anacostia River waterfront West: Several large buildings, most likely Ft. McNair housing	
1971 and 1972	Subject Property	A rail spur and a small building are shown. Also, the AST is shown on the southern portion of the property.	Topographic Maps
	Adjacent	North: Vacant East: PEPCo generating station South: Three small square structures West: Several large buildings, most likely Ft. McNair housing	
1979	Subject Property	Coal piles are present. A small building and conveyor belts are shown. A large AST is on the southern portion of the property.	Topographic Map
	Adjacent	North: One rectangular building is shown on the northern portion (may be the former filling station) East: PEPCo generating station and PEPCo combustion turbine yard South: Large structure, most likely the current US Coast Guard Headquarters office building West: Several large buildings, most likely Ft. McNair housing	

SECTION THREE

Historic Site and Surrounding Property Conditions

Date	Location	Observation	Source
1980	Subject Property	The AST is present as well as several smaller structures (i.e. trailers). (The coal piles and conveyor belts are no longer shown).	Aerial Photo
	Adjacent	North: One rectangular building is shown on the northern portion (may be the former filling station) East: PEPCo generating station and PEPCo combustion turbine yard South: Large rectangular structure, most likely the current US Coast Guard Headquarters office building West: Several large buildings, most likely Ft. McNair housing	
1988	Subject Property	The AST is present	Aerial Photo
	Adjacent	North: One rectangular building is shown on the northern portion (may be the former filling station) East: PEPCo generating station and PEPCo combustion turbine yard South: Large rectangular structure, most likely the current US Coast Guard Headquarters office building West: Cleared, vacant land	
1994	Subject Property	The AST is present.	Topographic Map
	Adjacent	North: One rectangular building is shown on the northern portion (may be the former filling station) East: PEPCo generating station and PEPCo combustion turbine yard South: Large structure, most likely the current US Coast Guard Headquarters office building West: Large rectangular structure, most likely current Fort McNair building	
2002	Subject Property	AST is present as well as an asphalt paved parking lot.	Aerial Photo
	Adjacent	North: One rectangular building is shown on the northern portion surrounded by an empty parking lot East: PEPCo generating station and PEPCo combustion turbine yard South: Large structure, most likely the current US Coast Guard Headquarters office building West: Large rectangular structure, most likely current Fort McNair building	

3.6 OTHER DOCUMENTS

URS also reviewed Sanborn Maps for the years 1984, 1988, 1990, 1991, 1992, and 1994 that covered the area of the subject property. From 1984 until 1994, the subject property is identified as a PEPCo storage yard. A fuel oil AST enclosed by a 6' dike is shown on the southern portion of the property. A small shed is shown next to the dike. There is a PEPCo parking lot with a private garage to the north, the PEPCo generating station and combustion turbine yard to the east, and a U.S. Government office building (most likely the existing US Coast Guard Headquarters) to the south. Adjacent properties to the north, east, and south primarily appear the same on each of the Sanborn Maps. However, use of the adjacent property to the west changes throughout time. The 1984 Sanborn map depicts US Government office buildings on the adjacent property to the west, the 1988 map depicts the property as a Government parking lot, and the 1990 through 1994 Sanborns portray the Ft. McNair National Defense University Academic Operations Center and associated parking lots. Photocopies of the Sanborn Maps are provided in Appendix B.

City directories were also reviewed for the subject property and surrounding properties for the years 1922 through 2000 (at approximately 5 year intervals). Between 1922 and 2000, the subject property is consistently identified as "address not listed in research source". Between 1922 and 1936, surrounding properties along 1st and 2nd Streets SW are described as either individual residences or vacant. From 1940 until 1969, all surrounding properties are listed as vacant. Between 1973 and 1993, the surrounding properties along V and 2nd Streets SW are identified as various types of office buildings such as the Electrical Security Corporation, Office Cleaning Inc., Westwood Management Corp, U.S. Railway Association, etc. Lastly, in the 2000 directory, the surrounding properties are identified as apartments, residences, and James Creek Marina along V Street SW and the U.S. Department of Transportation, U.S. Coast Guard Headquarters, and the National War College Alumni Association along 2nd Street SW. Photocopies of the city directories are provided in Appendix B.

3.7 HISTORICAL SUMMARY

Based on URS' review of historical documents, the subject property was used for coal pile storage from as early as 1948 until 1979. The coal was used to fuel the adjacent PEPCo generating station. A 1.9-million gallon aboveground storage tank (AST) containing fuel oil with an underground pipeline was constructed on the property as early as 1970 to replace coal as the fuel source for the generating station. The coal piles and associated conveyor belts were removed from the subject property sometime between 1979 and 1980. According to PEPCo personnel and prior reports, the AST was decommissioned in 1981 at the same time that the adjacent generating station was decommissioned. From 1980 until 2002, the subject property was used as a storage yard, parking lot, and for vehicle maintenance. Based on the long history of industrial use at the subject property, past activities have a potential to create a REC on the subject property. In particular, potential releases from the onsite underground pipeline have the potential to create a REC.

Furthermore, several adjacent properties were identified that have the potential to create a REC on the subject property. According to the 1990 Geomatrix soil assessment of the five PEPCo properties located at Buzzard Point, soil samples taken from the PEPCo storage yard (located three blocks north and upgradient of the subject property) and PEPCo/Chevron former gas station (located adjacent to the north and upgradient of the subject property) revealed the presence of TPH. In addition, releases from the adjacent PEPCo generating station and the active CT Yard (LUST Case # 93-051) have the potential to create a Recognized Environmental Condition on the subject property.

URS inspected the subject property on September 16, 2004. URS' site inspection included a walking inspection of the entire parcel. The weather was warm and sunny. Resumes for URS personnel involved in the site inspection, interviews, and the preparation of this report are presented in Appendix D. Photographs taken during URS' site inspection are provided in Appendix E.

4.1 CURRENT USES OF THE PROPERTY

The Property is used as an asphalt-paved parking lot currently leased out to the National Geospatial Intelligence Agency (NGIA).

4.2 SITE OBSERVATIONS

Key features of the Property are described below and the layout and relevant features of the subject property are shown on Figure 2. The Property is completely enclosed by a fence with two access points (one along 1st Street SW and one along 2nd Street SW). Each access point is guarded by a security located inside the parking lot. On the outside of the fence, the property is surrounded by a small grassy area followed by a public sidewalk. One small shed is located on the northeast corner of the property. The shed contains maintenance equipment such as brooms, salt, landscaping equipment, etc. that is used by the NGIA to maintain the parking lot. A second structure is located on the southern portion of the subject property next to the retired AST. The shed, which contains a fire pump, is within the dike and fenced area that encloses the AST. As mentioned earlier in the report, URS was unable enter the dike/fenced area containing the AST and the small fire pump shed. Both structures were approximately 10-feet-by-10-feet and size and constructed of sheet metal. Pole-mounted lights, as well as small vegetated areas were observed throughout the parking lot.

4.2.1 Easements and Utilities

Electricity is supplied to the subject property area by Potomac Electric Power Company and natural gas is supplied by Washington Gas. Washington Water and Sewer Authority supplies water and sewer service to the subject property area.

Two pole-mounted transformers, one on the north side and one on the east side, are located outside the fence along the edge of the property. Storm drains were also observed along the streets.

4.2.2 Stormwater

Stormwater flows into intake drains that are located along the edges of the parking lot within the fence.

4.2.3 Hazardous Substances and Wastes

During the site visit, URS did not observe hazardous wastes or activities that would be considered likely to generate hazardous wastes on the subject property.

4.2.4 Underground/Aboveground Storage Tanks

URS observed no evidence of current USTs on the subject property at the time of the site inspection. There is a 1.9-million gallon AST located on the southern portion of the subject property. The AST stored fuel oil that fed oil-fired steam generators at the adjacent PEPCo generating station. The fuel was fed to the generating station via an underground pipeline underneath 1st Street SW. The AST was decommissioned when the generating station became inactive in 1981 and the underground pipe was filled in. The AST is enclosed by a 6 foot concrete dike and a fence. From outside of the dike/fence barrier, URS could not observe evidence of stains or leaks in the vicinity of the AST. Past releases of fuel oil, if any, from the underground pipeline have the potential to create a REC on the subject property.

4.2.5 PCB-Containing Equipment

No potential PCB-containing equipment was observed on the subject property.

4.2.6 Solid Waste

URS did observe small amounts of solid waste on the subject property. A thorough inspection of the AST and surrounding area was limited due to a fence and 6' concrete dike. However, from the outside of the fence and dike, URS did observe some debris inside the vegetated area surrounding the retired AST. The materials consisted of typical roadside debris items such as bottles, paper, etc., as well as rusted piping that most likely was removed from the AST when it was decommissioned in the early 1980's. The debris observed near the AST is unlikely to create a Recognized Environmental Condition on the subject property.

4.2.7 Wastewater

No wastewaters were observed or reported to be generated on the subject property.

4.2.8 Wells

No wells were observed or were reported to have ever existed on the subject property.

4.2.9 Sumps, Pits, Ponds, and Lagoons

There are two identical pits/subgrade structures located near the AST on the southeastern portion of the subject property (see Figure 2 and Photo No. 6). Site representatives did not know the function or purpose of the pits. The pits are approximately 5-foot by 7-foot in size and consisted of a concrete lined vault covered by thick metal lids that allowed for access into the pits. URS was unable to remove the metal covers; however, the pit closest to the AST was partially uncovered. Standing water could be seen approximately 5 feet down. The water did not appear to have oily sheens or unusual odors.

No other sumps, lagoons or other surface impoundments were observed on the subject property during the site inspection. Although the exact use of the pits is unknown, the structures may have been used as oil water separators or were associated with the former underground pipeline in some way. The pits have the potential to create a REC on the subject property.

4.2.10 Other Physical Evidence of Contamination

No other evidence of contamination, including staining of the soil and puddles of water having floating oil, topographic anomalies and distressed vegetation were identified during the site inspection.

4.3 CURRENT USES OF ADJOINING PROPERTIES

Adjacent properties were observed as follows:

- **North** T Street SW, followed by vacant parking lot and a storage building (a former gas station) which are owned by PEPCo, followed by S Street SW, and Super Salvage salvage yard.
- **East/Northeast** 1st Street SW, followed by the active PEPCo gas combustion turbine yard (on the northern portion of the adjacent property) and the inactive PEPCo generating station (on the southern portion of the adjacent property).
- **South** V Street SW, followed by the US Coast Guard Headquarters office building, followed by the Anacostia River.
- **Southeast** Intersection of V and 1st Streets SW, followed by a vacant, vegetated lot.
- **Southwest** Intersection of V and 2nd Streets SW, followed by James Creek Marina.
- **West/Northwest** 2nd Street SW, followed by a Fort McNair building and associated parking lot.

4.4 SURROUNDING PROPERTIES OF POTENTIAL ENVIRONMENTAL CONCERN

A drive-by/walking inspection of adjacent properties identified sites that have the potential to create a Recognized Environmental Condition on the subject property. The following sites were considered suspect, and received specific consideration:

- the former PEPCo generating station and CT Yard (adjacent to the east) which is currently undergoing groundwater remediation for LUST Case # 93-051,
- the former PEPCo/Chevron gas station (adjacent to the north) which was identified as having TPH contamination in soil, based on sampling that was conducted in 1990,
- the former PEPCo storage yard (located at Q and 2nd Streets SW, three blocks north and upgradient of the subject property) which was also identified as having TPH contaminants in soil, and
- the Super Salvage scrap yard (located at R and 1st Streets SW, two blocks north and upgradient of the subject property) where large scale waste debris and scrap metal operations were observed being conducted over site soils; potential releases from the debris have potential to create a REC

These facilities are discussed further in Sections 3.7 and 5.1, respectively.

5.1 ENVIRONMENTAL DATABASE REVIEW

URS reviewed information gathered from several environmental databases through Environmental Data Resources, Inc. (EDR) to evaluate whether activities on or near the subject property have the potential to create a Recognized Environmental Condition on the subject property. EDR reviews databases compiled by Federal, state, and local governmental agencies. The complete list of databases reviewed by EDR is provided in EDR's report, which is included in Appendix F. It should be noted that this information is reported as URS received it from EDR, which in turn reports information as it is provided in various government databases. It is not possible for either URS or EDR to verify the accuracy or completeness of information contained in these databases. However, the use of and reliance on this information is a generally accepted practice in the conduct of environmental due diligence. A description of the databases searched and the information obtained is summarized below:

**Table 2
Environmental Database Summary
Buzzard Point
1st Street SW/V Street SW
Washington DC**

Type of Database/Date	Description of Database/Effective Date	Radius Searched	Number of Sites Identified
NPL	The National Priorities List identifies uncontrolled or abandoned hazardous waste sites. To appear on the NPL, sites must have met or surpassed a predetermined hazard ranking system score, been chosen as a state's top priority site, pose a significant health or environmental threat, or be a site where the EPA has determined that remedial action is more cost-effective than removal action. Effective Date – 4/04	1mile	0
CERCLIS	The Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database identifies hazardous waste sites that require investigation and possible remedial action to mitigate potential negative impacts on human health or the environment. Effective Date – 5/04	0.5 mile	1
CERCLIS-NFRAP	No Further Remedial Action Planned (NFRAP). As of February 1995 CERCLIS sites designated NFRAP have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. Effective Date – 5/04	0.25 mile	0

Type of Database/Date	Description of Database/Effective Date	Radius Searched	Number of Sites Identified
RCRIS TSD	Resource Conservation & Recovery Information System treatment, storage, or disposal sites Effective Date – 6/04	0.5 mile	0
CORRACTS	Listing of RCRA facilities that are undergoing corrective action. Corrective actions may be required beyond the facility's boundary and can be required regardless of when the release occurred, even if it predates RCRA. Effective Date – 6/04	1 mile	1
RCRIS Large Quantity Generators	RCRA-regulated hazardous waste generator notifiers list. Effective Date – 6/04	0.25 mile	0
RCRIS Small Quantity Generators	RCRA-regulated hazardous waste generator notifiers list. Effective Date – 6/04	0.25 mile	2
ERNS	EPA's Emergency Response Notification System (ERNS) list contains reported spill records of oil and hazardous substances Effective Date – 12/03	Target Property	0
SHWS	State Hazardous Waste/Superfund permanent list of priorities Effective Date – N/A	N/A	N/A
LUST	List of information pertaining to all reported leaking underground storage tanks Effective Date – 4/04	0.5 mile	15
UST	State underground storage tank sites listing Effective Date – 4/04	0.25 mile	6

The actual subject property was not listed on any database searched by EDR. However, EDR mistakenly listed the PEPCo Buzzard Point Generating Station, located at 1st and V Street SW, as being on the subject property. The generating station appears on the UST, LUST, and RCRIS-SQG databases and is discussed in further detail below.

Comprehensive Environmental Response, Compensation and Liability System (CERCLIS)

There is one site listed in the CERCLIS database that is located within ½ mile of the subject property. The site is identified as Fort McNair and is located at 350 P Street SW (which is approximately 2600 feet northwest of the subject property). The CERCLIS site status is listed as “low” and was first determined to be a CERCLIS site in September of 1980. There is current remediation and monitoring at Fort McNair, but the site is in the apparent downgradient direction from the PEPCo Property. Due to the site's distance from the subject property, it is unlikely that this site would present a potential environmental condition on the subject property.

RCRA Corrective Action Activity (CORRACTS)

One site, the Southeast Federal Center located at 2nd and M Streets SW, is identified on the CORRACTS database as being within 1 mile of the subject property. The site is approximately

¾ mile north of the subject property. The site required the completion of several corrective actions in 1997 and 1998. Based on the distance from the subject property, it is unlikely that this site has created a Recognized Environmental Condition on the subject property.

RCRIS Small Quantity Generators (SQG)

There were 2 small quantity generators of hazardous waste identified on the database that are within ¼ mile of the Property. The closest is the inactive PEPCo Generating Station, located adjacent and upgradient to the subject property to the east. However, there have not been violations of hazardous waste generator requirements and the station has been inactive since 1981. The generating station also appeared on the open LUST database. The site is identified as LUST Case # 93-051, which is the catalyst for the ongoing groundwater remediation project being conducted at the generating station. Detailed information regarding this case is discussed in Section 3.4 and prior reports are included in Appendix A. Based on the adjacent location of the site and the ongoing groundwater remediation that has documented the presence of TPH and BTEX in both the soil and groundwater, it is likely that the generating plant has created a Recognized Environmental Condition on the subject property.

The second SQG site is identified as being the Super Salvage Inc. located at 1711 1st Street SW (approximately 800 feet north of the subject property). During the site reconnaissance, URS observed large amounts of waste debris and scrap metal operations being conducted over bare soils. Although, there have not been any violations involving the Super Salvage, based on the observed site operations, it possible that the site has created a REC on the subject property.

Leaking Underground Storage Tanks (LUST)

The database search identified 15 LUST facilities within a ½ mile radius of the subject property, with 7 of those facilities remaining “open” status (including the abovementioned generating station). A LUST site was identified as the Fort McNair parking lot at 103 3rd Street SW, approximately 1100 feet northwest and upgradient of the subject property. The case is listed as open, but is unlikely to create a REC based on distance and documented groundwater flow.

A LUST site with an open case was also identified at Home Moving & Storage located at 1812 Half Street SW, approximately 500 feet northeast of the subject property. Although there is no documented groundwater flow, due to the site’s proximity to the Anacostia River (located several hundred feet southeast of the LUST Site), it is likely that groundwater for the Home Moving & Storage site would flow southeast towards the Anacostia River and away from the subject property. Therefore, it is unlikely that this LUST site presents a REC on the subject property.

The remaining four “open” LUST sites on the database are greater than ¼ mile northeast of the subject property and are located near the shoreline of the Anacostia River. The groundwater flow at these sites is most likely east-southeast and away from the subject property, and therefore unlikely to create a Recognized Environmental Condition on the subject property.

Underground Storage Tanks (UST)

There are 6 sites located within ¼ mile of the subject property that have registered USTs. The fact that a site is listed on this database does not necessarily indicate an environmental concern, only that the location has UST(s) in place.

Orphan Sites

URS reviewed the Orphan List Sites, which are sites that have not been geocoded based on lack of sufficient data regarding their exact location within the general area. The review of the Orphan List Sites did not identify properties that are likely to create a Recognized Environmental Condition on the subject property.

5.2 REGULATORY AGENCY CONTACT

Local governmental agencies frequently maintain information on sites of environmental concern where the local agency has been consulted, or informed of particular activities. Local agencies, including local fire departments, also maintain records concerning USTs and hazardous materials. URS sent Freedom of Information Act (FOIA) letters to the DC Department of Health, Environmental Health Administration and the DC Fire Department Public Affairs Office to receive any information that these agencies may have available. Responses from the two regulatory agencies were not received by the time this report was prepared. Copies of agency correspondence are provided in Appendix G.

URS conducted a Phase I Environmental Site Assessment of the PEPCo Buzzard Point property, identified as Squares 609 and 611, and comprising a city block bordered by T and V Streets SW and 1st and 2nd Streets SW in Washington DC, to evaluate the potential for a Recognized Environmental Condition to exist on the subject property from onsite or offsite activities. URS' conclusions are presented below.

6.1 ONSITE RECOGNIZED ENVIRONMENTAL CONDITIONS

Based on a review of available information, it is apparent that the subject property has a long history of industrial use. As a result, past activities conducted on the property (i.e. coal storage and fuel supply for the adjacent generating station) are of concern. In particular, potential leaks from the underground pipeline while it was still in use, as well as the pits that may have been oil water separators or were associated with the former underground pipeline in some way, have the potential to create a Recognized Environmental Condition on the subject property.

6.2 OFFSITE RECOGNIZED ENVIRONMENTAL CONDITIONS

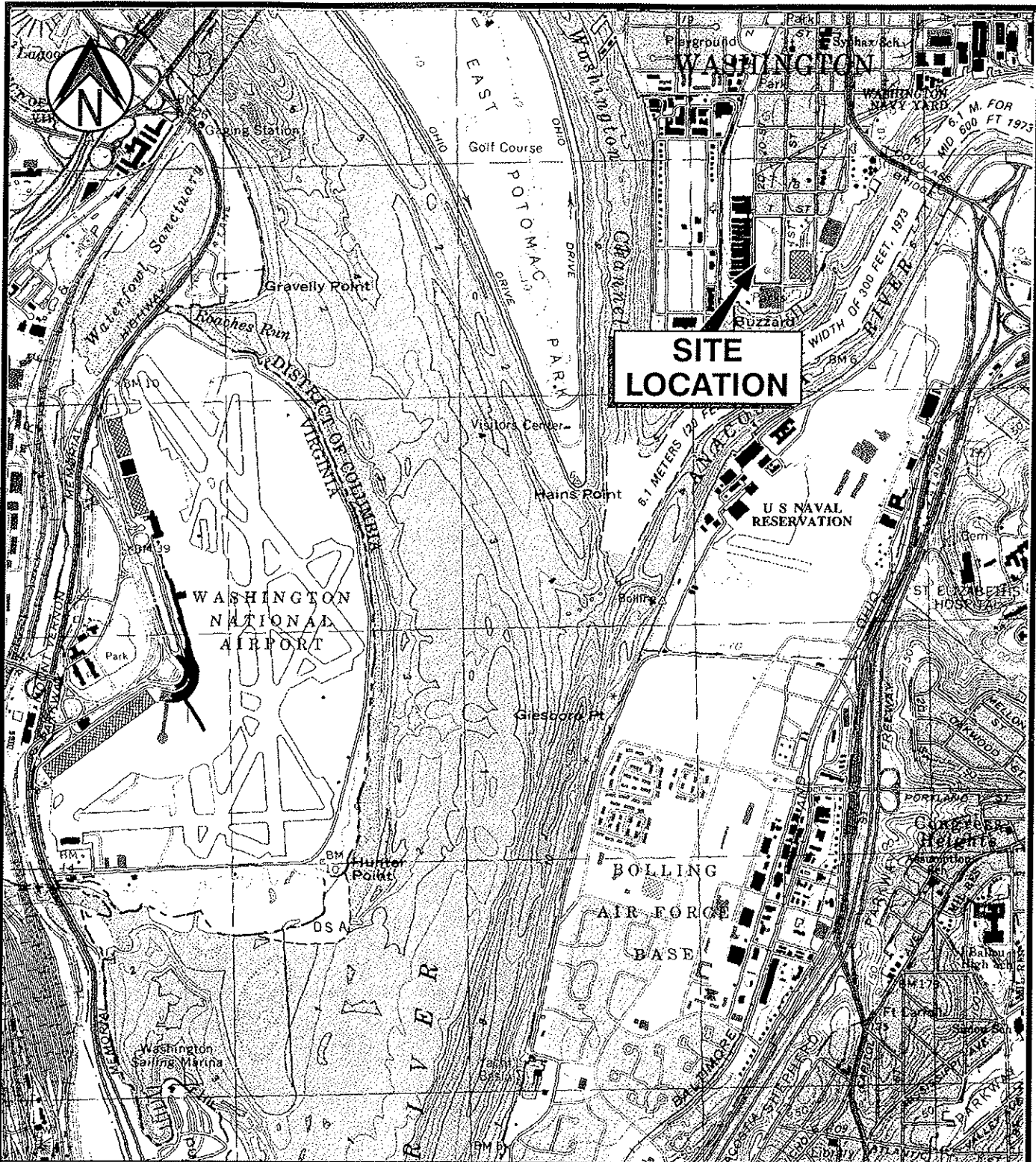
Based on the review of available information, the following offsite properties were identified that are likely to create a Recognized Environmental Conditions on the subject property:

- the inactive PEPCo generating station (adjacent to the east and crossgradient) which is currently undergoing groundwater remediation for an open LUST Case # 93-051; groundwater and soil samples have revealed the presence of TPH and BTEX,
- the former gas station (adjacent to the north and upgradient) which was identified as having TPH contamination in soil after sampling was conducted in 1990,
- the former PEPCo storage yard (located at Q and 2nd Streets SW, three blocks north and upgradient) which was also identified has having TPH contaminants in soil, and
- the Super Salvage scrap yard (located at R and 1st Streets SW, two blocks north and upgradient of the subject property) where large scale waste debris and scrap metal operations were observed being conducted over site soils.

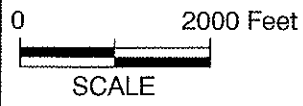
Releases from these sites have the potential to create a Recognized Environmental Condition on the subject property.

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P:\Gaitnersburg\15296734-01000-PEPCO\PEPCO BUZZARD 1.CDR (09/23/04) SS



SOURCE: U.S.G.S. 7.5' Series quad.: Alexandria, VA, 1965, photorevised 1983.

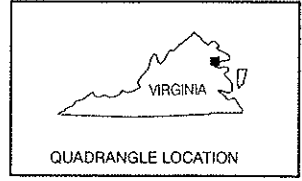


FIGURE 1
SITE LOCATION MAP
PEPCO-BUZZARD POINT
2nd ST SW/V ST SW
WASHINGTON, D.C.





PARKING LOT

Ft. McNAIR
OFFICE
BUILDING

SUPER SALVAGE

PEPCO # 2
OIL TANK YARD

S STREET SW

STORAGE
BUILDING

PARKING LOT
(FORMER GAS STATION)

PEPCO GAS
COMBUSTION TURBINE
YARD

T STREET SW

1 POLE-MOUNTED
TRANSFORMER

MAINT.
STORAGE

SECURITY
BOOTH

SECURITY
BOOTH

PAVED
PARKING
LOT

1 POLE-MOUNTED
TRANSFORMER

DIKE

SHED

PITS

AST
(RETIRED)

(INACTIVE) PEPCO
GENERATING
STATION

2nd STREET SW

1st STREET SW

V STREET SW

JAMES CREEK
MARINA

US COAST GUARD
HEADQUARTERS
OFFICE BUILDING

VACANT,
VEGETATED LOT

NOT TO SCALE

FIGURE 2
SITE PLAN
PEPCO-BUZZARD POINT
2nd ST SW/V ST SW
WASHINGTON, D.C.

Advantage **E**nvironmental
Consultants, LLC

PHASE I ENVIRONMENTAL SITE ASSESSMENT

**Buzzard Point
2nd Street and V Street, SW
Washington, DC 20024**

**AEC Project No. 05-099
June 10, 2005**

Prepared for:

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- Appendix G – Regulatory Records Documentation
- Appendix H – Prior Environmental Reports
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1.0 Executive Summary

1.1 Summary and Findings

Advantage Environmental Consultants, LLC (AEC) has conducted a Phase I Environmental Site Assessment (ESA), in conformance with the scope and limitations of ASTM Practice E 1527-00, of the property referred to as Buzzard Point in southwest Washington, DC (hereinafter referred to as the "Site"). Any exceptions to, or deletions from, this practice are described in Section 2.3 of this report.

The Site consists of an approximately 384,051 square foot area that is bound by S Street, SW to the north, 1st Street, SW to the east, V Street, SW to the south, and 2nd Street, SW to the west in Washington, DC. T Street, SW transects the Site, and divides it into a small northern lot and a larger southern lot. The real estate designation for the northern Site lot is Square 607, Lot 13, and the designation for the southern Site lot is Square 609, Lot 804, and Square 611, Lots 19 and 810. Currently, the Site is used as two fenced parking lots; however, the Site has been owned by the Potomac Electric Power Company (PEPCO) since 1929, and was formerly used as a coal storage yard, a vehicle fueling area, a bulk #6 fuel oil storage facility, and an equipment storage area for the eastern adjacent decommissioned PEPCO Buzzard Point Generating Station (herein referred to as the "Generating Station").

Improvements to the Site include a prefabricated metal building and storage trailers at the northern Site lot and an unused bulk #6 fuel oil above-ground storage tank (AST), the associated fire fighting foam house, and a small storage shed at the southern Site lot. Guard stands are located at the entrances to both parking lots, and additional improvements at the Site include parking medians, light poles, and landscaping. The Site is leased from PEPCO to the US government for vehicle storage. This Phase I ESA was performed for financing purposes, to document any known contaminants, and discover the existence of any unknown contaminants at the Site.

The following summarizes the independent conclusions representing AEC's best professional judgment based on available information.

Historical Use Information

The review of historical resources indicated that the southern Site lot was used as a coal storage yard from the late 1920s until the Generating Station began using fuel oil to power the station in 1968. From 1968 until the Generating Station was decommissioned in 1981, the southern Site lot was used by PEPCO for bulk fuel storage and leased to W.A. Chester, Inc. for use as a vehicle and equipment maintenance and storage lot. An underground pipeline installed beneath 1st Street, SW was used to connect the 1.9-million gallon AST at the Site to the Generating Station.

The northern Site lot appeared to have been used for vehicle fueling and storage by PEPCO from the late 1960s until 1993. On-site Underground Storage Tanks (USTs) (one 6,000-gallon gasoline, one 6,000-gallon diesel fuel and one 20,000-gallon gasoline) were removed in 1988 and 1993.

Adjoining Properties

The Site is situated in a medium-density, mixed commercial, industrial, and government-use area of southwest Washington DC that is referred to as Buzzard Point. The area consists of several properties owned by the Potomac Electric Power Company, including the Site, the decommissioned Generating Station and active gas-fired combustion turbine yard (CT Yard), and a former PEPCO #2 fuel oil storage facility. Additional adjacent properties include a scrap metal yard, a US military fort, a US Coast Guard headquarters building, and two marinas. Potential environmental concerns were identified at four of the surrounding properties.

- **PEPCO Buzzard Point Generating Station**

The Generating Station, located approximately 35 feet east across 1st Street from the Site, was identified in four separate Leaking Underground Storage Tank (LUST) cases, one of which remains open (LUST Case No. 93-051). In the early 1970s, a release was reported from a four-inch diameter underground pipeline that connected the CT Yard of the Generating Station to the two, 0.411-million gallon #2 fuel oil ASTs located north across S Street from the CT Yard. The release was repaired, and one 15" diameter monitoring well was subsequently installed in the vicinity of the pipeline leak. Significant petroleum (gasoline and diesel) contamination was discovered in soil and groundwater at the CT Yard portion of the Generating Station property in 1993. A total of 21 monitoring wells (MWs) were installed in the vicinity of the CT Yard and the #2 fuel oil ASTs. Two monitoring wells were also installed at the Site in the area of the former vehicle fueling station. Both soil and groundwater samples revealed the presence of Total Petroleum Hydrocarbon (TPH) Gasoline-Range Organics (GRO), Diesel Range Organics (DRO), and Benzene, Toluene, Ethyl benzene and Xylene (BTEX). In addition, the majority of the MWs located in the CT Yard and north adjacent bulk fuel storage area have historically contained liquid-phase hydrocarbon (LPH). Groundwater flow direction has been documented at this property to be west and southwest, towards the Site.

PEPCO installed a soil vapor extraction (SVE) system in the CT Yard and at the southern portion of the north adjacent bulk fuel storage area in January 1996, and operated the system through November 1999. From May 2001 to April 2002, a portable high vacuum pump and treat system was used to recover LPH at this property. The wells and groundwater vacuum monitoring points (GVPs) appear to have been monitored monthly from January 2003 through July 2004, with semi-annual sampling events. Groundwater sampling data for this property that was dated March 8, 2004 indicated that groundwater contaminants in the three downgradient wells were below Maximum Contaminant Levels and/or DC Water Quality Standards for BTEX and TPH GRO and DRO, while levels of these constituents remained above the applicable regulatory standards in remaining MWs

and GVPs. Currently, only passive remediation with absorbent booms and monitoring is ongoing at the Generating Station property.

The Generating Station was also identified on the Resource Recovery and Conservation Small Quantity Generator (RCRA SQG) database twice, and on the UST database.

- **Super Salvage, Inc.**

The Super Salvage, Inc. property, located approximately 35 feet north of the Site, was listed on the RCRA SQG, LUST and UST databases. In addition, AEC observed operations at the facility to include the storage of metal scraps and debris on property soils, and historical research indicated that the Super Salvage, Inc. facility has been located adjacent to the Site since the 1960s. Violations were not reported on the RCRA SQG listing, and the LUST case has been granted closure. The UST listing stated that one 2,000-gallon UST was permanently out of use.

- **US Army Fort McNair**

Fort McNair is a large US Army fort that is located west of the Site. This facility was listed on the Comprehensive Environmental Response, Compensation and Liability System (CERCLIS) database in association with the address 350 P Street, SW. The listed address is located approximately 2,000 feet northwest of the Site and appears to be downgradient. The listing indicated that the site status has been categorized as "low," and the facility has been listed on the CERCLIS database since 1980. The listing also indicated that lead cleanup is ongoing. Based on distance, gradient, site status and ongoing cleanup activities, the CERCLIS listing does not appear to represent a concern.

Fort McNair was also listed on the LUST database three times; however, based on distance and the documented west and southwest groundwater flow direction in the vicinity of the Site, AEC does not consider the LUST listings associated with Fort McNair to be a concern.

- **James Creek Marina**

The James Creek Marina, located approximately 50 feet southwest and downgradient, was listed on the LUST and the UST databases. The LUST listing indicated that the case has been granted closure. The UST listing stated that one 10,000-gallon gasoline UST and one 10,000-gallon diesel fuel UST were currently in use, and one 2,000-gallon gasoline UST was permanently out of use. Based on the status of the LUST case and the downgradient location of this facility, it does not appear that the James Creek Marina is a concern to the Site.

Hazardous Substances

AEC did not observe any hazardous substances in connection with identified uses at the Site.

Waste Generation, Storage, and Disposal

No indications of waste generation, storage, or disposal were noted on the Site as it is used as two parking lots.

Storage Tanks

One 1.9-million gallon bulk fuel AST is located at the southern portion of the Site. Historically, the AST and an associated underground pipeline were used to provide #6 fuel oil from the AST to the adjacent Generating Station from the late 1960s until the Generating Station was decommissioned in 1981. No information regarding releases from the AST or pipeline is known.

In addition, a fueling station was historically located at the northern portion of the Site. Two 6,000-gallon and one 20,000-gallon USTs were installed at the Site for the storage of gasoline and diesel fuel from the late 1960s until 1993. A LUST Case was associated with the 20,000-gallon UST due to the discovery of petroleum impact to groundwater at the Site during removal of the UST. The LUST Case was granted regulatory closure in May of 1994; however, further soil and groundwater investigation of this area was included as an addendum to a *Comprehensive Site Assessment* report that was being prepared for the adjacent Generating Station. Groundwater contamination was

AEC considers the historic use of the bulk fuel AST, pipeline, and former USTs at the Site to be recognized environmental conditions.

Polychlorinated Biphenyls (PCBs)

AEC observed fluorescent light fixtures on poles installed throughout both Site lots. In 1979, the USEPA banned the manufacture and sale of PCBs. Based on the reported date of construction of the parking lot (after 1988), ballasts associated with the fluorescent light fixtures are unlikely to contain PCBs.

AEC did not identify additional equipment that would be suspected to contain PCBs at the Site.

Regulatory Review

UST and LUST listings associated with the Site were discussed in the Storage Tanks Section of this Executive Summary. Other than those listings discussed in the Adjacent Properties section of this Executive Summary, no regulatory database-listed properties were identified as potential concerns to the Site.

1.2 Recommendations

AEC has conducted a Phase II subsurface investigation of the Site concurrently with this Phase I assessment to determine the current condition of on-site soils and groundwater. The results of the Phase II investigation will be provided to the Client under separate cover. As such, AEC has no further recommendations.

2.0 Introduction

2.1 Purpose

The purpose of this Phase I Environmental Site Assessment (ESA) is to provide a professional opinion on the presence of recognized environmental conditions and other potential environmental conditions in connection with the Site, as they existed on the date of the site inspection, and to recommend whether further investigation is required. The American Society for Testing and Materials (ASTM) Standard Practice E 1527-00, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, defines good commercial and customary practice for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants pertinent to the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), as well as petroleum products. As such, this ESA is intended to satisfy one of the requirements that permit the user to qualify for the innocent landowner defense to CERCLA liability. In other words, this ESA represents one of the practices that constitute "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in 42 USC Section 9601(35)(B).

The goal of the process is to identify recognized environmental conditions, which are defined by the Practice as "the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of release of any hazardous substances or petroleum products into the structures on the property or into the ground, groundwater or surface water of the property". The term *recognized environmental condition* includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

2.2 Scope of Services

This assessment was conducted in accordance with generally accepted Phase I industry standards using ASTM Standard Practice E 1527-00 and AEC Proposal Number 05-102. The following services were provided for this assessment:

- An evaluation of information contained within Federal and State environmental databases, and other local environmental records, within specific search distances.
- An evaluation of past Site uses through a review of reasonably ascertainable standard historical sources such as chain-of-title information, historical maps, city directories, aerial photographs, prior environmental reports, and interviews with knowledgeable persons.

- A qualitative evaluation of the physical characteristics of the Site through a review of published topographic, geologic, hydrogeologic, wetland, and flood plain maps; published groundwater data; and area observations to characterize surface water flow in the Site area.
- An evaluation of current Site conditions including, but not limited to, a search for the following items including: underground storage tanks (above or below ground); potential PCB-containing electrical equipment; hazardous materials and petroleum products generation; treatment, storage, or disposal of hazardous, regulated, or medical wastes.
- The preparation of a Phase I ESA report, which represents the findings from the studies of the items described above and provides conclusions and recommendations based on the information gathered above and provided by the Client.

2.3 Limitations and Exceptions

This Phase I ESA was conducted in accordance with ASTM guidelines for the performance of Phase I Environmental Site Assessments. No other warranties, either express or implied, are made by AEC. AEC's evaluations, analyses, and opinions should not be taken as representations regarding subsurface conditions or the actual value of the Site. Subsurface conditions may differ from the conditions implied by the surficial observations, and can only be reliably evaluated through intrusive techniques.

Documentation and data provided by the Client, designated representatives of the Client, or other interested third parties, or from the public domain, and referred to in the preparation of this assessment, are assumed to be complete and correct and have been used and referenced with the understanding that AEC assumes no responsibility or liability for their accuracy. AEC's conclusions are based upon such information and documentation and on our observations of Site conditions, as they existed on the date of the site inspection. Since Site conditions may change significantly over a short period of time and additional data may become available, data reported and conclusions drawn in this report are limited to current conditions and may not be relied upon on a significantly later date.

Reasonable efforts have been made during this assessment to uncover evidence of USTs, ASTs, and ancillary equipment associated with these tanks. "Reasonable efforts" are limited to information gained from visual observation of unobstructed areas, recorded database information held in public record, and available information gathered from interviews. Such methods may not identify subsurface equipment that may have been hidden from view due to snow cover, paving, dense vegetation, construction or debris pile storage, or incorrect information from sources.

This investigation was not an environmental compliance audit. While some observations and discussion in this report may address conditions and/or operations that may be

regulated, the regulatory compliance of those conditions and/or operations is outside the scope of this investigation.

Nothing in this report constitutes a legal opinion or legal advice. For information regarding specific individual or organizational liability, AEC recommends consultation with independent legal counsel.

2.4 User Reliance

This report is intended exclusively for the use and benefit of the Client identified on the first page of this report.

This report is not for the use or benefit of, nor may it be relied upon by, any other person or entity for any purpose without the advance written consent of AEC. AEC makes no representation to any third party except that it has used the degree of care and skill ordinarily exercised by a reasonable prudent environmental professional in the same community and in the same time frame given the same or similar facts and circumstances. No other warranties are made to any third party, either express or implied.

3.0 Site Description

3.1 Location and Legal Description

The Site is bound by S Street, SW, 1st Street, SW, V Street, SW and 2nd Street, SW in Washington, DC. According to the Fares 2004 DC Assessment Directory, the Site is described as Square 607, Lot 13; Square 609, Lot 804; and Square 611, Lots 19 and 810. The Site comprises a total of 384,051 square feet of area. A Site Vicinity Map is included as Appendix A.

3.2 Zoning Information

Zoning information was obtained from the District of Columbia Office of Zoning's website <http://www.dcoz.dcgov.org/info/map.shtm>. According to the on-line zoning map, dated July 29, 2003, the Site is Zoned M (General Industry). The M zoning "permits general industrial uses to a maximum FAR of 6.0, and a maximum height of ninety (90) feet with standards of external effects and new residential prohibited."

AEC notes that a real estate offering document prepared by Cassidy & Pinkard and dated March 2005 indicated that the Site is zoned CG/CR. According to the document, the Zoning Commission for DC adopted the Map Amendment and Overlay District at Buzzard Point-Capital Gateway (GC), which created new zoning throughout much of the Site vicinity.

3.3 Characteristics of the Site and Surrounding Properties

The Site is situated in a medium-density, mixed industrial, commercial, and government-use area of southwest Washington DC that is referred to as Buzzard Point. The area consists of several properties owned by the Potomac Electric Power Company, including the Site, the decommissioned Generating Station and active gas-fired combustion turbine yard (CT Yard), and a former bulk #2 fuel oil storage facility. Remaining adjacent properties include a scrap metal yard, a US military fort, a US military headquarters building, and two marinas. Additional industrial and commercial business are located further north and east of the Site and the Anacostia River is present approximately 330 feet southeast and south of the Site. Detail regarding the immediately surrounding properties is provided in Section 3.6.

The Site is currently developed as two fenced, asphalt-paved parking lots that are separated by T Street, SW. The smaller northern Site lot is developed with a prefabricated metal building and a few storage trailers. The larger southern Site lot is developed with a bulk fuel AST, an associated fire fighting foam shed and a small storage shed. Guard stands are located at the parking lot entrances. Additional Site developments include parking medians, light poles, and landscaping. A copy of the Site Map is included as Appendix B.

3.4 Current Use of the Site

The Site consists of two, fenced, asphalt-paved parking lots that are both leased by PEPCO to the US Government for vehicle storage. The prefabricated building that exists at the northwestern portion of the northern lot is also leased and used by the US Government. AEC was not provided with access to this building for security reasons and the interviewed PEPCO employees did not know details regarding the specific use of this building by the government. The on-site trailers appeared to be used for storage. A 1.9-million gallon #6 fuel-oil AST and an associated fire fighting foam house that were previously used by PEPCO were present at the southern portion of the southern Site lot. The AST and an underground pipeline connecting the AST to the Generating Station have not been used by PEPCO since 1981. The fire fighting foam house was reportedly still operable as of 1995. A small storage shed that is used to store parking lot maintenance equipment (i.e., brooms, landscaping equipment, salt, etc.) was located at the northeastern portion of the southern parking lot.

3.5 Description of Improvements

The Site is improved with a prefabricated building, the bulk fuel storage AST and associated fire fighting foam house, a storage shed and trailers, and asphalt-paved parking areas.

- **Source of Potable Water**

Potable water in the vicinity of the Site is provided by the District of Columbia Water and Sewer Authority (WASA). According to a representative of the Army Corps of Engineers, who supplies the public drinking water supply for WASA, all water supplied to the District meets or exceeds local, state, and federal Environmental Protection Agency (EPA) drinking water quality standards.

- **Sewage Disposal**

Public sanitary sewer service is provided in the vicinity of the Site by the Washington Area Sewer Authority (WASA). The Site does not use a private septic system.

- **Site Plan**

A Site Plan is included as Appendix B.

3.6 Current Uses of Adjoining Properties

The area surrounding the Site consists of a mix of industrial, commercial and US government properties. The following table identifies the adjacent property uses.

Direction	Adjoining Property Use
North	The Site is bordered to the north by S Street, SW, followed by the Super Salvage, Inc. metal scrap yard. A former PEPCO #2 fuel oil storage facility with two 0.411-million gallon bulk fuel storage ASTs are located northeast of the Site.
East	The Site is bordered to the east by 1 st Street, SW, followed by the decommissioned Generating Station and active CT Yard.
South	The Site is bordered to the south by V Street, SW, followed by the US Coast Guard headquarters building. The James Creek Marina and the Buzzard Point Marina are located southwest and southeast of the Site, respectively, along the bank of the Anacostia River.
West	The Site is bordered to the west by US Army Fort McNair. A portion of US Army Fort McNair was under construction during the Site reconnaissance.

Potential environmental concerns were identified at the following surrounding properties. Specific information was obtained for these properties from listings in the regulatory database report reviewed for this assessment (Sections 5.0), as well as prior reports and interviews. Potential concerns are discussed as follows:

PEPCO Buzzard Point Generating Station

The Generating Station, located approximately 35 feet east across 1st Street from the Site, was identified in four separate LUST cases, one of which remains open (LUST Case No. 93-051). A file review at the DC DOH revealed that in the early 1970s, a release was reported from a four-inch diameter underground pipeline that connected the CT Yard of the Generating Station to the two, 0.411-million gallon #2 fuel oil ASTs located north across S Street from the CT Yard. The release was repaired, and one 15" diameter monitoring well was subsequently installed in the vicinity of the pipeline leak. Significant petroleum (gasoline and diesel) contamination was discovered in soil and groundwater at the CT Yard portion of the Generating Station property in 1993. Initial assessments of the contamination revealed TPH concentrations ranging from 881 milligrams per kilogram (mg/kg) to 30,700 mg/kg. A total of 21 monitoring wells (MWs) were installed in the vicinity of the CT Yard and the north adjacent bulk fuel ASTs, and two monitoring wells were also installed at the Site in the area of the former vehicle fueling station. The MWs were installed between May 1993 and January 1995. Both soil and groundwater samples revealed the presence of TPH GRO, DRO, and BTEX. In addition, the majority of the MWs located in the CT Yard and north adjacent bulk fuel storage area have historically contained LPH. Groundwater flow direction has been documented at this property to be west and southwest, towards the Site.

PEPCO installed a SVE system in the CT Yard and at the southern portion of the bulk fuel storage area in January 1996, and the system was in operation through November 1999. The SVE system reportedly removed approximately 6,925 gallons of petroleum. From May 2001 to April 2002, a portable high vacuum pump and treat system was used to recover LPH from two of the most contaminated wells (MW-5 and MW-11). The pump and treat system removed an estimated 1.5 gallons of groundwater and 1,350 gallons of petroleum from these wells. The wells and/or groundwater vacuum monitoring points (GVPs) have been monitored monthly since 1993, with semi-annual sampling events. Results have been reported to the DC DOH in quarterly reports.

Groundwater sampling data for the Generating Station property that was dated March 8, 2004 indicated that groundwater contaminants in the three downgradient wells were below Maximum Contaminant Levels and/or DC Water Quality Standards for TPH GRO, TPH DRO and BTEX, while levels of these constituents remained over the applicable regulatory standards in remaining MWs and GVPs. Currently, only passive remediation with absorbent booms and monitoring is ongoing at the Generating Station property.

The Generating Station was also identified on the RCRA SQG database twice, and on the UST database. The RCRA SQG database listings were associated with the generation of waste cadmium, lead and mercury, and did not include reported violations. The UST listing indicated that two 4,000-gallon used oil USTs were reported to be currently in use, and the following USTs were listed as permanently out of use: two 10,000-gallon heating oil USTs, four 2,000-gallon used oil USTs, one 2,000-gallon gasoline UST, and one 500-gallon hazardous substance UST.

Based on the historic presence of significant quantities of LPH in soil and groundwater at the adjacent Generating Station and the documented groundwater flow direction, this property is considered to be a concern to the Site.

Referenced prior environmental reports obtained through the DC DOH file review regarding LUST Case No. 93-051 included the following reports:

- *Comprehensive Site Assessment, PEPCO Buzzard Point Station (CSA)*, prepared by TPH Technology, Inc. (TPH Inc.), dated August 11, 1993 (Executive Summary only)
- *Corrective Action Plan, Remedial Specifications and Implementation Details, Buzzard Point Generating Station (CAP)*, prepared by TPH Inc., dated March 10, 1995
- *Progress Report, LUST Case #93-051 – Buzzard Point Station*, prepared by PEPCO, dated June 7, 2002
- *Progress Report, LUST Case #93-051 – Buzzard Point Station*, prepared by PEPCO, dated August 19, 2004

Super Salvage, Inc.

The Super Salvage, Inc. property, located approximately 35 feet north of the Site, was listed on the RCRA SQG, LUST and UST databases. In addition, AEC observed operations at the facility to include the storage of metal scraps and debris on property soils, and historical research indicated that the Super Salvage, Inc. facility has been located adjacent to the Site since the 1960s. Violations were not reported on the RCRA SQG listing. The LUST case has been granted regulatory closure. The UST listing stated that one 2,000-gallon UST was permanently out of use at this property. While regulatory listings do not indicate an obvious environmental concern, the long term use of this property as a scrap yard has the potential to create a recognized environmental condition.

US Army Fort McNair

Fort McNair is a large US Army fort that is located west of the Site. This facility was listed on the Comprehensive Environmental Response, Compensation and Liability System (CERCLIS) database in association with the address 350 P Street, SW. The listed address is located approximately 2,000 feet northwest of the Site and appears to be in a downgradient location from the Site. The CERCLIS listing indicated that the site status has been categorized as "low," and the facility has been listed on the CERCLIS database since discovery in 1980. The listing also indicated that lead cleanup is ongoing at this facility. Based on distance, gradient, site status and ongoing cleanup activities, the CERCLIS listing does not appear to represent a concern.

Fort McNair was also listed on the LUST database three times. Two of the LUST cases were listed as open cases while the third case has been granted regulatory closure. The two open LUST listings specify the location of the LUSTs as the Fort McNair parking lot, at 103 3rd Street, SW. This location is approximately 700 feet northwest of the Site. There is no indication of the capacity or contents of the LUSTs, and Fort McNair was not listed on the UST database. However, based on distance and the documented west and southwest groundwater flow direction in the vicinity of the Site, AEC does not consider any of the LUST listings associated with Fort McNair to be a concern.

James Creek Marina

The James Creek Marina, located approximately 50 feet southwest and downgradient of the Site, was listed on the LUST and the UST databases. The LUST listing indicated that the case has been granted regulatory closure. The UST listing stated that one 10,000-gallon gasoline UST and one 10,000-gallon diesel fuel UST were currently in use at this property, and one 2,000-gallon gasoline UST was permanently out of use. Based on the regulatory status of the LUST case and the downgradient location of this facility, it does not appear that the James Creek Marina is a concern to the Site.

Specific concerns were not noted for the remaining surrounding properties.

4.0 User Provided Information

4.1 Reason for Performing Phase I ESA

According to Mr. Dodd Walker, of the John Akridge Companies, Inc., the Client retained AEC to conduct this Phase I ESA for financing purposes, to document any known contaminants, and discover the existence of any unknown contaminants at the Site.

4.2 Specialized Knowledge

Mr. Walker provided two previous environmental reports to AEC that documented on-site soil and groundwater contamination.

4.3 Valuation Reduction for Environmental Issues

Mr. Walker had no knowledge of value reduction of the Site for environmental issues.

4.4 Title Records

Title records were not provided to AEC; however, interview information indicated that PEPCO has owned the Site since the late 1920s.

4.5 Environmental Liens or Activity and Use Limitations

Mr. Walker was not aware of any environmental liens or activity or use limitations that are related to environmental issues at the Site.

4.6 Owner, Property Manager, and Occupant Information

The current owner of the Site is PEPCO. The Site is leased and occupied by the US Government.

5.0 Records Review

AEC reviewed Federal and State environmental databases provided by Environmental Data Resources, Inc. (EDR) of Milford, Connecticut, for information pertaining to documented and/or suspected releases of regulated hazardous substances and/or petroleum products within specified search distances.

AEC also reviewed the unmappable sites listed in the environmental database report by cross-referencing addresses and site names. Unmappable ("orphan") sites are sites that cannot be plotted with confidence, but can be located by zip code or city name. In general, a site cannot be mapped because of inaccurate or missing location information in the record provided by the regulatory agency. Any unmappable sites that AEC identified within the specified search radii are included and discussed in the corresponding database sections.

5.1 Federal Database Reviews

National Priorities List (NPL)

The National Priorities List (Superfund) is the EPA's database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund Program. This database was last updated April 28, 2005.

- Neither the Site nor any properties within one mile of the Site are listed on the Federal NPL.

Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)

The CERCLIS List is a compilation of known and suspected uncontrolled or abandoned hazardous waste sites which are, or were, under investigation by the EPA but have not been elevated to the status of a Superfund (NPL) site. This database was last updated February 15, 2005.

- The Site was not listed on the CERCLIS database.
- US Army Fort McNair was listed on the CERCLIS database. This facility was previously discussed in Section 3.6 of this report.

Resource Conservation and Recovery Information System (RCRIS)

The USEPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal.

RCRIS Treatment, Storage, and Disposal (TSD) Facilities

The RCRIS-TSD database is a compilation by the USEPA of reporting facilities that transport, treat, store, or dispose of hazardous waste. This database was last updated on March 13, 2005.

- Neither the Site nor any properties within one-half mile of the Site were identified on the RCRIS-TSD database.

RCRIS CORRACTS

The RCRIS CORRACTS database identifies TSD facilities that have conducted, or are currently conducting, corrective actions as regulated under RCRA. This database was last updated on March 29, 2005.

- The Site was not listed on the RCRIS CORRACTS database.
- The Southeast Federal Center at 2nd and M Street, SW, was listed on the CORRACTS database. This facility is located over 3,000 feet from the Site. The listing indicated that this facility required corrective actions from 1997 through 2004; however, based on distance, the CORRACTS listing does not appear to represent a concern to the Site.

RCRIS Generators

The RCRIS Generator database tracks large and small quantity generators (SQG) of hazardous waste. This database was last updated on March 13, 2005.

- The Site was not listed on the RCRIS database of hazardous waste generators.
- A total of three RCRIS SQGs were identified within one-quarter mile of the Site. Listings associated with the adjacent PEPCO Buzzard Point Generating Station and Super Salvage, Inc. facilities were previously discussed in Section 3.6.
- The Steuart Petroleum Company South Capital Terminal, located at 1721 South Capital Street was also identified on the RCRIS SQG and LUST databases. In addition, Steuart Investment Company was identified on the LUST database at 1724 South Capital, SE. It is not clear whether these addresses refer to portions of the same Steuart facility; however, previous reports have indicated that a Steuart fuel terminal was formerly located east of the northeast adjacent PEPCO bulk fuel storage facility, approximately 800 feet northeast of the Site. One of the Steuart LUST listings has been granted regulatory closure, while the remaining LUST case

appears to have been open since 1987. The RCRIS SQG listing indicated that the facility had two reported violations; however both list compliance dates. The prior CSA report that was reviewed during the DC DOH file review identified the Steuart facility as a possible source for contamination at the PEPCO CT Yard; however, based on distance and the intervening groundwater remediation activities that have been conducted at the Generating Station, AEC does not consider the former Steuart facility to be an immediate concern to the Site.

RCRIS Administrative Action Tracking System (RAATS)

The RAATS database maintains records of enforcement actions issued under RCRA for major violators. This database was last updated on April 17, 1995.

- The Site was not listed in the RAATS database.

Emergency Response Notification System (ERNS) Database

The ERNS is a national database used to collect information on reported releases of oil or hazardous substances. ERNS is now part of the National Response Center (NRC) database. This database was last updated December 31, 2004.

- The Site is not listed in the ERNS database.

5.2 State Database Reviews

State Hazardous Waste Sites (SHWS):

The District of Columbia does not maintain a SHWS database. Such cases are maintained on the CERCLIS database, which was previously discussed.

Solid Waste Facilities/Landfill Sites (SWF/LF)

The District of Columbia does not maintain a SWF/LF database as the District does not have landfills.

Leaking Underground Storage Tanks (LUST)

The District of Columbia's LUST database is a list of petroleum release cases monitored by the DC DOH. This database was last updated January 6, 2005.

- The Site was listed in the LUST and the UST databases. These listings are discussed in the following Section 6.5 of this report.
- A total of 13 additional LUST listings were associated with facilities within one-half mile of the Site. Four of these listings were associated with adjacent properties, and

were previously discussed in Section 3.6 of this report. The two LUST listings associated with Steuart Petroleum and Steuart Investment Company were previously discussed in the RCRIS SQG subsection of this report.

- The Home Moving and Storage facility at 1812 Half Street, SW, approximately 500 feet northeast of the Site, was included on the LUST database. Groundwater flow in this specific area has not been documented; however, due to this facility's proximity to the Anacostia River, it is likely that groundwater flow would be towards the southeast. As such, AEC does not consider this facility to be a concern.
- The remaining six LUST cases are not considered likely to impact the Site based on topographic relationship, distance, and/or regulatory status (i.e., closed case).

Underground Storage Tanks (USTs)

This database lists registered USTs that are regulated under Subtitle I of the RCRA and must be registered with the State department responsible for administering the UST Program. This database was last updated January 6, 2005.

- The Site was listed twice on the UST database in association with the former use of the northern Site lot as a vehicle fueling area. These listings are discussed in the following Section 6.5 of this report.
- Three UST listings were associated with adjacent properties and were discussed in Section 3.6 of this report.
- None of the remaining UST listings were considered to be a concern to the Site based on the lack of reported releases or the closed status of an associated LUST case, and/or the indication that the USTs have been permanently removed.

Voluntary Cleanup Program (VCP) Sites

The VCP database oversees owner or developer initiated voluntary remediation of contaminated lands and buildings that return actual or potentially contaminated properties to productive uses. This database was last updated March 1, 2004.

- Neither the Site nor any properties within one-half mile of the Site were identified on the VCP database.

5.3 Local Regulatory Agency Research

The following local regulatory agency review was conducted to obtain any environmentally significant information concerning the Site that may be readily available.

5.3.1 County/Local Health Department

A file review was conducted at the DC DOH under the FOIA. A copy of AEC's request letter is included in Appendix F. Information gained from the file review is included in Sections 3.6 of this report.

5.3.2 County/Local Fire Department

As required by the agency, AEC has submitted a written request under the Freedom of Information Act (FOIA) to the D.C. Fire & EMS Department in order to obtain any environmentally significant information concerning the Site. At the time of completion of this report, a response from this agency remained outstanding. Upon receipt and review, AEC will forward any pertinent information to the Client. A copy of AEC's request letter is included in Appendix F.

5.3.3 Department of Planning and Zoning

As previously noted, according to the on-line zoning map, the Site is zoned M (General Industry); however, a real estate offering document prepared by Cassidy & Pinkard, dated March 2005, indicated that the Site is zoned CG/CR. According to the referenced document, the Zoning Commission for DC adopted the Map Amendment and Overlay District at Buzzard Point-Capital Gateway (GC), which created new zoning throughout much of the Site vicinity.

5.4 Physical Setting Sources

The following physical setting sources were reviewed to provide information about the topographic, hydrologic, geologic and/or hydrogeologic characteristics of the Site.

5.4.1 Topography and Hydrology

USGS Topographic Quadrangle

AEC reviewed a copy of the United States Geological Survey (USGS) 7.5 Minute Series, Alexandria, Virginia Topographic Quadrangle map dated 1994. According to the map, the elevation of the Site is approximately 14 feet above mean sea level (msl). The area on and around the Site is relatively level, with the natural topographic gradient across the Site being south-southwest. The Site was illustrated with the prefabricated building at the northern Site boundary, an apparent access road from T Street, SW onto the northern Site lot, and the bulk fuel storage AST at the southern portion of the southern Site lot. No surface bodies of water were illustrated on the Site.

A copy of the topographic map is included as Appendix A.

Hydrology/Storm Water Management

Surface drainage at the Site flows into the stormwater drains located at the edges of the parking lots, which discharge to the municipal storm sewer. AEC did not observe evidence of vegetative stress or other evidence of environmental impairment on the Site.

No evidence of surface impoundments, ponds, lagoons, drywells, irrigation wells, injection wells, water supply wells, or storm water management systems was observed on the Site on the date of the site inspection. Two pits are located adjacent to the bulk fuel storage AST, at the southeastern portion of the Site. The function or purpose of the pits could not be ascertained during the Site inspection, and Mr. Shahid Anis indicated that he had no knowledge of the previous function or purpose associated with the pits. The pits were inspected on the date of the site reconnaissance and were found to contain water. No evidence of a petroleum sheen or odor was noted. In addition, water samples that were collected from the pits during the course of the previous URS *Limited Subsurface Investigation*, dated March 22, 2005, were non-detect for both TPH GRO and TPH DRO. Based on AEC's observations of the water in the pits and the previous non-detect laboratory results, it does not appear that they have contributed to recognized environmental conditions at the Site at this time.

Wetlands

According to wetlands data obtained from National Wetlands Inventory (NWI) maps presented in the regulatory database report reviewed for this assessment, no wetlands were illustrated on the Site, and very little wetlands were associated with the bank of the Anacostia River, located south and southeast of the Site.

Flood Zone

According to the EDR database report which contains Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) information, 100-year flood zones are located south and southwest of the Site, and 500-year flood zones appear to extend along the southeastern portion of the eastern Site boundary, and north from the Anacostia River through the west adjacent Fort McNair property. A copy of the database report is provided in Appendix G.

5.4.2 Soils

According to the Soil Survey of District of Columbia prepared by the United States Department of Agriculture Soil Conservation Service as obtained from the website <http://www.sawgal.umd.edu/nrcsweb/DC/DistrictOfColumbia/dmap/10/indexVW.html>, soil at the Site is classified as Urban Land (Ub). Urban Land soils are classified as areas where more than 80 percent of the surface is covered by asphalt, concrete, buildings, or other impervious surfaces. Urban land soils are not a hydric soil, and permeability of the soil is considered highly variable due to cutting and filling activities.

5.4.3 Geology

According to the Maryland Geologic Survey Geologic Map of Maryland dated 1968 obtained from the website <http://www.mgs.md.gov/esic/geo/lgcp.html#ql> (which includes the District of Columbia), the Site is located in the Atlantic Coastal Plain physiographic province, which is situated east of the fall line that separates the unconsolidated sediments of the Atlantic Coastal Plain province from the metamorphic units of the Piedmont. Specifically, the Site is underlain by the Mesozoic Era, Cretaceous System, and Lower Cretaceous Series stratigraphic unit.

5.4.4 Hydrogeology

According to the USGS Ground Water Atlas of the United States (1997), the principal aquifer underlying the Site is the Potomac aquifer of the Northern Atlantic Coastal Plain aquifer system. The Northern Atlantic Coastal Plain aquifer system consists mostly of semi consolidated sand aquifers separated by clay confining units.

Based on the review of the soil, geologic, and hydrogeologic information as well as prior subsurface investigation reports, AEC concludes that the potential of site soils for contaminant or leachate migration is low to moderate. Prior environmental investigations have shown that the depth to the unconfined aquifer at the Site exists at a depth of approximately 15 to 20 feet below ground surface (bgs). Groundwater flow direction has been shown to be to the west-southwest, towards the convergence of the Potomac and Anacostia Rivers and the Washington Channel.

5.5 Historical Use Information

AEC reviewed the following historical sources to develop a history of the previous uses of the Site and surrounding area, in order to help identify the likelihood of past uses having led to recognized environmental conditions in connection with the Site.

5.5.1 Aerial Photographs

AEC reviewed an aerial photographs dated 1957, 1963, 1970, 1980 and 1988 that were obtained from EDR and an aerial photograph dated January 2004 that was obtained from GlobeXplorer.com. The results of the aerial photograph reviews are summarized as follows:

Aerial Photograph Review	
Year	Observations
1957	<p>SITE: The northern Site lot appeared to be used as an unpaved vehicle or electrical equipment storage area. The southern lot appeared to be used as a storage lot for stockpiled coal. A conveyor system and a small building appeared to be located at the east-central portion of the southern Site lot. A railroad siding also appeared to be located along the northern and eastern portion of the Site lot</p> <p>SURROUNDING AREA: Surrounding areas appeared to consist of former Ft. McNair buildings to the west and northwest, a few small structures and trees to the north, a partially cleared lot followed by the former Steuart fuel storage terminal to the northeast, a small cleared lot, the Generating Station and additional coal storage to the east, and two marinas and an undeveloped lot to the south.</p>
1963	<p>SITE: Site conditions were similar to those in the 1957 photograph, with the exception that additional vehicles or equipment were stored on the northern Site lot, and at the northeastern corner of the southern Site lot.</p> <p>SURROUNDING AREA: Surrounding areas were similar to those on the 1957 photograph, with the exceptions that two small structures appeared to have been constructed at the previously undeveloped lot south of the Site, and areas of the marina southwest of the Site had been cleared.</p>
1970	<p>SITE: The prefabricated building had been installed at the northern Site lot, and it appeared that this area was being used for vehicle fueling and storage. The bulk fuel storage AST had been constructed at the southern portion of the southern Site lot, while the remaining portions of the lot were still being used for coal storage.</p> <p>SURROUNDING AREA: Areas north, west and south of the Site appeared similar to those on the 1963 photograph. The combustion turbines appeared to have been installed in the former coal storage area at the eastern adjacent Generating Station property. In addition, two bulk storage ASTs had been installed northeast of the Site.</p>
1980	<p>SITE: The Site appeared similar to the 1970 photograph, with the exception that it did not appear that the southern Site lot was being used for coal storage any longer.</p> <p>SURROUNDING AREA: Surrounding areas appeared similar to those on the 1970 photograph, with the exception that the US Coast Guard headquarters building had been constructed south of the Site and the northernmost Ft. McNair building, which had been located northwest of the Site, had been demolished.</p>
1988	<p>SITE: The Site appeared similar to the 1980 photograph; however, it appeared that the Site lots were becoming overgrown.</p> <p>SURROUNDING AREA: Surrounding areas appeared similar to the 1980 photograph, with the exception that the remaining two Fort McNair buildings that were located west of the Site had been demolished.</p>

Aerial Photograph Review	
Year	Observations
2004	<p>SITE: The Site appeared similar as it did on the date of the Site reconnaissance. Both Site lots were developed as asphalt-paved parking lots. The prefabricated building and bulk fuel storage AST were present at the north and south portions of the Site.</p> <p>SURROUNDING AREA: Areas surrounding the Site appeared similar as they did on the date of the Site reconnaissance. Surrounding areas consisted of the scrap yard to the north, the PEPCO bulk fuel storage facility to the northeast, the Generating Station to the east, the Buzzard Point Marina to the southeast, the Coast Guard headquarters building to the south, the Fort McNair Yacht Club marina to the southwest, and Ft. McNair to the west.</p>

Copies of the reviewed aerial photographs are included in Appendix E.

5.5.2 Fire Insurance Maps

Sanborn Maps dated 1984, 1988, 1990, 1991, 1992 and 1994 were reviewed for this assessment. The following are descriptions and interpretations from the historical map review: Copies of the fire insurance maps are provided in Appendix D.

Historical Map Review	
Years	Observations
1984 through 1994	<p>SITE: The Site appeared as a PEPCO vehicle storage lot and garage building on the northern Site lot and a PEPCO property storage yard and bulk fuel storage facility on the southern Site lot on all of the reviewed fire insurance maps.</p> <p>SURROUNDING AREA: Areas surrounding the Site appeared similar on all of the reviewed Sanborn maps, with the exception that buildings associated with Fort McNair to the west of the Site were demolished between 1984 and 1988, and one new building was constructed in approximately 1990. Surrounding areas on all of the reviewed maps generally consisted of a parking lot and scrap metal yard to the north, the PEPCO bulk fuel storage facility followed by the Steuart Petroleum bulk fuel terminal and a Hess Oil & Chemical Corporation fuel plant to the northeast, the PEPCO transfer yard and Generating Station to the east, and the Buzzards Point Marina, US Government Office Building (Coast Guard headquarters), and the Fort McNair Yacht Club to the south.</p>

5.5.3 City Directories

AEC reviewed historic city directories dated 1948, 1956, 1965, 1970, 1975, 1980, 1990 and 2000 at the Martin Luther King, Jr. Library, Washingtonian Room. The following is a summary of information from the city directory review.

City Directory Review	
Years	Observations
1948	<p>SITE: Addresses related to the Site were not listed.</p> <p>SURROUNDING AREA: Listings for surrounding areas included residences, Morauer & Hartzell excavating contractors, Webb Aircraft Sales, Conserco Concrete, Howat Concrete Company, Stephens Clifford dairy, Highland Farms Milk Company, WashTraylor Company and Keyston Alloys Company.</p>
1956	<p>SITE: Addresses related to the Site were not listed</p> <p>SURROUNDING AREA: Listings for surrounding areas included residences, High's Dairy, John S. Reece auto wrecker, D&M Wrecking Company, John S. Reece auto storage lot, US Army Department of Engineers, Corinthian Yacht Club, Howat Concrete Company, and Am Moving Service, Inc.</p>
1965	<p>SITE: cor Buzzard Point Yard</p> <p>SURROUNDING AREA: Listings for the surrounding area included Shulman's Liquor Morauer & Hartzell, Merchant's Transfer & Storage, Austin Nichols & Company, Inc., Super Salvage, Inc., Hall's Restaurant, Blue Spade Wall Covering, Corinthian Yacht Club Steward House, Corinthian Yacht Club club house, Howat Concrete, and Long Marine Service (repairs).</p>
1970	<p>SITE: Cor PEPCO (Equip Yard), PEPCO (garage)</p> <p>SURROUNDING AREA: Listings for the surrounding area included residences, High's Dairy Products, Inc., Shulman's SW Liquors, Austin Nichols & Co., Merchant's Transfer & Storage, Super Salvage, Inc., Buzzard Point Boat Yard & Sail Boat Rentals, PEPCO (Buzzard Point Generating Station), Hall's Restaurant, US Army HQ, Jacob's Transfer, Corinthian Yacht Club, Littleford Michl Marine Service (repairs), Gov't Services, Inc., Fort McNair Yacht Basin, and Howat Concrete Company.</p>
1975	<p>SITE: Addresses related to the Site were not listed.</p> <p>SURROUNDING AREA: Listings for the surrounding area included Buzzard Point Marina, Shulman's SW Liquor, Fairchild Adjustment, Merchant Transfer & Storing, United Van Lines Agency, Super Salvage, Inc., residences, American Battle Monument, Finance & Act of USA, Morauer & Hartzell, Valet Shop, McLachlen Nat'l Bank, Office Cleaning, Inc., US Railway Association, USCG Documentation and Westwood Management.</p>
1980	<p>SITE: Addresses related to the Site were not listed.</p> <p>SURROUNDING AREA: Listings for the surrounding area included Shulman's Liquor, Super Salvage, Inc., PEPCO, Buzzard Point Boat, Buzzard Point Marina, residences, Custom Food Mng Sys, McLachIn Bk Wtrfrnt, Office Cleaning, Inc., United St. Railway, US Gov't Nat'l Admin, US Railway Association, Westwood Management and Ft. McNair Yacht.</p>

City Directory Review	
Years	Observations
1990	<p>SITE: Addresses related to the Site were not listed.</p> <p>SURROUNDING AREA: Listings for the surrounding area included Chang's Carry Out, Shulman's Liquor, Super Salvage, Inc., Buzzard Point Boat, residences, Carlson Food Systems, Gelco Travel, Liberty Building, Tamsco, US Trans CG Aux HQ, Boat Repairs, Chief Warrant Officers, Fort McNair Yacht and Goose Bay Aggregate.</p>
2000	<p>SITE: Addresses related to the Site were not listed.</p> <p>SURROUNDING AREA: Listings for the surrounding area included Super Salvage, Inc., Buzzard Point Boat, Building Service Management, Nat'l War College Alumni Assn, US DOT, US Trans CG HQ Support Command, US Trans CG Info, Personnel, apartments and the James Creek Marina.</p>

5.5.4 Property Tax Files

AEC reviewed available tax file information for the Site from the District of Columbia Chief Financial Officer's website (<http://www.taxpayerservicecenter.com>). The tax file indicates that the Site is owned by PEPCO. No additional pertinent information was available from this source. Property detail reports of the Site parcels are included in Appendix D.

5.5.5 Interview Information

AEC interviewed Mr. Shahid Anis of PEPCO for information regarding the Site. Information obtained from Mr. Anis is included in pertinent sections of this report. A copy of the questionnaire that answered by Mr. Anis is included in Appendix F.

5.5.6 Previous Environmental Reports

PEPCO provided the following previous environmental reports in association with the Site to the Client:

- *Phase I Environmental Assessment* report, prepared by URS Corporation, Inc. (URA), dated April 4, 2005
- *Limited Phase II Environmental Investigation* report, prepared by URS, dated March 22, 2005

AEC reviewed the previous reports as a part of this assessment. The findings and conclusions of the reviewed reports are summarized below.

URS prepared a Phase I ESA of the Buzzard Point Property in April 2005. AEC notes that this assessment did not include the northern Site lot (Square 607). The URS assessment included interviews with Mr. Shahid Anis and Mr. Fariba Mahui of PEPCO, and referenced previous environmental reports in association with the Site and adjacent Generating Station. In addition, an environmental assessment questionnaire that was answered by Mr.

S.H. Taylor and Mr. L.B. Spencer of W.A. Chester, Inc. was included in the report. The questionnaire indicated that the southern Site lot was leased to W.A. Chester, Inc. beginning in 1972 for use as a vehicle and equipment storage and maintenance area.

Based on their assessment, URS identified the historic use of the southern Site lot for coal storage and fuel storage as concerns. In particular, potential leaks from the underground pipeline and the pits near the bulk fuel storage AST were thought to have the potential to create a recognized environmental condition at the southern Site lot. The former fueling station that was located at the northern Site lot was also identified as a recognized environmental condition. Off-site recognized environmental conditions included the inactive Generating Station, the former PEPCO storage yard, and the Super Salvage scrap yard.

URS conducted a Limited Phase II Environmental Investigation in January 2005 that included 12 soil borings completed to depths ranging from 10 feet to 32 feet bgs. This report did not include boring logs. In addition to the boring exploration, water from the two concrete pits located adjacent to the AST was also sampled and analyzed. The URS investigation did not include any sampling of surficial soils at the site; all sampling was at a depth of at least 10 feet below ground surface. This study did not include an investigation of the northern Site lot (Square 607).

Groundwater, pit water, and soils were sampled and analyzed for various chemical parameters including TPH GRO and DRO, VOCs, Semi-Volatile Organic Compounds (SVOCs), priority pollutant metals, and PCBs.

The result of the analyses indicated that some soils at the site are impacted with petroleum hydrocarbons and groundwater is impacted with petroleum hydrocarbons and lead. The lead impact to groundwater was identified at both locations where analyses were performed. The lead concentrations in groundwater were elevated and were not likely to be the result of naturally occurring conditions. These lead concentrations ranged from 1,900 to 8,800 micrograms per liter (ug/l). URS concluded that there is evidence that soil and groundwater has been affected by releases of petroleum hydrocarbons, and the presence of combustion products and metals.

Geomatrix conducted an assessment of the Buzzard Point Properties, including the northern Site lot. The date of this assessment is unknown (a review of the document failed to provide a date at which the field work was performed or report was prepared). Due to the sampling methodology (composite) and the fact that laboratory analytical reports were not attached to the document received from PEPCO, this material was deemed unreliable.

Previous environmental reports concerning the adjacent Generating Station were obtained by AEC at the DC DOH. Information from these reports was discussed in Section 3.6 of this report.

Copies of the reviewed prior reports have been provided in Appendix H. Due to the volume of these reports, information that has been deemed superfluous has been omitted from the copies attached herein.

5.5.7 Historical Use Summary

The past use of the Site, as determined by a review of reasonably ascertainable historical information, is summarized in the following table:

Historical Use of the Site	
Years	Site Use
Late 1920s to 1968	The Site was used as a coal storage yard and a vehicle or equipment storage lot.
1968 to 1981	The northern Site lot was used as a vehicle fueling and storage lot. The southern Site lot was used for coal storage and bulk fuel storage, until the remaining coal was removed or used in approximately 1972. After 1972, the southern Site lot was used for bulk fuel storage by PEPCO, and as a vehicle and equipment storage and maintenance area by W.A. Chester, Inc.
1981 to 1990s	The Generating Station was decommissioned in 1981, and the Site appeared to be unused from 1981 until it was developed into two asphalt-paved parking lots, sometime after 1988.
1990s to present	Two asphalt-paved parking lots that are owned by PEPCO and leased to the US Government.

The review of the above-referenced historical sources indicated that the southern Site lot was used as a coal storage yard from the late 1920s until the Generating Station began using fuel oil to power the plant in 1968. From this point until the Generating Station was decommissioned in 1981, the southern Site lot was used for bulk fuel storage. An underground pipeline was used to connect the 1.9-million gallon AST to the Generating Station. The northern Site lot appeared to have been used for vehicle fueling and storage from the late 1960s until the USTs (one 6,000-gallon gasoline, one 6,000-gallon diesel fuel and one 20,000-gallon gasoline) were removed in 1988 and 1993. In conclusion, the historical use of the Site as a coal storage yard, a bulk fuel storage facility and a vehicle fueling station are recognized environmental conditions.

6.0 Site Reconnaissance

The objective of the site reconnaissance was to obtain information indicating the likelihood of any recognized environmental conditions in connection with the Site. This reconnaissance was conducted on Tuesday, June 7, 2005 by Ms. Leslie Kopchinski, Project Manager of AEC. Ms. Kopchinski was not provided with access to the Site during the site reconnaissance; however, the majority of on-site improvements could be observed through the security fences. Mr. Jeff Stein and Mr. John Merletti of AEC were provided with Site access during the concurrent Phase II Subsurface Investigation. The weather conditions at the time of both Site inspections were sunny, with temperatures in the 75-degree Fahrenheit range.

6.1 Methodology and Limiting Conditions

The site reconnaissance consisted of walking the public sidewalks around the perimeter of the Site and the public access roads in the surrounding area of the Site. As previously noted, AEC had very limited access to the Site for the purpose of the Phase I Site Assessment; however, Mr. Jeff Stein and Mr. John Merletti of AEC were provided with access to the Site during the concurrent Phase II Subsurface Investigation. Photographs of the Site were taken during the Phase II investigation to document existing site conditions and are included and described in Appendix C.

6.2 Interviews

AEC interviewed Mr. Shahid Anis and Mr. Vernon Gibson, both of PEPCO, regarding the Site. Information obtained from this interview is included in pertinent sections of this report.

6.3 Hazardous Substances in Connection with Identified Uses

AEC did not observe any hazardous substances in connection with identified uses at the Site. Reportedly, parking lot maintenance supplies such as a broom, salt and landscaping equipment are stored in the shed located on the southern Site lot. AEC was not provided with access to this shed during either Site visit; however, Mr. Anis stated that the same parking lot maintenance supplies are currently stored in this area, and AEC does not consider these supplies to be a concern to the Site. Additionally, AEC was not provided with access to the prefabricated building at the northern Site lot due to security concerns. Mr. Vernon Gibson of PEPCO indicated that the building is used by the US Government, and he had no additional knowledge regarding the use of this building by the government.

6.4 Waste Generation, Storage and Disposal

No indications of waste generation, storage, or disposal were noted on the Site as it is used as two parking lots.

6.5 Storage Tanks

One 1.9-million gallon bulk fuel storage AST is located at the southern portion of the southern Site lot. The AST is surrounded by an approximate six foot concrete containment dike. The exact installation date of this AST is unknown; however, historical research has revealed that it was installed when the adjacent PEPCO Generating Station was converted from being fueled by coal to using #6 fuel oil in the late 1960s. Mr. Shahid Anis of PEPCO stated that he did not know whether releases from the bulk fuel storage AST had occurred. Reportedly, an underground pipeline connected the AST to the Generating Station. Mr. Anis did not provide any information regarding the pipeline or any related releases. Previous environmental reports have indicated that both the AST and the underground pipeline were taken out of service in 1981 when the Generating Station was decommissioned. The previous URS Phase I ESA report indicated that the AST has remained empty since 1981 and the pipeline was filled in place.

Additionally, the northern Site lot was previously used by PEPCO as a vehicle fueling station and storage lot from 1970 until 1993. One 20,000-gallon gasoline UST, one 6,000-gallon gasoline UST, and one 6,000-gallon diesel fuel UST were previously located at the southeastern portion of the northern Site lot, identified as 180 S Street, SW and as the Buzzard Point gas station. Both of the 6,000-gallon USTs were removed from the Site in November 1988. Regulatory review revealed two separate UST listings that reference four 6,000-gallon gasoline and diesel USTs at the Site; however, all other referenced previous reports and correspondence state that two 6,000-gallon USTs were present. LUST Cases were not identified in association with the removal of the two 6,000-gallon USTs. Correspondence from PEPCO dated March 30, 1988 that was included in the previous URS Phase I ESA suggested that the USTs were to be removed by Chevron USA, Inc. so that they would not have to be upgraded when federal UST upgrade legislation took effect.

The Site was identified in LUST Case 93-094 in relation to the 20,000-gallon UST, which was removed in September 1993. According to the file at the DC DOH, confirmation soil samples that were collected during the removal of the UST were not significantly contaminated; however, groundwater samples were above regulatory limits for some constituents. As a CSA was already being prepared for the adjacent Generating Station at this time, the DC DOH required PEPCO to prepare a CSA Addendum report to include the former 20,000-gallon UST site. A copy of the CSA Addendum report was not available for review; however, the LUST Case 93-094 file indicated that one monitoring well (MW-13) was installed in this area. Petroleum concentrations in soil during the installation of the well were below DC DOH action limits, while BTEX and TPH constituents were above action limits in groundwater. The BTEX concentration was 1.77 mg/L and the TPH concentration was 3.0 mg/L. Additional information was not provided in the LUST Case file; however, the case was granted regulatory closure on May 9, 1994.

The Site was used for the storage of significant quantities of #6 fuel oil, gasoline, and diesel fuel in ASTs and USTs from the late 1960s until 1993. In addition, an underground pipeline was trenched between the 1.9-million gallon bulk fuel storage AST and the adjacent Generating Station, and no information regarding releases from the AST or pipeline is

known. AEC considers the historic use of the AST, pipeline, and USTs at the Site to be recognized environmental conditions.

6.6 Polychlorinated Biphenyls (PCBs)

The Site was investigated for the presence of equipment that could contain polychlorinated biphenyls (PCBs). PCBs are toxic coolants or lubricating oils that can be found in oil-filled equipment such as electrical transformers, capacitors, hydraulic elevators, hydraulic service bay lifts, and fluorescent light ballasts. No equipment that could potentially contain PCBs was identified at the Site.

Fluorescent light ballasts

AEC observed fluorescent light fixtures on poles installed throughout both Site lots. In 1979, the USEPA banned the manufacture and sale of PCBs. Based on the reported date of construction of the parking lot (after 1988), ballasts associated with the fluorescent light fixtures are unlikely to contain PCBs. However, any ballasts that are not labeled "non-PCB" should be disposed of in accordance with applicable local, state, and federal regulations.

AEC did not identify additional equipment that would be suspected to contain PCBs at the Site.

6.7 Indications of Solid Waste Disposal

AEC did not note indications of solid waste disposal at the time of the site visit. No waste receptacles were observed at Site, and Mr. Shahid Anis stated that waste is not generated at the Site.

6.8 Other Conditions of Potential Concern

AEC also examined the Site for evidence of the following potential environmental conditions:

Conditions	Not Observed	Observed	Potential Concern?
Chemical/Petroleum Odors	X		No
Pools of Liquid	X		No
Floor Drains/Sumps/Wells	X		No
Stains or Corrosion	X		No
Unidentified Containers	X		No
Stained Soil or Pavement	X		No
Stressed Vegetation	X		No

AEC did not observe any of the above-mentioned conditions of potential concerns at the Site.

7.0 Findings and Conclusions

Advantage Environmental Consultants, LLC has performed a Phase I Environmental Site Assessment, in conformance with the scope and limitations of ASTM Practice E 1527-00, of the property known as Buzzard Point in Washington, DC. This assessment has revealed the following recognized environmental conditions in connection with the Site.

- The historical use of the Site as a coal storage yard, a bulk fuel storage facility and a vehicle fueling station are recognized environmental conditions.

In addition, this assessment has revealed the following recognized environmental conditions in connection with off-site properties:

- The adjacent Generating Station and former PEPCO bulk fuel storage facility, in association with LUST Case #93-051, which has documented the presence of significant soil and groundwater contamination at these properties and groundwater flow towards the Site
- The adjacent Super Salvage, Inc., facility, which has operated a metal scrap yard at this location since the 1960s

8.0 References

ASTM, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," ASTM Designation E 1527-00, Published July 2000;

Buzzard Point, prepared by Cassidy & Pinkard, dated March 2005;

Buzzard Point Station progress report, prepared by Potomac Electric Power Company (PEPCO), dated August 19, 2004;

Buzzard Point Station progress report, prepared by PEPCO, dated August 19, 2004;

Comprehensive Site Assessment, PEPCO, Buzzard Point Station (Executive Summary), prepared by TPH Technology, Inc., dated August 11, 1993;

Corrective Action Plan, Remedial Specifications and Implementation Details, Buzzard Point Generating Station, prepared by TPH Technology, Inc., dated March 10, 1995;

District of Columbia Chief Financial Officer's Real Property Tax Assessment database website www.taxpayerservicecenter.com;

Environmental Data Resources, Inc. (EDR), The EDR Aerial Photo Decade Package, Inquiry Number 1428986.4, dated May 25, 2005;

EDR, Radius Map with GeoCheck, Inquiry Number 1428986.2s, dated May 26, 2005;

EDR, Sanborn Fire Insurance Map Report, Inquiry Number 1428986.3s, dated May 26, 2005;

Globexplorer aerial photograph, www.globexplorer.com, dated 2004;

Haines Criss Cross City Directories, Washington, DC, dated 1970, 1975, 1980, 1990 and 2000;

Limited Phase II Environmental Investigation, prepared by URS Corporation, Inc., dated March 22, 2005;

Maryland Geologic Survey Geologic Map of Maryland dated 1968 obtained from the website <http://www.mgs.md.gov/esic/geo/>;

R.L. Polk & Company, *Washington, DC City Directories*, dated 1948, 1956 and 1965;

United States Department of Agriculture, *Soil Survey of the District of Columbia*, dated 1975;

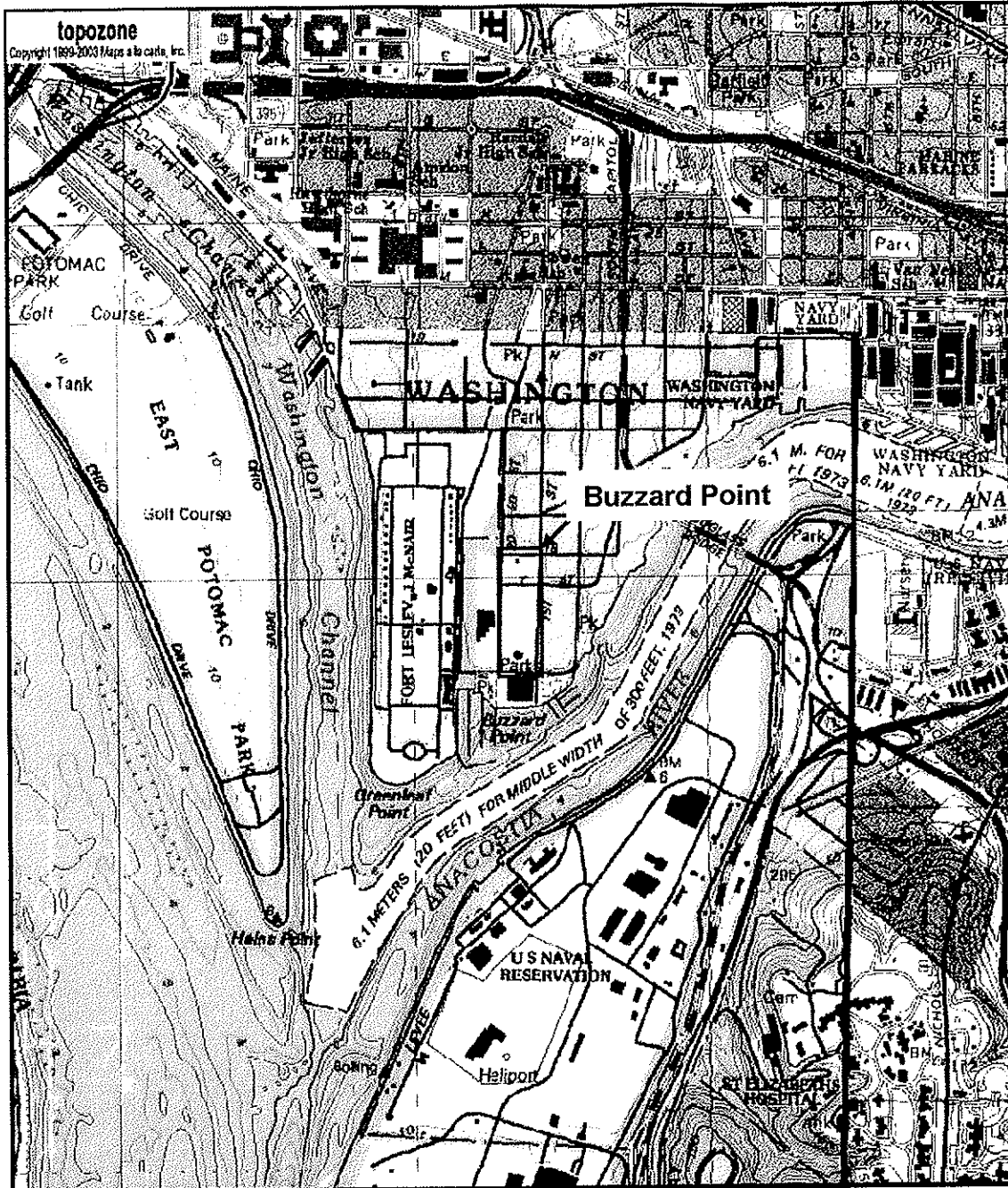
United States Geological Survey (USGS) 7.5 Minute Series, Alexandria, VA Topographic Map, www.topozone.com, dated 1994;

United States Geological Survey, *Ground Water Atlas of the United States*, 1997;

APPENDICES

- Appendix A – Site Vicinity Map (1)
- Appendix B – Site Plan (1)
- Appendix C – Site Photographs (5)
- Appendix D – Historical Research Documentation/Maps (12)
- Appendix E – Aerial Photographs (6)
- Appendix F – Records of Communication (7)
- Appendix G – Regulatory Records Documentation (56)
- Appendix H – Prior Environmental Reports (89)
- Appendix I – Qualifications of Environmental Professionals (6)

**APPENDIX A
SITE VICINITY MAP**



Map center is UTM 18 325345E 4303925N (WGS84/NAD83)
 Alexandria quadrangle
 Projection is UTM Zone 18 NAD83 Datum

M=-10.842
 G=-1.264

ADVANTAGE
ENVIRONMENTAL
CONSULTANTS, LLC.

8610 Baltimore Washington Boulevard, Suite 217
 Jessup, MD 20794
 Phone: 301-776-0500 Fax 301-776-1123

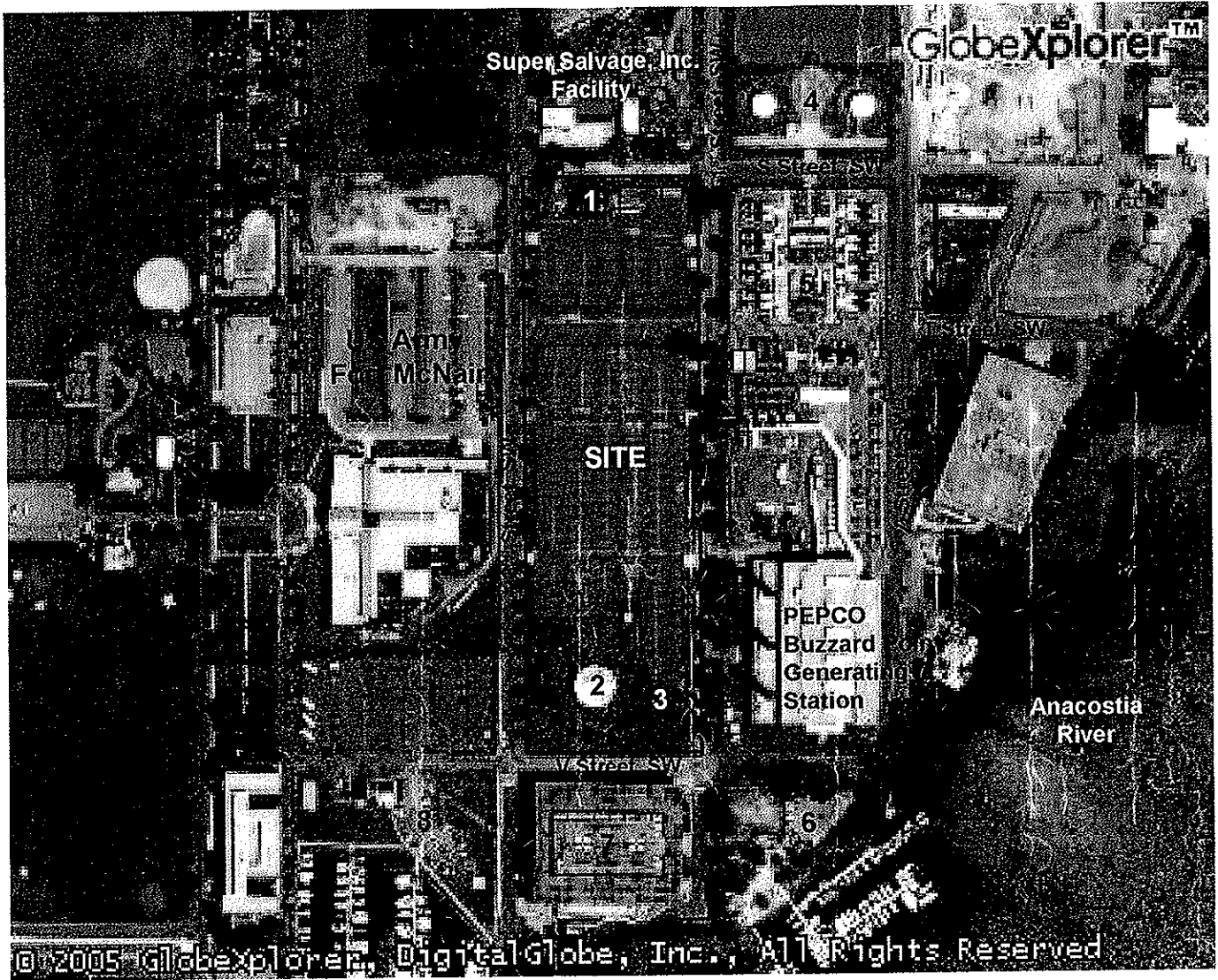
Site Map
 Buzzard Point
 2nd Street and S Street, SW
 Washington, DC 20024

AEC Project No.:
 05-099

Report Date:
 6/10/05

Drawn By:
 LAK

**APPENDIX B
SITE PLAN**



KEY

- 1 = On-site Prefabricated Building
- 2 = On-site Bulk Fuel Storage AST
- 3 = On-site Pits

- 4 = PEPCO Bulk Fuel Storage ASTs
- 5 = PEPCO Combustion Turbine Yard
- 6 = Buzzard Point Marina
- 7 = US Coast Guard Headquarters Building
- 8 = James Creek Marina

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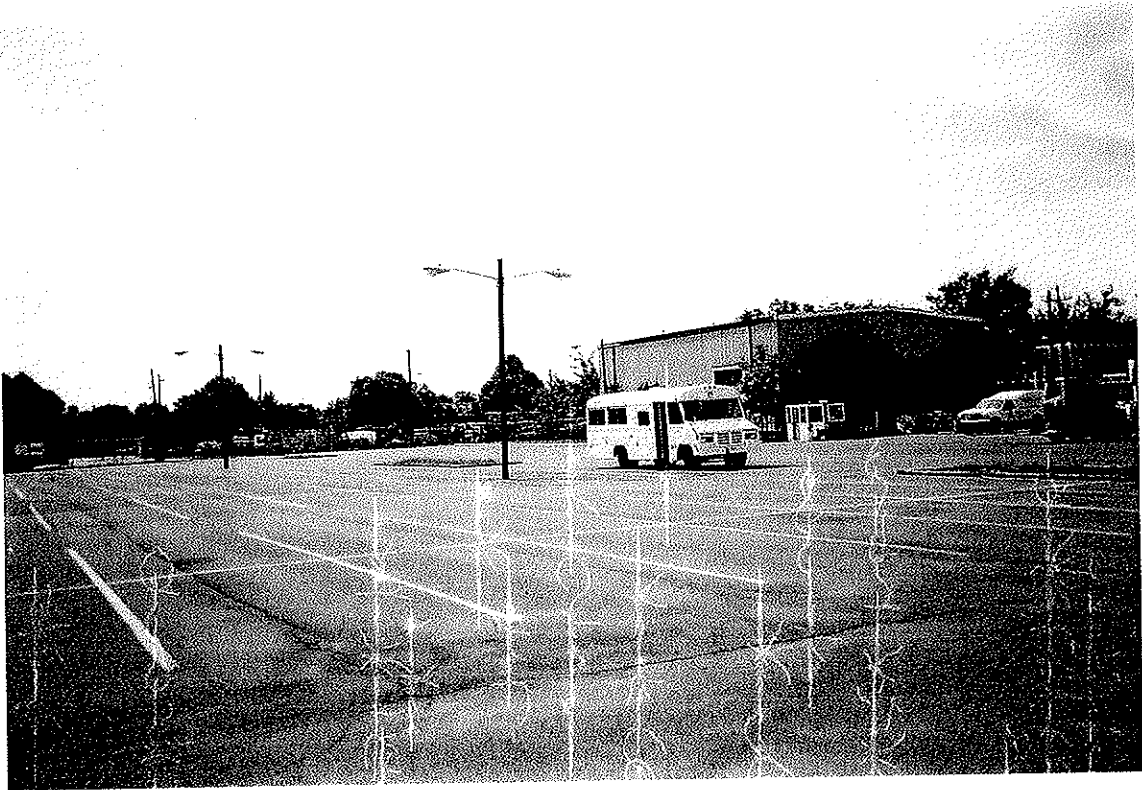
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 Buzzard Point
 2nd Street and S Street, SW
 Washington, DC 20024

AEC Project No.:
 05-099

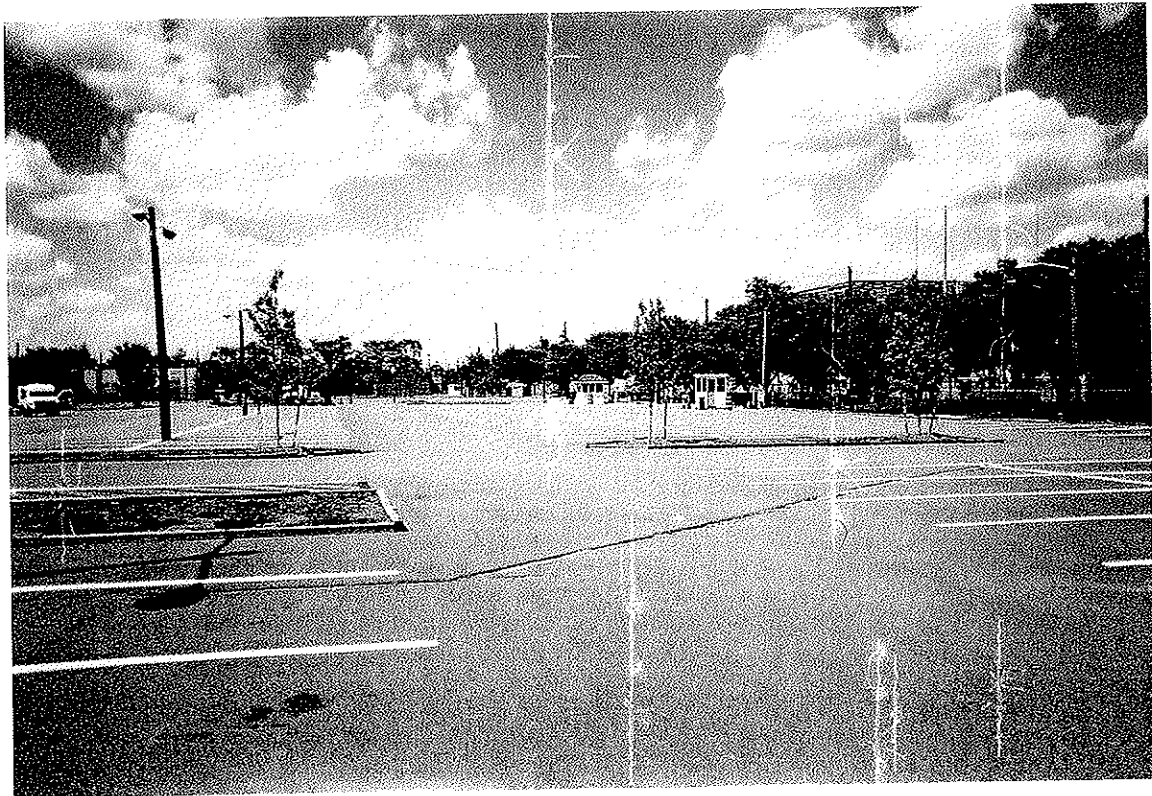
Report Date:
 6/10/05

Drawn By:
 LAK

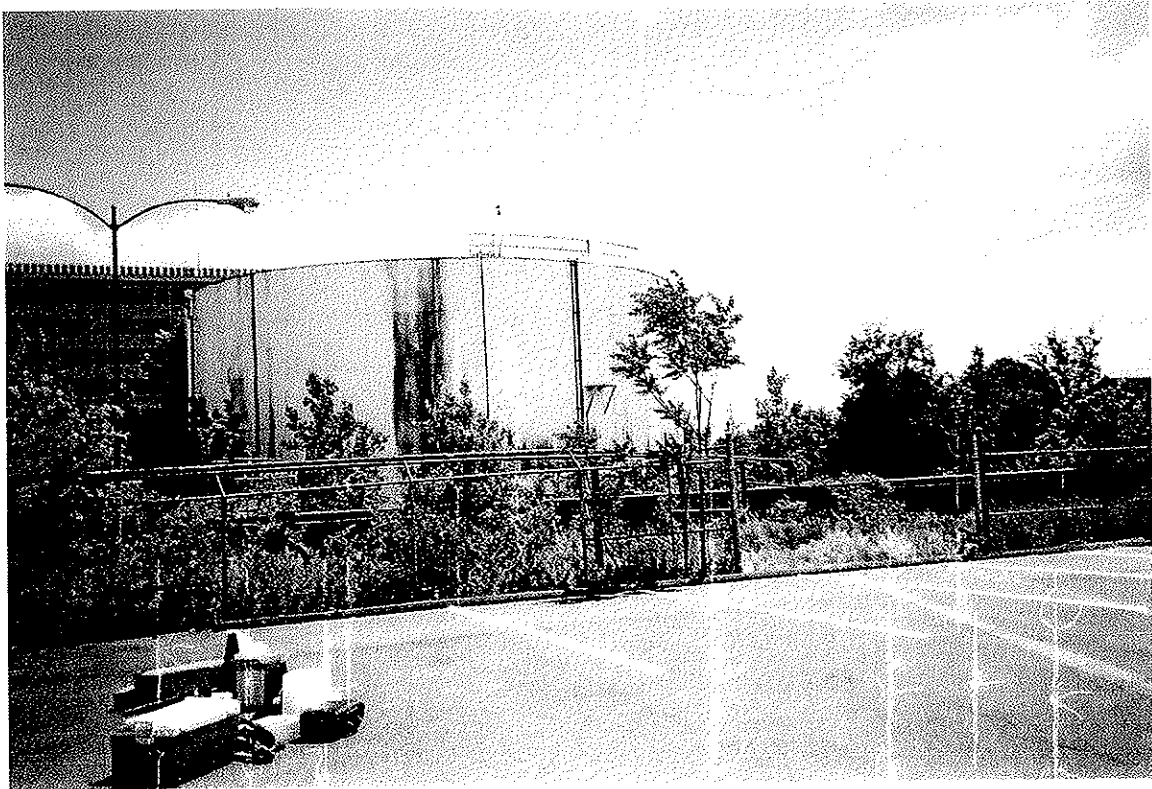
APPENDIX C
SITE PHOTOGRAPHS



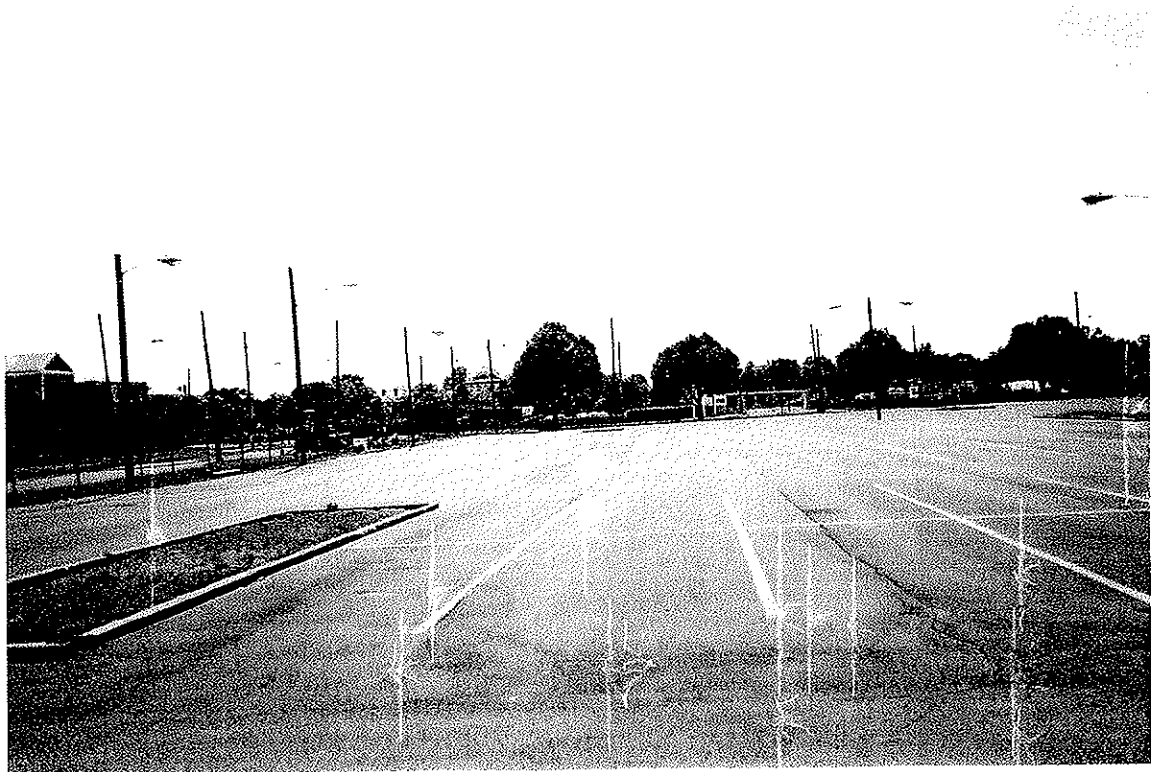
Photograph 1: View of the northern Site lot and prefabricated building.



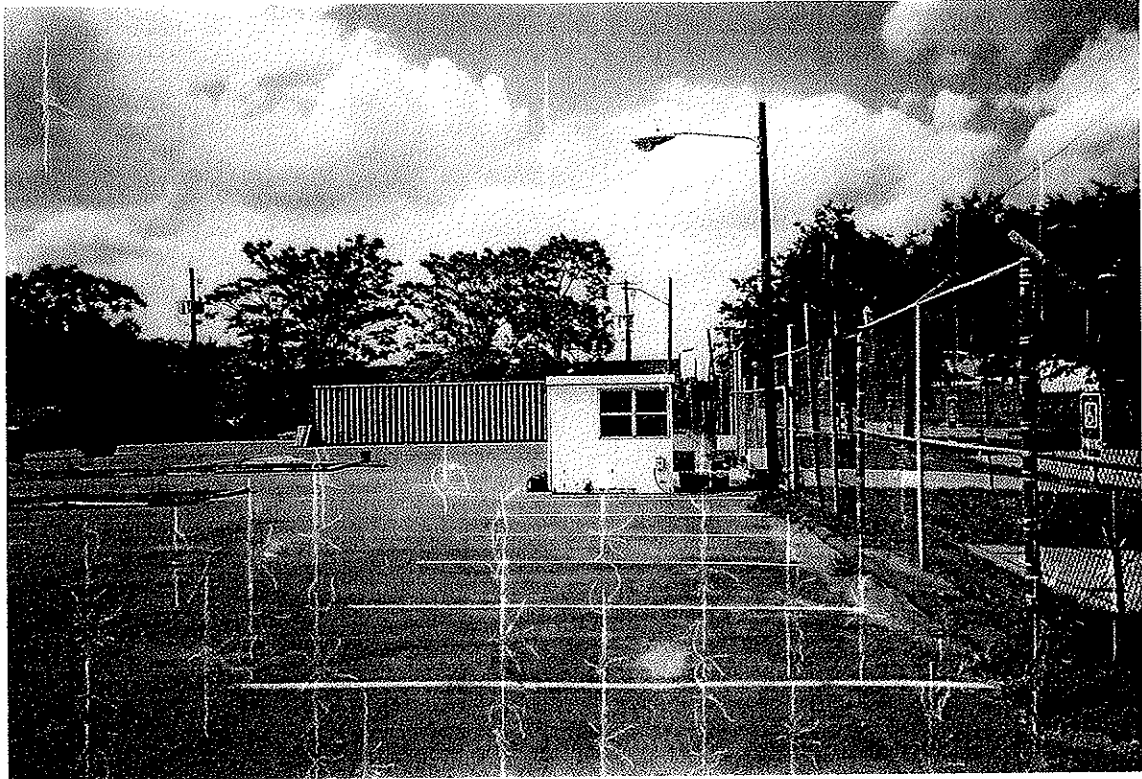
Photograph 2: Additional view of the northern Site lot, facing north.



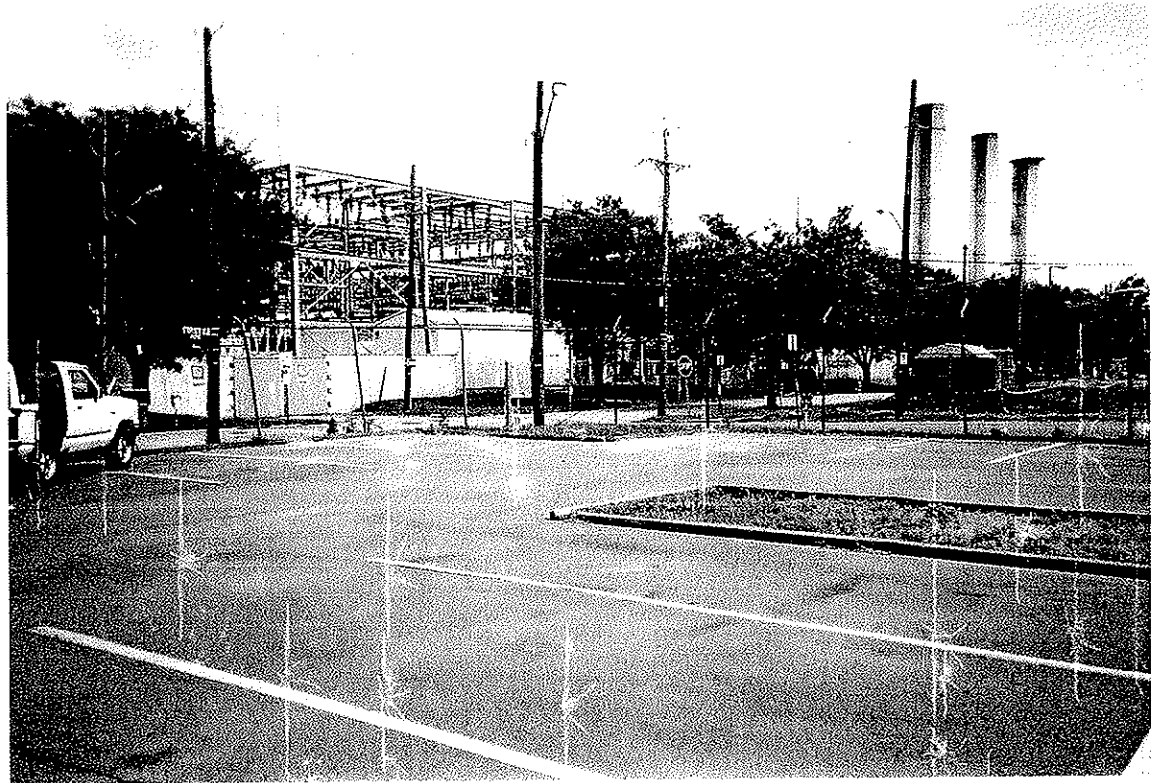
Photograph 3: View of the bulk fuel storage AST at the southern Site lot.



Photograph 4: View of the parking areas at the southern Site lot, facing north.



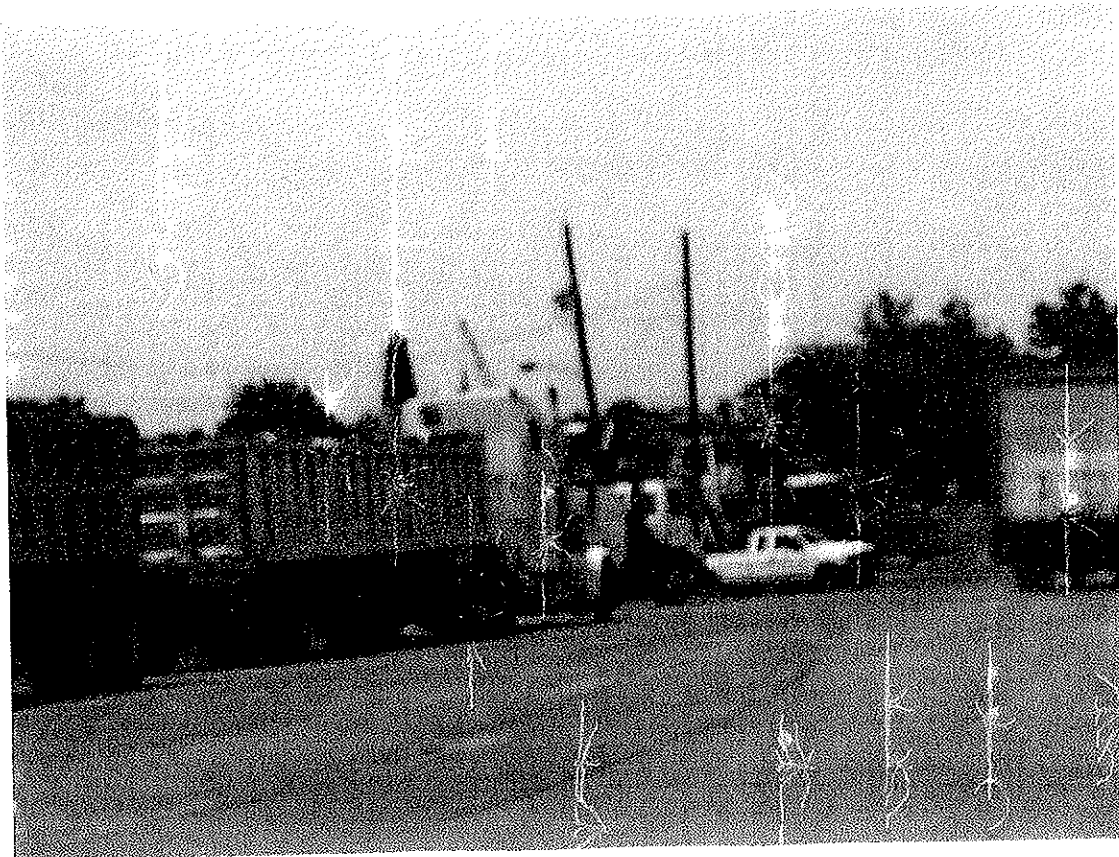
Photograph 5: View of a guard stand and storage trailer at the northern Site lot.



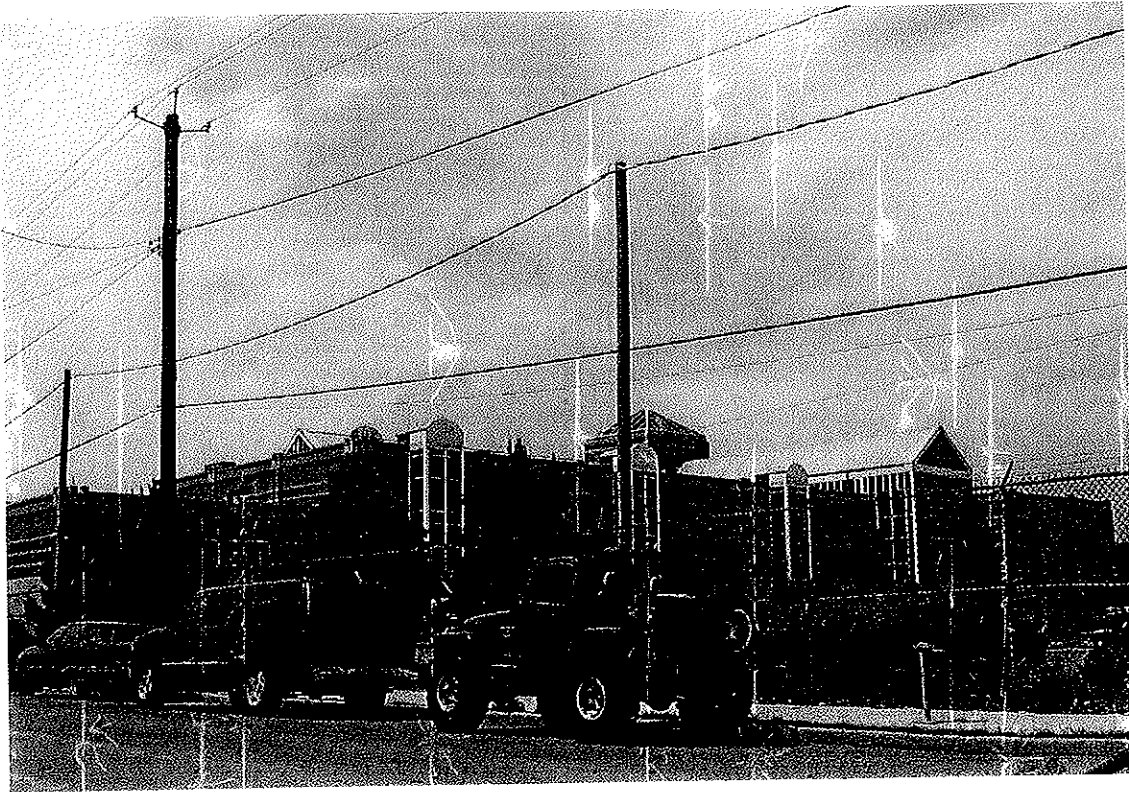
Photograph 6: View towards the eastern adjacent combustion turbine yard and the decommissioned Buzzard Point Generating Station.



Photograph 7: View towards the southern adjacent US Coast Guard headquarters building.



Photograph 8: View towards the north adjacent Super Salvage, Inc. facility.



Photograph 9: View towards the west adjacent Fort McNair building.

ASSESSMENT OF THE BUZZARD POINT PROPERTIES

SUBMITTED TO:

**POTOMAC ELECTRIC POWER COMPANY
2000 PENNSYLVANIA AVENUE, N.W.
WASHINGTON, D.C. 20068**

SUBMITTED BY:

**GEOMATRIX, INC.
6801 KENILWORTH AVENUE, SUITE 100
RIVERDALE, MARYLAND 20737
(301) 779-5302**

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APPENDIX A: QUESTIONNAIRE/RESPONSES
APPENDIX B: LABORATORY ANALYTICAL RESULTS

GEOMATRIX, INC.

EXECUTIVE SUMMARY

Geomatrix, Inc. performed an assessment of five pieces of property owned by PEPCO and located in the Buzzard Point area of Southwest Washington, D.C. to determine if these sites were "environmentally clean". The assessment of the environmental status of the sites was determined based on the presence and concentration of the most likely potential contaminants that should be found at the sites.

As a part of the assessment, a questionnaire was prepared and submitted to company operating groups utilizing the sites. In addition, meetings were held with PEPCO personnel from Real Estate, Stores, and Environmental Affairs to discuss the history and uses of the sites. The information gathered, along with visits to the sites, were used to determine potential contaminants which might be found at the sites. The potential contaminants that were identified included Total Petroleum Hydrocarbons (TPH), PCBs, and Metals.

Soil samples were collected from 3 of the sites and analyzed for the potential contaminants. The other 2 sites, namely Sites 3 and 5, were not sampled because of on-going activities at these sites.

GEOMATRIX, INC.

The analytical results showed Site 4 to be free of contamination. Site 1 was found to contain TPH at a concentration of 1440 ppm in one localized area previously occupied by a petroleum underground storage tank. Site 2 showed TPH concentrations ranging from 48 to 360 ppm. The origin and extent of TPH presence at these sites is not known with certainty. However, it is believed to have resulted from the use and activities at the sites.

GEOMATRIX, INC.

1.0 INTRODUCTION

Geomatrix, Inc. was contracted by PEPCO to conduct an assessment of five properties located in the Buzzard Point area of S.W. Washington, D.C. to determine if the sites were environmentally clean. Table 1 gives the property locations and the area occupied and Figure 1 shows the general location and layout of the properties.

TABLE 1

SITE #	PEPCO #	LOCATION	AREA OCCUPIED (SQ. FT)
1	603	Q & 2 nd Sts. SW	89,032
2	607	2 nd St., between S & T Sts., SW	89,250
3	609 & 611	Between 1 st & 2 nd and T & V Streets, SW	69,375
4	661	R & 1 st Sts., SW	299,800
5	665	1 st & V Sts., SW	100,800

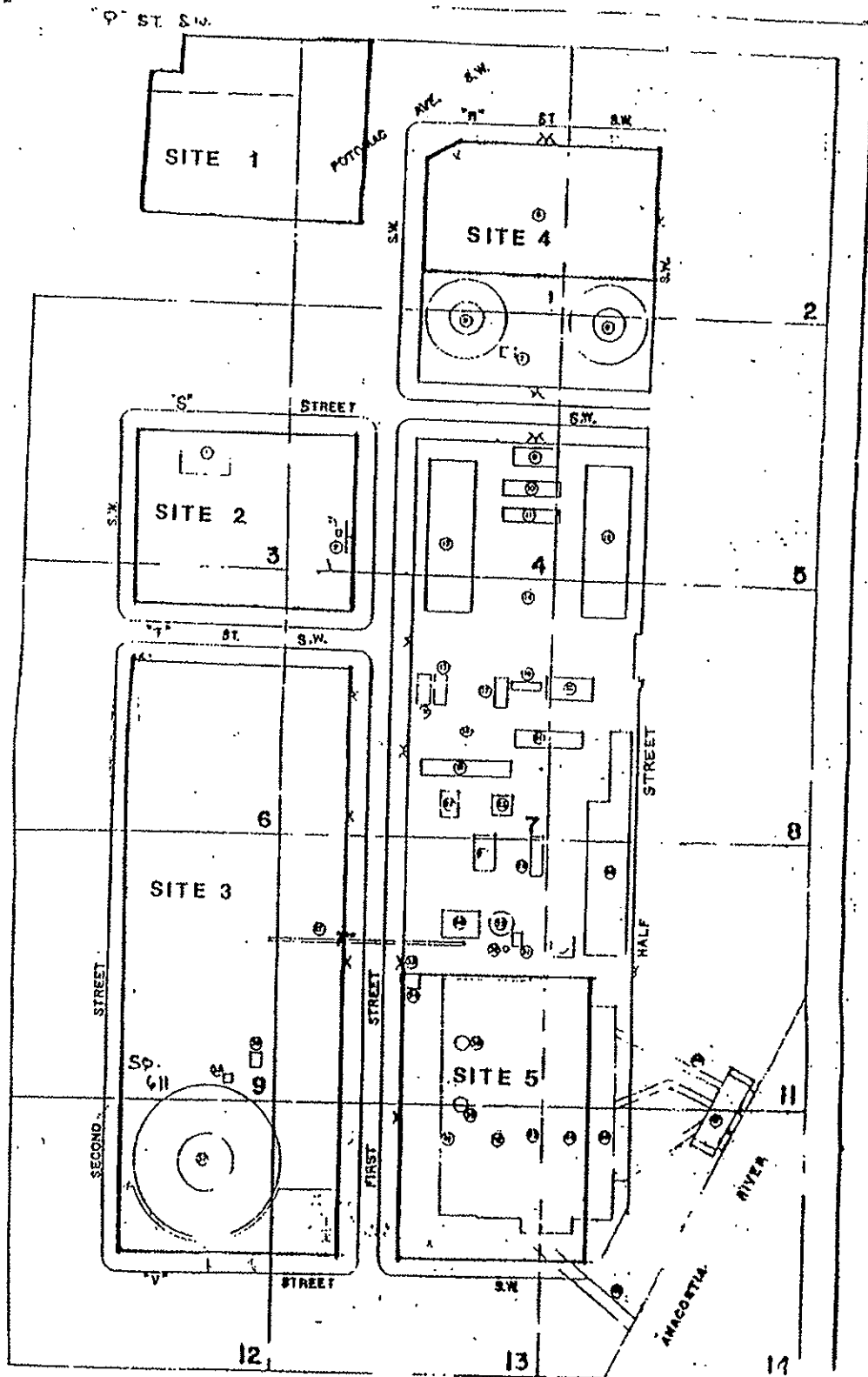


Figure 1: General Location of Sites

GEOMATRIX, INC.

The sites were acquired by PEPCO over the past 20 years. Information regarding uses by previous owners of the properties is limited. It is, however, believed that the properties were not used for any activity, such as disposal or storage of waste material. The properties were used by PEPCO as storage yards for supplies and equipment, parking area, fuel filling stations, maintenance shops, offices, coal storage and electric power generation and transmission.

1.2 Purpose and Scope of Work

The purpose of the study was to conduct an assessment of each site to determine whether or not the soils at the sites were contaminated as a result of prior use.

The scope of work included (1) development of a questionnaire on prior site uses for completion by the company as part of the assessment, (2) meetings and phone conversations with PEPCO personnel who were "old timers" familiar with the sites and their operation, and (3) development and implementation of a soil sampling and analysis program at the sites.

2.0 PRELIMINARY ASSESSMENT

A comprehensive questionnaire was developed and distributed to various operating groups by PEPCO Real Estate and Environmental Affairs departments. Examples of the questionnaires and the responses received are given in Appendix A. In addition to the information provided on the questionnaire, several meetings and telephone conversations with various representatives of the company were held. Following which a detailed reconnaissance of each site was made to confirm and/or modify the information gathered. Based on the above, a field investigation program was developed for all sites.

2.1 DESCRIPTION OF SITE #1

Site 1 (PEPCO #SQ603) is located at Q and First Streets, SW. It occupies an area of approximately 89,032.33 square feet. A portion of the site is rented and occupied by a tunnel boring contractor and a building on the corner of Q and Second Streets.

The layout of the portion of Site 1 occupied and presently used by PEPCO is shown schematically on Figure 2. The site area is occupied by two buildings, namely a three story office and a large multi-bay warehouse. A covered parking area is located adjacent to the office building. This area previously contained an underground storage tank (UST).



PARKS ST. SW

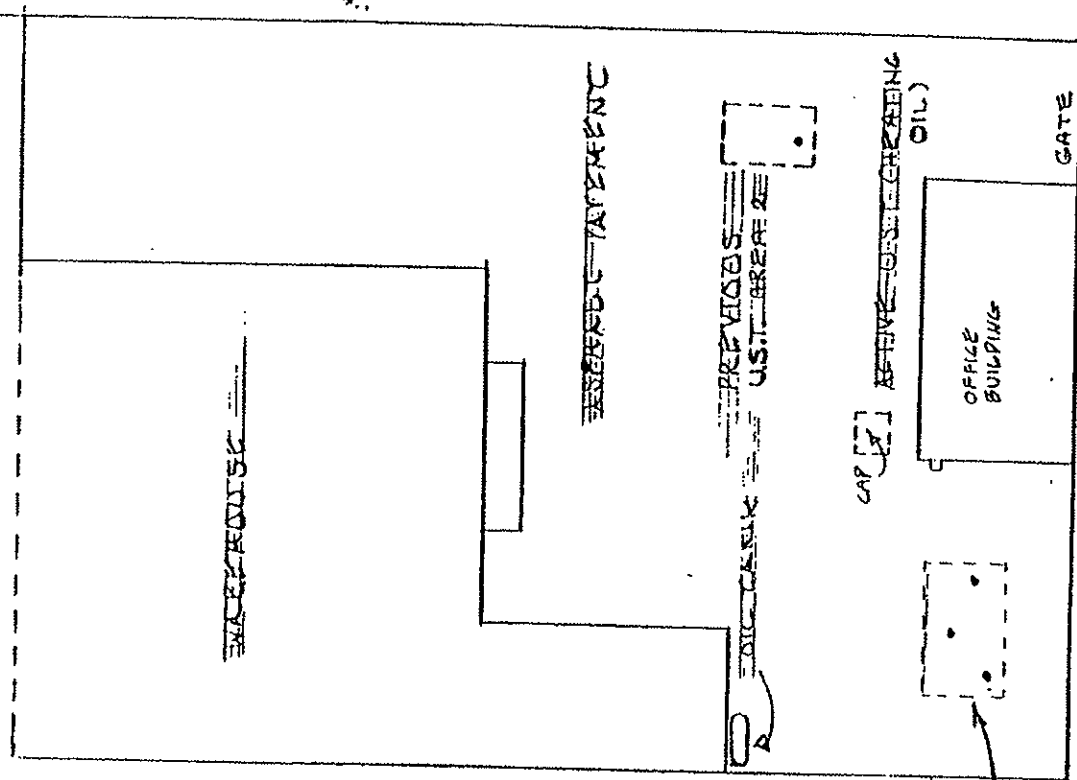


Figure 2: Site 1 Layout and Sample Locations

[] Tank Area and Sample Locations

PREVIOUS US-T-AREA

PARKS ST. SW

GEOMATRIX, INC.

Another UST was also located in front of the main office building and entrance to the site. In addition, an active underground fuel oil storage tank is located approximately 5 feet in front of the office building. The vent/overflow pipe for this tank is located at one corner of the office building and oil stains and "speedy dry" were observed in the vicinity of this pipe. The remainder of the area is paved with asphalt black top and concrete. In some areas from which USTs have been removed, the asphalt and concrete show signs of settlement and fracturing.

2.2 USE OF SITE #1

The site is currently used as an office area and parking for meter readers. The site, in general, was used for storage of precast concrete material, plastic piping, conduits, cables and wires. The warehouse was used as a paint shop and storage area, and an empty oil tank is presently stored in front of one of the warehouse bay doors. The warehouse area was also rented for a very brief period to a trucking company.

The 2 USTs which were located at the site were used to supply fuel to PEPCO vehicles. The other UST is presently used to store heating oil for the building.

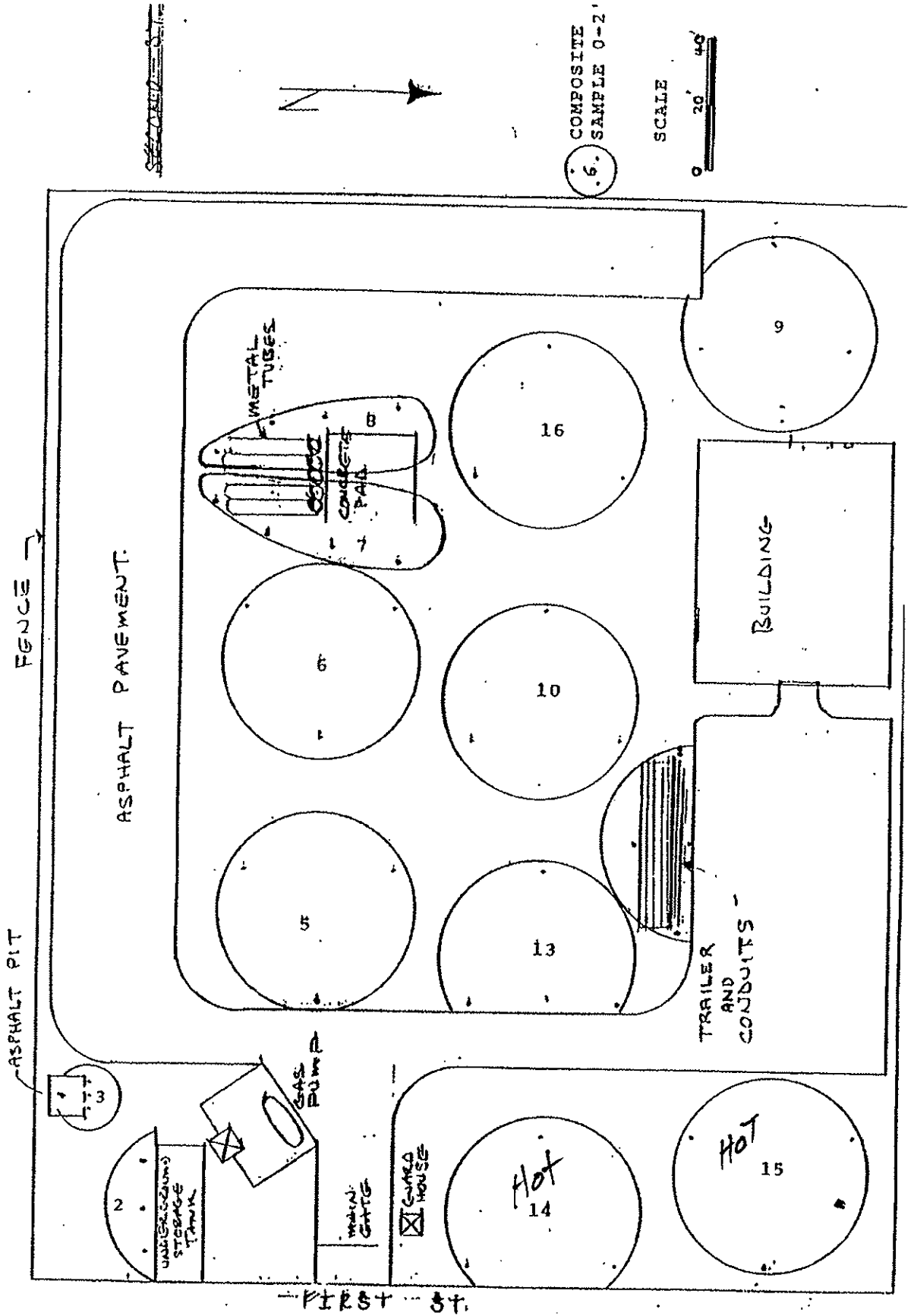
2.3 DESCRIPTION OF SITE #2

Site #2 (PEPCO Site #SQ 607) is located between First and Second and S and T Streets, SW. It occupies an area of approximately 89,250 square feet. The layout of the site is shown schematically on Figure 3. The site is completely fenced with restricted access via a key card operated gate from First Street. A small guard house is located inside the gate on the right and on the left a storage shed is located, an active gasoline pump island, and an active UST. In addition, behind the UST and along the R Street fence, there is a small, shallow concrete pit area.

A concrete pad, enclosed on 3 sides by concrete walls approximately 3 feet high, is located in the east central portion of the site. Several large diameter steel pipes were located adjacent to the pad. North of the concrete pad is a metal building and southeast of the building, conduits were located on the ground and on a flat bed trailer. Further east of the conduits and trailer and north of the guard house is an area covered with "blue stone" gravel. The remainder of the site is an unpaved area bounded by asphalt paved driveways.

2.4 USE OF SITE #2

The storage shed, gasoline island and UST area are currently used to store and supply motor oil and fuel to PEPCO vehicles. The small, shallow concrete pit area behind the UST is presently



COMPOSITE
 6. SAMPLE 0-2'
 SCALE 0 20 40

Figure 3: Site 2 Layout and Sample Locations

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used to store an asphalt gravel mix. The concrete pad was occupied by soils and other debris. Adjacent to this pad several large diameter steel pipes were stored. The other areas of Site #2 were used for miscellaneous storage and parking of vehicles.

2.5 DESCRIPTION OF SITE #4

Site #4 (PEPCO Site #SQ 661) is located between First and R Streets, SW. It occupies an area of approximately 69,375 square feet. The site is, at present, a vacant lot that is completely fenced (see Figure 4).

2.6 USE OF SITE #4

Based on information from PEPCO, the site was used for the storage of excavated soil from an adjacent area now occupied by two storage tanks. The stock pile of excavated soils was recently spread over the site and graded.

2.7 SITES #3 AND 5

As a result of responses to the questionnaires, meetings and discussions with PEPCO personnel and a site reconnaissance of Site #3, it was decided to defer complete assessment of these two sites for the following reasons:

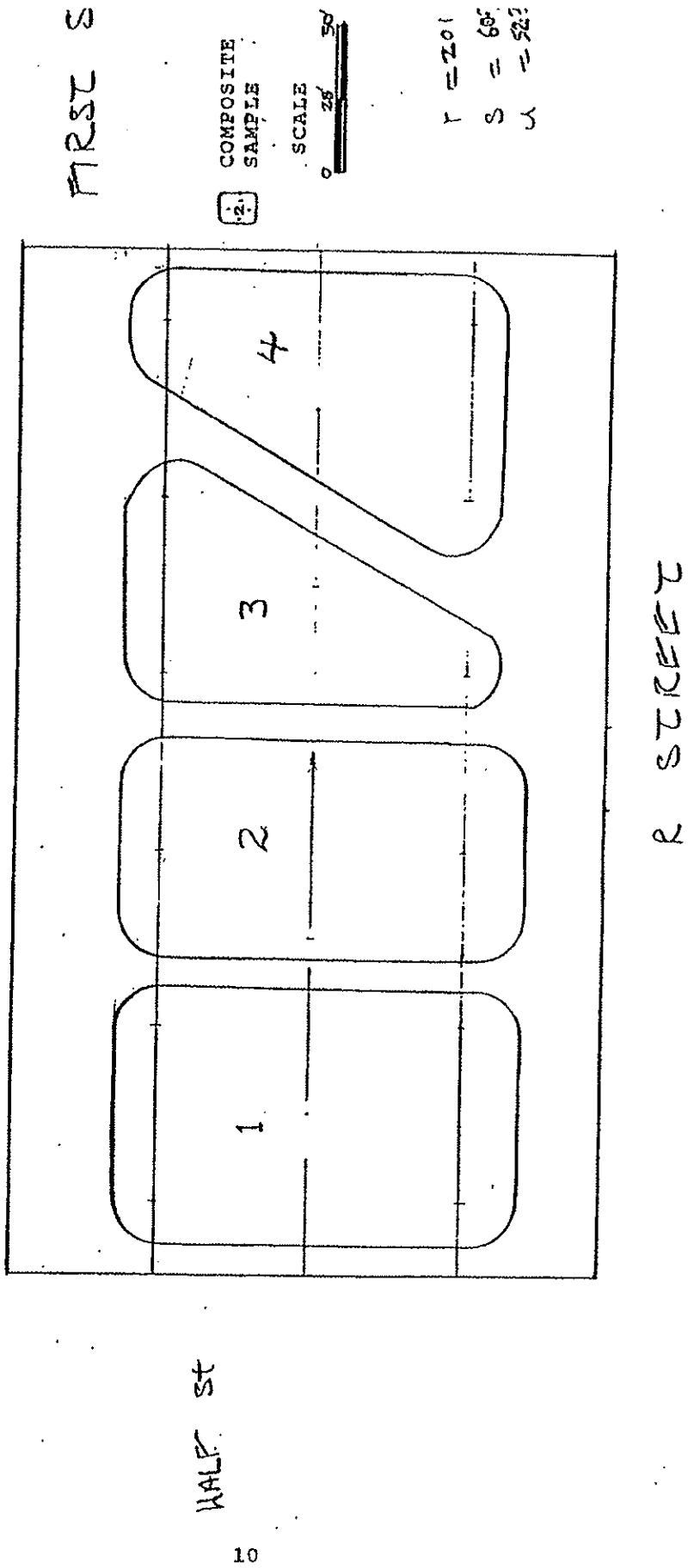
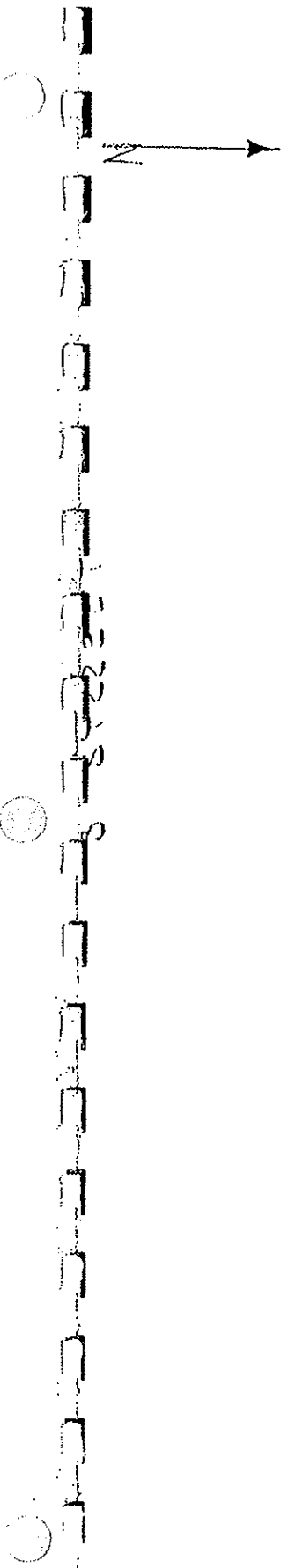


Figure 4: Site 4 Layout and Sample Locations

- o Site #3 was actively being used by one of PEPCO's contractors, W.A. Chester, Inc., as a storage yard, parking area, and maintenance area for vehicles. As a result of Site #3's highly active status, any assessment made of the site could be subject to change due to on-going use of the site.
- o Site #5 is active in some areas and is being used as a substation. Therefore, as in the case of Site #3, a complete assessment at this time could be subject to change.

2.8 SUMMARY OF SITE ACTIVITIES

Based on the information provided by PEPCO by way of answers to the questionnaires, meetings and phone conversations coupled with site visits, a summary of activities and uses at the sites was developed and is given in Table 2. In general, all of the sites were used for storage of materials and support equipment. In addition to storage, Site #5 was an electric power generating plant. More recently power generation has been significantly reduced at the plant.

TABLE 2: SUMMARY OF SITE ACTIVITY, USE, AND POTENTIAL CONTAMINANTS

SITE/SQUARE NUMBER	PEPCO OPERATION	ACTIVITY AREA	SITE USE	POTENTIAL CONTAMINANTS
1/603	Meter Reader Office Stores	Area 1 UST Area 2 UST	Office, Fueling Storage of Precast Material Plastic Pipe, Conduits and Wires	Lead, Petroleum Hydrocarbons
2/607	T & D Constr. Conduit	UST asphalt pit concrete pad & metal pipe area conduits parking area open unpaved storage area	Miscellaneous storage yard, fueling and parking of vehicles	Lead, hydrocarbons tar compounds metals, PCBs, hydrocarbons oils, metals, PCBs oil leaks, TPH metals, PCBs, oils TPH
3/609 & 611	T & D Constr. Conduits Stores Contractor Use	Entire area	By W.A. Chester, Inc. Staging area, vehicle main. Scrap pile, cables, oils & solvents, old coal storage	TPH, metals, PCBs, sulfur, and other coal derivatives
4/661	Generating	storage of excavated earth	Soil Storage from excavation of gas turbines, and tanks	metals, hydrocarbons
5/665	Generating	Power Plant	Active substations	PCBs, TPH

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3.0 FIELD INVESTIGATION PROGRAM

Following the assessment of the sites, Geomatrix developed and conducted a field sampling program. The field program included the selection of sample locations and depths, based on use, activities, and potential contaminants at the sites. The field sampling analysis program that was carried out at the sites is summarized in Table 3.

For Sites 2 and 4, a sampling grid was developed and laid out in accordance with the EPA Grid System for the verification of PCB clean up. A number of sample points were combined to form composite samples. The actual locations of the points and number of points per composite sample were modified in the field as necessary to ensure adequate coverage of the areas of interest.

Prior to sampling, an area was set up for decontamination of the sampling equipment. The following steps were taken to reduce the possibility of cross-contamination of the samples. The sampling equipment was decontaminated before taking samples and immediately following the collection of each composite sample. Decontamination was carried out by washing the split spoon sampler, the bowls, and mixing trowels in tap water andalconox (a biodegradable detergent), rinsing with clean tap water, spraying the sampling tools with hexane, rinsing with distilled water, and allowing them to air dry.

TABLE 3: BUZZARD POINT SAMPLING/ANALYSIS PROGRAM

SITE #	AREA	# OF SAMPLES AND TYPE	# OF POINTS PER COMPOSITE	SAMPLE #	DEPTH OF SAMPLES/ft	ANALYSIS PERFORMED
1	UST 1	2-Composite	3	1, 2	3-5 & 8-10	EP Tox, TPH BTEX
1	UST 2	2 - Single	1	3, 4	3-5 & 8-10	EP Tox, TPH BTEX
2	UST	1-Composite	3	2	0-2	EP Tox, TPH BTEX
2	Asphalt Pit	1-Composite	3	3	0-2	Base Neutral Extractables
2	Open Area	6-Composite	4 @ 9 3	5, 6, 9, 10, 13, 16	0-2	EP Tox, TPH PCB
2	Concrete Pad	2-Composite	4	7, 8	0-2	EP Tox, TPH PCB
2	Conduits	1-Composite	4	11	0-2	EP Tox, TPH PCB
2	Parking Area	2-Composite	3	14, 15	0-2	TPH
4	Open Lot	4-Composite	5 @ 1 4 @ 2, 3, 4	1, 2, 3, 4	0-2	EP Tox, TPH

A drill rig was used to collect the soil samples by driving a 2" diameter split spoon sampler approximately 2 feet into the ground. Portions of the sample recovered from the spoon was placed in a stainless steel bowl and thoroughly mixed with samples from the other sampling points to form a composite sample. The composited sample was placed in glass jars and stored at approximately 4°C and shipped to the lab for analysis.

3.1 Site #1

Two areas at Site #1 were sampled. Area 1 was located to the north of the office building. Two composite soil samples were collected from 3 sample points as shown on Figure 2. Sample 1 was made up of soil samples from a depth of 3 to 5 feet. Sample #2 was taken from the same 3 locations at depths of 8 to 10 feet.

Area 2 was located east and in front of the office building. Two single samples were collected; Sample #3 from a depth of 3 to 5 feet and the other, Sample #4 from 8 to 10 feet. Sample #3 had a strong petroleum hydrocarbon odor. This odor was not as pronounced in Sample #4.

3.2 Site #2

The sampling points for Site #2 were located based on the grid system. The sample locations and the number of sampling

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points forming each composite is shown on Figure 3. Thirteen composite soil samples were collected from a depth of 0 to 2 feet.

A number of samples, namely Sample #1, 4, and 12, were not collected as originally planned. Samples #1 and #4, located in the vicinity of the UST and pump island, were not collected because of underground utilities in the vicinity of these locations. Sample #12 (a composite of 2 points) was combined with Sample #11 (a composite of 2 points) to form one composite sample for the vicinity of the trailer and conduits.

3.3 Site #4

The sampling points were determined and laid out based on the grid method used at Site #2. The sample locations and number of points associated with each composite sample are shown on Figure 4. Four composite soil samples were collected from a depth of 0 to 2 feet at the locations shown on Figure 4.

4.0 ANALYTICAL RESULTS

The laboratory analytical results are given in Appendix B and are summarized in Table 4. The results are discussed below for each site.

4.1 SITE #1

The four soil samples collected from Site #1 were submitted for the following analysis: TPH, BTEX, and EP Toxicity (metals). The results showed no detectable concentration of BTEX or EP Toxicity metals for the two samples from Area 1. TPH of 32 ppm was, however, detected in Sample #1 only.

In Area 2, Sample #3 had a strong hydrocarbon odor and the analyses showed TPH of 1440 ppm and ethylbenzene of 1 ppm. No other BTEX parameters were detected and no EP Toxic metals were detected. Sample #4 showed no TPH, BTEX, and/or EP Toxic metals.

4.2 SITE #2

The thirteen composite soil samples which were collected from Site #2 at a depth of 0 to 2 feet and were submitted for analysis of one or more of the following parameters, EP Toxicity, metals, TPH, PCB, and Base Neutral compounds. The results, see

TABLE 4: SUMMARY OF ANALYTICAL RESULTS IN PPM

SITE #	AREA	SAMPLE #	SAMPLE DEPTH	TPH	B	T	E	X	PCB	ABNE *	E P T O X I C I T Y (M E T A L S)												
											An	Ba	Cd	Cr	Pb	Hg	Se	Ag					
1	UST 1	1	3-5	32	-ND	-	-	->	N/A	N/A	-ND	-	-	-	-	-	-	-	-	-	-	-	
1	UST 1	2	8-10	-ND	-	-	-	->	N/A	N/A	-ND	-	-	-	-	-	-	-	-	-	-	-	-
1	UST 2	3	3-5	1440	ND	ND	1	ND	N/A	N/A	-ND	-	-	-	-	-	-	-	-	-	-	-	-
1	UST 2	4	8-10	-ND	-	-	-	->	N/A	N/A	-ND	-	-	-	-	-	-	-	-	-	-	-	-
****	*****	*****	*****	*****	***	***	***	***	***	***	****	****	****	****	****	****	****	****	****	****	****	****	****
2	UST	2	0-2	170	-ND	-	-	-	->	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	ASPHALT PIT	3	0-2	N/A	-	-	-	-	->	ND*	-N/A	-	-	-	-	-	-	-	-	-	-	-	-
2	OPEN UNPAVED STORAGE	5	0-2	240	-ND	-	-	->	ND	N/A	-ND	-	-	-	-	-	-	-	-	-	-	-	-
		6	0-2	240	-ND	-	-	->	ND	N/A	-ND	-	-	-	-	-	-	-	-	-	-	-	-
		7	0-2	360	-ND	-	-	->	ND	N/A	-ND	-	-	-	-	-	-	-	-	-	-	-	-
		8	0-2	130	-ND	-	-	->	ND	N/A	-ND	-	-	-	-	-	-	-	-	-	-	-	-
		9	0-2	240	-ND	-	-	->	ND	N/A	-ND	-	-	-	-	-	-	-	-	-	-	-	-
		10	0-2	110	-ND	-	-	->	ND	N/A	-ND	-	-	-	-	-	-	-	-	-	-	-	-
		11	0-2	100	-ND	-	-	->	ND	N/A	-ND	-	-	-	-	-	-	-	-	-	-	-	-
		13	0-2	190	-ND	-	-	->	ND	N/A	-ND	-	-	-	-	-	-	-	-	-	-	-	-
		14	48		-ND	-	-	->	ND	N/A	-ND	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE 4: SUMMARY OF ANALYTICAL RESULTS IN PPM, CONT'D

SITE #	AREA	SAMPLE #	SAMPLE DEPTH	TPH	B	T	E	X	PCB	ABNE *	E P T O X I C I T Y (M E T A L S)									
											An	Ba	Cd	Cr	Pb	Hg	Se	Ag		
		15		64																
		16	0-2	190	ND			→	ND	N/A	ND	→	→	→	→	→	→	→	→	→
****	*****	*****	*****	****	***	***	***	***	***	****	****	****	****	****	****	****	****	****	****	****
4	OPEN LOT	1	0-2	ND	N/A					→										
4	OPEN LOT	2	0-2	ND	N/A					→										
4	OPEN LOT	3	0-2	ND	N/A					→										
4	OPEN LOT	4	0-2	ND	N/A					→										
												0.1	0.1	0.1	0.1					

ABNE* - Acid, Base, Neutral Extractables.
 D** - Detected; see Appendix B for list of parameters.
 N/A - Not analyzed for this sample.
 ND - Not detected.
 ND* - Bis(2-ethylhexyl) phthalate detected = 1.

Table 4, showed that of the parameters analyzed for, only TPH was detected. Ten of the thirteen samples showed TPH concentrations ranging from 100 ppm to 360 ppm as shown in Table 4.

4.3 SITE #4

The four composite soil samples collected from Site #4 at depths of 0 to 2 feet were submitted for EP Toxic metals and TPH analyses. The results (see Table 4) showed that none of these parameters were detected, except for chromium which was detected at what can be considered a trace amount of 0.1 ppm.

5.0 CONCLUSIONS

Based on the information provided by PEPCO and the field sampling and analyses program conducted at the sites, the following conclusions can be reached:

- o Site #4 can be considered free of contamination and "environmentally clean" with respect to the parameters that were analyzed for.
- o TPH is present in the soils at Sites #1 and #2.
- o The actual extent of TPH presence and concentration is not known for Area 2 at Site #1. In the case of Site #2, TPH presence appears to be fairly well distributed across the site.

***A*dvantage *E*nvironmental
*C*onsultants, LLC**

PHASE II ENVIRONMENTAL SITE ASSESSMENT

**Buzzard Point
2nd Street and V Street, SW
Washington, DC 20024**

**AEC Project No. 05-093
June 10, 2005**

Prepared for:

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EXECUTIVE SUMMARY

This Phase II Site Assessment Report has been developed for The John Akridge Companies, Inc. for the Buzzard Point property (the "Site") by Advantage Environmental Consultants, LLC (AEC). Based on information provided by The John Akridge Companies, Inc., the development plan includes construction of mixed use buildings with basement parking garage(s). As part of this development, it is planned to excavate the majority, if not all, of the subsurface materials to depths between 30-50 feet below ground surface (bgs). This work was done in support of the calculation of contaminated soil volume estimates and to identify other environmental issues related to the construction of subsurface structures during the proposed development of the Site.

The Site is bound by V Street, SW, 2nd Street, SW, S Street, SW and 1st Street, SW. The real estate designation is Square 607 Lot 13, Square 609 Lot 804, and Square 611 Lots 19 and 810. The total site area is 384,052 square feet.

Thirty soil borings were advanced on the Site in a general grid pattern. Some select areas were focused on during this investigation. These areas are known potential contaminant sources, and included: the former fleet fueling station (Underground Storage Tank (UST) system) in the northern area of the Site (at the corner of 1st Street, SW and T Street, SW); and, the retired 1.9-million gallon above-ground storage tank (AST) and associated underground petroleum transfer lines and oil-water separation or valve pits in the southern area of the Site. The borings were advanced using two Geoprobe rigs. The drilling activities occurred on May 21 and 22, 2005.

Field Methodology Summary

In general, soil samples were collected at the Site from three depth intervals: surface soil (0.5 to 2 foot bgs (below the pavement and sub-base)); shallow soil (2 to 3 feet bgs); and, deep soil (from zones exhibiting elevated photoionization detector (PID) readings or directly above the water table). Grab soil samples were collected from all of the borings from varying intervals, including shallow and deeper zones. Groundwater samples were also collected from multiple locations at the Site using temporary PVC wells.

The soil samples were analyzed for the following: Total Petroleum Hydrocarbon (TPH) Gasoline Range Organics (GRO) and Diesel Range Organics (DRO) via Environmental Protection

Agency (EPA) Method 8015M, Volatile Organic Compounds (VOCs) via EPA Method 8260, priority pollutant metals via EPA Methods 200.7 and 245.4, lead via EPA SM3113B, Polychlorinated Biphenyls (PCBs) via EPA Method 8082, Toxicity Characteristic Leachate Procedure (TCLP) metals via EPA Methods 1311/200.7 and 1311/245.1, and ignitability via EPA Method 40 CFR 261.21. The groundwater samples were analyzed for the following: TPH DRO via EPA Method 8015M, VOCs via EPA Method 8260, and dissolved lead via EPA SM3113B. The dissolved lead samples were field filtered prior to containerization using new, pre-cleaned 0.45 micron disposal filters

Soil Analytical Results Summary

The results of the TPH GRO and DRO in soils analyses identified TPH DRO concentrations in six of the 24 soil samples collected by AEC from the Site. None of the soil samples indicated TPH GRO concentrations. All six soil samples which were above the laboratory detection limit were collected from within the fill material. None of the deeper samples collected from the native material indicated TPH DRO concentrations above detection limits. The TPH DRO concentrations above the laboratory detection limit in the soil samples ranged from 11 milligrams per kilograms (mg/kg) in sample B-7 (6') to 77 mg/kg in sample B-10 (11-12'). These samples were also screened with a PID during drilling operations, but none of the samples responded significantly above background levels. Results of the soil sampling indicate that the TPH DRO contamination is widely distributed across the Site, and is therefore thought to be associated with either limited size petroleum surface spills, or coal dust and fragments mixed into the fill material. None of the TPH GRO or DRO sample analysis results exceed the DC Department of Health (DCDOH) Leaking Underground Storage Tank (LUST) standards.

The results of the VOC in soils analyses identified VOC concentrations in one of the nine soil samples collected by AEC from the Site. This sample, B-11 (2-3'), was collected from within the fill material at a relatively shallow depth. It should be noted that all of the soil samples which were non-detect for VOCs were also collected from within or directly below the fill material. The majority of the VOCs detected in B-11 are associated with petroleum hydrocarbons. URS Corporation (URS) conducted a Limited Phase II Environmental Investigation in January 2005 and advanced one of their 12 borings in the immediate vicinity of B-11. The soil sample collected from this boring (URS B-2 19 feet bgs) was non-detect for TPH GRO and DRO; however, a groundwater sample from this boring indicated a TPH GRO concentration of 110 micrograms per liter (ug/l). These samples were also screened with a PID

during drilling operations, but none of the samples responded significantly above background levels. Results for sampling of the VOCs indicate that the VOC contamination is not widely distributed across the Site and is therefore thought to be associated with a limited size petroleum surface spill. None of the VOC sample analysis results exceed the DCDOH Residential Soil - Generic Soil Quality Standards.

The results of the lead in soils analyses identified lead concentrations in 26 of the 28 soil samples collected by AEC from the Site. All of the 26 soil samples with lead concentrations above the laboratory detection limit were collected from within or directly above the fill material. The lead concentrations in soil samples B-13 (2-3'), and B-16 (2.5') were below the laboratory detection limit. The remainder of the lead concentrations in soil samples ranged from 1.8 mg/kg in sample B-21 (7') to 1,000 mg/kg in sample B-24 (7-8'). Results for sampling of the metals indicate that the lead contamination is widely distributed across the site. None of the lead sample analysis results exceed the DCDOH Residential Soil - Generic Soil Quality Standards, with the exception of B-10 (11-12') and B-24 (7-8').

The other priority pollutant metal of potential concern related to past Site use is arsenic. The results of the arsenic in soils analyses identified arsenic concentrations in eight of the ten soil samples collected by AEC from the Site. All of the eight soil samples with arsenic concentrations above the laboratory detection limit were collected from within the fill material. The arsenic concentrations range from below the laboratory detection limit in samples B-21 (7') and B-9 (4') to 8.2 mg/kg in sample B-24 (7-8'). All of the arsenic sample analysis results exceed the DCDOH Residential Soil - Generic Soil Quality Standards. The range of arsenic concentrations in the eastern United States presented in Elements in North American Soils (Dragun and Chiasson, 1991) is <1.0 mg/kg to 73 mg/kg with a mean of 7.4 mg/kg. Therefore, arsenic in Site soils appears to be naturally occurring. Furthermore, AEC understands that the proposed arsenic cleanup level at the Spring Valley World War I era chemical weapons testing range cleanup site in DC is 20 mg/kg. This means that any concentration lower than 20 mg/kg can be left in place in this residential neighborhood. This cleanup level was recommended by the Spring Valley Scientific Advisory Panel as proposed by the EPA. The Spring Valley cleanup level is significantly higher than any concentration detected at the Site.

The PCB concentrations in all eleven of the soil samples collected by AEC from the Site were below the laboratory detection limit. The PCB concentrations in all nine of the soil and all four

of the groundwater samples collected by URS from the Site were also below the laboratory detection limit.

Soil samples were collected from multiple locations and varying depths across the Site. The purpose of these samples was to characterize the soil material that will be disturbed and may require special disposal in connection with the proposed construction of the subsurface structures at the Site. The soil samples were analyzed for common waste characterization analytes including: TCLP metals; ignitability; TPH GRO and DRO; VOCs; and PCBs. In conclusion, the results of all of the analysis discussed above did not identify any compounds or characteristics which would preclude the disposal of any of the designated soil at a commercial petroleum contaminated soil-disposal facility.

As a general note, during construction excavation operations, hydrocarbon odor in soil is as important a driver as the laboratory derived hydrocarbon concentration for determining if the soil is clean or hydrocarbon contaminated. The assumption is that "contamination" is defined as soils with TPH or other VOC concentrations greater than the laboratory detection limit, or for PID-screened soils, the background concentration (usually less than 5 parts per million (ppm)). Because all of the soil (both contaminated and uncontaminated) is to be removed during construction activities, and any level of contamination makes soil unsuitable for clean fill or construction debris, the commonly used 100 mg/kg TPH DCDOH LUST standard is not appropriate for this project. The 100 mg/kg TPH DCDOH LUST standard is typically used as a guideline for determining which contaminated soil can be left in place.

Groundwater Analytical Results Summary

The TPH DRO concentrations in all five of the groundwater samples collected by AEC from the Site were below the laboratory detection limit. The TPH DRO concentrations in six of the seven groundwater samples collected by URS from the Site were also below the laboratory detection limit. The groundwater sample from URS boring B-11 indicated a TPH DRO concentration of 550 ug/l. This boring is located at the southern end of the Site, down gradient of the AST.

The results of the VOC in groundwater analyses identified VOC concentrations in one of the ten groundwater samples collected by AEC from the Site. This groundwater sample, B-9, was collected from the vicinity of the former vehicle fueling station in the southeastern portion of the northern Site lot. The majority of the VOCs detected in B-9 are associated with chlorinated

hydrocarbons. Results for sampling of the VOCs indicate that the VOC contamination is not widely distributed across the Site. None of the VOC sample analysis results exceed the DCDOH Residential Groundwater - Risk Based Screening Levels, with the exception of vinyl chloride and trichloroethene. It should be noted that groundwater is not used as a potable water source in the Site vicinity.

The results of the analysis did not identify the presence of dissolved lead above the laboratory detection limits in all 12 of the groundwater samples collected by AEC from the Site.

Site Condition Summary

Low levels of TPH and VOCs in soil and groundwater have been detected throughout the Site. In general, the TPH and VOCs in soil are found primarily in the upper 12 feet in the artificial fill material. Generally low levels of lead in soil (with two exceptions) and low levels of arsenic in soil have also been detected in the artificial fill material. These contaminants are thought to be associated with either limited size petroleum surface spills, or coal dust and fragments mixed into the fill material. In the case of the chlorinated hydrocarbon groundwater contamination near the former vehicle fueling station (southeastern portion of the northern Site lot), the low levels and limited extent of impact makes this issue less significant. In addition, the possible lead in groundwater and PCB in soil contamination issues have been ruled out as issues of concern.

Based on the historic presence of significant quantities of Liquid Phase Hydrocarbon (LPH) in soil and groundwater at the adjacent Buzzard Point Generating Station, the ongoing groundwater remediation project, and the groundwater flow direction, this property could be considered to be a long term concern to the Site. This concern increases based on the selection of the foundation for the proposed development. If the proposed subsurface structures are constructed to require continuous dewatering then the risk of hydrocarbon contaminated groundwater from offsite entering the dewatering system is elevated. If the foundation is constructed so that dewatering is not necessary, this risk is minimized.

1.0 INTRODUCTION

1.1 Project Introduction and Purpose

This Phase II Site Assessment Report has been developed for The John Akridge Companies, Inc. for the Buzzard Point property (the "Site") by Advantage Environmental Consultants, LLC (AEC). Based on information provided by The John Akridge Companies, Inc., the development plan includes construction of mixed use buildings with basement parking garage(s). As part of this development, it is planned to excavate the majority, if not all, of the subsurface materials to depths between 30-50 feet below ground surface (bgs). This work was done in support of the calculation of contaminated soil volume estimates and to identify other environmental issues related to the construction of subsurface structures during the proposed development of the Site.

1.2 Site Location and Description

The Site is situated in a medium-density, mixed commercial, industrial, and government-use area of southwest Washington DC that is referred to as Buzzard Point. The area consists of several properties owned by the Potomac Electric Power Company (PEPCO), including the Site, the decommissioned Buzzard Point Generating Station and active combustion turbine yard (CT Yard), and a former bulk fuel storage facility. Additional adjacent properties include a scrap metal yard, a US military fort, a US military (Coast Guard) headquarters building, and two marinas. Additional industrial and commercial business are located further north and east of the Site and the Anacostia River is present approximately 330 feet southeast and south of the Site. A Site Vicinity Map showing the approximate site location is included as Figure 1 in Appendix A.

The Site consists of four individual lots in three adjacent squares (Square 607, Lot 13; Square 609, Lot 804; and Square 611, Lots 19 and 810) which comprise approximately 384,051 square feet. The Site is bound by S Street, SW to the north, 1st Street, SW to the east, V Street, SW to the south, and 2nd Street, SW to the west. T Street, SW transects the Site, and divides it into a small northern lot and a larger southern lot.

Currently, the Site is used as two fenced parking lots; however, the Site has been owned by PEPCO since 1929, and was formerly used as a coal storage yard, a vehicle fueling area with

Underground Storage Tanks (USTs), a bulk #6 fuel oil above-ground storage tank (AST), and a laydown area (equipment storage) for the eastern adjacent decommissioned PEPCO generating station.

Improvements at the Site include a prefabricated metal building and storage trailers at the northern Site boundary, an unused bulk #6 fuel oil AST and an associated fire fighting foam house at the southern portion of the Site, and guard stands at the entrances to the parking lots. Other improvements include parking medians, light poles and landscaping. The parking lots are leased from PEPCO by the US government. This Phase II Site Assessment was performed for financing purposes, to document any known contaminants, and discover the existence of any unknown contaminants at the Site. A site plan is included as Figure 2 in Appendix A.

1.3 Site Topography and Hydrology

AEC reviewed a copy of the United States Geological Survey (USGS) 7.5 Minute Series, Alexandria, Virginia Topographic Quadrangle map dated 1994. According to the map, the elevation of the Site is approximately 14 feet above mean sea level (msl). The area on and around the Site is relatively level, with the natural topographic gradient across the Site being south-southwest. The Site area was illustrated with the prefabricated building at the northern Site boundary, an apparent access road from T Street, SW onto the northern Site lot, and the bulk fuel storage AST at the southern portion of the southern Site lot. No surface bodies of water were illustrated on the Site.

1.4 Site History

The review of the historical resources (as discussed in the Phase I Environmental Site Assessment (ESA) commissioned for the property) indicated that the southern Site lot was used for a coal storage yard with an associated railroad siding from the late 1920s until the PEPCO Generating Station began using fuel oil to power the plant in the mid 1970s. From this point until the Generating Station was decommissioned in 1981, the southern Site lot was used for bulk fuel storage. The northern Site lot appeared to have been used for vehicle fueling and storage from the late 1960s until the USTs were removed in 1988 and 1993.

1.5 Summary of Potential Sources of Contamination

1.5.1 Onsite Concerns

The northern Site lot was previously used by PEPCO as a vehicle fueling station and storage

lot. One 20,000-gallon gasoline UST, one 6,000-gallon gasoline UST, and one 6,000-gallon diesel fuel UST were previously located at the southeastern portion of the northern Site lot, identified as 180 S Street, SW and as the Buzzard Point gas station. Both of the 6,000-gallon USTs were removed from the Site in November, 1988. Regulatory review revealed two separate UST listings that reference two 6,000-gallon gasoline USTs and two 6,000-gallon diesel fuel USTs at the Site; however, it appears that these listings are incorrect. Leaking Underground Storage Tank (LUST) Cases were not identified in association with the removal of the two 6,000-gallon USTs.

The Site was identified in LUST Case 93-094 in relation to the 20,000-gallon UST, which was removed in September 1993. According to the regulatory file at the DC Department of Health (DCDOH), confirmation soil samples that were collected during the removal of the UST were not significantly contaminated; however, groundwater samples were above regulatory limits for some constituents. As a Comprehensive Site Assessment (CSA) was already being prepared for the adjacent PEPCO Generating Station at this time, the DCDOH required PEPCO to prepare a CSA Addendum report to include the former 20,000-gallon UST site. A copy of the CSA Addendum report was not available for review; however, the LUST Case 93-094 file indicated that one monitoring well (MW-13) was installed in this area. Petroleum concentrations in soil during the installation of the monitoring well were below DCDOH action limits, while Benzene, Toluene, Ethyl benzene and Xylenes (BTEX) and Total Petroleum Hydrocarbon (TPH) constituents were above action limits in the initial groundwater sample. The BTEX concentration was 1.77 mg/l and the TPH concentration was 3.0 milligrams per liter (mg/l). Additional information was not provided in the LUST Case file; however, the LUST Case was granted regulatory closure on May 9, 1994.

A 1.9 million gallon capacity bulk fuel storage AST is located at the southern portion of the Site. The AST is surrounded by an approximate six foot high concrete containment dike. The exact installation date of this AST is unknown; however, historical research has revealed that it was installed when the adjacent PEPCO Generating Station was converted from being fueled by coal to using #6 fuel oil in the late 1960s. Mr. Shahid Anis of PEPCO stated in a previous report that he did not know whether releases from the bulk fuel storage AST had occurred. Reportedly, an underground pipeline connected the AST to the Generating Station. Mr. Anis did not provide any information regarding the pipeline or any related releases. Both the AST and the underground pipeline were taken out of service in 1981 when the Generating Station

was decommissioned. Reportedly, the AST has remained empty since that time and the pipeline was filled in place.

The review of the above-referenced historical sources indicated that the southern Site lot was used as a coal storage yard from the late 1920s until the PEPCO Generating Station began using fuel oil to power the plant in 1968. A railroad siding associated with this coal storage yard was aligned along the northern and eastern side of the southern Site lot. Contaminants of concern typically associated with a railroad siding are petroleum compounds (TPH DRO and GRO), Volatile Organic Compounds (VOCs), Polychlorinated Biphenyls (PCBs) and the metals arsenic and lead.

1.5.2 Offsite Concerns

The Buzzard Point Generating Station, located approximately 35 feet east across 1st Street from the Site, was identified in four separate LUST cases, one of which remains open (LUST Case No. 93-051). A file review at the DC DOH revealed that in the early 1970s, a release was reported from a four-inch diameter underground pipeline that connected the CT Yard of the Generating Station to the two, 0.411-million gallon #2 fuel oil ASTs located north across S Street from the CT Yard. The release was repaired, and one 15" diameter monitoring well was subsequently installed in the vicinity of the pipeline leak. Significant petroleum (gasoline and diesel) contamination was discovered in soil and groundwater at the CT Yard portion of the Generating Station property in 1993.

Initial assessments of the contamination revealed TPH concentrations ranging from 881 milligrams per kilogram (mg/kg) to 30,700 mg/kg. A total of 23 monitoring wells (MWs) were installed at this property in the vicinity of the CT Yard and the north adjacent bulk fuel storage ASTs, as well as at the southeast corner of the northern Site lot (due to its former use as a vehicle fueling area identified as 180 S Street, SW), between May 1993 and January 1995. The majority of the MWs installed at the CT Yard and north adjacent bulk fuel storage area have historically contained Liquid Phase Hydrocarbon (LPH). Groundwater flow direction has been documented at this property to be west and southwest, towards the Site.

PEPCO installed a soil vapor extraction (SVE) system in the CT Yard and at the southern portion of the bulk fuel storage area in January 1996, and operated the system through November 1999. The SVE system reportedly removed approximately 6,925 gallons of

petroleum. From May 2001 to April 2002, a portable high vacuum pump and treat system was used to recover LPH from two of the most contaminated wells (MW-5 and MW-11). The pump and treat system removed an estimated 1,350 gallons of LPH from these wells.

The wells and groundwater vacuum monitoring points (GVPs) appear to have been monitored monthly from January 2003 through July 2004, with semi-annual sampling events. Groundwater sampling data for this property that was dated March 8, 2004 indicated that groundwater contaminants in the three most down gradient wells were below Maximum Contaminant Levels and/or DC Water Quality Standards for BTEX and TPH Gasoline-Range Organics (GRO) and Diesel Range Organics (DRO), while levels of these constituents remained over the applicable regulatory standards in remaining MWs and GVPs. Currently, only passive remediation with absorbent booms and monitoring is ongoing at the Generating Station property.

Based on the historic presence of significant quantities of LPH in soil and groundwater at the adjacent Buzzard Point Generating Station, the ongoing groundwater remediation project, and the groundwater flow direction, this property could be considered to be a long term concern to the Site. This concern increases based on the selection of the foundation for the proposed development. If the proposed subsurface structures are constructed to require continuous dewatering then the risk of hydrocarbon contaminated groundwater from offsite entering the dewatering system is elevated. If the foundation is constructed so that dewatering is not necessary, this risk is minimized.

1.6 Previous Investigations

A number of items including tables and figures from the reports discussed below have been excerpted and placed in Appendix B to aid in the discussion.

Geomatrix conducted an assessment of the Buzzard Point Properties. The date of this assessment is unknown (a review of the document failed to provide a date at which the field work was performed or report was prepared). Due to the sampling methodology (composite) and the lack of an attached laboratory analytical report to the document received from PEPCO, this material was deemed only partially reliable.

URS Corporation (URS) conducted a Limited Phase II Environmental Investigation in January 2005 that included 12 soil borings completed to depths ranging from 10 feet to 32 feet bgs. This report did not include boring logs. In addition to the boring exploration, water from the two concrete pits located adjacent to the AST was also sampled and analyzed. The URS investigation did not include any sampling of surficial soils at the site; all sampling was at a depth of at least 10 feet below ground surface. This study did not include an investigation of Square 607.

Groundwater, pit water, and soils were sampled and analyzed for various chemical parameters including TPH GRO and DRO, VOCs, Semi-Volatile Organic Compounds (SVOCs), priority pollutant metals, and PCBs.

The result of the analyses indicated that some soils at the Site are impacted with petroleum hydrocarbons and groundwater is impacted with petroleum hydrocarbons and lead. The lead impact to groundwater was identified at both locations where analyses were performed. The lead concentrations in groundwater were elevated and were not likely to be the result of naturally occurring conditions. These lead concentrations ranged from 1,900 to 8,800 micrograms per liter (ug/l). URS concluded that there is evidence that soil and groundwater has been affected by releases of petroleum hydrocarbons, and the presence of combustion products and metals. The term "combustion product" is not defined but it may refer to the potential atmospheric fallout of emissions particulate from the adjacent generating station or perhaps the presence of coal in the fill material.

2.0 SUBSURFACE INVESTIGATION ACTIVITIES

2.1 Introduction

Thirty soil borings were advanced on the Site in a general grid pattern. Some select areas were focused on during this investigation. These areas are known potential contaminant sources, and included: the former fleet fueling station (UST system) in the northern area of the Site (at the corner of 1st Street, SW and T Street, SW); and, the retired 1.9-million gallon above-ground storage tank (AST) and associated underground petroleum transfer lines and oil-water separation or valve pits in the southern area of the Site. The borings were advanced using two Geoprobe rigs. The drilling activities occurred on May 21 and 22, 2005.

In general, soil samples were collected at the Site from three depth intervals: surface soil (0.5 to 2 foot bgs (below the pavement and sub-base)); shallow soil (2 to 3 feet bgs); and, deep soil (from zones exhibiting elevated photoionization detector (PID) readings or directly above the water table). Grab soil samples were collected from all of the borings from varying intervals, including shallow and deeper zones. Groundwater samples were also collected from multiple locations at the Site using temporary PVC wells. The TPH and VOC soil samples were generally collected from zones exhibiting elevated PID responses or other signs of contamination. The PCBs, priority pollutant metals, and lead soil samples were generally collected from the shallow soil intervals. The TCLP metals soil samples were generally collected from the interior of the Site near the existing lead in soil exceedances. The lead and VOCs in water samples were collected from locations distributed across the Site.

The soil samples were analyzed for the following: TPH GRO and DRO via EPA Method 8015M, VOCs via EPA Method 8260, priority pollutant metals via EPA Methods 200.7 and 245.4, Lead via EPA Standard Methods (SM) 3113B, PCBs via EPA Method 8082, Toxicity Characteristic Leachate Procedure (TCLP) metals via EPA Methods 1311/200.7 and 1311/245.1, and ignitability via EPA Method 40 Code of Federal Regulations (CFR) 261.21. The groundwater samples were analyzed for the following: TPH DRO via EPA Method 8015M, VOCs via EPA Method 8260, and dissolved lead via EPA SM3113B. The dissolved lead samples were field filtered prior to containerization using new, pre-cleaned 0.45 micron disposal filters.

2.2 Geoprobe Boring Advancement

Sample cores were collected continuously using 1.5-inch, inside-diameter, stainless steel macro-core samplers with new acetate liners. Cores were collected in four feet intervals by using a truck-mounted hydraulic press to drive the sampler through the stratum. All sampling equipment was decontaminated in the field using non-phosphate liquinox and distilled water prior to use. AEC contracted Bassett Environmental Associates, Inc. of Harrisburg, Pennsylvania and Hugo Drilling, Inc. of Knoxville, Maryland to perform the drilling activities.

Soil sample collection for laboratory analysis is discussed in Section 2.3. Groundwater sample collection for laboratory analysis is discussed in Section 2.4. Following completion of soil and groundwater sample collection, the temporary PVC wells were removed (if used at the location), the bore holes filled with the geoprobe cuttings, then topped with bentonite and capped with an asphalt patch (or top soil as appropriate). Boring locations are illustrated on Figure 2 in Appendix A, and copies of the boring logs for this investigation are included in Appendix C.

2.3 Soil Sampling Methodology

Upon retrieval, each soil sample was screened in the field using a handheld PID to screen for VOCs. For the most part no significant PID readings were detected in any of the borings. Following the screening, grab soil samples were collected from all of the borings from varying depth intervals. Some borings had multiple intervals sampled. All samples were placed in appropriate pre-cleaned, laboratory-supplied, four-ounce glassware. Once collected, the samples were placed on ice in a cooler to await shipment to the laboratory.

2.4 Groundwater Sampling Methodology

Groundwater samples from the temporary PVC wells were collected using a pre-cleaned disposable weighted bailer or a peristaltic pump with new PVC tubing for each location. Specifically, the sample from each well was placed in 40 milliliter glass jars with teflon-lined septa and preserved with hydrochloric acid, amber glass liter bottles preserved with hydrochloric acid, and 500 milliliter polyethylene bottles preserved with nitric acid. The samples designated to be analyzed for dissolved lead were field filtered using new pre-cleaned disposable pressure filters sized for metals analysis (0.45 microns). Once collected, the samples were placed on ice in a cooler to await shipment to the laboratory.

2.5 Sample Handling and Analysis

Samples were packaged for shipping using strict chain-of-custody procedures. The coolers were packed with individually wrapped sample containers and ice and sealed with laboratory provided custody seals and shipping tape. Samples were shipped to Anabell Environmental, Inc. in Gaithersburg, Maryland. The soil samples were analyzed for the following: TPH GRO and DRO via EPA Method 8015M, VOCs via EPA Method 8260, priority pollutant metals via EPA Methods 200.7 and 245.4, Lead via EPA SM3113B, PCBs via EPA Method 8082, TCLP Metals via EPA Methods 1311/200.7 and 1311/245.1, and ignitability via EPA Method 40 CFR 261.21. The groundwater samples were analyzed for the following: TPH DRO via EPA Method 8015M, VOCs via EPA Method 8260, and dissolved lead via EPA SM3113B.

3.0 INVESTIGATION ACTIVITY RESULTS

3.1 Soil Sample Analytical Results

Figure 3 in Appendix A and Table 1 in Appendix D summarize the results of the shallow soil samples analyzed for TPH GRO and DRO. Figure 4 in Appendix A and Table 1 in Appendix D summarize the results of the deep soil samples analyzed for TPH GRO and DRO. Figure 5 in Appendix A and Table 2 in Appendix D summarize the results of the soil samples analyzed for VOCs. Figure 6 in Appendix A and Tables 3 (lead only) and 4 (Priority Pollutant Metals) in Appendix D summarize the results of the soil samples analyzed for lead. Figure 7 in Appendix A summarize the results of the soil samples analyzed for PCBs. Figure 8 in Appendix A and Table 5 in Appendix D summarize the results of the soil samples analyzed for TCLP metals. Only lead concentrations (as opposed to all of the priority pollutant metals) are included in Figure 6 in Appendix A. Only those compounds with concentrations above the laboratory detection limits are included in the tables in Appendix D. Copies of the completed laboratory analytical reports and chain-of-custody forms for the samples are provided in Appendix E.

All TPH GRO concentrations in both the shallow and deep soil samples were below the laboratory detection limit. The TPH DRO concentrations in shallow soil samples B-1 (2'), B-3 (4'), B-5 (8'), B-6 (5'), B-8 (5'), B-9 (4'), B-16 (3.5-4'), B-20 (4'), B-22 (6'), B-23 (1'), B-24 (7-8'), B-26 (7-8'), and B-27 (6') were below the laboratory detection limit. The remainder of the TPH DRO concentrations in shallow soil samples ranged from 11 mg/kg in sample B-7 (6') to 50 mg/kg in sample B-21 (7'). The TPH DRO concentrations in deep soil samples B-11 (19'), B-12 (10'), B-19 (11-12'), B-25 (11'), and B-28 (9-10') were below the laboratory detection limit. The remainder of the TPH DRO concentrations in deep soil samples ranged from 20 mg/kg in sample B-14 (9') to 77 mg/kg in sample B-10 (11-12').

The results of the VOC analysis of the soil samples indicated all compounds below detection limits with the exception of various compounds detected in the sample from B-11 (2-3'). These compounds included Ethylbenzene (12 micrograms per kilograms (ug/kg)), total xylenes (100 ug/kg), Isopropylbenzene (37 ug/kg), 1,1,2,2-tetrachloroethane (14 ug/kg), N-propylbenzene (190 ug/kg), 1,3,5-Trimethylbenzene (230 ug/kg), Tert-butylbenzene (120 ug/kg), 1,2,4-Trimethylbenzene (120 ug/kg), Sec-butylbenzene (110 ug/kg), 4-Isopropyltoluene (81 ug/kg), and naphthalene (880 ug/kg). Acetone was detected in a limited number of soil samples.

Acetone is a common laboratory cross contaminant and is not thought to be a compound of concern at the site. Acetone concentrations are not shown on either the tables or figures.

The lead concentrations in soil samples B-13 (2-3'), and B-16 (2.5') were below the laboratory detection limit. The remainder of the lead concentrations in soil samples ranged from 1.8 mg/kg in sample B-21 (7') to 1,000 mg/kg in sample B-24 (7-8'). The other priority pollutant metal of potential concern related to past site use is arsenic. The arsenic concentrations range from below the laboratory detection limit in samples B-21 (7') and B-9 (4') to 8.2 mg/kg in sample B-24 (7-8').

The PCB concentrations in all eleven of the soil samples collected from the site were below the laboratory detection limit.

All of the metals concentrations in the soil samples were below the TCLP metals regulatory limits (pass as opposed to fail). The sample analyzed for ignitability (B-14 (5')) was also below the regulatory criteria (i.e., did not flash below designated temperature). This sample was representative of the coal dust material.

3.2 Groundwater Sample Analytical Results

Figure 9 in Appendix A summarizes the results of the groundwater samples analyzed for TPH DRO. Figure 10 in Appendix A and Table 6 in Appendix D summarize the results of the groundwater samples analyzed for VOCs. Figure 11 in Appendix A summarizes the results of the groundwater samples analyzed for dissolved lead. Only those compounds with concentrations above the laboratory detection limits are included in the tables in Appendix D. Copies of the completed laboratory analytical reports and chain-of-custody forms for the samples are provided in Appendix E.

The results of the analysis did not identify the presence of any TPH DRO above the laboratory detection limits in the groundwater samples collected from the site.

The results of the VOC analysis of the groundwater samples indicated all compounds below detection limits with the exception of various compounds detected in the sample from B-9. These compounds included vinyl chloride (160 ug/l), trans-1,2-dichloroethene (10 ug/l), cis-1,2-dichloroethene (1,300 ug/l), benzene (11 ug/l), trichloroethene (4,100 ug/l), and

tetrachloroethene (5.6 ug/l). Acetone was detected in a limited number of groundwater samples (B-9, B-17 and B-20). Acetone is a common laboratory cross contaminant and is not a compound of concern at the site. Acetone levels are not shown on either the tables or figures.

The results of the analysis did not identify the presence of any dissolved lead above the laboratory detection limits in the groundwater samples collected from the Site.

3.3 Local Geology and Hydrogeology

The Site is within the Atlantic Coastal Plain Physiographic Province. The Coastal Plain consists of a series of Cretaceous, Tertiary and recent-aged fluvial and marine deposits overlying crystalline basement rocks. The depth to the basement rocks is estimated to be about 150 feet in the vicinity of the site. The soils in the general vicinity of the Site are primarily interbedded clays, silts, sands and gravels belonging to the Pamlico Formation.

The soils beneath the Site consist of fill materials and interbedded clay, silt, sand and gravel deposits that are consistent with the Pamlico Formation. The fill materials range in depth from two feet to over 12 feet and consist of a mixture of sand, clay, silt, coal dust and fragments and construction debris. The average thickness of the fill is between seven and eight feet and increases to as much as 12 feet in the southern end of the Site. One feature of the fill is the existence of coal dust (silt to sand size particles) in a number of areas of the Site. This coal dust is found in borings B-7 (1.5-3.5 feet bgs), B-8 (1.5-2 feet bgs), B-11 (2.5-3.5 feet bgs), B-13 (1.5-3.5 feet bgs), B-14 (3.5-5.5 feet bgs), B-16 (1.5-3 feet bgs), B-19 (1.5-3 feet bgs), B-20 (1-2 feet bgs), and B-26 (6-7 feet bgs). In general, this material is fairly shallow and exists mainly in the western portion of the site. The underlying deposits consist of interbedded clays, sandy silts, and silty fine sands with occasional gravel.

The water table aquifer lies within the fill and underlying Pamlico deposits. The depth to groundwater within the water table aquifer ranges from about 6 to 12 feet across the site. A 24 hour water level was taken from one of the temporary well points from the central portion of the site and indicated a depth to water of approximately 9.7 feet bgs. According to information reviewed as part of this analysis, groundwater flow in the water table aquifer is from northeast to southwest.

4.0 SUMMARY AND EVALUATION OF RESULTS

4.1 TPH in Soil Results Evaluation

The results of the TPH GRO and DRO in soils analyses identified TPH DRO concentrations in six of the 24 soil samples collected by AEC from the Site. None of the soil samples indicated TPH GRO concentrations. All six soil samples which were above the laboratory detection limit were collected from within the fill material. None of the deeper samples collected from the native material indicated TPH DRO concentrations above detection limits. The TPH DRO concentrations above the laboratory detection limit in the soil samples ranged from 11 mg/kg in sample B-7 (6') to 77 mg/kg in sample B-10 (11-12'). These samples were also screened with a PID during drilling operations, but none of the samples responded significantly above background levels. Results of the soil sampling indicate that the TPH DRO contamination is widely distributed across the Site, and is therefore thought to be associated with either limited size petroleum surface spills, or coal dust and fragments mixed into the fill material. None of the TPH GRO or DRO sample analysis results exceed the DCDOH LUST standards.

4.2 VOCs in Soil Results Evaluation

The results of the VOC in soils analyses identified VOC concentrations in one of the nine soil samples collected by AEC from the Site. This sample, B-11 (2-3'), was collected from within the fill material at a relatively shallow depth. It should be noted that all of the soil samples which were non-detect for VOCs were also collected from within or directly below the fill material. The majority of the VOCs detected in B-11 are associated with petroleum hydrocarbons. URS advanced one of their 12 borings in the immediate vicinity of B-11. The soil sample collected from this boring (URS B-2 19 feet bgs) was non-detect for TPH GRO and DRO; however, a groundwater sample from this boring indicated a TPH GRO concentration of 110 ug/l. These samples were also screened with a PID during drilling operations, but none of the samples responded significantly above background levels. Results for sampling of the VOCs indicate that the VOC contamination is not widely distributed across the Site and is therefore thought to be associated with a limited size petroleum surface spill. None of the VOC sample analysis results exceed the DCDOH Residential Soil - Generic Soil Quality Standards.

4.3 Metals in Soil Results Evaluation

The results of the lead in soils analyses identified lead concentrations in 26 of the 28 soil samples collected by AEC from the Site. All of the 26 soil samples with lead concentrations

above the laboratory detection limit were collected from within or directly above the fill material. The lead concentrations in soil samples B-13 (2-3'), and B-16 (2.5') were below the laboratory detection limit. The remainder of the lead concentrations in soil samples ranged from 1.8 mg/kg in sample B-21 (7') to 1,000 mg/kg in sample B-24 (7-8'). The lead contamination is widely distributed across the Site. None of the lead sample analysis results exceed the DCDOH Residential Soil - Generic Soil Quality Standards, with the exception of B-10 (11-12') and B-24 (7-8').

The other priority pollutant metal of potential concern related to past Site use is arsenic. The results of the arsenic in soils analyses identified arsenic concentrations in eight of the ten soil samples collected by AEC from the Site. All of the eight soil samples with arsenic concentrations above the laboratory detection limit were collected from within the fill material. The arsenic concentrations range from below the laboratory detection limit in samples B-21 (7') and B-9 (4') to 8.2 mg/kg in sample B-24 (7-8'). All of the arsenic sample analysis results exceed the DCDOH Residential Soil - Generic Soil Quality Standards. The range of arsenic concentrations in the eastern United States presented in Elements in North American Soils (Dragun and Chiasson, 1991) is <1.0 mg/kg to 73 mg/kg with a mean of 7.4 mg/kg. Therefore, arsenic in Site soils appears to be naturally occurring. Furthermore, AEC understands that the proposed arsenic cleanup level at the Spring Valley World War I era chemical weapons testing range cleanup site in DC is 20 mg/kg. This means that any concentration lower than 20 mg/kg can be left in place in this residential neighborhood. This cleanup level was recommended by the Spring Valley Scientific Advisory Panel as proposed by the EPA. The Spring Valley cleanup level is significantly higher than any concentration detected at the Site.

4.4 PCBs in Soil Results Evaluation

The PCB concentrations in all eleven of the soil samples collected by AEC from the Site were below the laboratory detection limit. The PCB concentrations in all nine of the soil and all four of the groundwater samples collected by URS from the site were also below the laboratory detection limit.

4.5 Soil Disposal Characteristics Results Evaluation

Soil samples were collected from multiple locations and varying depths across the Site. The purpose of these samples was to characterize the soil material that will be disturbed and may require special disposal in connection with the proposed construction of the subsurface

structures at the Site. The soil samples were analyzed for common waste characterization analytes including: TCLP metals; ignitability; TPH GRO and DRO; VOCs; and PCBs. In conclusion, the results of all of the analysis discussed above did not identify any compounds or characteristics which would preclude the disposal of any of the designated soil at a commercial petroleum contaminated soil-disposal facility.

As a general note, during construction excavation operations, hydrocarbon odor in soil is as important a driver as the laboratory derived hydrocarbon concentration for determining if the soil is clean or hydrocarbon contaminated. The assumption is that "contamination" is defined as soils with TPH or other VOC concentrations greater than the laboratory detection limit, or for PID-screened soils, the background concentration (usually less than 5 parts per million (ppm)). Because all of the soil (both contaminated and uncontaminated) is to be removed during construction activities, and any level of contamination makes soil unsuitable for clean fill or construction debris, the commonly used 100 mg/kg TPH DCDOH LUST standard is not appropriate for this project. The 100 mg/kg TPH DCDOH LUST standard is typically used as a guideline for determining which contaminated soil can be left in place.

4.6 TPH DRO in Groundwater Results Evaluation

The TPH DRO concentrations in all five of the groundwater samples collected by AEC from the Site were below the laboratory detection limit. The TPH DRO concentrations in six of the seven groundwater samples collected by URS from the Site were also below the laboratory detection limit. The groundwater sample from URS boring B-11 indicated a TPH DRO concentration of 550 ug/l. This boring is located at the southern end of the Site, down gradient of the AST.

4.7 VOCs in Groundwater Results Evaluation

The results of the VOC in groundwater analyses identified VOC concentrations in one of the ten groundwater samples collected by AEC from the Site. This groundwater sample, B-9, was collected from the vicinity of the former vehicle fueling station in the southeastern portion of the northern Site lot. The majority of the VOCs detected in B-9 are associated with chlorinated hydrocarbons. Results for sampling of the VOCs indicate that the VOC contamination is not widely distributed across the Site. None of the VOC sample analysis results exceed the DCDOH Residential Groundwater - Risk Based Screening Levels, with the exception of vinyl chloride and trichloroethene. It should be noted that groundwater is not used as a potable water source in the Site vicinity.

4.8 Lead in Groundwater Results Evaluation

The results of the analysis did not identify the presence of dissolved lead above the laboratory detection limits in the groundwater samples collected by AEC from the Site. Based on the results of AEC's field effort, it is suspected that URS had their priority pollutant metals (of which lead is a component) in water samples analyzed for total metals as opposed to dissolved metals. There is no mention in the URS report concerning field filtration of these samples so this assumption is probably correct. Based on the condition of the water during AEC's field effort, (i.e., very high turbidity in the geoprobe collected water samples), the metals in water results are probably not indicative of subsurface conditions and may have resulted in a "false positive" outcome for at least the significantly elevated lead in groundwater issue. This assumption is supported by AEC's dissolved lead in groundwater data which was non-detect in all of the 12 samples which were analyzed.

4.9 Conclusions

Low levels of TPH and VOCs in soil and groundwater have been detected throughout the Site. In general, the TPH and VOCs in soil are found primarily in the upper 12 feet in the artificial fill material. Generally low levels of lead in soil (with two exceptions) and low levels of arsenic in soil have also been detected in the artificial fill material. These contaminants are thought to be associated with either limited size petroleum surface spills, or coal dust and fragments mixed into the fill material. In the case of the chlorinated hydrocarbon groundwater contamination near the former vehicle fueling station (southeastern portion of the northern Site lot), the low levels and limited extent of impact makes this issue less significant. In addition, the possible lead in groundwater and PCB in soil contamination issues have been ruled out as issues of concern.

Based on the historic presence of significant quantities of LPH in soil and groundwater at the adjacent Buzzard Point Generating Station, the ongoing groundwater remediation project, and the groundwater flow direction, this property could be considered to be a long term concern to the Site. This concern increases based on the selection of the foundation for the proposed development. If the proposed subsurface structures are constructed to require continuous dewatering then the risk of hydrocarbon contaminated groundwater from offsite entering the dewatering system is elevated. If the foundation is constructed so that dewatering is not necessary, this risk is minimized.

APPENDIX A

FIGURES

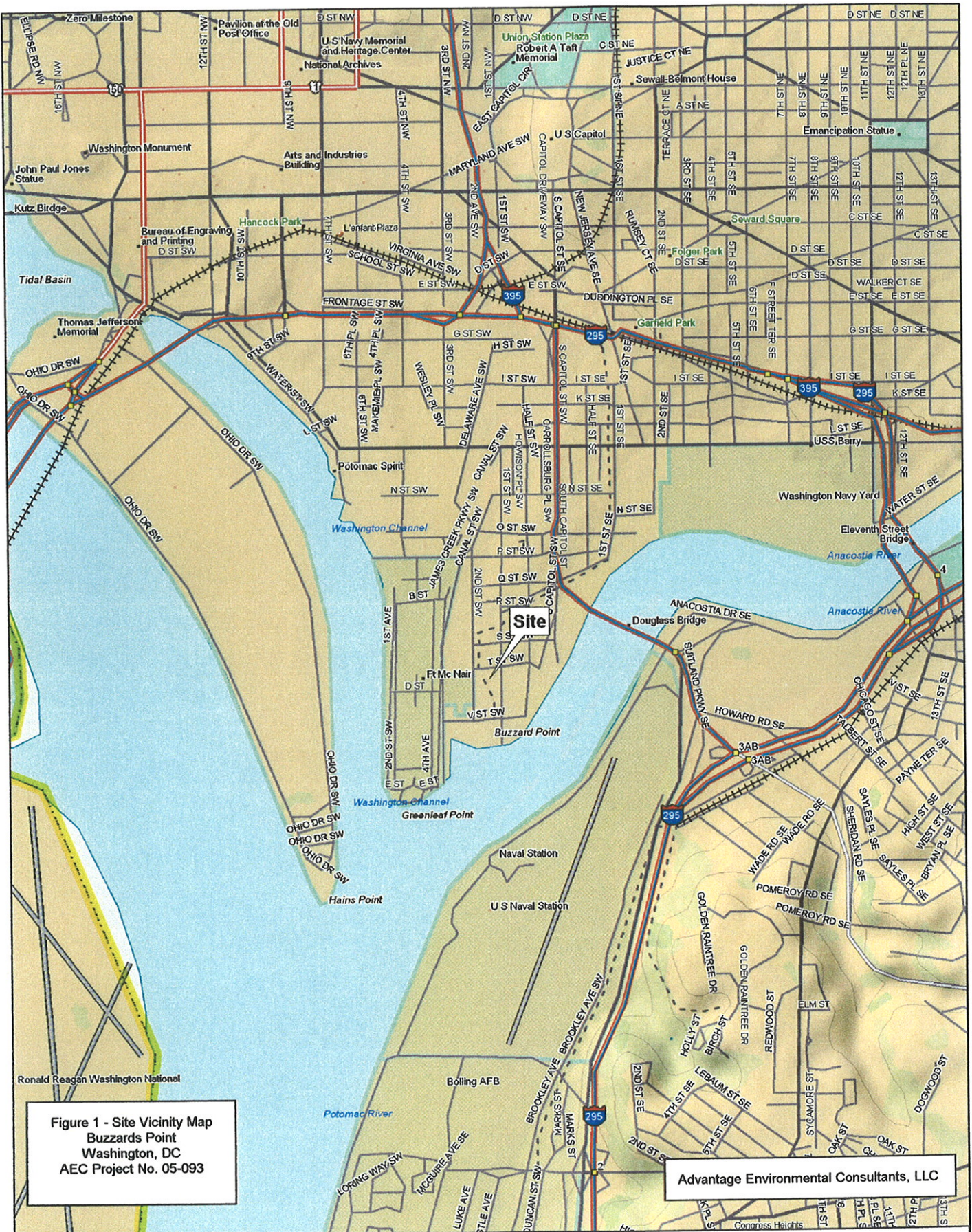
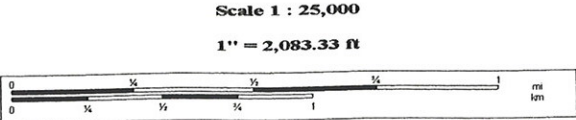


Figure 1 - Site Vicinity Map
 Buzzards Point
 Washington, DC
 AEC Project No. 05-093

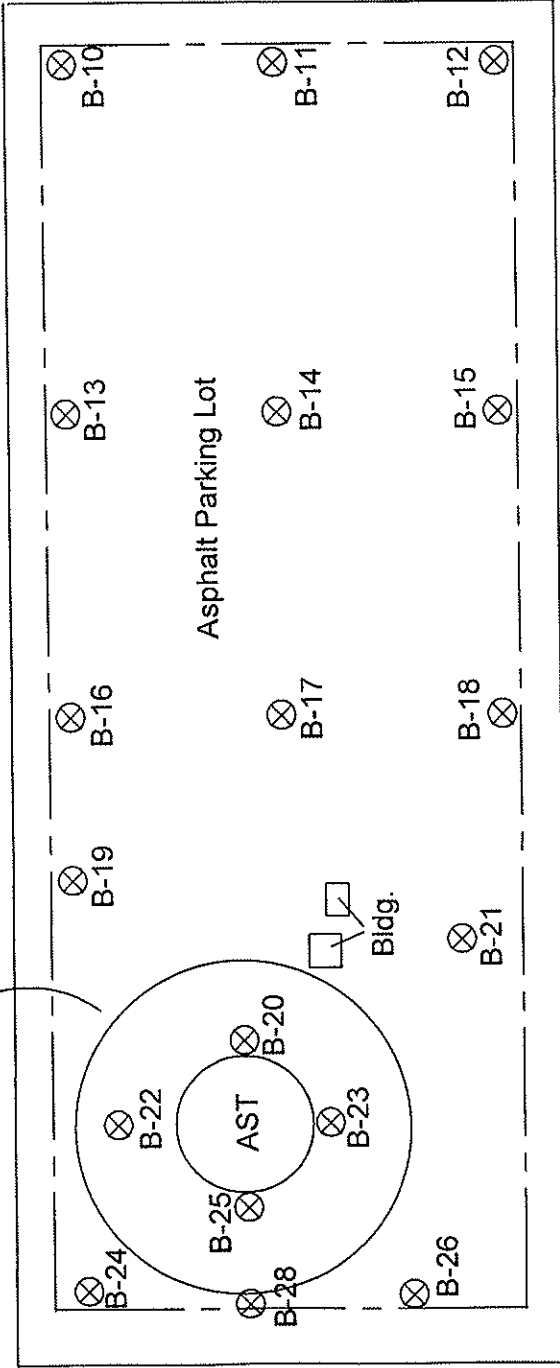
Advantage Environmental Consultants, LLC

DELORME
 © 2001 DeLorme. Topo USA® 3.0
 Zoom Level: 13-0 Datum: WGS84



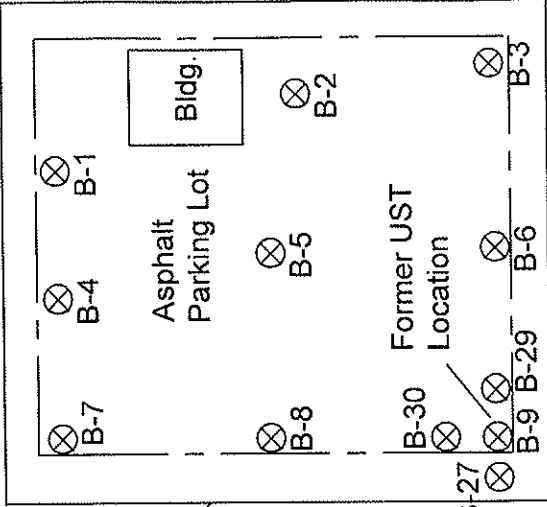
AST
Containment
Wall

2nd Street, SW



T Street, SW

S Street, SW



1st Street, SW

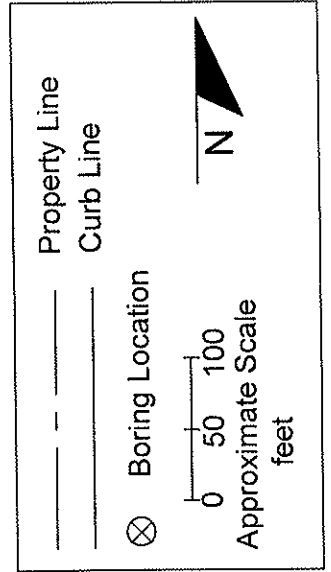


Figure 2 - Site Map
Buzzards Point
Washington, DC
AEC Project No.: 05-093

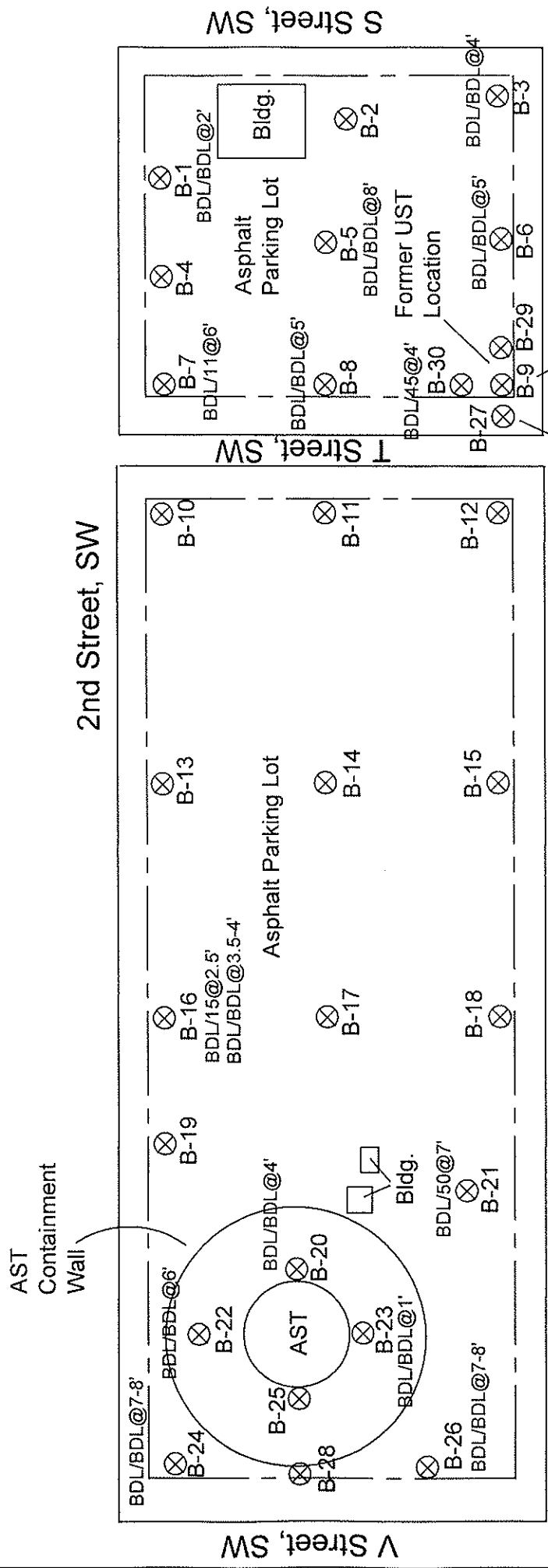


Figure 3 - Soil Quality Map
 TPH GRO/DRO - Shallow (0-8')
 Buzzards Point
 Washington, DC
 AEC Project No.: 05-093

Legend

- Property Line
- - - Curb Line
- ⊗ Boring Location

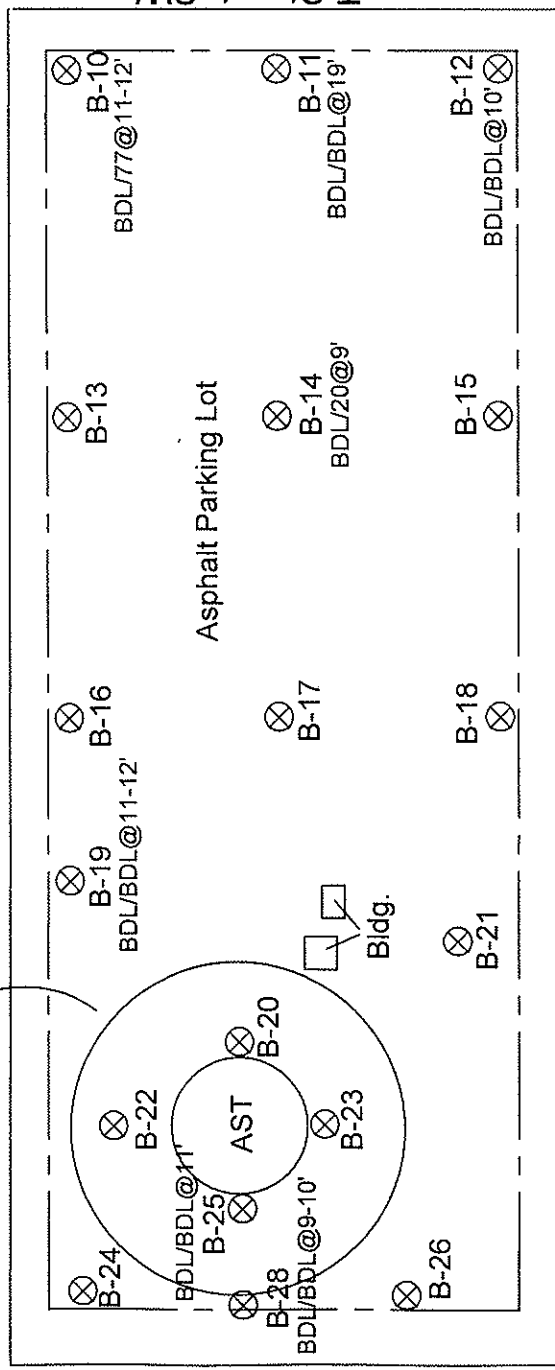
Abbreviations:
 BDL/50@7' = TPH GRO/TPH DRO at Depth in Feet
 BDL = Below Detection Limits
 TPH = Total Petroleum Hydrocarbons
 GRO = Gasoline Range Organics
 DRO = Diesel Range Organics
 Results in mg/kg (ppm)
 Data collected May 2005

Scale:
 0 50 100
 Approximate Scale
 feet

North Arrow:
 N

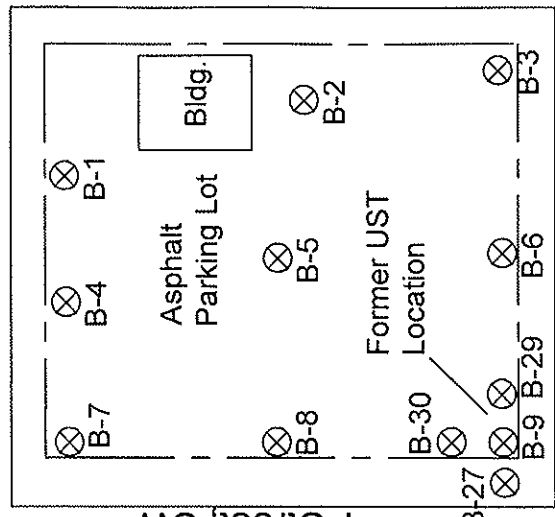
AST
Containment
Wall

2nd Street, SW



V Street, SW

T Street, SW



S Street, SW

1st Street, SW

--- Property Line
 - - - Curb Line
 ⊗ Boring Location

BDL/50@9' = TPH GRO/TPH DRO at Depth in Feet
 BDL = Below Detection Limits
 TPH = Total Petroleum Hydrocarbons
 GRO = Gasoline Range Organics
 DRO = Diesel Range Organics
 Results in mg/kg (ppm)
 Data collected May 2005

0 50 100
 Approximate Scale
 feet

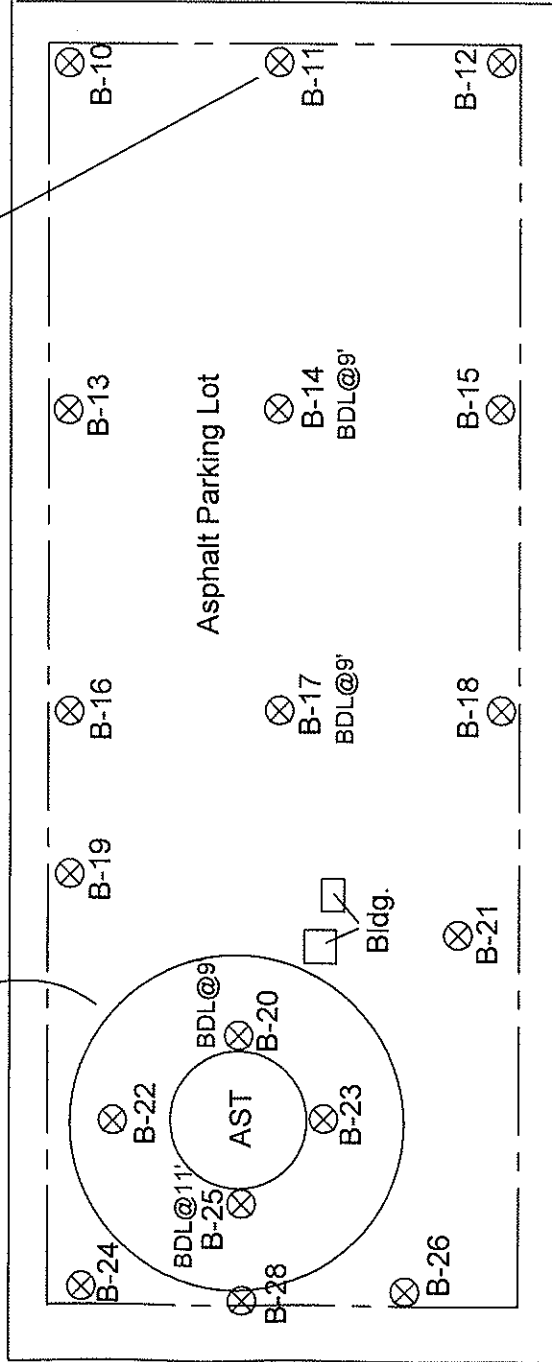
N

Figure 4 - Soil Quality Map
 TPH GRO/DRO - Deep (>8')
 Buzzards Point
 Washington, DC
 AEC Project No.: 05-093

Ethylbenzene 12
 total xylenes 100
 Isopropylbenzene 37
 1,1,2,2-tetrachloroethane 14
 N-propylbenzene 190
 1,3,5-trimethylbenzene 230
 tert-butylbenzene 120
 1,2,4-trimethylbenzene 720
 Sec-butylbenzene 110
 4-isopropyltoluene 81
 Naphthalene 880
 @2-3'

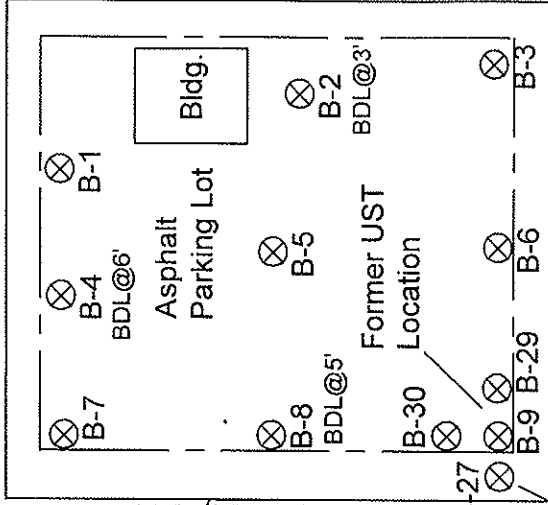
2nd Street, SW

AST
Containment
Wall



V Street, SW

T Street, SW



S Street, SW

1st Street, SW

--- Property Line
 --- Curb Line
 ⊗ Boring Location

VOC@9' = VOCs at Depth in Feet
 BDL = Below Detection Limits
 VOC = Volatile Organic Compound
 Results in ug/kg (ppb)
 Data collected May 2005

0 50 100
 Approximate Scale
 feet

N

Figure 5 - Soil Quality Map
 VOCs
 Buzzards Point
 Washington, DC
 AEC Project No.: 05-093

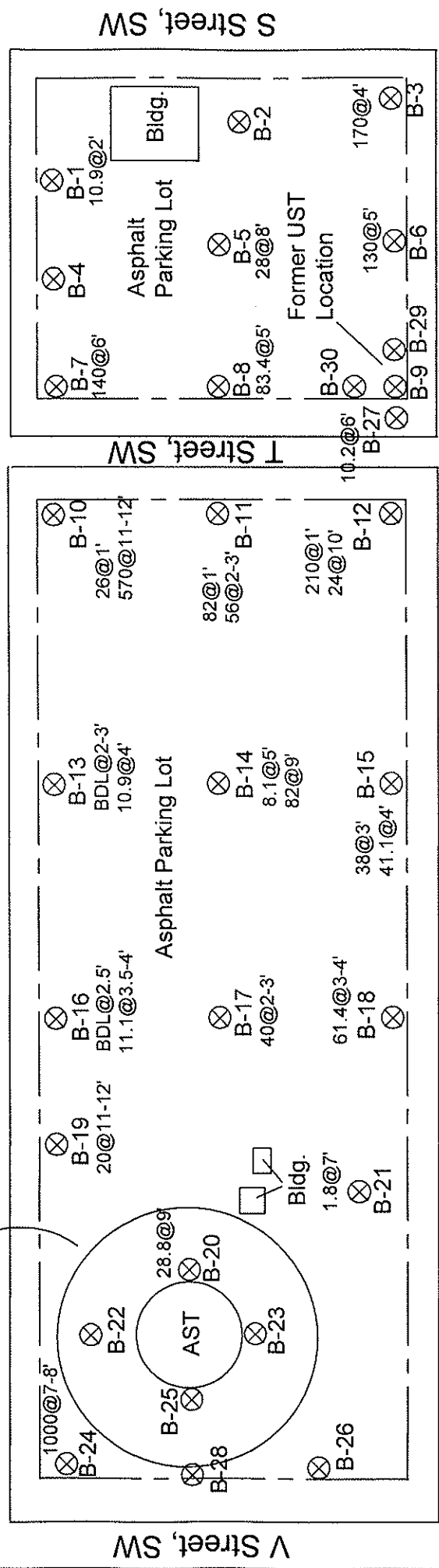


Figure 6 - Soil Quality Map
 Lead
 Buzzards Point
 Washington, DC
 AEC Project No.: 05-093

1st Street, SW

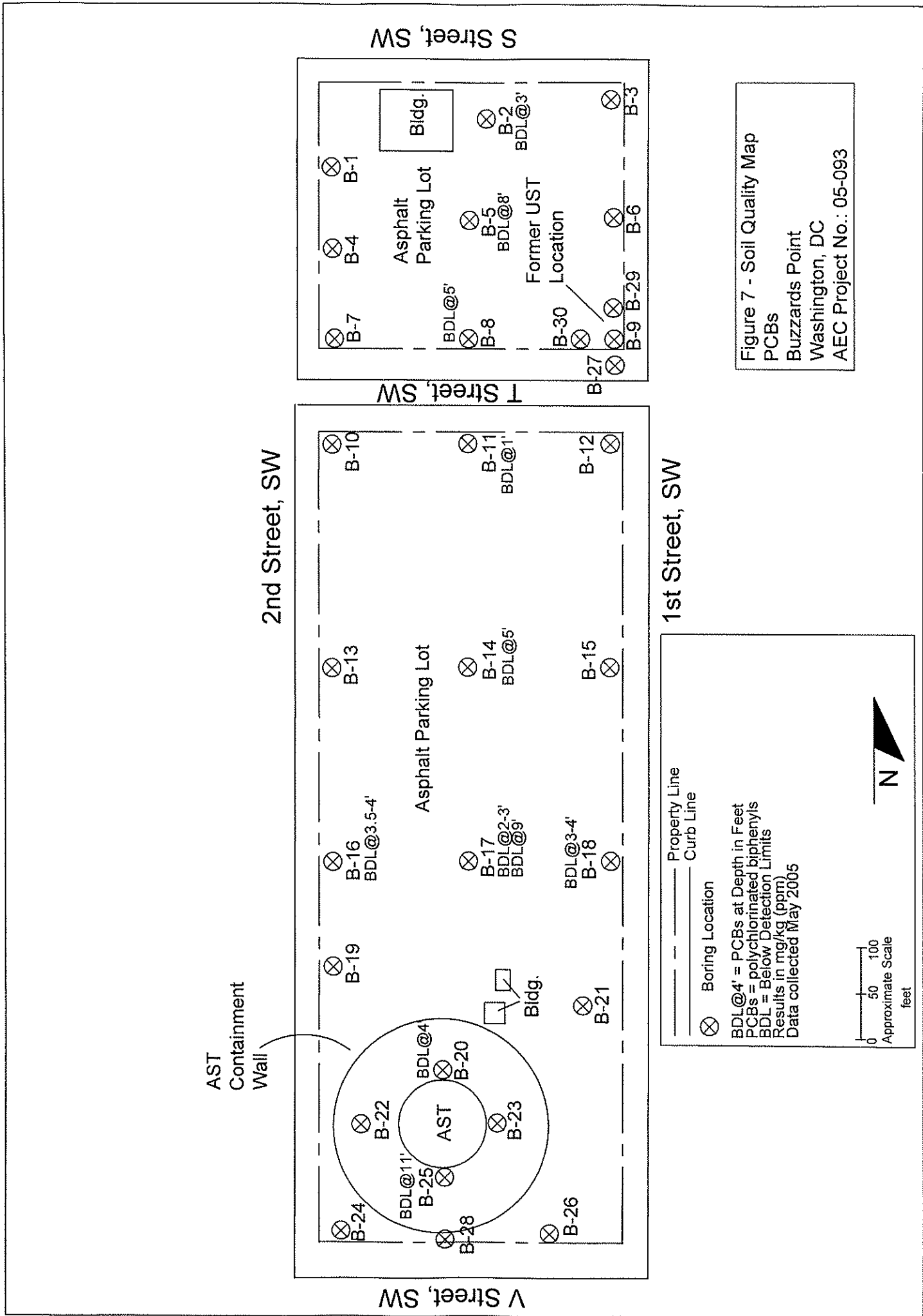
Legend:

- Property Line
- - - Curb Line
- ⊗ Boring Location

50@9' = Lead at Depth in Feet
 BDL = Below Detection Limits
 Results in mg/kg (ppm)
 Data collected May 2005

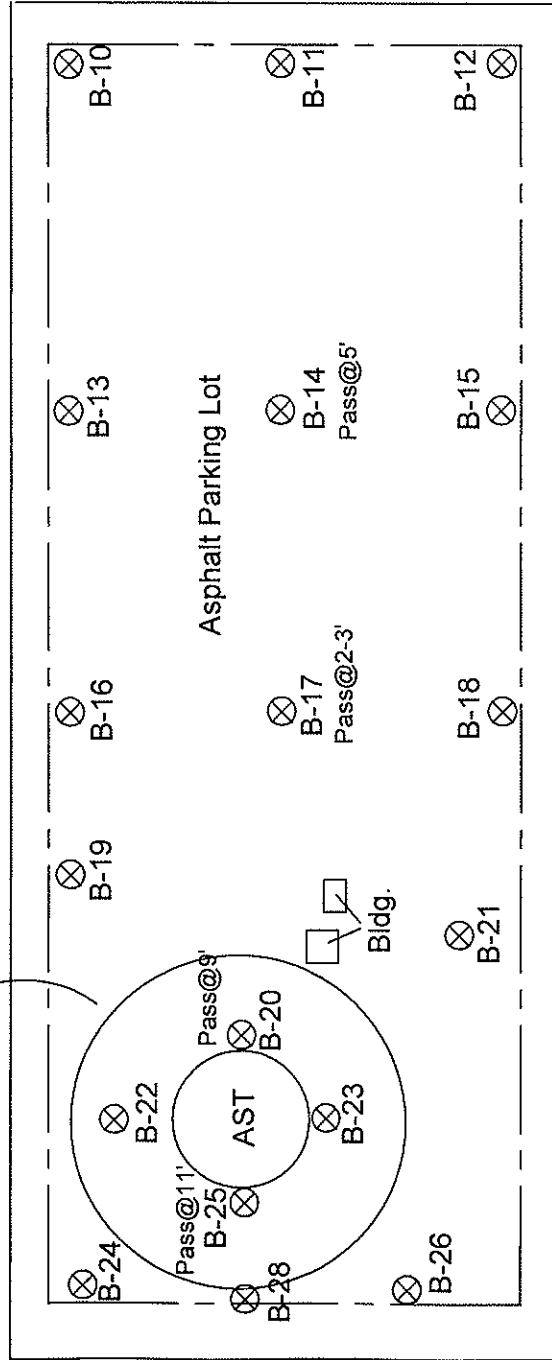
0 50 100
 feet
 Approximate Scale

N



AST
Containment
Wall

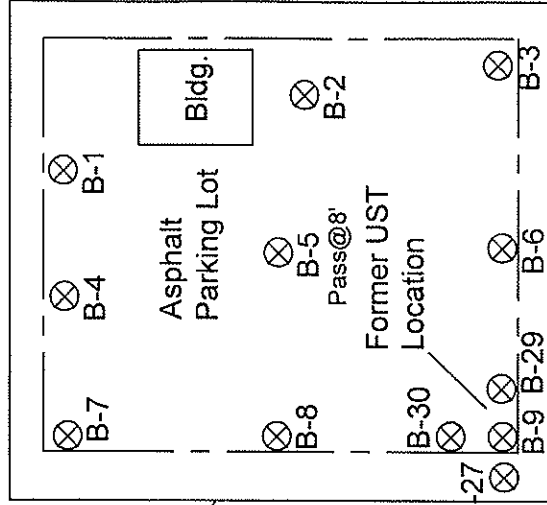
2nd Street, SW



V Street, SW

T Street, SW

2nd Street, SW



S Street, SW

1st Street, SW

- - - Property Line
 - - - Curb Line
 ⊗ Boring Location

Pass@4' = Test Outcome at Depth in Feet
 TCLP = Toxicity Characteristic Leachate Procedure
 Results in mg/l (ppm)
 Data collected May 2005

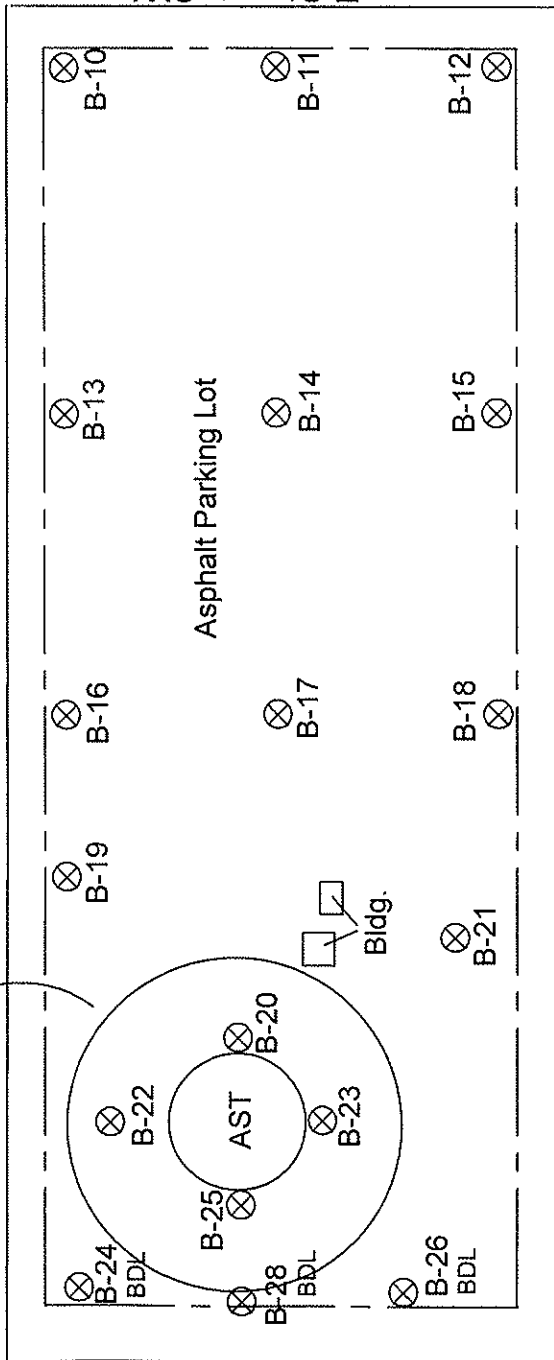
0 50 100
 Approximate Scale
 feet

N

Figure 8 - Soil Quality Map
 TCLP Metals
 Buzzards Point
 Washington, DC
 AEC Project No.: 05-093

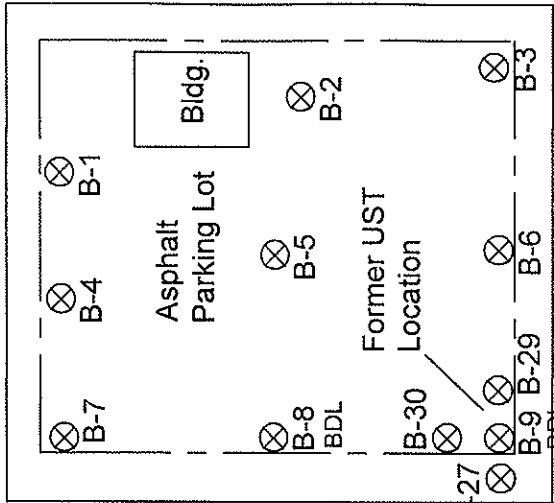
AST
Containment
Wall

2nd Street, SW



V Street, SW

T Street, SW



S Street, SW

1st Street, SW

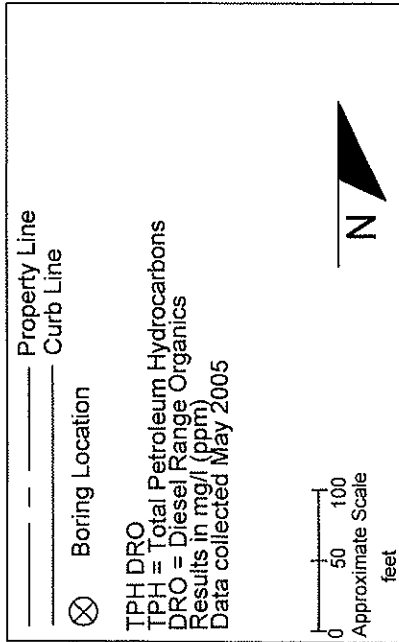
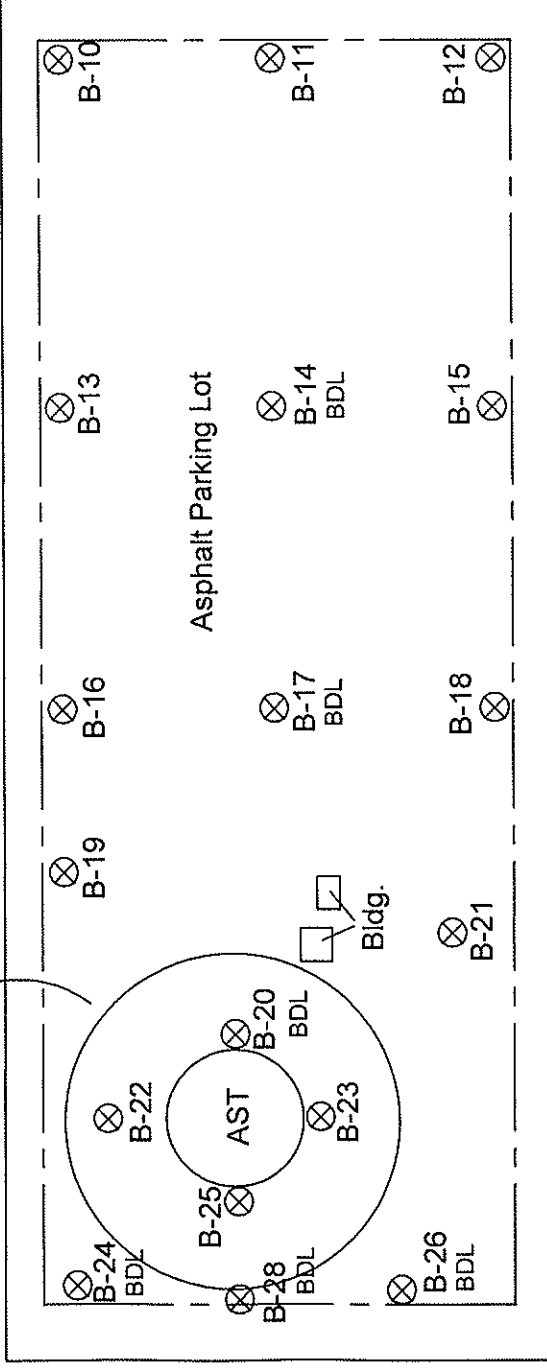


Figure 9 - Groundwater Quality Map
TPH DRO
Buzzards Point
Washington, DC
AEC Project No.: 05-093

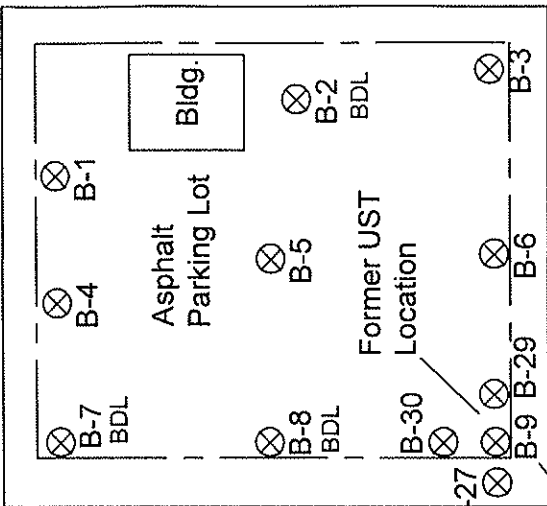
AST
Containment
Wall

2nd Street, SW



V Street, SW

T Street, SW



S Street, SW

1st Street, SW

- - - Property Line
 - - - Curb Line
 ⊗ Boring Location
 VOCs
 VOC = Volatile Organic Compound
 BDL = Below Detection Limits
 Results in ug/l (ppb)
 Data collected May 2005

0 50 100
 Approximate Scale
 feet

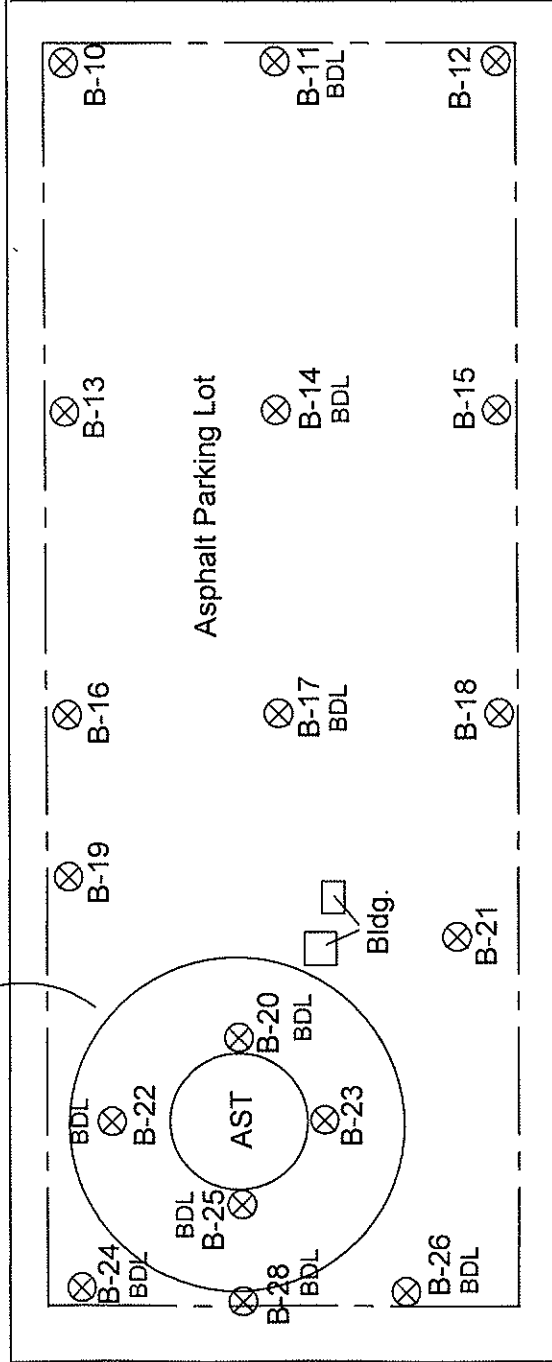
N

Vinyl Chloride 160
 Trans-1,2-Dichloroethene 10
 Cis-1,2-Dichloroethene 1300
 Benzene 11
 Trichloroethene 4100
 Tetrachloroethene 5.6

Figure 10 - Groundwater Quality Map
 VOCs
 Buzzards Point
 Washington, DC
 AEC Project No.: 05-093

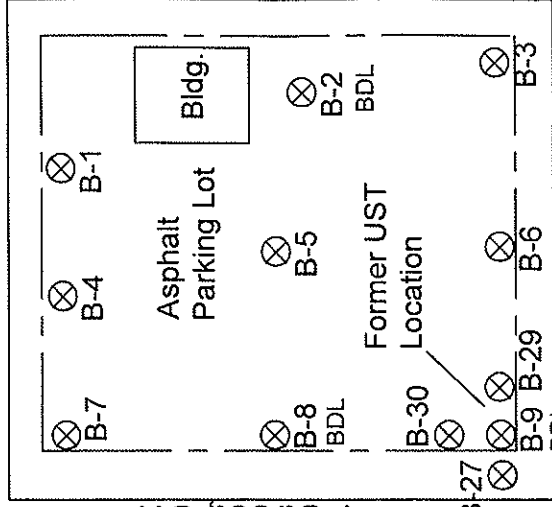
AST
Containment
Wall

2nd Street, SW



V Street, SW

T Street, SW



S Street, SW

1st Street, SW

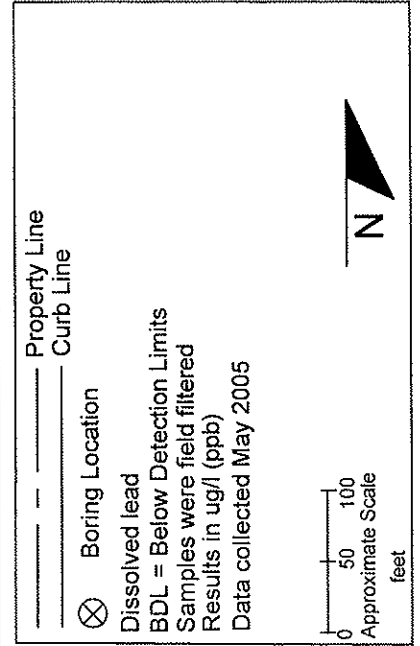


Figure 11 - Groundwater Quality Map
Dissolved Lead
Buzzards Point
Washington, DC
AEC Project No.: 05-093

APPENDIX C

**Site History
(on CD)**



Buzzard Point

S Street SW/1st Street SW
Washington, DC 20024

Inquiry Number: 3660997.5
July 10, 2013

The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

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with any questions or comments.

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Date EDR Searched Historical Sources:

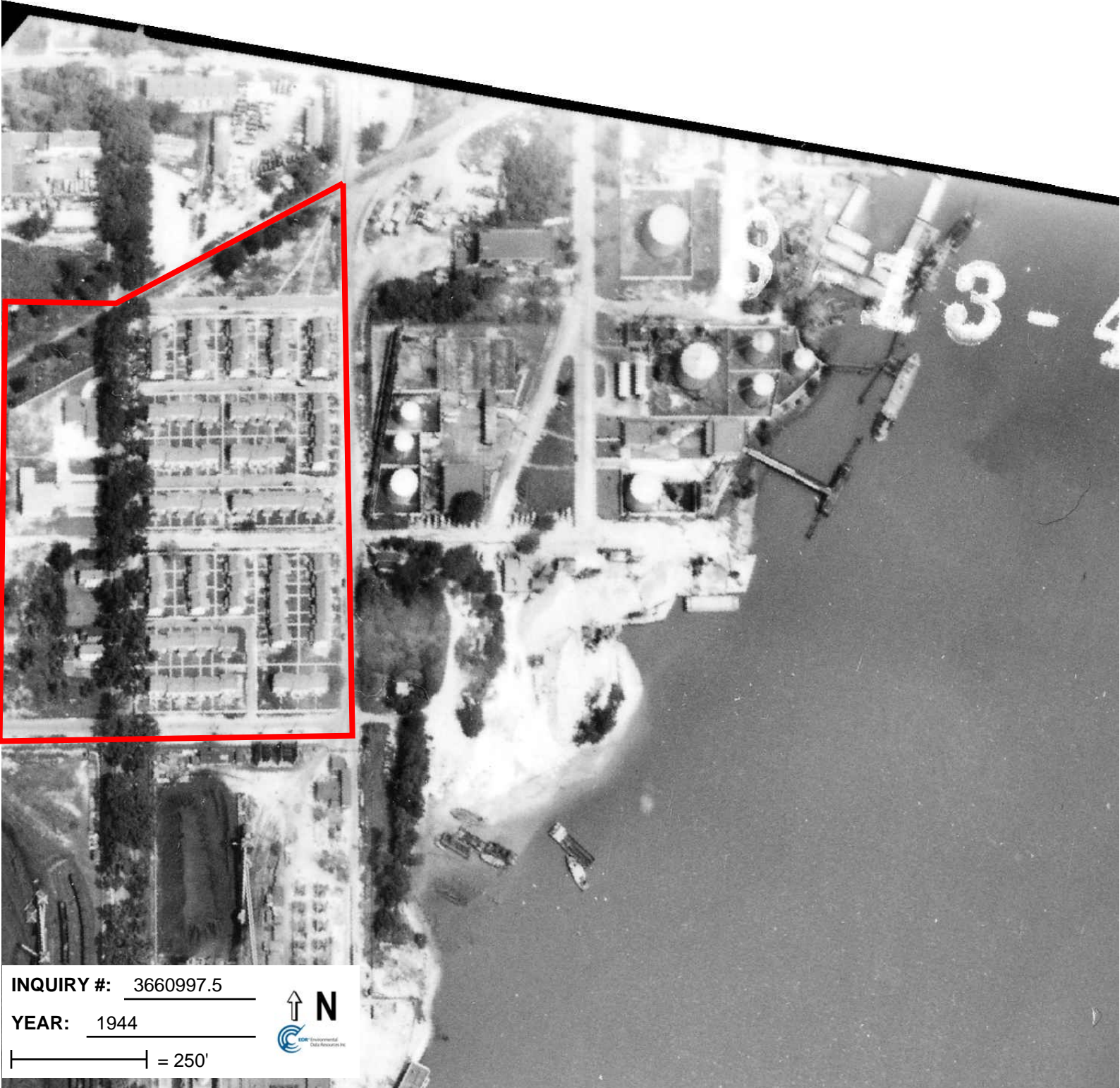
Aerial Photography July 10, 2013

Target Property:

S Street SW/1st Street SW

Washington, DC 20024

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1944	Aerial Photograph. Scale: 1"=250'	Panel #: 38077-G1, Alexandria, VA;Flight Date: August 13, 1944	EDR
1949	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA;Flight Date: March 04, 1949	EDR
1951	Aerial Photograph. Scale: 1"=250'	Panel #: 38077-G1, Alexandria, VA;Flight Date: July 05, 1951	EDR
1957	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA;Flight Date: July 25, 1957	EDR
1963	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA;Flight Date: October 15, 1963	EDR
1968	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA;Flight Date: October 31, 1968	EDR
1970	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA;Flight Date: September 01, 1970	EDR
1977	Aerial Photograph. Scale: 1"=1000'	Panel #: 38077-G1, Alexandria, VA;Flight Date: March 16, 1977	EDR
1983	Aerial Photograph. Scale: 1"=150'	Panel #: 38077-G1, Alexandria, VA;Flight Date: July 09, 1983	EDR
1988	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA;DOQQ - acquisition dates: April 05, 1988	EDR
1994	Aerial Photograph. Scale: 1"=750'	Panel #: 38077-G1, Alexandria, VA;Flight Date: March 17, 1994	EDR
1998	Aerial Photograph. Scale: 1"=750'	Panel #: 38077-G1, Alexandria, VA;Flight Date: February 09, 1998	EDR
2000	Aerial Photograph. Scale: 1"=750'	Panel #: 38077-G1, Alexandria, VA;Flight Date: March 24, 2000	EDR
2005	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA;Flight Year: 2005	EDR
2007	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA;Flight Year: 2007	EDR
2008	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA;Flight Year: 2008	EDR
2009	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA;Flight Year: 2009	EDR
2011	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA;Flight Year: 2011	EDR
2012	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA;Flight Year: 2012	EDR



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INQUIRY #: 3660997.5

YEAR: 1949

| = 500'



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YEAR: 1951

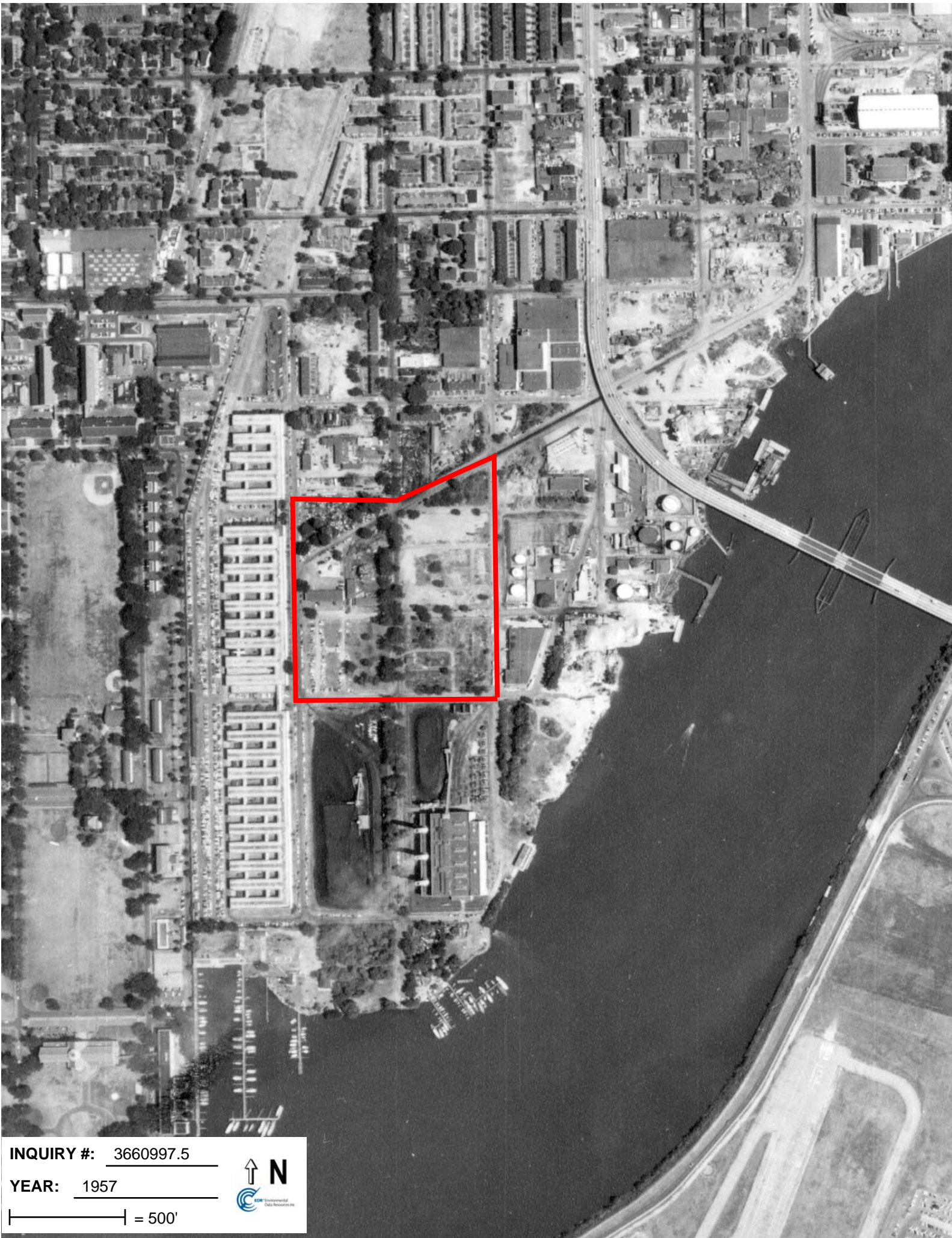


| = 250'



DC WAS

1820



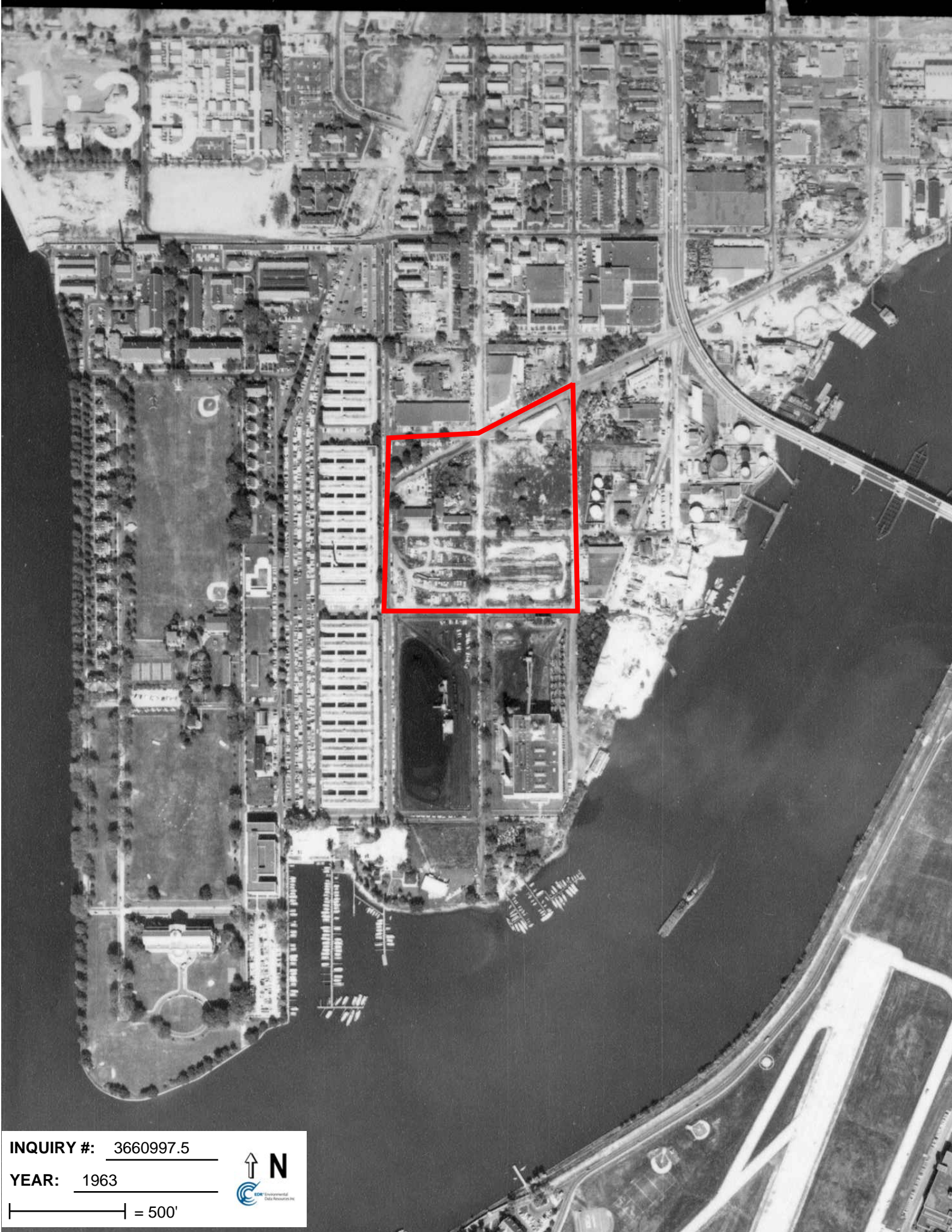
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YEAR: 1957

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Environmental Data Resources



INQUIRY #: 3660997.5

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| = 500'



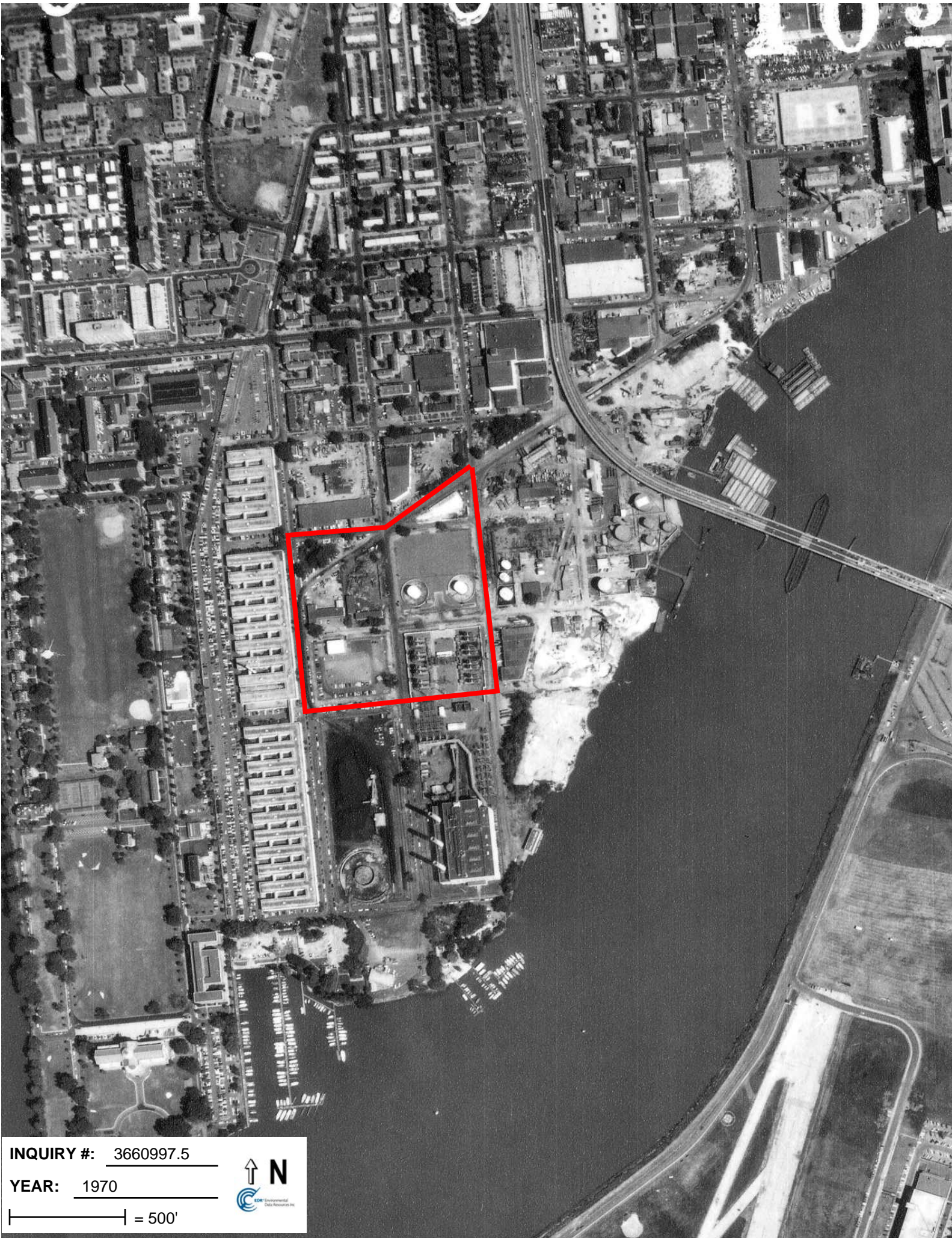


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| = 500'





INQUIRY #: 3660997.5

YEAR: 1970

|—————| = 500'





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YEAR: 1977

| = 1000'





INQUIRY #: 3660997.5

YEAR: 1983

| = 150'





INQUIRY #: 3660997.5

YEAR: 1988

| = 500'





INQUIRY #: 3660997.5

YEAR: 1994

— = 750'





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YEAR: 1998

| = 750'





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YEAR: 2000

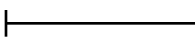
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YEAR: 2007

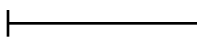
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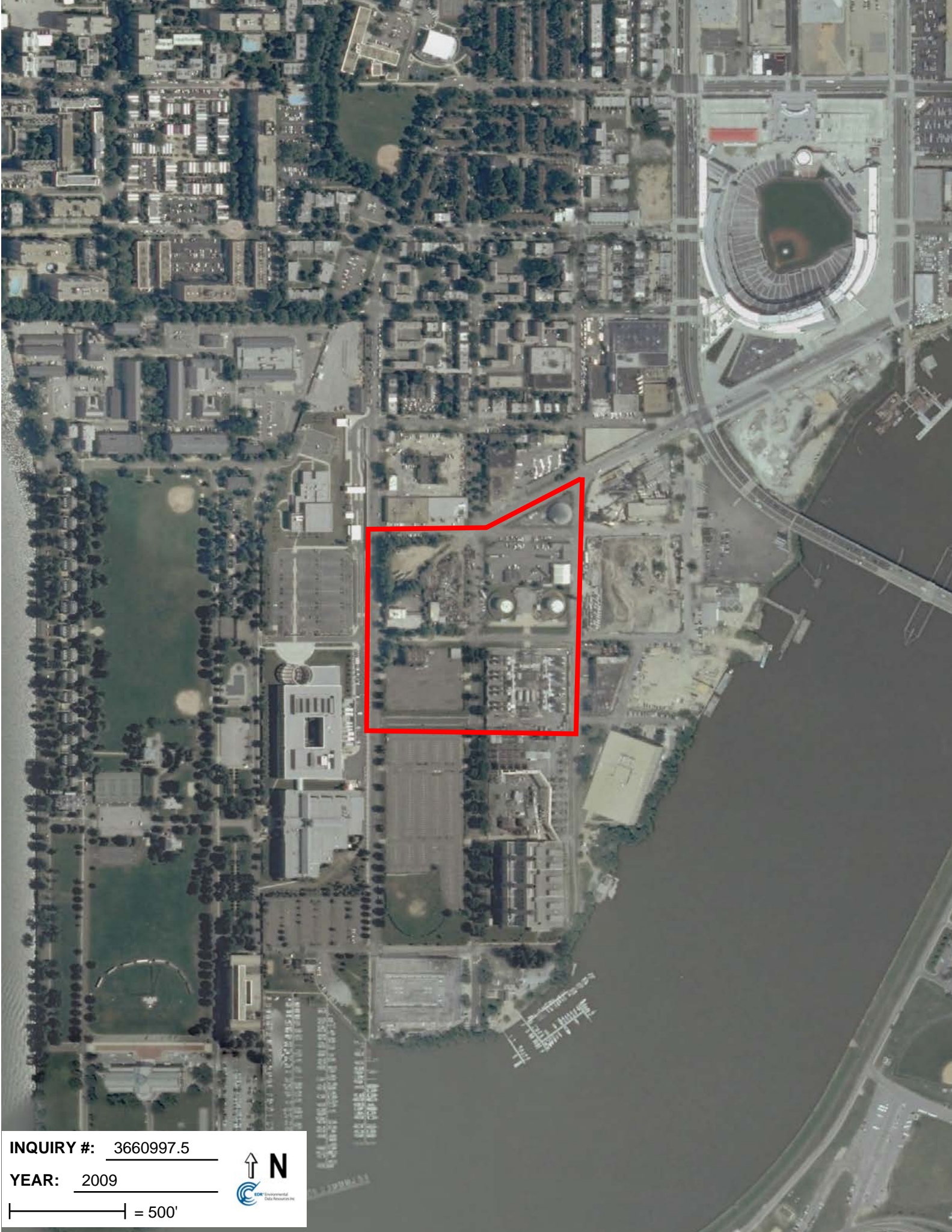


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YEAR: 2008

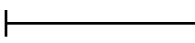
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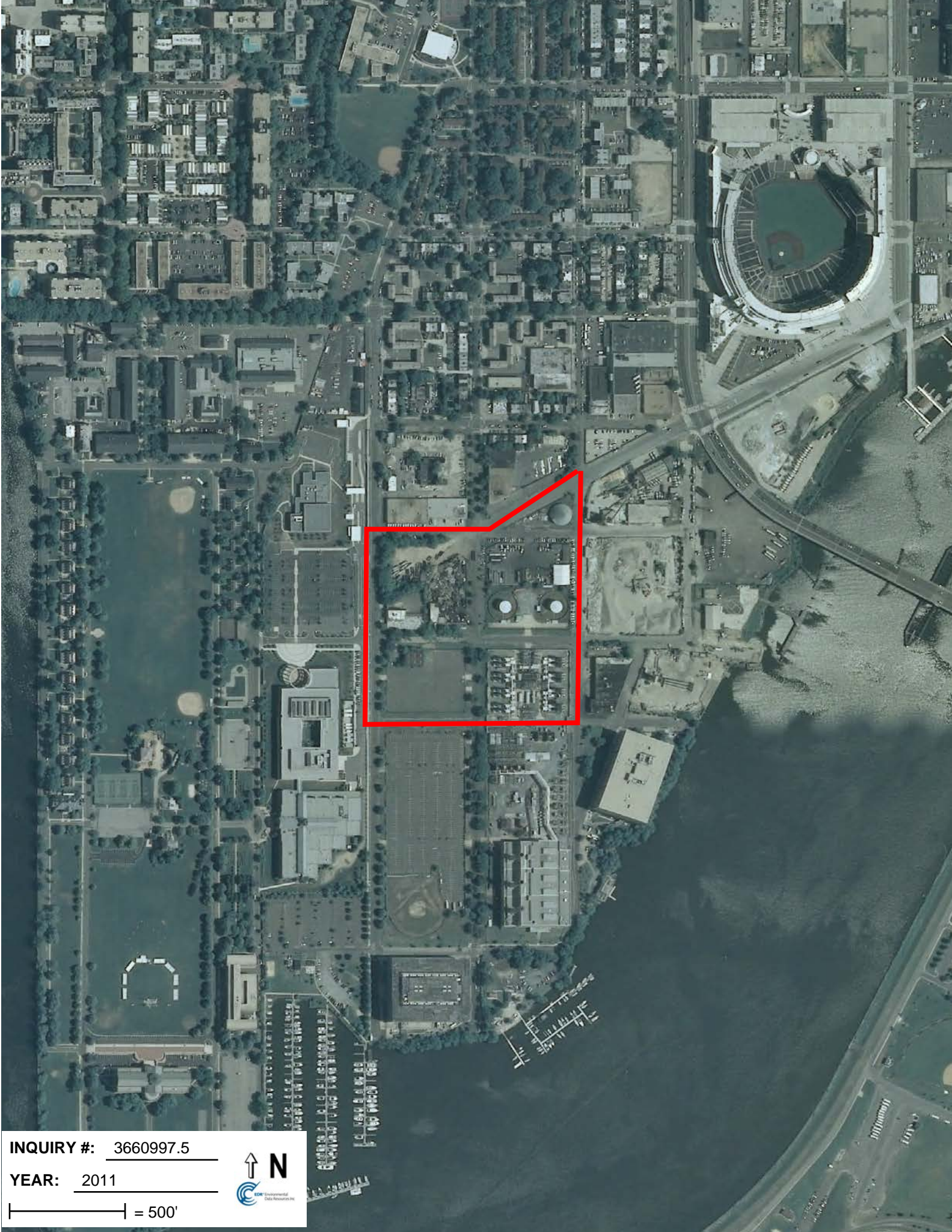


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YEAR: 2009

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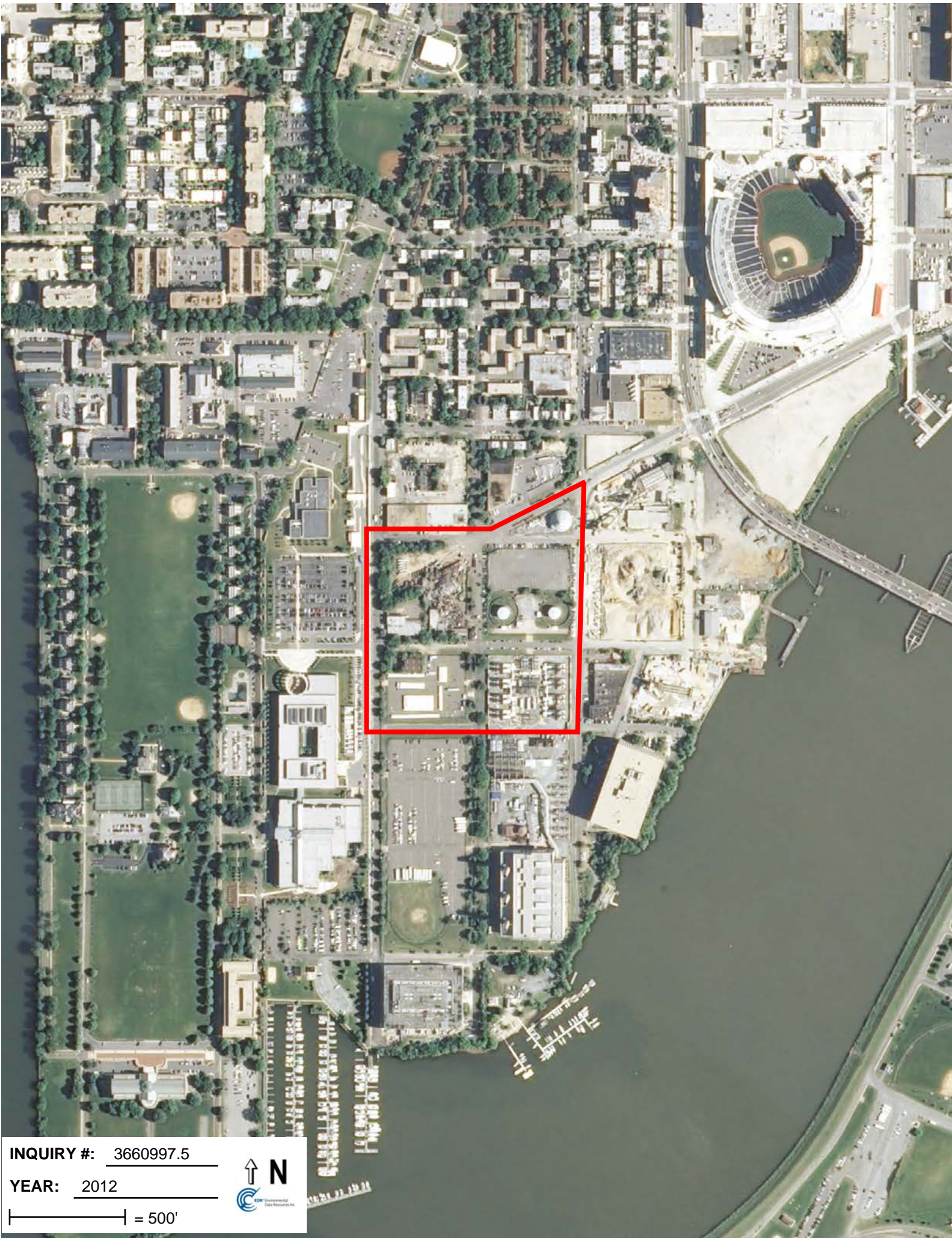


INQUIRY #: 3660997.5

YEAR: 2011

| = 500'





INQUIRY #: 3660997.5

YEAR: 2012

| = 500'





Buzzard Point

S Street SW/1st Street SW
Washington, DC 20024

Inquiry Number: 3660997.3
July 11, 2013

Certified Sanborn® Map Report

Certified Sanborn® Map Report

7/11/13

Site Name:

Buzzard Point
S Street SW/1st Street SW
Washington, DC 20024

Client Name:

Haley & Aldrich, Inc.
465 Medford Street
Boston, MA 02129



EDR Inquiry # 3660997.3

Contact: Kristen Wright-Ng

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Certified Sanborn Results:

Site Name: Buzzard Point
Address: S Street SW/1st Street SW
City, State, Zip: Washington, DC 20024
Cross Street:
P.O. # 40223-001
Project: Buzzard Point
Certification # 7209-40E4-9105



Sanborn® Library search results
Certification # 7209-40E4-9105

Maps Provided:

1998	1984
1994	1977
1992	1959
1991	1928
1990	
1988	

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- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



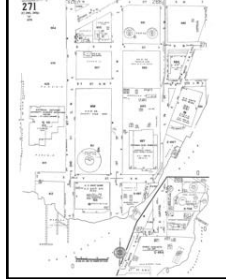
1998 Source Sheets



Volume 2, Sheet 267



Volume 2, Sheet 268



Volume 2, Sheet 271

1994 Source Sheets



Volume 2, Sheet 267



Volume 2, Sheet 268



Volume 2, Sheet 271

1992 Source Sheets



Volume 2, Sheet 267



Volume 2, Sheet 268



Volume 2, Sheet 271

1991 Source Sheets



Volume 2, Sheet 267

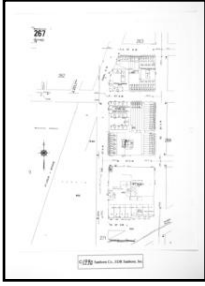


Volume 2, Sheet 268



Volume 2, Sheet 271

1990 Source Sheets



Volume 2, Sheet 267



Volume 2, Sheet 268

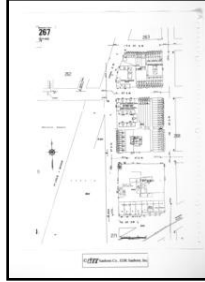


Volume 2, Sheet 271

1988 Source Sheets



Volume 2, Sheet 262



Volume 2, Sheet 267



Volume 2, Sheet 268

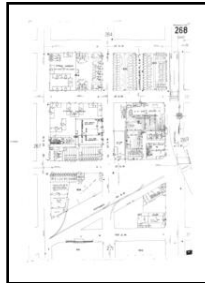


Volume 2, Sheet 271

1984 Source Sheets



Volume 2, Sheet 267



Volume 2, Sheet 268



Volume 2, Sheet 271

1977 Source Sheets



Volume 2, Sheet 262



Volume 2, Sheet 267

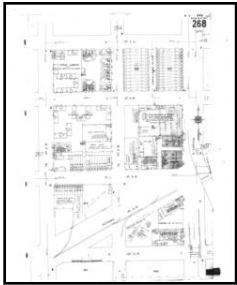


Volume 2, Sheet 268

1959 Source Sheets

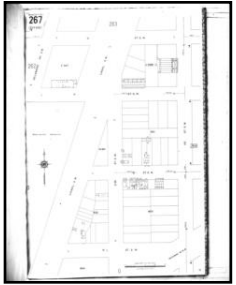


Volume 2, Sheet 267

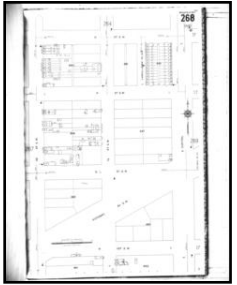


Volume 2, Sheet 268

1928 Source Sheets



Volume 2, Sheet 267



Volume 2, Sheet 268

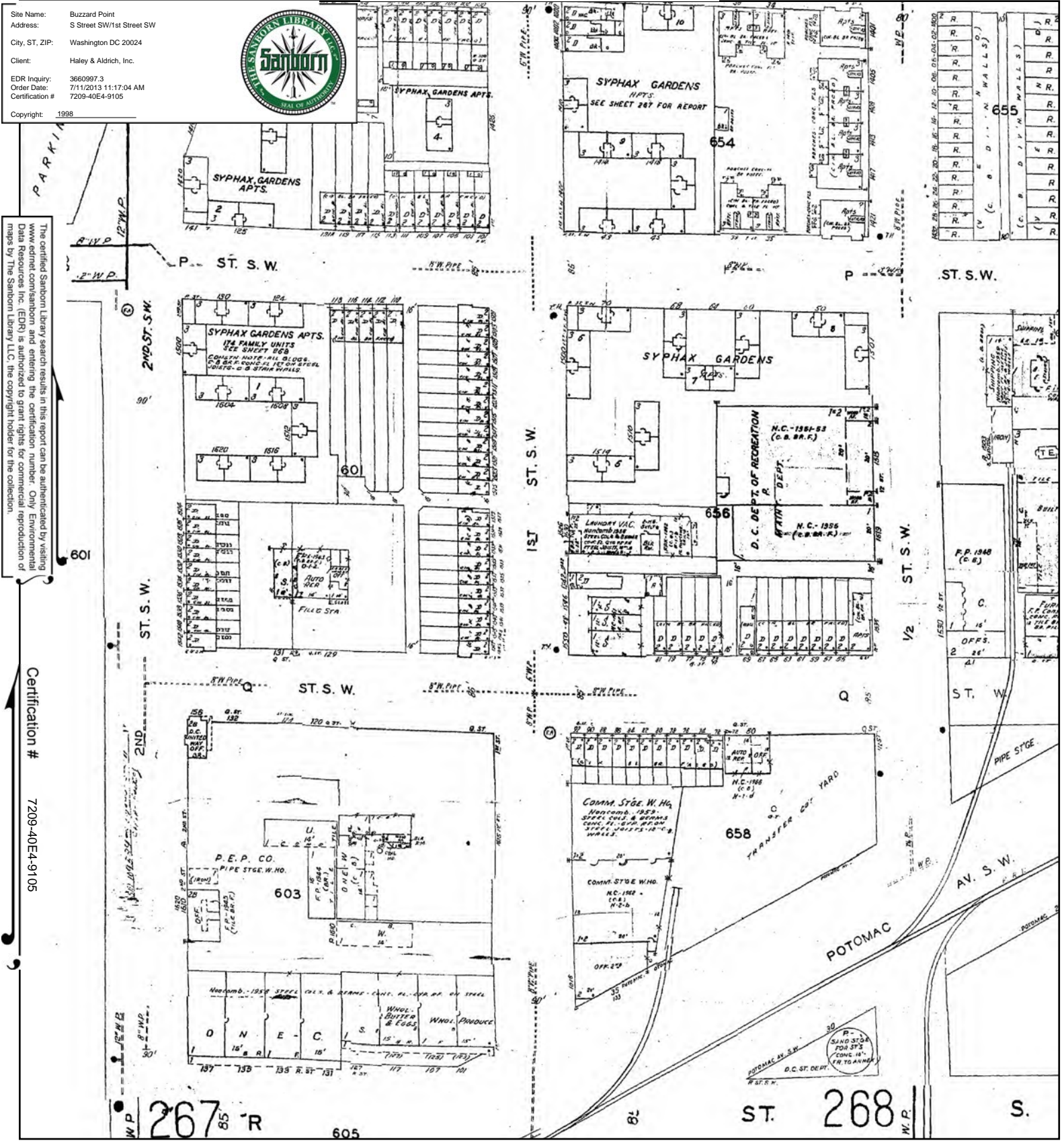
1998 Certified Sanborn Map

Site Name: Buzzard Point
 Address: S Street SW/1st Street SW
 City, ST, ZIP: Washington DC 20024
 Client: Haley & Aldrich, Inc.
 EDR Inquiry: 3660997.3
 Order Date: 7/11/2013 11:17:04 AM
 Certification #: 7209-40E4-9105
 Copyright: 1998

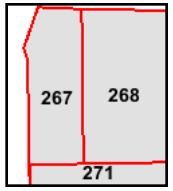
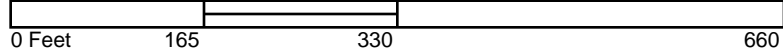


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 Volume 2, Sheet 268
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1994 Certified Sanborn Map

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 City, ST, ZIP: Washington DC 20024
 Client: Haley & Aldrich, Inc.
 EDR Inquiry #: 3660997.3
 Order Date: 7/11/2013 11:17:04 AM
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 Copyright: 1994

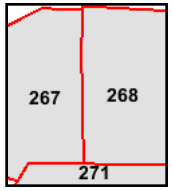
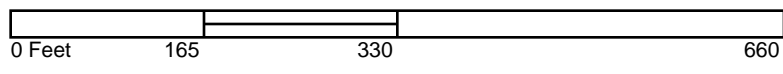


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Volume 2, Sheet 267
 Volume 2, Sheet 268
 Volume 2, Sheet 271



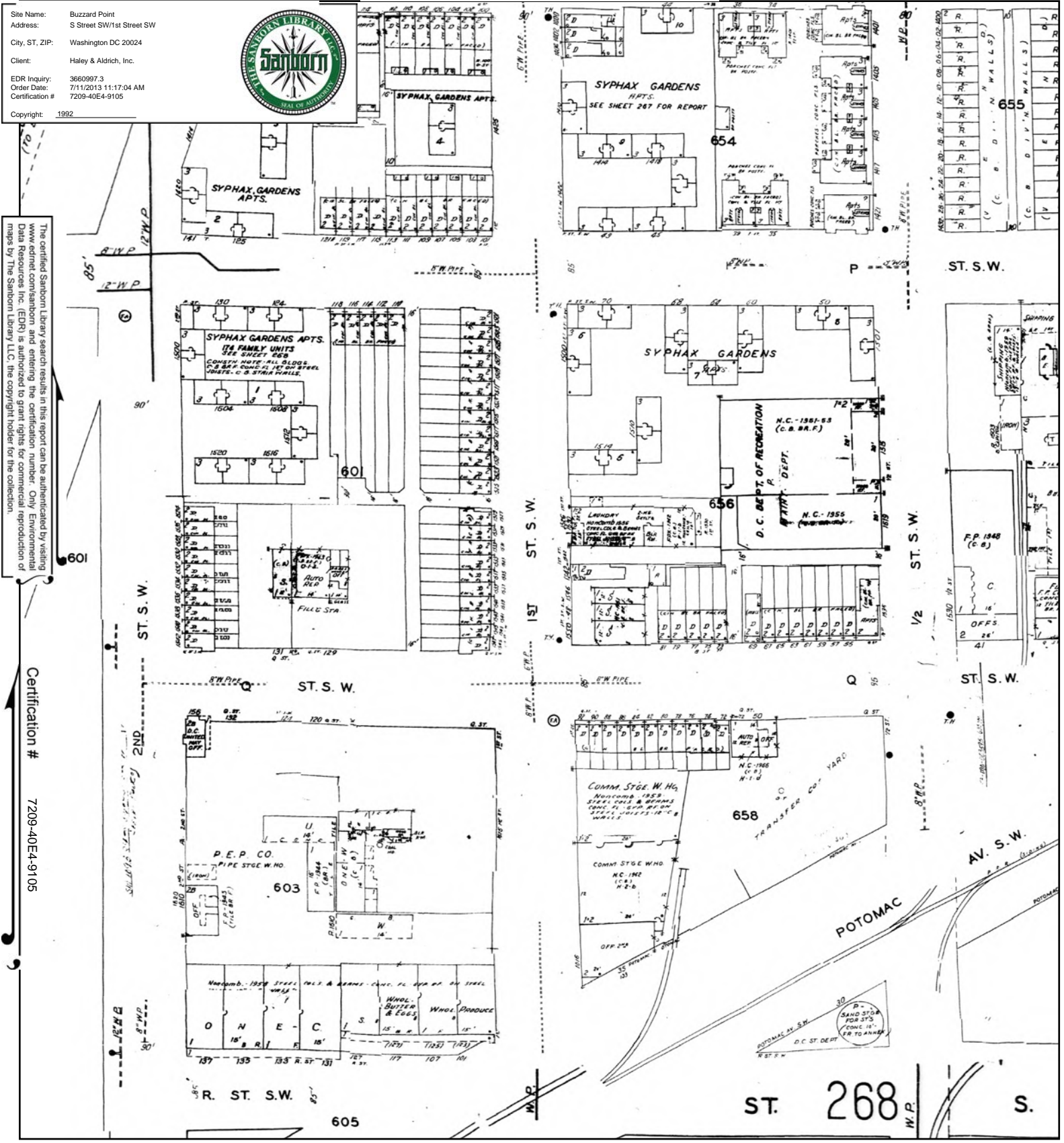
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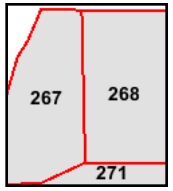
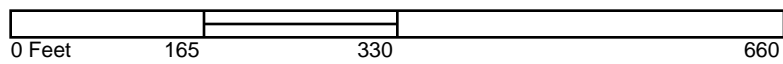


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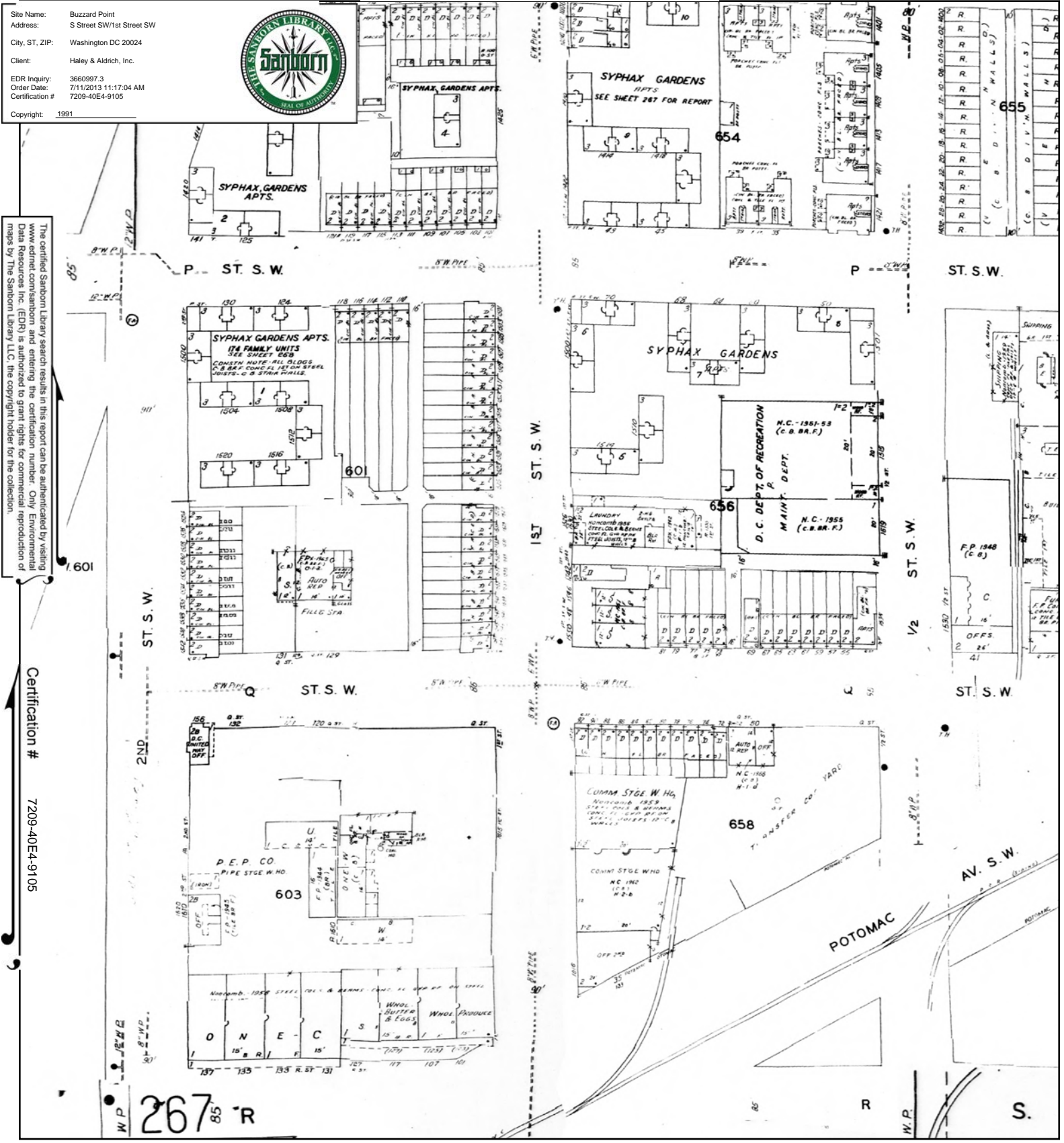
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 Copyright: 1991

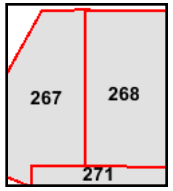
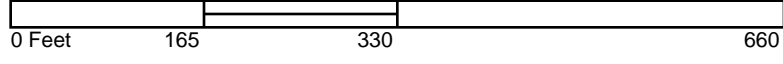


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 Volume 2, Sheet 271



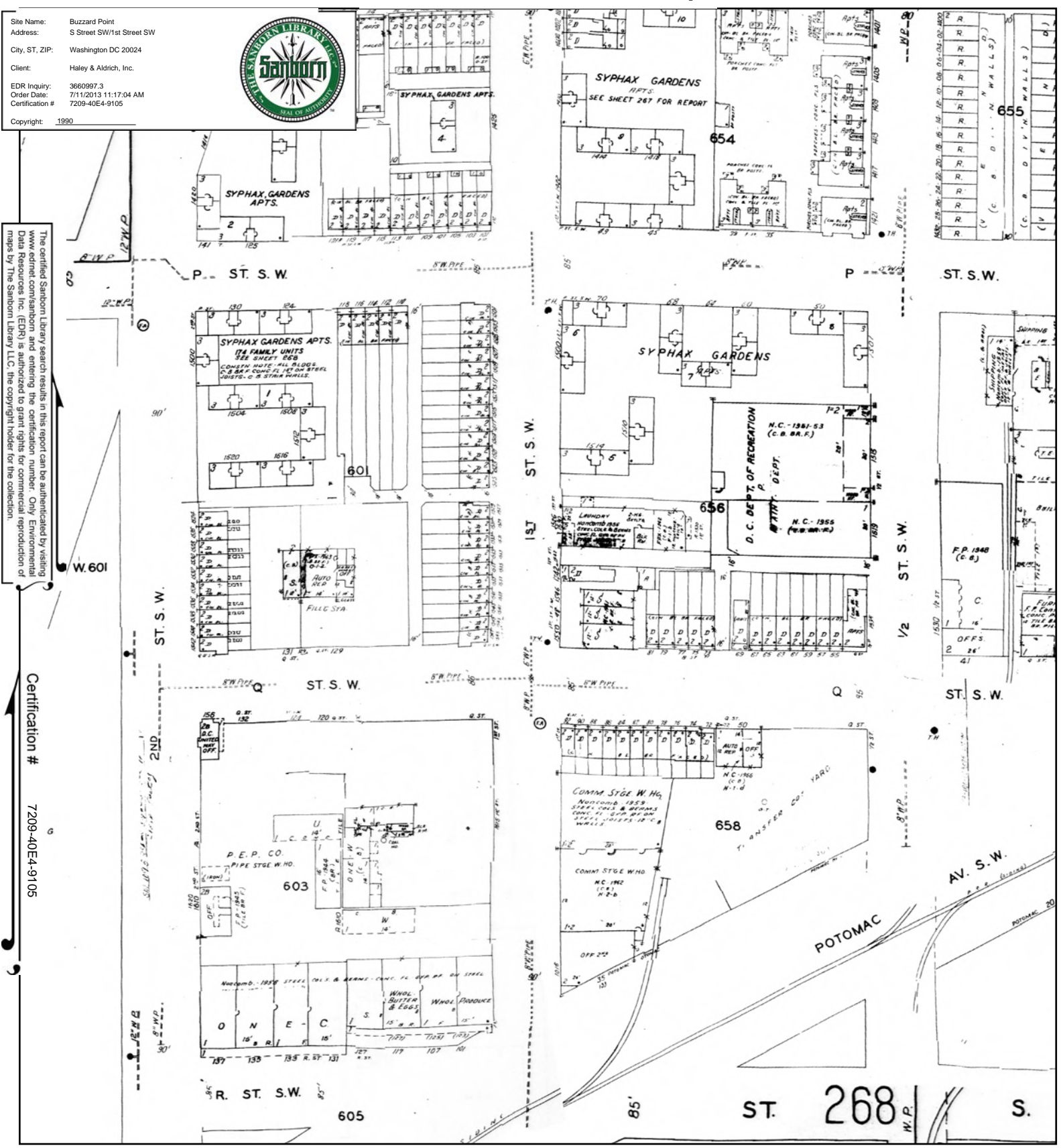
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 City, ST, ZIP: Washington DC 20024
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 EDR Inquiry: 3660997.3
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 Certification #: 7209-40E4-9105
 Copyright: 1990

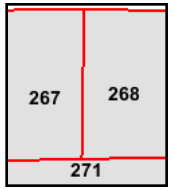
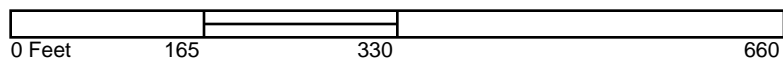


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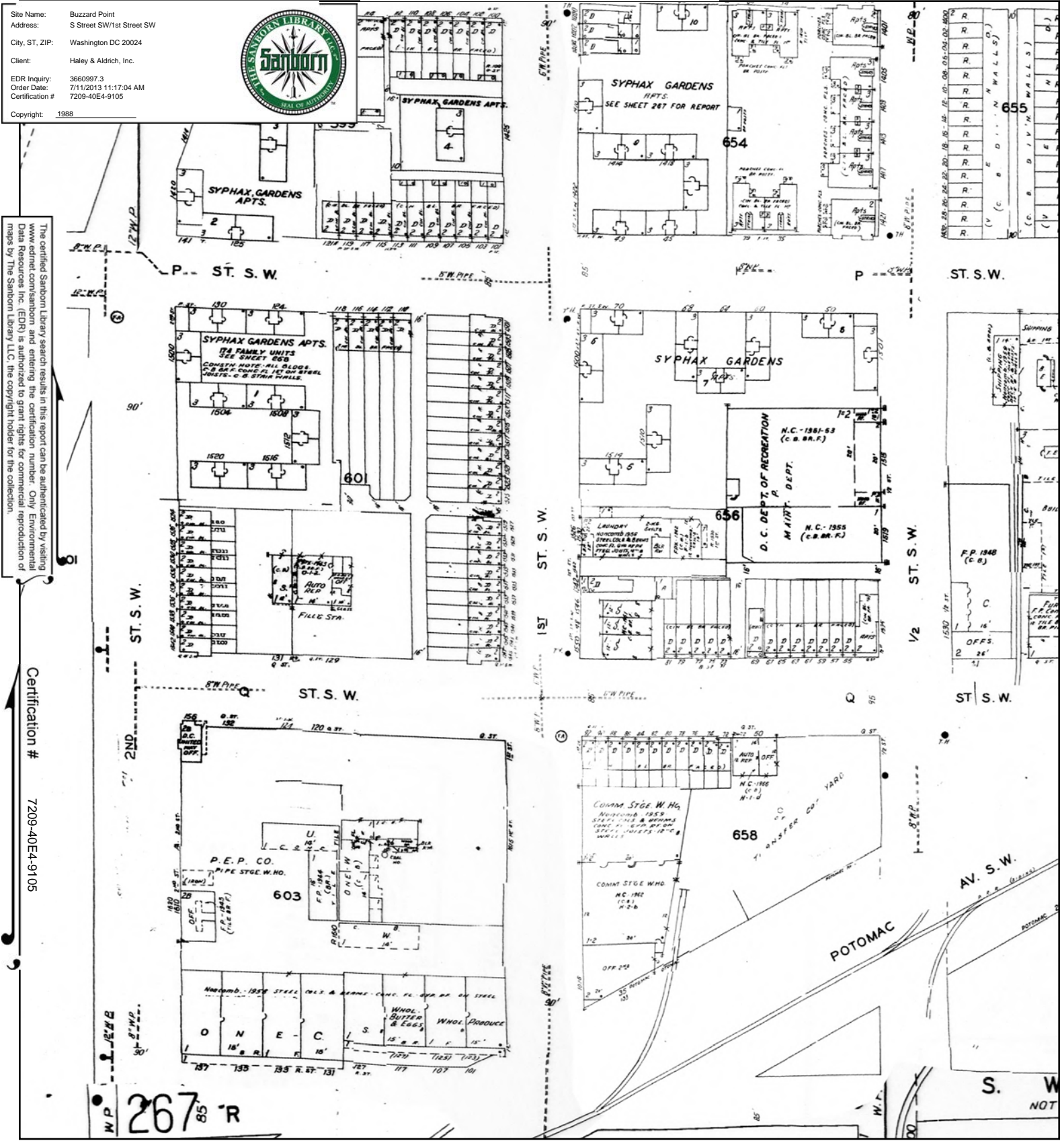
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 Address: S Street SW/1st Street SW
 City, ST, ZIP: Washington DC 20024
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 EDR Inquiry: 3660997.3
 Order Date: 7/11/2013 11:17:04 AM
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 Copyright: 1988

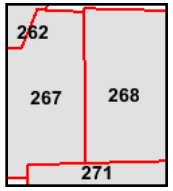
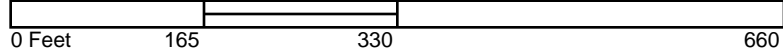


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- Volume 2, Sheet 268
- Volume 2, Sheet 271



1984 Certified Sanborn Map

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 Address: S Street SW/1st Street SW
 City, ST, ZIP: Washington DC 20024
 Client: Haley & Aldrich, Inc.
 EDR Inquiry: 3660997.3
 Order Date: 7/11/2013 11:17:04 AM
 Certification #: 7209-40E4-9105
 Copyright: 1984

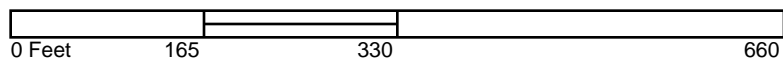


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1977 Certified Sanborn Map

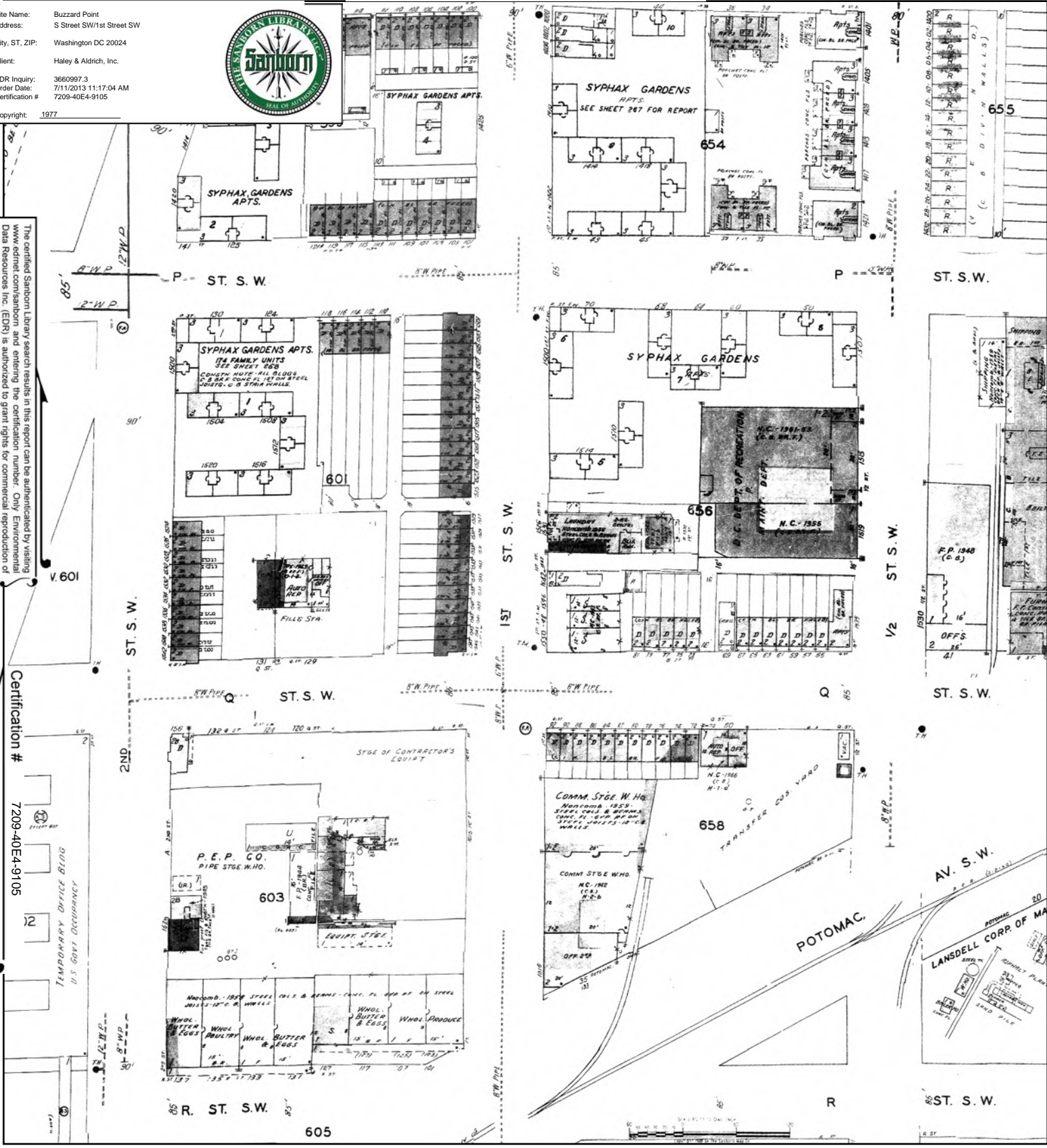
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 Certification #: 7209-40E4-9105
 Copyright: 1977



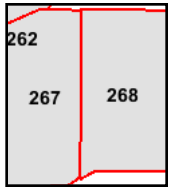
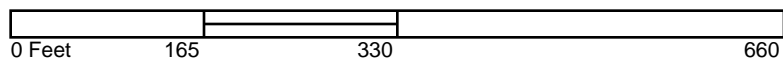
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Volume 2, Sheet 262
 Volume 2, Sheet 267
 Volume 2, Sheet 268



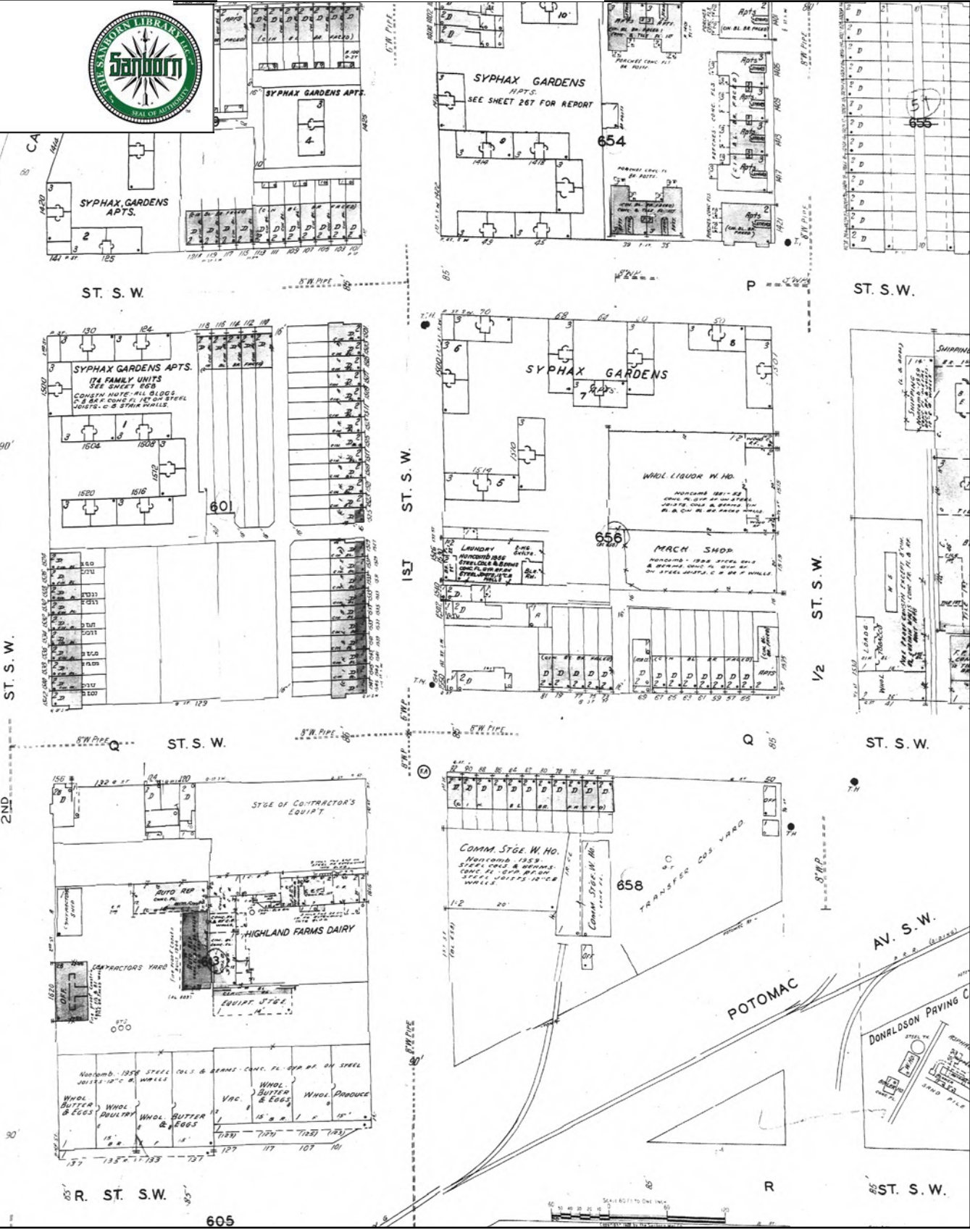
1959 Certified Sanborn Map

Site Name: Buzzard Point
 Address: S Street SW/1st Street SW
 City, ST, ZIP: Washington DC 20024
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 Order Date: 7/11/2013 11:17:04 AM
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 Copyright: 1959

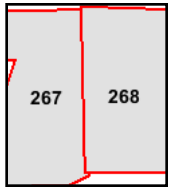
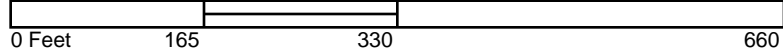


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Volume 2, Sheet 267
 Volume 2, Sheet 268

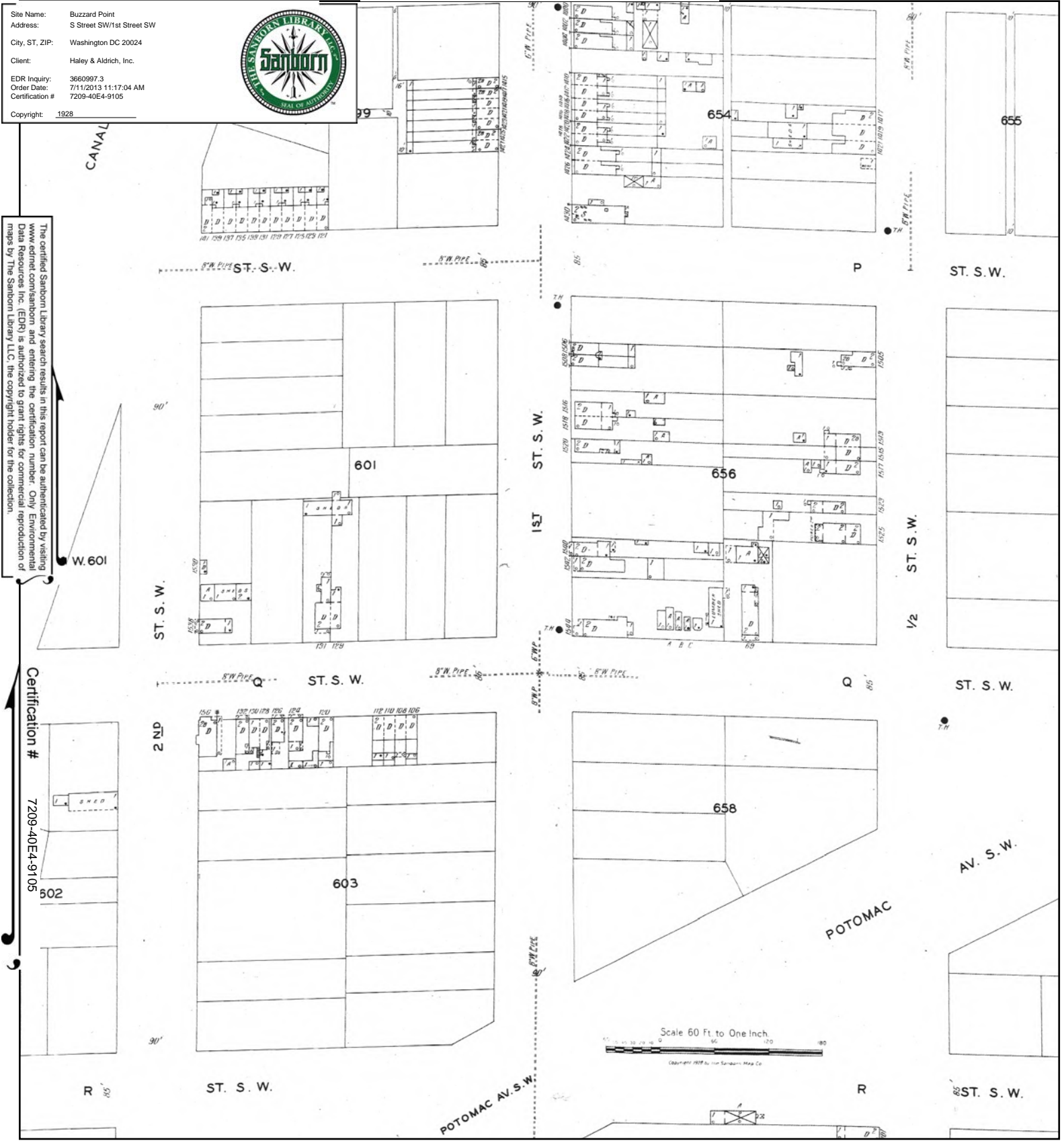
1928 Certified Sanborn Map

Site Name: Buzzard Point
 Address: S Street SW/1st Street SW
 City, ST, ZIP: Washington DC 20024
 Client: Haley & Aldrich, Inc.
 EDR Inquiry #: 3660997.3
 Order Date: 7/11/2013 11:17:04 AM
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 Copyright: 1928

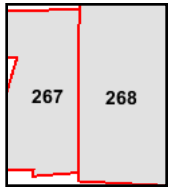
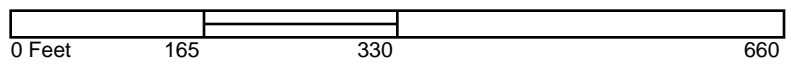


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Certification # 7209-40E4-9105



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



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 Volume 2, Sheet 268





Buzzard Point

S Street SW/1st Street SW
Washington, DC 20024

Inquiry Number: 3660997.3
July 11, 2013

Certified Sanborn® Map Report

Certified Sanborn® Map Report

7/11/13

Site Name:

Buzzard Point
S Street SW/1st Street SW
Washington, DC 20024

Client Name:

Haley & Aldrich, Inc.
465 Medford Street
Boston, MA 02129



EDR Inquiry # 3660997.3

Contact: Kristen Wright-Ng

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Haley & Aldrich, Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Buzzard Point
Address: S Street SW/1st Street SW
City, State, Zip: Washington, DC 20024
Cross Street:
P.O. # 40223-001
Project: Buzzard Point
Certification # 7209-40E4-9105



Sanborn® Library search results
Certification # 7209-40E4-9105

Maps Provided:

1998	1984
1994	1977
1992	1959
1991	1928
1990	
1988	

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



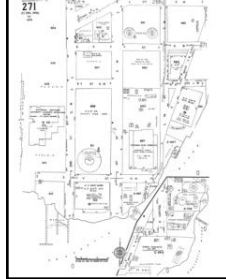
1998 Source Sheets



Volume 2, Sheet 267



Volume 2, Sheet 268



Volume 2, Sheet 271

1994 Source Sheets



Volume 2, Sheet 267



Volume 2, Sheet 268



Volume 2, Sheet 271

1992 Source Sheets



Volume 2, Sheet 267



Volume 2, Sheet 268



Volume 2, Sheet 271

1991 Source Sheets



Volume 2, Sheet 267



Volume 2, Sheet 268



Volume 2, Sheet 271

1990 Source Sheets



Volume 2, Sheet 267



Volume 2, Sheet 268

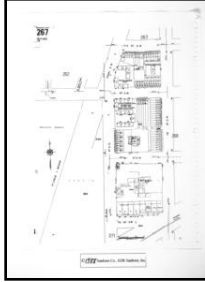


Volume 2, Sheet 271

1988 Source Sheets



Volume 2, Sheet 271



Volume 2, Sheet 267



Volume 2, Sheet 268

1984 Source Sheets



Volume 2, Sheet 267



Volume 2, Sheet 268



Volume 2, Sheet 271

1977 Source Sheets



Volume 2, Sheet 267

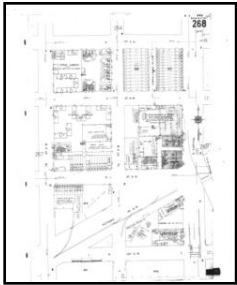


Volume 2, Sheet 268

1959 Source Sheets

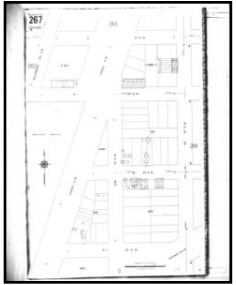


Volume 2, Sheet 267

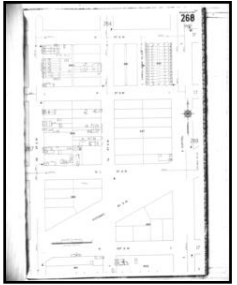


Volume 2, Sheet 268

1928 Source Sheets



Volume 2, Sheet 267



Volume 2, Sheet 268

1998 Certified Sanborn Map

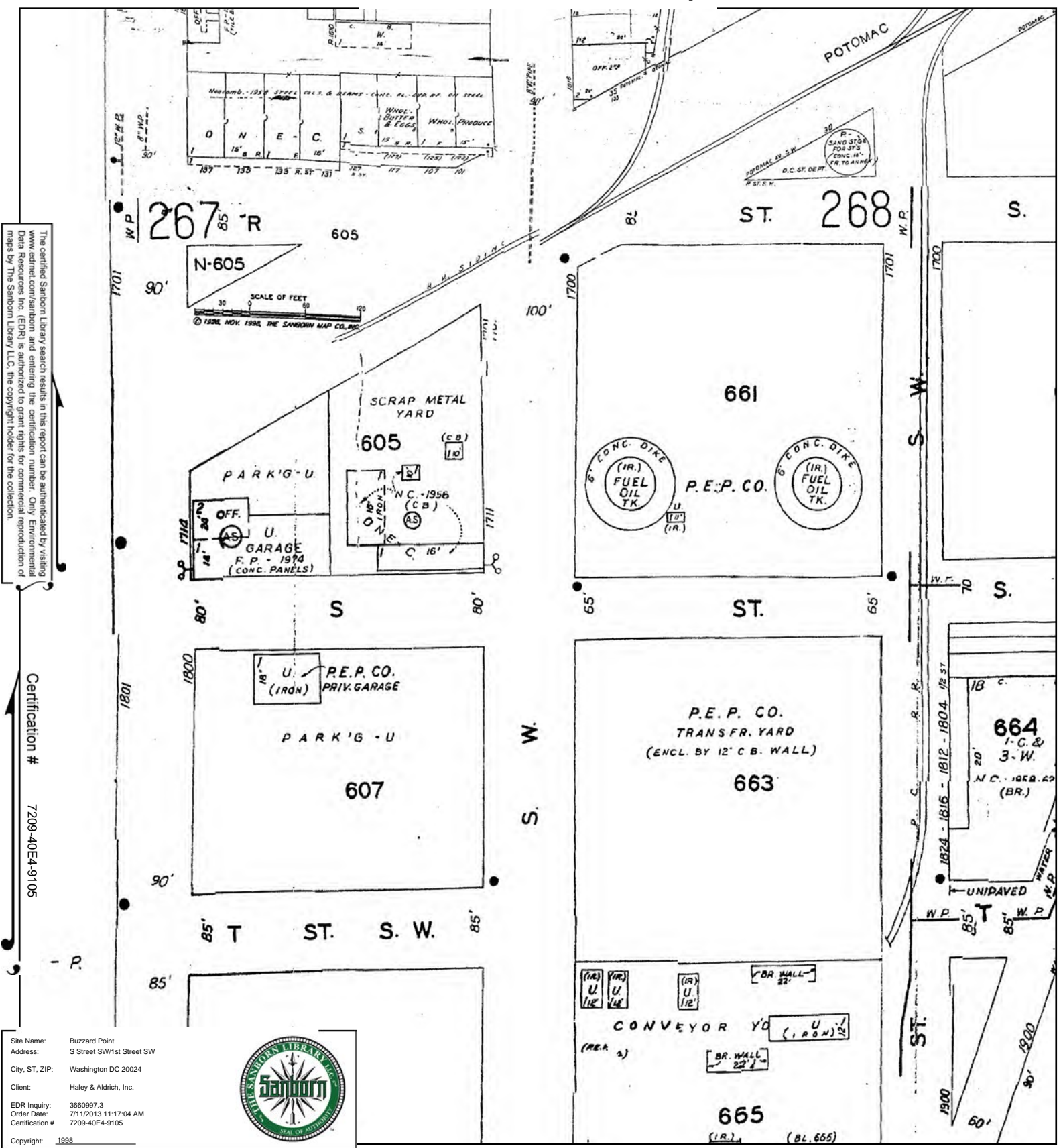
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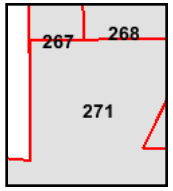
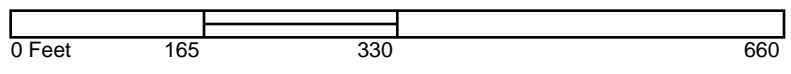
Site Name: Buzzard Point
 Address: S Street SW/1st Street SW
 City, ST, ZIP: Washington DC 20024
 Client: Haley & Aldrich, Inc.
 EDR Inquiry: 3660997.3
 Order Date: 7/11/2013 11:17:04 AM
 Certification #: 7209-40E4-9105



Copyright: 1998



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Volume 2, Sheet 267
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1994 Certified Sanborn Map

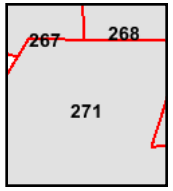
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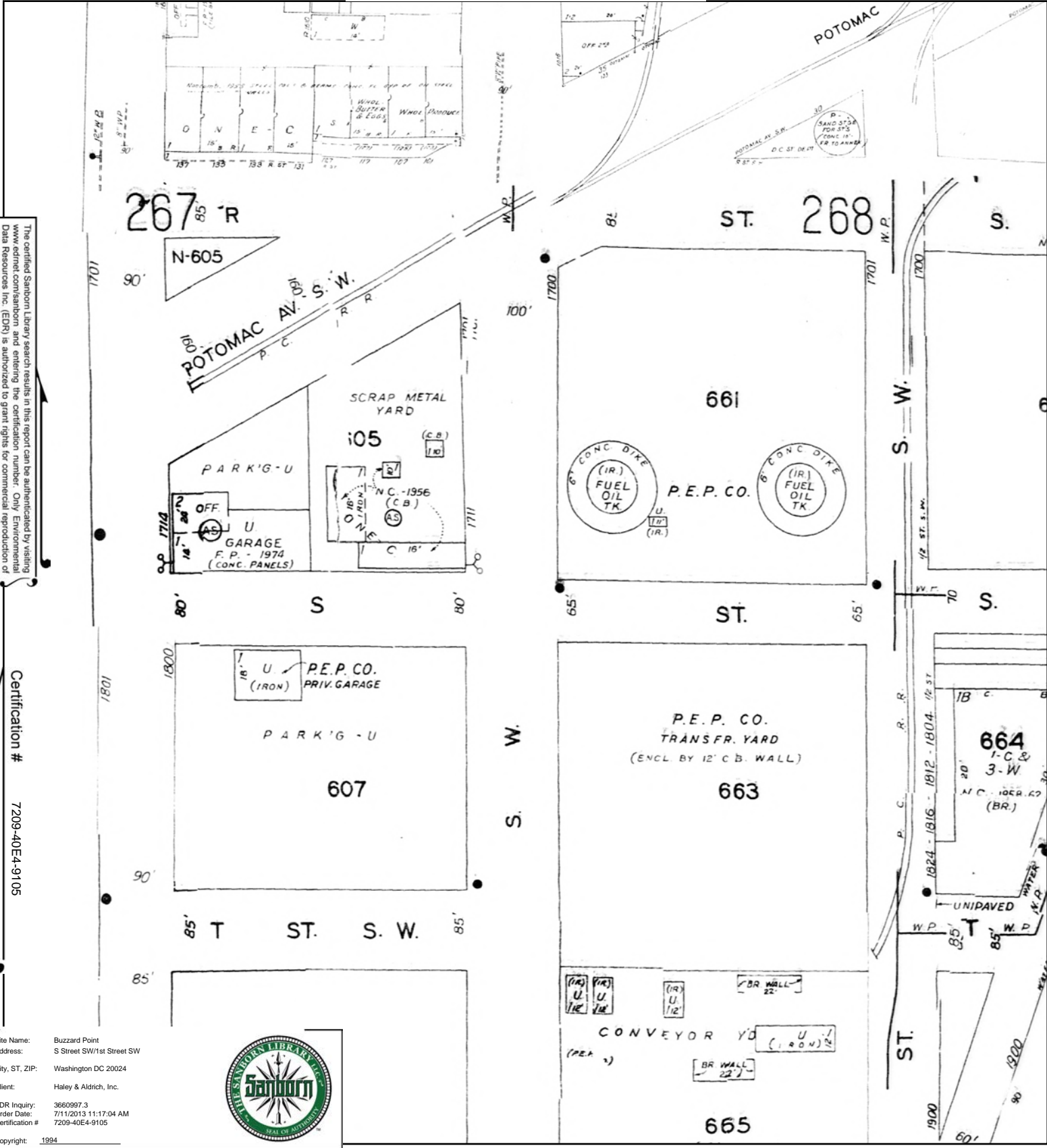
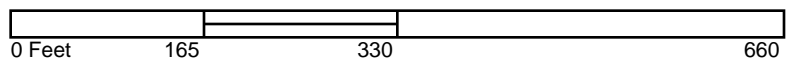
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 Address: S Street SW/1st Street SW
 City, ST, ZIP: Washington DC 20024
 Client: Haley & Aldrich, Inc.
 EDR Inquiry: 3660997.3
 Order Date: 7/11/2013 11:17:04 AM
 Certification #: 7209-40E4-9105
 Copyright: 1994



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 Volume 2, Sheet 268
 Volume 2, Sheet 271

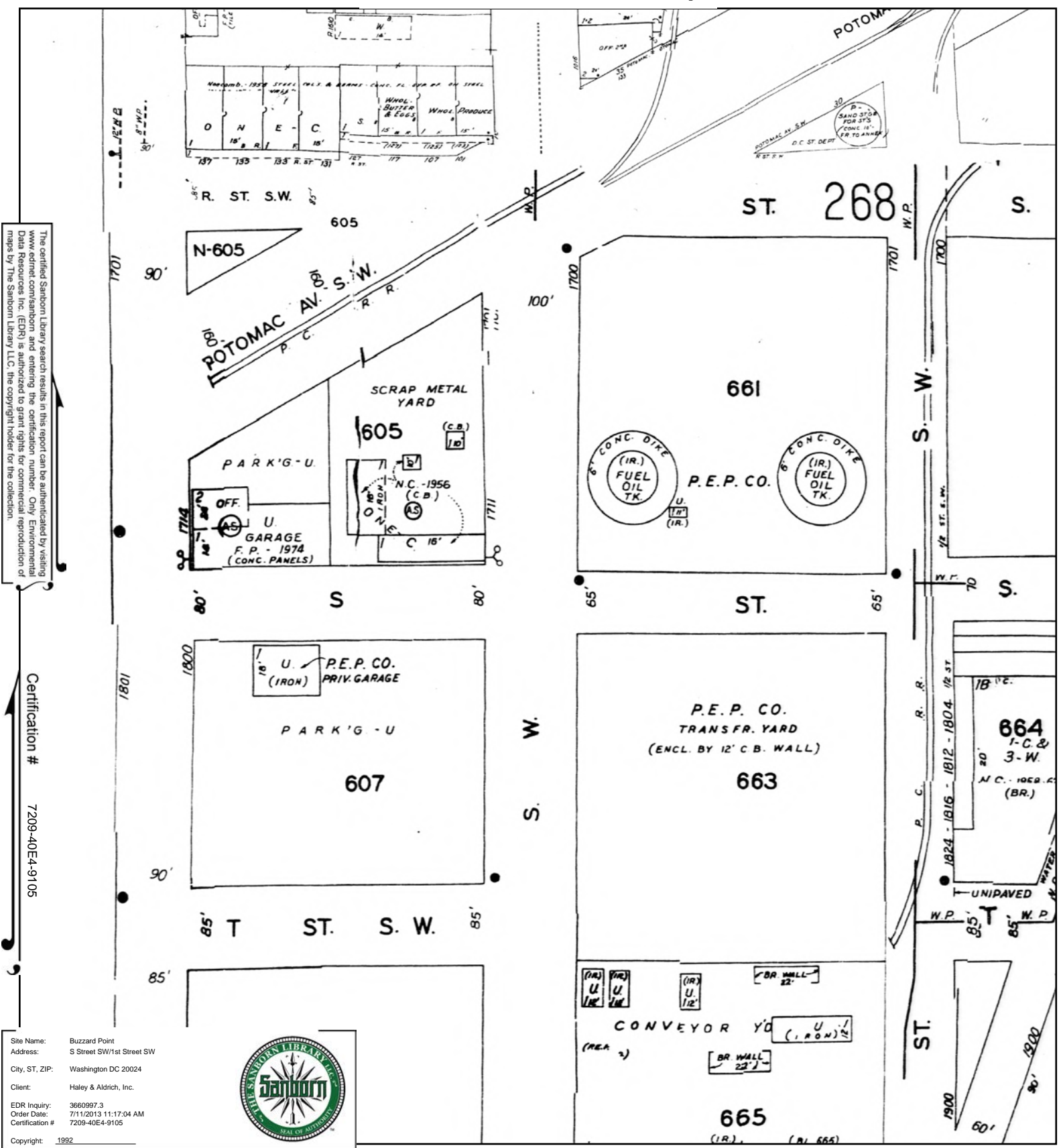


1992 Certified Sanborn Map

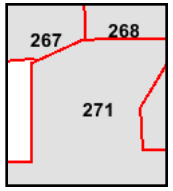
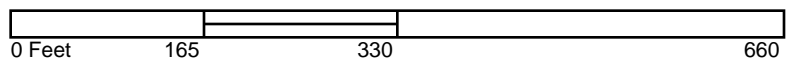
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 City, ST, ZIP: Washington DC 20024
 Client: Haley & Aldrich, Inc.
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 Certification #: 7209-40E4-9105
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Volume 2, Sheet 267
 Volume 2, Sheet 268
 Volume 2, Sheet 271



1990 Certified Sanborn Map

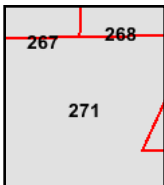
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Certification # 7209-40E4-9105

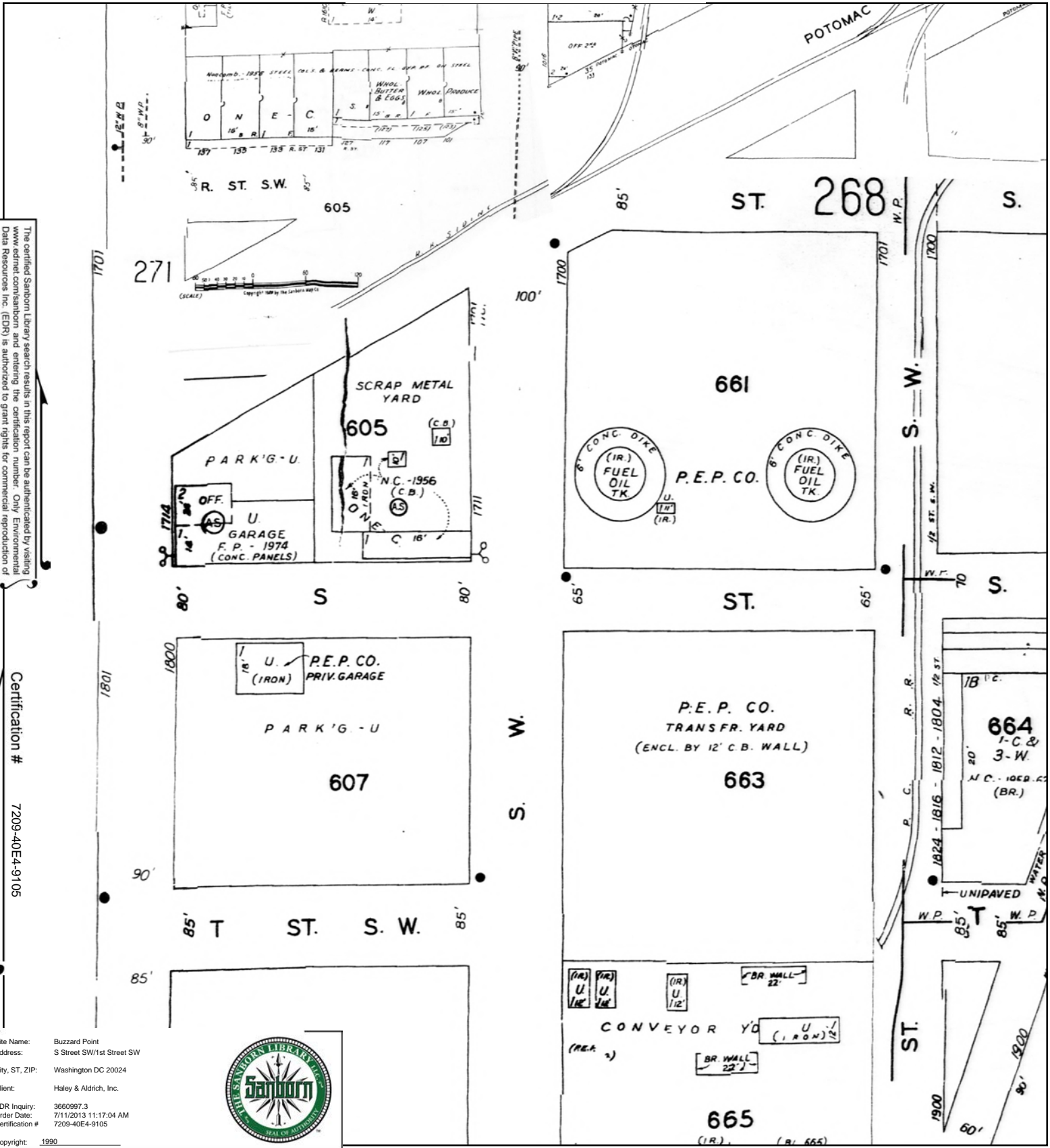
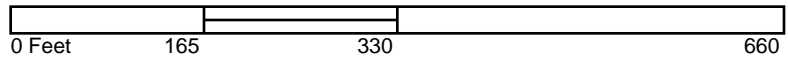
Site Name: Buzzard Point
 Address: S Street SW/1st Street SW
 City, ST, ZIP: Washington DC 20024
 Client: Haley & Aldrich, Inc.
 EDR Inquiry: 3660997.3
 Order Date: 7/11/2013 11:17:04 AM
 Certification #: 7209-40E4-9105



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 2, Sheet 267
 Volume 2, Sheet 268
 Volume 2, Sheet 271



1988 Certified Sanborn Map

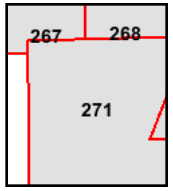
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Certification # 7209-40E4-9105

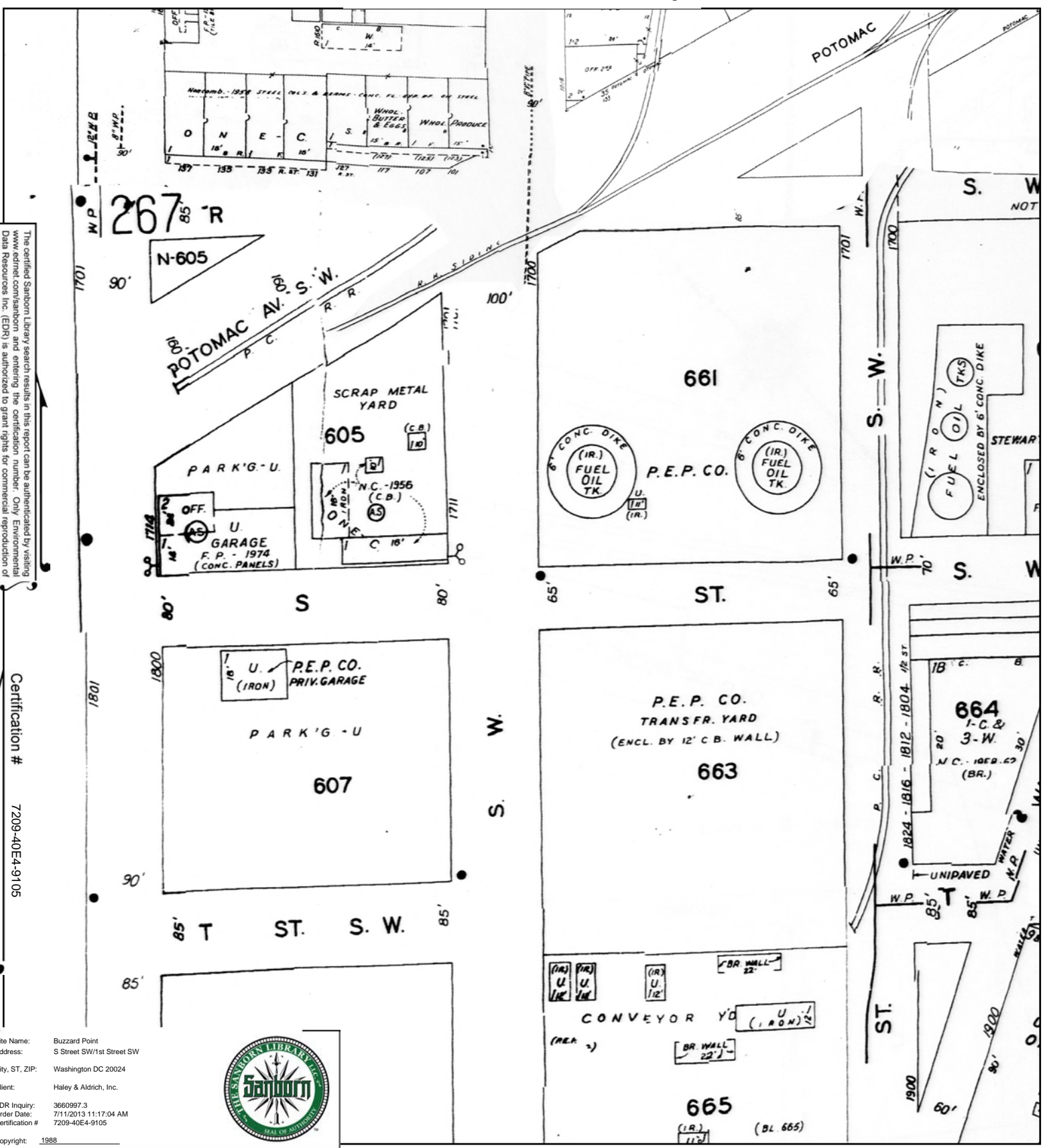
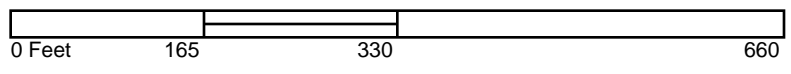
Site Name: Buzzard Point
 Address: S Street SW/1st Street SW
 City, ST, ZIP: Washington DC 20024
 Client: Haley & Aldrich, Inc.
 EDR Inquiry: 3660997.3
 Order Date: 7/11/2013 11:17:04 AM
 Certification #: 7209-40E4-9105



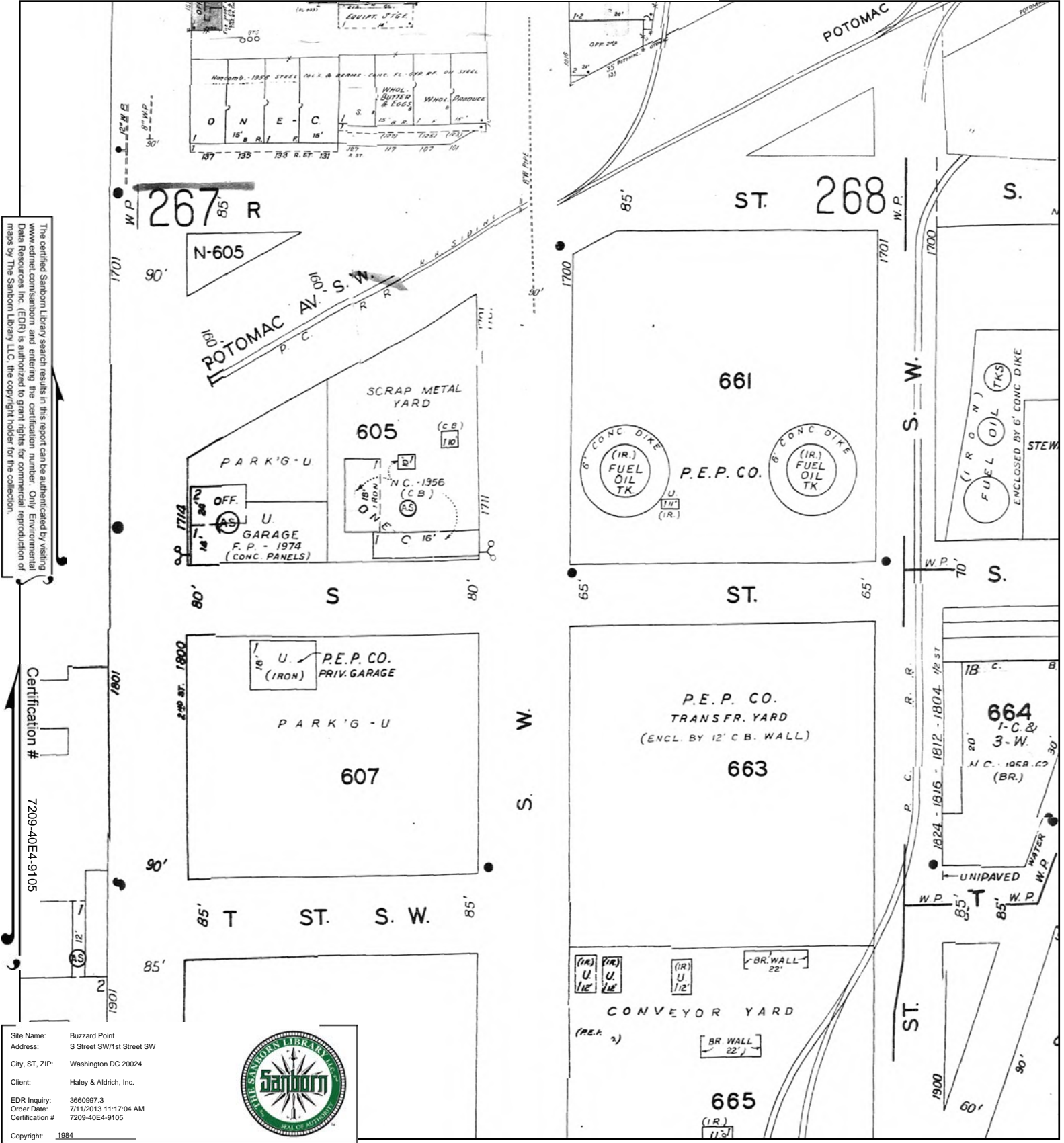
This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 2, Sheet 271
 Volume 2, Sheet 267
 Volume 2, Sheet 268



1984 Certified Sanborn Map



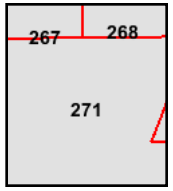
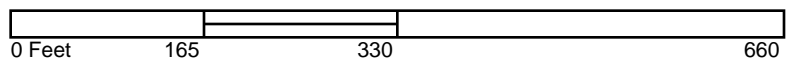
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Certification # 7209-40E4-9105

Site Name: Buzzard Point
 Address: S Street SW/1st Street SW
 City, ST, ZIP: Washington DC 20024
 Client: Haley & Aldrich, Inc.
 EDR Inquiry: 3660997.3
 Order Date: 7/11/2013 11:17:04 AM
 Certification # 7209-40E4-9105
 Copyright: 1984



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 2, Sheet 267
 Volume 2, Sheet 268
 Volume 2, Sheet 271



1977 Certified Sanborn Map

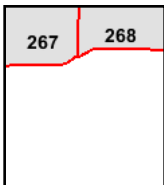
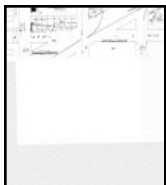
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Certification # 7209-40E4-9105

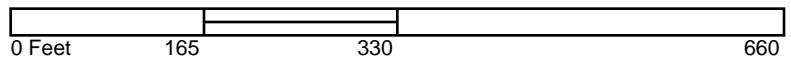
Site Name:	Buzzard Point
Address:	S Street SW/1st Street SW
City, ST, ZIP:	Washington DC 20024
Client:	Haley & Aldrich, Inc.
EDR Inquiry:	3660997.3
Order Date:	7/11/2013 11:17:04 AM
Certification #	7209-40E4-9105
Copyright:	1977



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 2, Sheet 267
Volume 2, Sheet 268



1959 Certified Sanborn Map

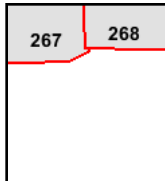
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 7209-40E4-9105

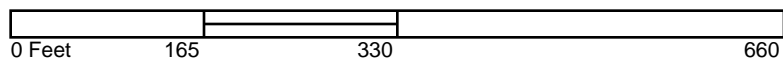
Site Name:	Buzzard Point
Address:	S Street SW/1st Street SW
City, ST, ZIP:	Washington DC 20024
Client:	Haley & Aldrich, Inc.
EDR Inquiry:	3660997.3
Order Date:	7/11/2013 11:17:04 AM
Certification #	7209-40E4-9105
Copyright:	1959



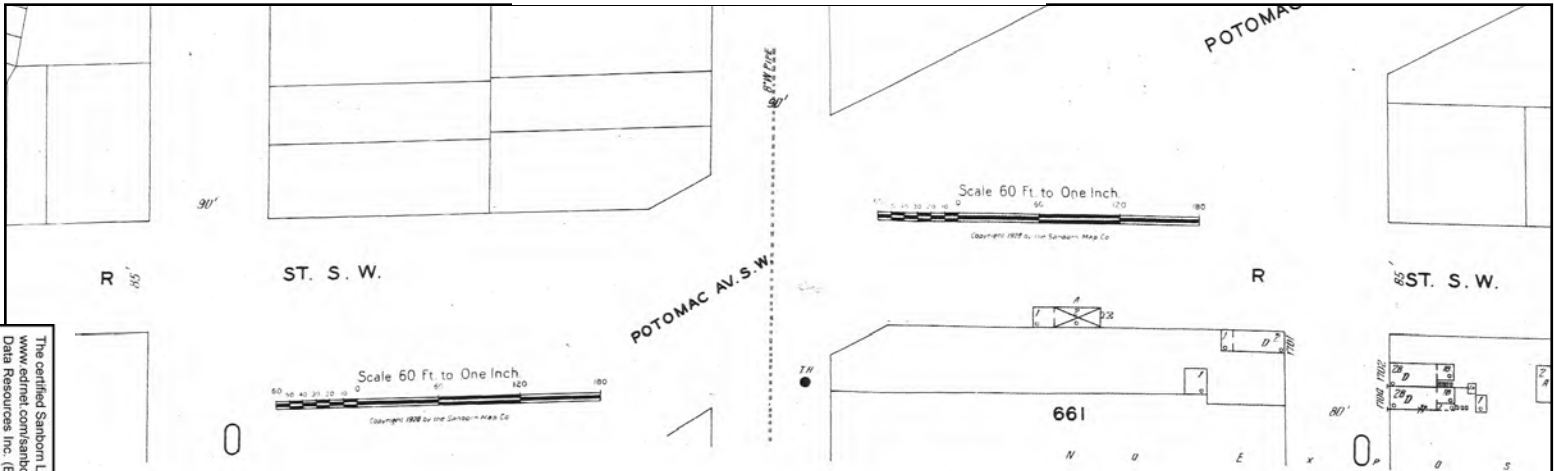
This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 2, Sheet 267
Volume 2, Sheet 268



1928 Certified Sanborn Map



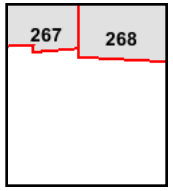
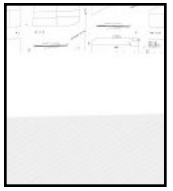
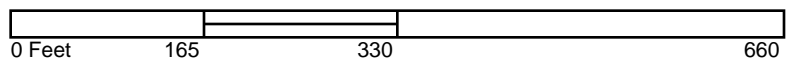
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Certification # 7209-40E4-9105

Site Name:	Buzzard Point
Address:	S Street SW/1st Street SW
City, ST, ZIP:	Washington DC 20024
Client:	Haley & Aldrich, Inc.
EDR Inquiry:	3660997.3
Order Date:	7/11/2013 11:17:04 AM
Certification #	7209-40E4-9105
Copyright:	1928



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 2, Sheet 267
Volume 2, Sheet 268





Ward	Male	Inhabitants	Total
Howard Rd SE	1609	1893	3502
Sutland Pkwy	2430	2598	5028
Third	3491	2429	5920
Fourth	1202	1462	2664
Seventh	1864	1741	3605
Total	14590	15115	29705

"Map of Washington, D.C." prepared by Lloyd Van Derveer, dated 1851.

© 2013 Google

Google earth



Buzzard Point

S Street SW/1st Street SW
Washington, DC 20024

Inquiry Number: 3660997.4
July 10, 2013

EDR Historical Topographic Map Report

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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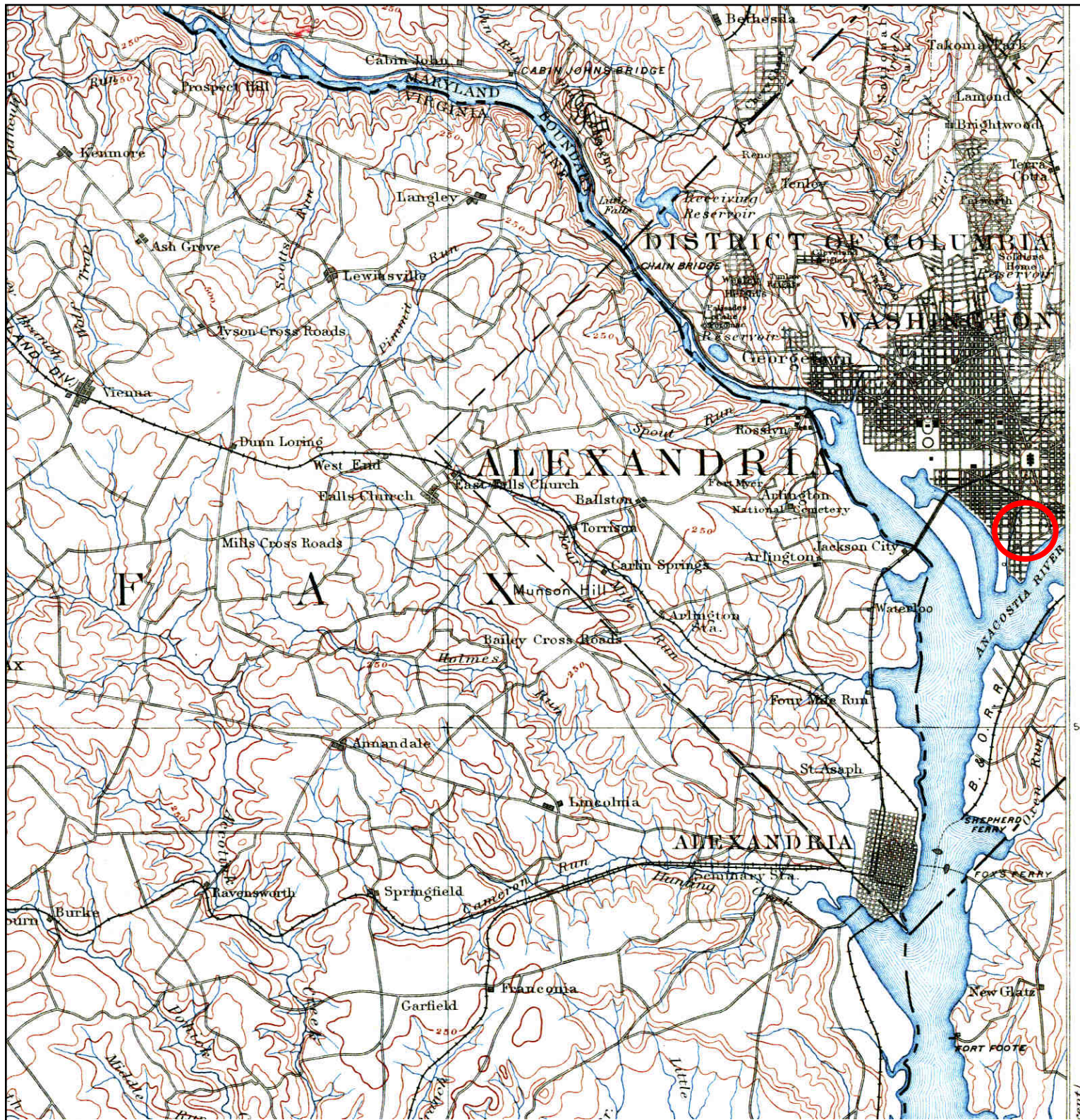
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Historical Topographic Map



<p>N ↑</p>	<p>TARGET QUAD NAME: WEST WASHINGTON MAP YEAR: 1885</p>	<p>SITE NAME: Buzzard Point ADDRESS: S Street SW/1st Street SW Washington, DC 20024 LAT/LONG: 38.8683 / -77.0121</p>	<p>CLIENT: Haley & Aldrich, Inc. CONTACT: Kristen Wright-Ng INQUIRY#: 3660997.4 RESEARCH DATE: 07/10/2013</p>
	<p>SERIES: 15 SCALE: 1:62500</p>		

Historical Topographic Map



<p>N</p>	<p>TARGET QUAD NAME: MOUNT VERNON MAP YEAR: 1894</p>	<p>SITE NAME: Buzzard Point ADDRESS: S Street SW/1st Street SW Washington, DC 20024 LAT/LONG: 38.8683 / -77.0121</p>	<p>CLIENT: Haley & Aldrich, Inc. CONTACT: Kristen Wright-Ng INQUIRY#: 3660997.4 RESEARCH DATE: 07/10/2013</p>
	<p>SERIES: 30 SCALE: 1:125000</p>		


Historical Topographic Map



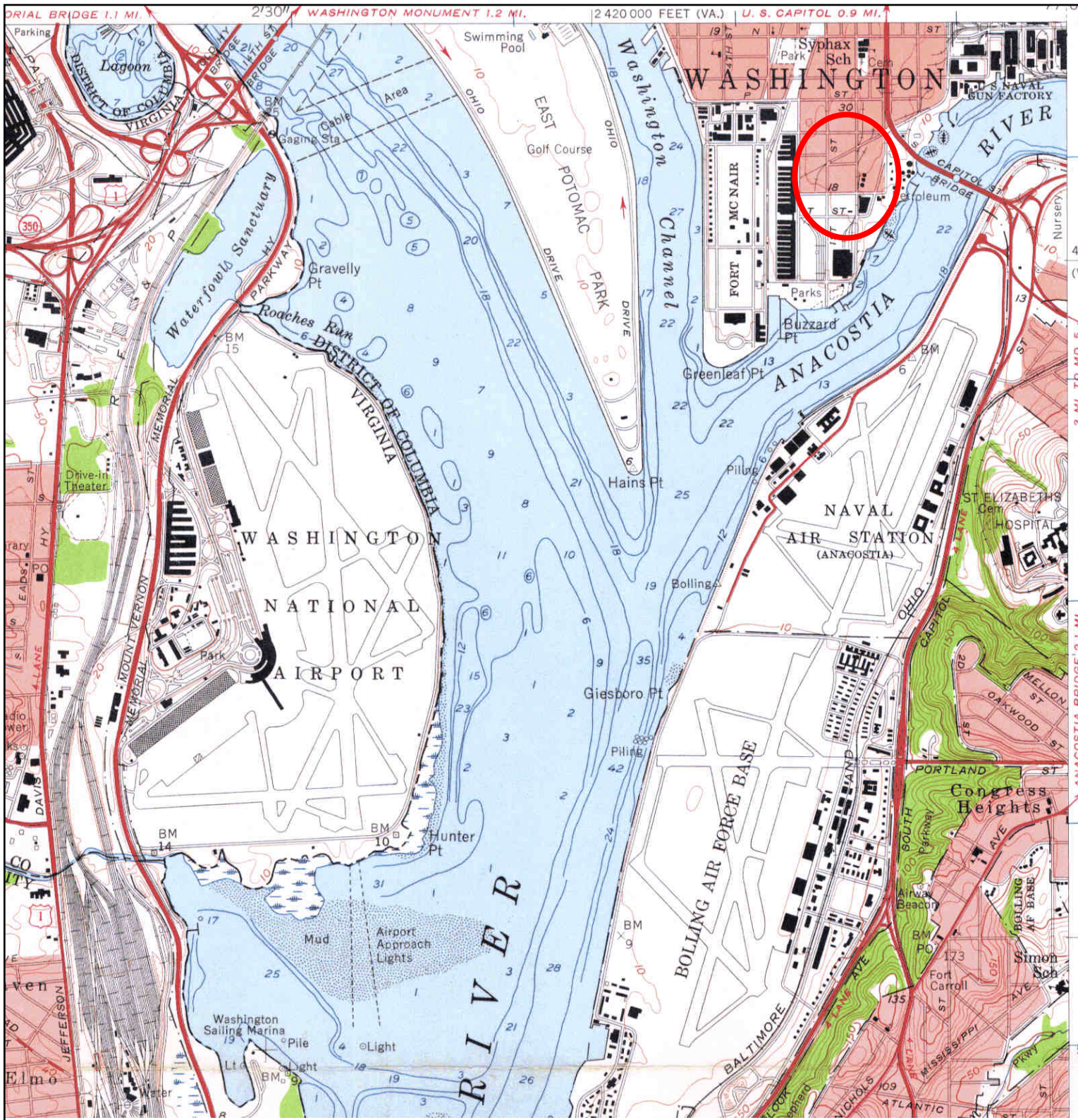
<p>N</p>	TARGET QUAD	SITE NAME: Buzzard Point	CLIENT: Haley & Aldrich, Inc.
	NAME: Washington And Vicinity 4 Of 4	ADDRESS: S Street SW/1st Street SW Washington, DC 20024	CONTACT: Kristen Wright-Ng
	MAP YEAR: 1947	LAT/LONG: 38.8683 / -77.0121	INQUIRY#: 3660997.4
	SERIES: 7.5		RESEARCH DATE: 07/10/2013
	SCALE: 1:31680		


Historical Topographic Map



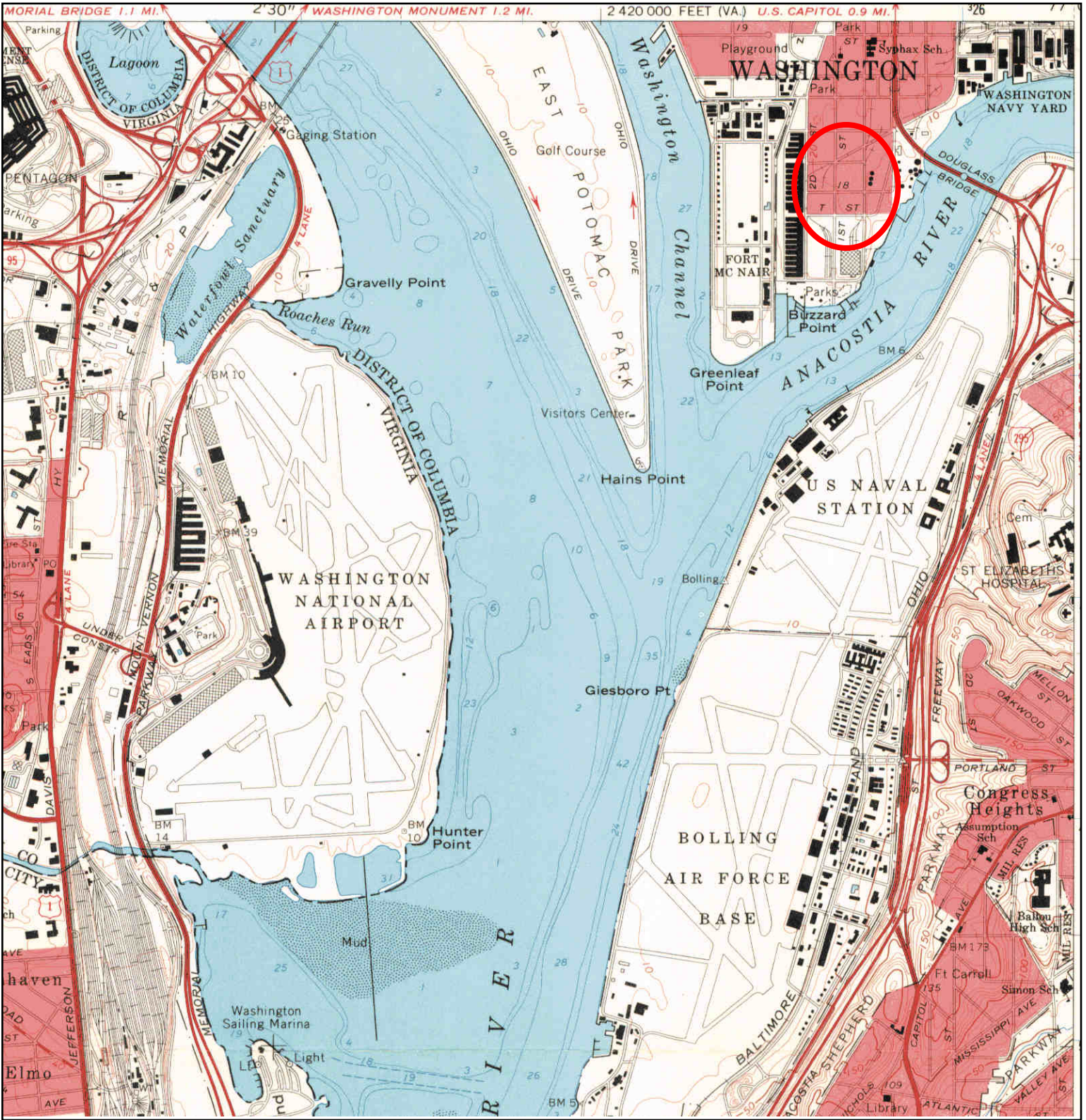
	TARGET QUAD NAME: ALEXANDRIA MAP YEAR: 1951	SITE NAME: Buzzard Point ADDRESS: S Street SW/1st Street SW Washington, DC 20024 LAT/LONG: 38.8683 / -77.0121	CLIENT: Haley & Aldrich, Inc. CONTACT: Kristen Wright-Ng INQUIRY#: 3660997.4 RESEARCH DATE: 07/10/2013
	SERIES: 7.5 SCALE: 1:24000		

Historical Topographic Map



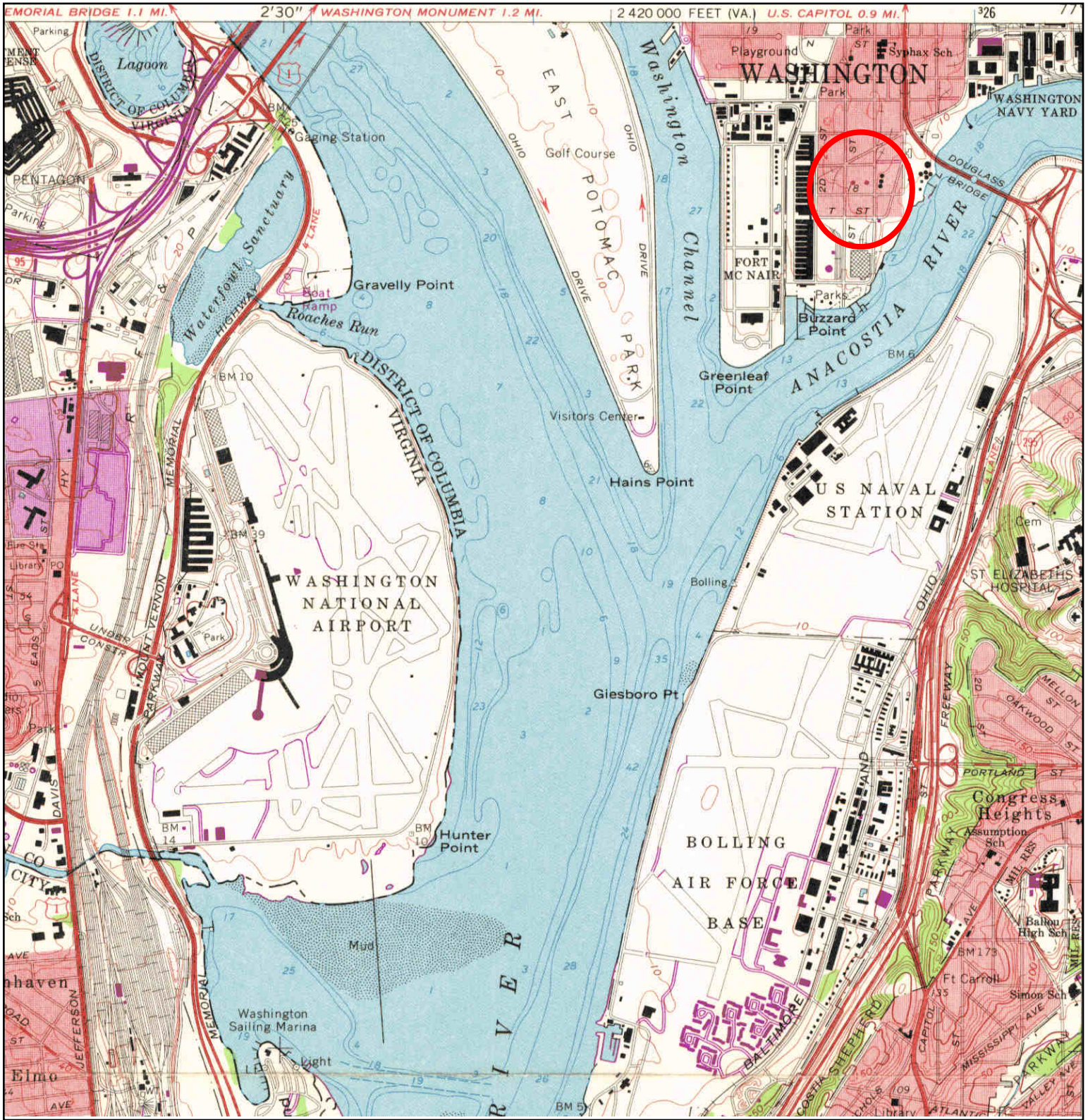
	TARGET QUAD NAME: ALEXANDRIA MAP YEAR: 1956	SITE NAME: Buzzard Point ADDRESS: S Street SW/1st Street SW Washington, DC 20024 LAT/LONG: 38.8683 / -77.0121	CLIENT: Haley & Aldrich, Inc. CONTACT: Kristen Wright-Ng INQUIRY#: 3660997.4 RESEARCH DATE: 07/10/2013
	SERIES: 7.5 SCALE: 1:24000		


Historical Topographic Map



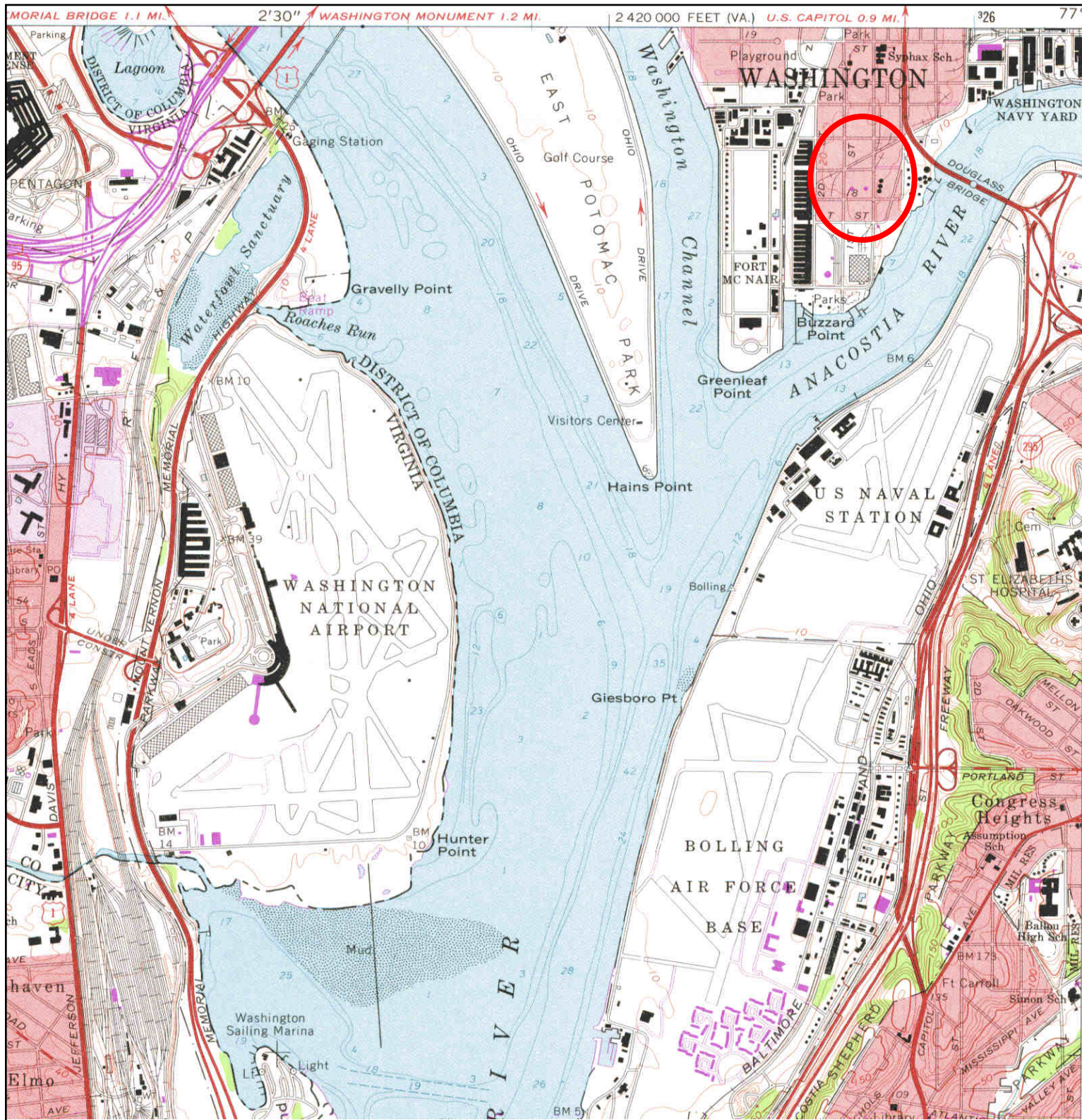
	TARGET QUAD	SITE NAME: Buzzard Point	CLIENT: Haley & Aldrich, Inc.
	NAME: ALEXANDRIA	ADDRESS: S Street SW/1st Street SW	CONTACT: Kristen Wright-Ng
	MAP YEAR: 1965	Washington, DC 20024	INQUIRY#: 3660997.4
	SERIES: 7.5	LAT/LONG: 38.8683 / -77.0121	RESEARCH DATE: 07/10/2013
	SCALE: 1:24000		

Historical Topographic Map



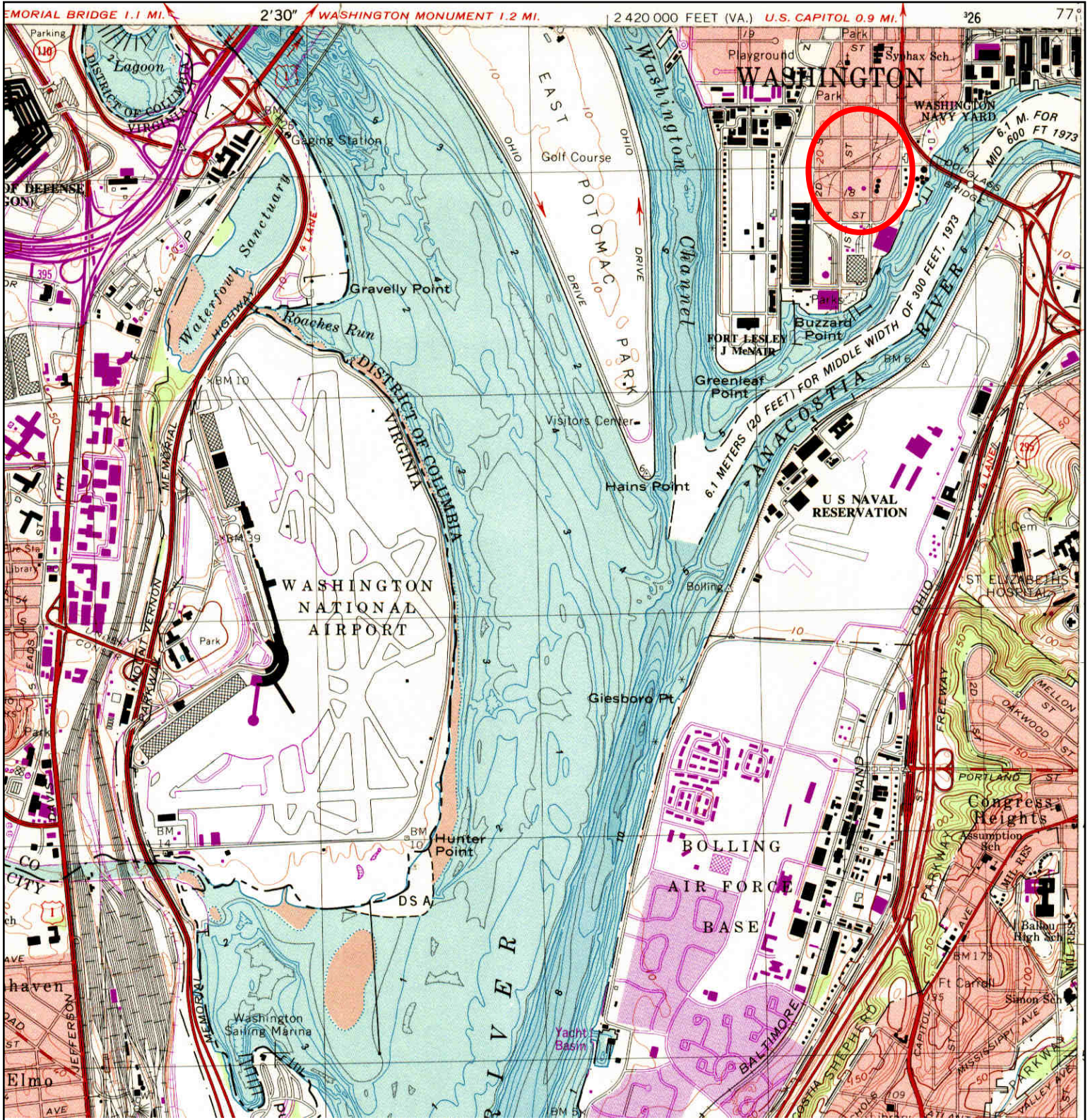
	TARGET QUAD	SITE NAME: Buzzard Point	CLIENT: Haley & Aldrich, Inc.
	NAME: ALEXANDRIA	ADDRESS: S Street SW/1st Street SW	CONTACT: Kristen Wright-Ng
	MAP YEAR: 1971	WASHINGTON, DC 20024	INQUIRY#: 3660997.4
	PHOTOREVISED FROM : 1965	LAT/LONG: 38.8683 / -77.0121	RESEARCH DATE: 07/10/2013
	SERIES: 7.5		
	SCALE: 1:24000		

Historical Topographic Map



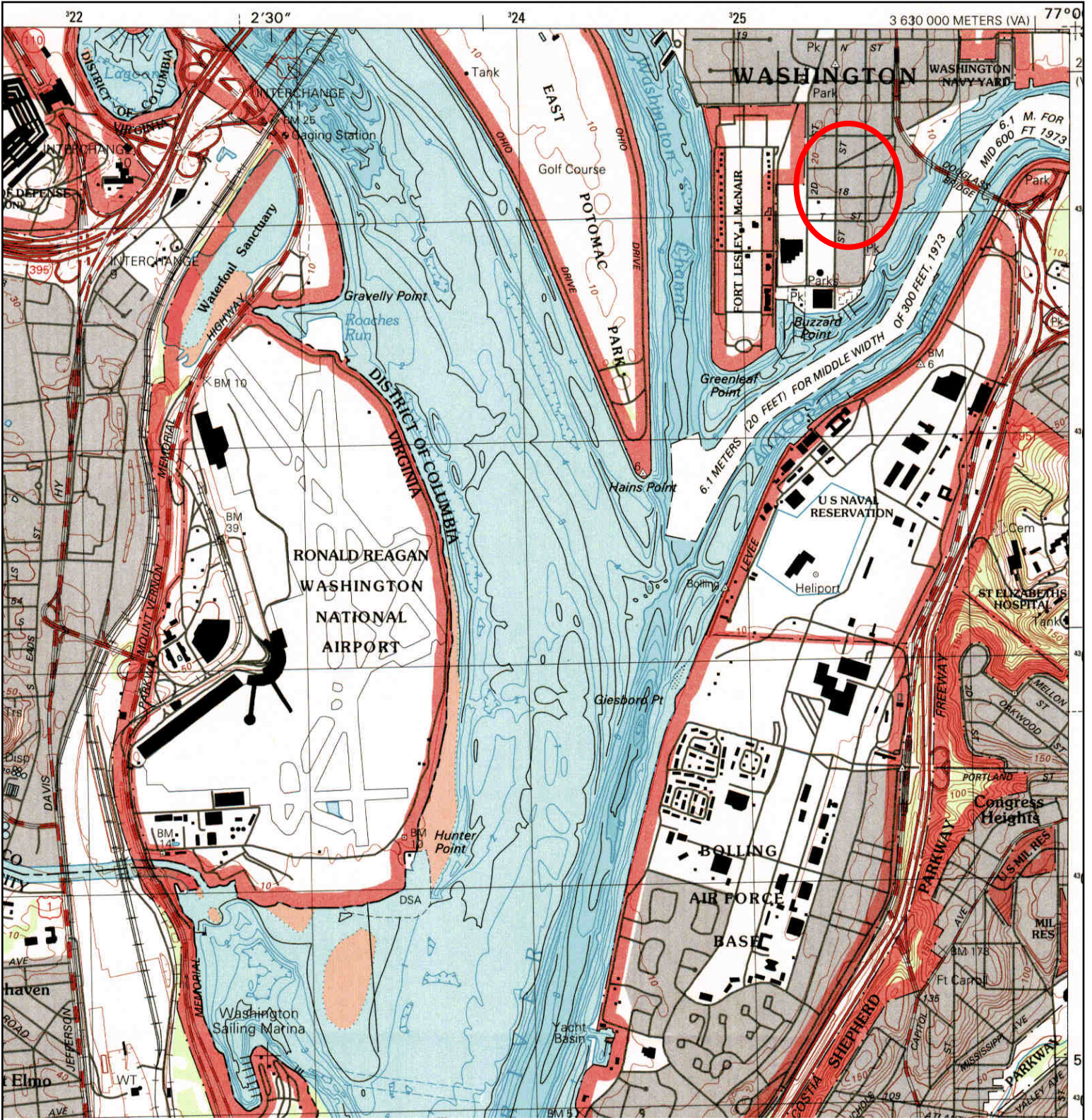
<p>N ↑</p>	TARGET QUAD	SITE NAME: Buzzard Point	CLIENT: Haley & Aldrich, Inc.
	NAME: ALEXANDRIA	ADDRESS: S Street SW/1st Street SW	CONTACT: Kristen Wright-Ng
	MAP YEAR: 1972	Washington, DC 20024	INQUIRY#: 3660997.4
	PHOTOINSPECTED FROM : 1965	LAT/LONG: 38.8683 / -77.0121	RESEARCH DATE: 07/10/2013
	SERIES: 7.5		
	SCALE: 1:24000		

Historical Topographic Map



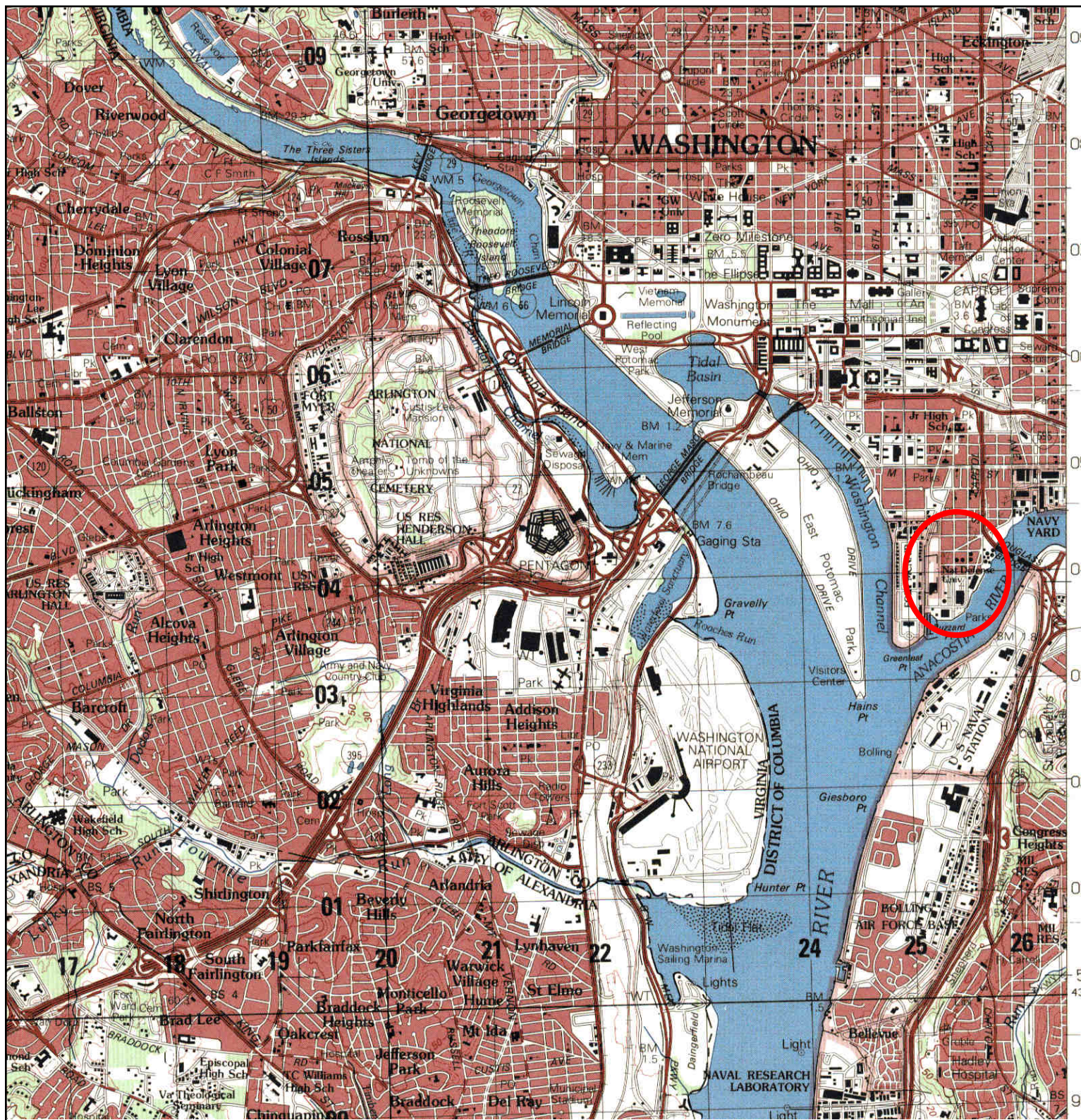
<p>N</p>	TARGET QUAD	SITE NAME: Buzzard Point	CLIENT: Haley & Aldrich, Inc.
	NAME: ALEXANDRIA	ADDRESS: S Street SW/1st Street SW	CONTACT: Kristen Wright-Ng
	MAP YEAR: 1983	Washington, DC 20024	INQUIRY#: 3660997.4
	PHOTOREVISED FROM :1965	LAT/LONG: 38.8683 / -77.0121	RESEARCH DATE: 07/10/2013
	SERIES: 7.5		
	SCALE: 1:24000		

Historical Topographic Map



	TARGET QUAD	SITE NAME: Buzzard Point	CLIENT: Haley & Aldrich, Inc.
	NAME: ALEXANDRIA	ADDRESS: S Street SW/1st Street SW	CONTACT: Kristen Wright-Ng
	MAP YEAR: 1994	WASHINGTON, DC 20024	INQUIRY#: 3660997.4
	SERIES: 7.5	LAT/LONG: 38.8683 / -77.0121	RESEARCH DATE: 07/10/2013
	SCALE: 1:24000		

Historical Topographic Map



<p>N</p>	<p>TARGET QUAD</p> <p>NAME: ALEXANDRIA</p> <p>MAP YEAR: 1994</p>	<p>SITE NAME: Buzzard Point</p> <p>ADDRESS: S Street SW/1st Street SW</p> <p>Washington, DC 20024</p> <p>LAT/LONG: 38.8683 / -77.0121</p>	<p>CLIENT: Haley & Aldrich, Inc.</p> <p>CONTACT: Kristen Wright-Ng</p> <p>INQUIRY#: 3660997.4</p> <p>RESEARCH DATE: 07/10/2013</p>
	<p>SERIES: 15</p> <p>SCALE: 1:50000</p>		

Buzzard Point

S Street SW/1st Street SW
Washington, DC 20024

Inquiry Number: 3660997.6
July 10, 2013

The EDR-City Directory Abstract

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City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1922 through 2012. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2012	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
2007	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
2006	Haines Company, Inc.	-	X	X	-
	Haines Company, Inc.	X	X	X	-
2000	Haines & Company	-	X	X	-
1993	The Chesapeake and Potomac Telephone Company of Virginia	-	X	X	-
1983	The Chesapeake Potomac Telephone Co	-	X	X	-
1978	C&P Telephone	-	X	X	-
1973	The Chesapeake Potomac Telephone Co	-	X	X	-
1969	C&P Telephone	-	X	X	-
	C&P Telephone	X	X	X	-
1964	R. L. Polk & Co.	-	X	X	-
	R. L. Polk & Co.	X	X	X	-
1960	R. L. Polk & Co.	-	X	X	-
1954	R. L. Polk & Co.	-	X	X	-
1948	R. L. Polk & Co.	-	X	X	-
	R. L. Polk & Co.	X	X	X	-
1943	R. L. Polk & Co.	-	X	X	-
1940	R. L. Polk & Co.	-	X	X	-
1936	R. L. Polk & Co.	-	X	X	-
1931	R. L. Polk & Co.	-	X	X	-
1926	R. L. Polk & Co.	-	X	X	-

EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1922	R. L. Polk & Co.	-	X	X	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

<u>Address</u>	<u>Type</u>	<u>Findings</u>
1711 1st Street SW	Client Entered	X
1714 2nd Street SW	Client Entered	X
1930 1st Street SW	Client Entered	

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

S Street SW/1st Street SW
Washington, DC 20024

FINDINGS DETAIL

Target Property research detail.

1ST ST SW

1711 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	SUPER SALVAGE INC	Cole Information Services
2007	SUPER SALVAGE INC	Cole Information Services
2006	SUPER SALVAGE	Haines Company, Inc.
	SUPERSALVAGE	Haines Company, Inc.
1964	Buzzard Point Boat Yd	R. L. Polk & Co.
	Super Salvage Inc	R. L. Polk & Co.

1714 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Crockett Yuria	R. L. Polk & Co.

1st Street SW

1711 1st Street SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SUPER SALVAGE	Haines Company, Inc.
	SUPERSALVAGE	Haines Company, Inc.
1964	Buzzard Point Boat Yd	R. L. Polk & Co.
	Super Salvage Inc	R. L. Polk & Co.

1930 1st Street SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
-------------	-------------	---------------

FINDINGS

2ND SW

1714 2ND SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	WASHINGTON DELIVERIES INC	C&P Telephone

2ND ST SW

1714 2ND ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ENRIQUEC LYON	Haines Company, Inc.
1964	Anacostia River	R. L. Polk & Co.
	Corinthian Yacht Club club hse	R. L. Polk & Co.
	Corinthian Yacht Club stewart hse	R. L. Polk & Co.
	Credit Union	R. L. Polk & Co.
	Stoll Louis J	R. L. Polk & Co.
	Washn Del Inc	R. L. Polk & Co.

2nd Street SW

1714 2nd Street SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ENRIQUEC LYON	Haines Company, Inc.
1969	WASHINGTON DELIVERIES INC	C&P Telephone
1964	Anacostia River	R. L. Polk & Co.
	Corinthian Yacht Club club hse	R. L. Polk & Co.
	Corinthian Yacht Club stewart hse	R. L. Polk & Co.
	Credit Union	R. L. Polk & Co.
	Stoll Louis J	R. L. Polk & Co.
	Washn Del Inc	R. L. Polk & Co.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

1 STH 2 SW

1912 1 STH 2 SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	MOAYEDI Roxanna	The Chesapeake and Potomac Telephone Company of Virginia

1ST SW

1805 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1943	1ST SW Contd	R. L. Polk & Co.
	Taylor Mary Mrs	R. L. Polk & Co.
1931	Taylor Jesse	R. L. Polk & Co.
1926	Taylor Jessie	R. L. Polk & Co.
1922	Taylor Jesse	R. L. Polk & Co.

1817 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Dungan Robt L	R. L. Polk & Co.
1926	Penn Wm	R. L. Polk & Co.
1922	Fenwick Geo D	R. L. Polk & Co.

1821 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1943	Vacant	R. L. Polk & Co.
	cor Corinthian Yacht Club	R. L. Polk & Co.
	Anacostia River	R. L. Polk & Co.
	Unopened to Xenia	R. L. Polk & Co.
1931	Jackson Fannie Mrs	R. L. Polk & Co.
	1ST SW Contd	R. L. Polk & Co.
1926	Jackson Fannie Mrs	R. L. Polk & Co.
1922	Anderson Carl L	R. L. Polk & Co.

1901 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Brown Lee	R. L. Polk & Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1922	Kerns Lee coal	R. L. Polk & Co.

1927 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Vacant	R. L. Polk & Co.
1926	Buchanan Clarence	R. L. Polk & Co.
1922	Vacant	R. L. Polk & Co.

1929 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Vacant	R. L. Polk & Co.
1926	Nelson Wm	R. L. Polk & Co.
1922	Nelson Wm	R. L. Polk & Co.

1931 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Vacant	R. L. Polk & Co.
1926	Brown Nettie	R. L. Polk & Co.
1922	Brown Percy	R. L. Polk & Co.

1ST ST SW

1648 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	M & J CARRYOUT	Haines Company, Inc.

1700 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Wilkerson Louise Mrs	R. L. Polk & Co.

1702 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Washington Rose	R. L. Polk & Co.

1704 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Johns Adorpus	R. L. Polk & Co.

1706 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Greene Geo	R. L. Polk & Co.

FINDINGS

1716 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Gay Marvin	R. L. Polk & Co.

1717 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Milton Jas	R. L. Polk & Co.

1718 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Bradshaw Raymond	R. L. Polk & Co.

1720 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Smith Jas T	R. L. Polk & Co.

1722 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Jackson Anna Mrs	R. L. Polk & Co.

1724 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Ware Isaac	R. L. Polk & Co.

1725 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Southwest Nursery	R. L. Polk & Co.

1726 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Davis Freeman	R. L. Polk & Co.

1728 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Stephens Alphonso	R. L. Polk & Co.

1730 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Brooks Willie	R. L. Polk & Co.

1732 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Shann Prince A	R. L. Polk & Co.

FINDINGS

1734 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Hall Jos A	R. L. Polk & Co.

1736 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Lindes Bennie E	R. L. Polk & Co.

1738 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Bonner Edgar	R. L. Polk & Co.

1740 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Lomax Melisia	R. L. Polk & Co.

1742 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Martin Leonidas	R. L. Polk & Co.

1800 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Wilson Otto C	R. L. Polk & Co.

1802 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Amedeo Earl	R. L. Polk & Co.

1804 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Simms Geo	R. L. Polk & Co.

1805 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1940	Taylor Jesse	R. L. Polk & Co.
1936	Taylor Jesse	R. L. Polk & Co.

1806 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Humphrey Virginia	R. L. Polk & Co.

FINDINGS

1810 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Joyner Joe	R. L. Polk & Co.

1812 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Penn Wm	R. L. Polk & Co.

1814 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Hamilton Wm	R. L. Polk & Co.

1816 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Blair Horace	R. L. Polk & Co.

1817 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Rollins Geo	R. L. Polk & Co.
1940	Spaulding Edw	R. L. Polk & Co.
1936	Bidwell John P	R. L. Polk & Co.
	Dale Alf C	R. L. Polk & Co.

1818 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Albert Emizie	R. L. Polk & Co.

1820 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Jackson Willie	R. L. Polk & Co.

1821 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Fines Thos	R. L. Polk & Co.
1940	Simmonds Harold A	R. L. Polk & Co.
	Anacostia River	R. L. Polk & Co.
	cor Corinthian Yacht Club	R. L. Polk & Co.
	Jackson Fannie Mrs	R. L. Polk & Co.
	Unopened to Xenia	R. L. Polk & Co.
1936	Jackson Fannie H Mrs	R. L. Polk & Co.

FINDINGS

1822 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Woodland Bruce	R. L. Polk & Co.

1824 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Holmes Arline	R. L. Polk & Co.

1825 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	POWER Richard atty	The Chesapeake and Potomac Telephone Company of Virginia
1948	Thomas Maurice	R. L. Polk & Co.

1826 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Watts Clarence	R. L. Polk & Co.

1828 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Guin Arth	R. L. Polk & Co.

1830 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Porter Chas	R. L. Polk & Co.

1832 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Dority Henry	R. L. Polk & Co.

1834 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Harley Jesse L	R. L. Polk & Co.

1836 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Kellogg Harold	R. L. Polk & Co.

1838 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Cephas Robt J	R. L. Polk & Co.

FINDINGS

1840 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Brown Henry	R. L. Polk & Co.

1842 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Jefferson Edw	R. L. Polk & Co.

1844 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Thomas Bennie	R. L. Polk & Co.

1846 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Richardson Louise	R. L. Polk & Co.

1848 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Stafford Tommie	R. L. Polk & Co.

1850 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Anacostia River	R. L. Polk & Co.
	cor Corinthian Yacht	R. L. Polk & Co.
	Jones Boyd L	R. L. Polk & Co.
	Unopened to Xenia	R. L. Polk & Co.

1901 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1936	Kerns Lee E	R. L. Polk & Co.

1927 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1936	Vacant	R. L. Polk & Co.

1929 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1936	Vacant	R. L. Polk & Co.

1931 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1936	Lewis Jas R	R. L. Polk & Co.

FINDINGS

1ST/POTOMAC AV

1ST/POTOMAC AV

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	1ST/POTOMAC AV	R. L. Polk & Co.
1954	1ST/POTOMAC AV	R. L. Polk & Co.

1ST/R

1ST/R

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	1ST/R	R. L. Polk & Co.
	1ST/R	R. L. Polk & Co.
	1ST/R	R. L. Polk & Co.
1954	1ST/R	R. L. Polk & Co.
	1ST/R	R. L. Polk & Co.
	1ST/R	R. L. Polk & Co.
1948	1ST/R	R. L. Polk & Co.
	1ST/R	R. L. Polk & Co.
	1ST/R	R. L. Polk & Co.

1ST/S

1ST/S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	1ST/S	R. L. Polk & Co.
	1ST/S	R. L. Polk & Co.
	1ST/S	R. L. Polk & Co.
1954	1ST/S	R. L. Polk & Co.
	1ST/S	R. L. Polk & Co.
	1ST/S	R. L. Polk & Co.
1948	1ST/S	R. L. Polk & Co.
	1ST/S	R. L. Polk & Co.

1ST/T

1ST/T

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	1ST/T	R. L. Polk & Co.
	1ST/T	R. L. Polk & Co.
1954	1ST/T	R. L. Polk & Co.
	1ST/T	R. L. Polk & Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	1ST/T	R. L. Polk & Co.
	1ST/T	R. L. Polk & Co.

2ND SW

1900 2ND SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1922	Ford Wm	R. L. Polk & Co.

1904 2ND SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Anacostia River	R. L. Polk & Co.
	Ford Wm	R. L. Polk & Co.
1926	Ford Wm	R. L. Polk & Co.

1912 2ND SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Swan Robt	R. L. Polk & Co.
1922	Swann Robt S express	R. L. Polk & Co.

2ND ST SW

1905 2ND ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	Becon Services Corp	The Chesapeake and Potomac Telephone Company of Virginia

2ND/R

2ND/R

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	2ND/R	R. L. Polk & Co.
	2ND/R	R. L. Polk & Co.
1954	2ND/R	R. L. Polk & Co.
	2ND/R	R. L. Polk & Co.

2ND/S

2ND/S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	2ND/S	R. L. Polk & Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	2ND/S	R. L. Polk & Co.
	2ND/S	R. L. Polk & Co.
1954	2ND/S	R. L. Polk & Co.
	2ND/S	R. L. Polk & Co.
	2ND/S	R. L. Polk & Co.
1948	2ND/S	R. L. Polk & Co.

2ND/T

2ND/T

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	2ND/T	R. L. Polk & Co.
	2ND/T	R. L. Polk & Co.
	2ND/T	R. L. Polk & Co.
1954	2ND/T	R. L. Polk & Co.
	2ND/T	R. L. Polk & Co.
	2ND/T	R. L. Polk & Co.
1948	2ND/T	R. L. Polk & Co.
	2ND/T	R. L. Polk & Co.

HALF SW

1701 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Norris Geo A	R. L. Polk & Co.
1926	Dungan Robt	R. L. Polk & Co.
1922	Dungan Wm G	R. L. Polk & Co.

1702 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Fisher Wm R	R. L. Polk & Co.
1922	Penn W F	R. L. Polk & Co.

1704 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Clarke Chas	R. L. Polk & Co.
1922	Clark Chas L	R. L. Polk & Co.

FINDINGS

1800 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1943	Mc Crory Fannie L Mrs	R. L. Polk & Co.
1931	Shaw Walter	R. L. Polk & Co.
1926	Vacant	R. L. Polk & Co.
1922	Kolker A F gro	R. L. Polk & Co.

1802 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1943	Howard Ella C Mrs	R. L. Polk & Co.
1931	Hall Eug	R. L. Polk & Co.
1926	Hall Eug	R. L. Polk & Co.
1922	Hall Eugene	R. L. Polk & Co.

1804 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	JAKE SNIDER SIGN CO	The Chesapeake Potomac Telephone Co
	SNIDER JAKE SIGN CO	The Chesapeake Potomac Telephone Co
	POTOMAC Potomac Neon Sign Co	The Chesapeake Potomac Telephone Co
1969	POTOMAC Potomac Neon Sign Co	C&P Telephone
	JAKE SNIDER SIGN CO	C&P Telephone

1806 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Vacant	R. L. Polk & Co.
1926	Nelson Dennis	R. L. Polk & Co.
1922	Nelson Dennis	R. L. Polk & Co.

1808 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Griggs Harry	R. L. Polk & Co.
1926	Glascoe Annie Mrs	R. L. Polk & Co.
1922	Mason Richd	R. L. Polk & Co.

1810 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Jackson Walter	R. L. Polk & Co.
1926	Carter Jos	R. L. Polk & Co.
1922	Hackley Bettie Mrs	R. L. Polk & Co.

FINDINGS

1812 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	UNITED EXPOSITION SERVICE CO	The Chesapeake Potomac Telephone Co
1969	UNITED CONVENTION SERVICE CO	C&P Telephone

1816 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	GOLDEN Golden R Services	The Chesapeake Potomac Telephone Co
	MARJACK COMPANY INC THE	The Chesapeake Potomac Telephone Co
1969	ZEP MANUFACTURING CO	C&P Telephone

1820 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	MARJACK COMPANNew York INC THE	C&P Telephone
1931	Shorter John	R. L. Polk & Co.
1926	Cook Geo H	R. L. Polk & Co.
1922	Cook Geo H	R. L. Polk & Co.

1821 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1943	Vacant	R. L. Polk & Co.
	Continues as Water	R. L. Polk & Co.
1931	Brown Louise	R. L. Polk & Co.
1926	Vacant	R. L. Polk & Co.
1922	Strother Annie Mrs	R. L. Polk & Co.

1822 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Vacant	R. L. Polk & Co.
1926	Hager Raymond	R. L. Polk & Co.
1922	Hager Raymond	R. L. Polk & Co.

1823 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Brown Saml	R. L. Polk & Co.
1926	Holter Carroll	R. L. Polk & Co.

1824 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	Harrison Textile Co	The Chesapeake Potomac Telephone Co
1978	HARRISON Harrison Textile Co	C&P Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	HARRISON Harrison Textile Co	The Chesapeake Potomac Telephone Co
1969	MULTRONICS Mulvey Jas A auto parts	C&P Telephone
	MULTRONICS Mulvey Frank J auto parts	C&P Telephone
	MULTRONICS Mulvey Wm A atty	C&P Telephone
	NATIONAL AUTO SERVICE CO INC	C&P Telephone
	HARRISON Harrison Textile Co	C&P Telephone

1825 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Agnew John H	R. L. Polk & Co.
1926	Small Carrie Mrs	R. L. Polk & Co.
1922	Jackson Julia Mrs	R. L. Polk & Co.

1900 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Williams Geo	R. L. Polk & Co.

1901 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Vacant	R. L. Polk & Co.
1922	Williams Geo coal	R. L. Polk & Co.

1916 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1922	Fugitt Isaac	R. L. Polk & Co.

1919 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Continues as Water	R. L. Polk & Co.
	Fugett Isaac	R. L. Polk & Co.
1926	Fugett Isaac	R. L. Polk & Co.
	Williams Geo	R. L. Polk & Co.

HALF ST SW

1800 HALF ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1940	Vacant	R. L. Polk & Co.
1936	Vacant	R. L. Polk & Co.

FINDINGS

1802 HALF ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1940	Vacant	R. L. Polk & Co.
	Vacant	R. L. Polk & Co.
1936	Broome Mamie Mrs nurse	R. L. Polk & Co.
	Mitchell Izie	R. L. Polk & Co.
	Brown Mabel J Mrs	R. L. Polk & Co.

1804 HALF ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	MASHACK FREDERICK IRON WORKS	Cole Information Services
2007	MASHACK FREDERICK IRON WORKS	Cole Information Services
2006	FREDERICK H	Haines Company, Inc.
	MASHACK	Haines Company, Inc.

1812 HALF ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	ALTA BICYCLE SHARE	Cole Information Services

1816 HALF ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	THE CRUCIBLE	Haines Company, Inc.

1821 HALF ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1940	Thomas Geo	R. L. Polk & Co.
	Continues as Water	R. L. Polk & Co.
1936	Continues as Water	R. L. Polk & Co.
	Davis Horace	R. L. Polk & Co.

1824 HALF ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	LOCKSMITH	Cole Information Services
	ZIEGFIELDS & SECRETS	Cole Information Services
	EMERGENCY LOCKSMITH 24 HOUR	Cole Information Services
2006	LIMECLUB	Haines Company, Inc.

1900 HALF ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	ATRIUM CAFE	Cole Information Services
	ANDERSON LOCKSMITH SERVICE	Cole Information Services

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	LOCKSMITH SERVICE	Cole Information Services
	ATRIUM CAFE	Cole Information Services
	ANDERSON LOCKSMITH SERVICE	Cole Information Services
	LOCKSMITH SERVICE	Cole Information Services
	ATRIUM CAFE	Cole Information Services
	ANDERSON LOCKSMITH SERVICE	Cole Information Services
	LOCKSMITH SERVICE	Cole Information Services
	2006	CONSTR CORP
JAMES G DAVIS		Haines Company, Inc.
JEMALS RIVERSIDE		Haines Company, Inc.
SES CORP		Haines Company, Inc.

POTOMAC/1ST

POTOMAC/1ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	POTOMAC/1ST	R. L. Polk & Co.
1960	POTOMAC/1ST	R. L. Polk & Co.

R SW

101 R SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	KOSSOW Koustenis Bill & Co Inc prod	The Chesapeake Potomac Telephone Co
	KOSSOW Koustenis Produce Co Inc	The Chesapeake Potomac Telephone Co
1969	KOSSOW Koustenis Bill & Co Inc prod	C&P Telephone
	KOSSOW Koustenis Produce Co Inc	C&P Telephone

107 R SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	HARTMAN Hartman Bros Inc food	C&P Telephone

115 R SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	CENTER MARKET PROVISION CO INC	The Chesapeake Potomac Telephone Co
1969	CENTER MARKET PROVISION CO INC	C&P Telephone

133 R SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	DAIRYLAND FOODS INC	C&P Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	RELIANCE Remco Sales	C&P Telephone

135 R SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	ROLAND FOODS INC meats	The Chesapeake Potomac Telephone Co
	GLASS Glass Roland foods	The Chesapeake Potomac Telephone Co
1969	GLASS Glass Roland foods	C&P Telephone
	ROLAND FOODS mts	C&P Telephone

137 R SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	GRAND Grande Valley Products Inc	C&P Telephone

R ST SW

101 R ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	SHIN SUNG SOUVENIR COMPANY WHOLESALE	Cole Information Services
2007	SHIN SUNG SOUVENIR CO	Cole Information Services
2006	TRADING COMPANY	Haines Company, Inc.
	SHINSUNG	Haines Company, Inc.
2000	SHIN SUNG SOUVENIRS	Haines & Company
1993	Shin Sung Trading Company I	The Chesapeake and Potomac Telephone Company of Virginia
1964	Koustenis Bill & Co Inc hotel sups	R. L. Polk & Co.

107 R ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	No Current Listing	Haines & Company
1993	Willson H Colby Jr	The Chesapeake and Potomac Telephone Company of Virginia
1978	HARTMAN Hartman Foods Inc	C&P Telephone
1973	HARTMAN BROS INC	The Chesapeake Potomac Telephone Co
	Hartman Foods Inc	The Chesapeake Potomac Telephone Co

111 R ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	111 17 Under construction	R. L. Polk & Co.

FINDINGS

115 R ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	GEORGETOWN FLOOR COVERING	Cole Information Services
	ALWAYS AFFECTIVE AVAILABLE EMERGENCY	Cole Information Services
2007	CENTER MARKET PROVISION CO INC	Cole Information Services
2006	CENTER MARKET PROVISION CO INC	Haines Company, Inc.
		Haines Company, Inc.
2000	CENTER MARKET PROVISION CO	Haines & Company
1993	Center Market Provision Co Inc	The Chesapeake and Potomac Telephone Company of Virginia
1983	Center Market Provision Co Inc	The Chesapeake Potomac Telephone Co
1978	CENTER Center Market Provision Co Inc	C&P Telephone
1964	Tex Beef & Provision Co whol	R. L. Polk & Co.

117 R ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	111 17 Under construction	R. L. Polk & Co.

123 R ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	MULTI LOCKSMITH	Cole Information Services

131 R ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2007	CENTURY 21	Cole Information Services
2006	CONTRACTORS INC	Haines Company, Inc.
	ITALO	Haines Company, Inc.
2000	ALL METROPOLITAN AREA SERVICES	Haines & Company
	MADIGAN William	Haines & Company
1983	VIENNA BEEF MANUFACTURING CO regional sales ofc	The Chesapeake Potomac Telephone Co
1964	June Dairy Products Co Inc whol	R. L. Polk & Co.
1960	Under construction	R. L. Polk & Co.

133 R ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	No Current Listing	Haines & Company
1964	Dairyland Foods Inc whol	R. L. Polk & Co.
1960	Dairyland Foods Inc whol	R. L. Polk & Co.

FINDINGS

135 R ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2007	LYON BAKERY INC	Cole Information Services
2006	LYON BAKERY INC	Haines Company, Inc.
2000	No Current Listing	Haines & Company
1993	Badge Mate	The Chesapeake and Potomac Telephone Company of Virginia
1983	ROLAND FOODS INC meats	The Chesapeake Potomac Telephone Co
	Glass Roland foods	The Chesapeake Potomac Telephone Co
1978	GLASS Glass Roland foods	C&P Telephone
	ROLAND FOODS INC meats	C&P Telephone
1964	Roland Foods Inc	R. L. Polk & Co.
1960	Furr Bros Poultry Co Inc whol	R. L. Polk & Co.

137 R ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LEOTERRA LLC	Haines Company, Inc.
1964	Grande Valley Products Inc dairy products whol	R. L. Polk & Co.
1960	Grande Valley Products Inc dairy products whol	R. L. Polk & Co.

R/HALF

R/HALF

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	R/HALF	R. L. Polk & Co.
1960	R/HALF	R. L. Polk & Co.

S ST SW

100 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Stephens Alice	R. L. Polk & Co.

102 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Williams Clarence	R. L. Polk & Co.

103 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	KONATE Alassane	The Chesapeake and Potomac Telephone Company of Virginia

FINDINGS

104 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Wells Shelton	R. L. Polk & Co.

105 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Bldg NCHA ofe	R. L. Polk & Co.
	Syphax Communtty	R. L. Polk & Co.

106 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Phillips Oscar	R. L. Polk & Co.

108 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Henderson Chas	R. L. Polk & Co.

110 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Witlserall Hattle	R. L. Polk & Co.

112 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Williamison John	R. L. Polk & Co.

114 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Adams Leonard	R. L. Polk & Co.

116 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Woodard Jos	R. L. Polk & Co.

117 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Butler Calvin	R. L. Polk & Co.

118 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Smith Johnnie W	R. L. Polk & Co.

FINDINGS

119 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Fortune Amos	R. L. Polk & Co.

121 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Conley Robt	R. L. Polk & Co.

123 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Vacant	R. L. Polk & Co.

125 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Nelson Jos	R. L. Polk & Co.

36 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Cunningham Jas W	R. L. Polk & Co.

38 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Ruchard Charile	R. L. Polk & Co.

40 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Holmes Clifford	R. L. Polk & Co.

41 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Briscoe Lewis	R. L. Polk & Co.

42 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Logan Christine	R. L. Polk & Co.

43 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Evans Samil	R. L. Polk & Co.

44 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Lester Walter	R. L. Polk & Co.

FINDINGS

45 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Harley Raymond	R. L. Polk & Co.

46 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Dunston Mary	R. L. Polk & Co.

47 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Gilmore Andrew	R. L. Polk & Co.

48 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Hall Bernard A	R. L. Polk & Co.

49 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Bennette Harry	R. L. Polk & Co.

50 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Thomas Lee	R. L. Polk & Co.

51 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Danner Marv Mrs	R. L. Polk & Co.

52 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Biggers Will	R. L. Polk & Co.

53 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Weaver Aileen	R. L. Polk & Co.

54 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Hood Olyus	R. L. Polk & Co.

55 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Jackson Wm	R. L. Polk & Co.

FINDINGS

56 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Reid Clarence	R. L. Polk & Co.

57 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Comedy Paul	R. L. Polk & Co.

58 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Sanford Willie	R. L. Polk & Co.

59 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Hakett Louise Mrs	R. L. Polk & Co.

60 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Robertson Azalie Mr	R. L. Polk & Co.

61 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Plummer Clara	R. L. Polk & Co.

62 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Grant Helen W	R. L. Polk & Co.

63 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Bells Hope	R. L. Polk & Co.

64 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Addison Wm	R. L. Polk & Co.

65 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Turner Edw	R. L. Polk & Co.

66 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Yarber Marvin	R. L. Polk & Co.

FINDINGS

67 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Holmes Ruby Mrs	R. L. Polk & Co.

68 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Cooper John	R. L. Polk & Co.

69 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Allen Margueritta	R. L. Polk & Co.

70 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Pliefer Vernon	R. L. Polk & Co.

71 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Washington Ernest	R. L. Polk & Co.

72 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Overton Herman	R. L. Polk & Co.

73 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Peppers Ellison V	R. L. Polk & Co.

74 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Hollis Wm	R. L. Polk & Co.

75 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Taylor Wody	R. L. Polk & Co.

76 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Dixon Darius	R. L. Polk & Co.

78 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Jenkins Perry	R. L. Polk & Co.

FINDINGS

80 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Wilson Pearl	R. L. Polk & Co.

82 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Anderson Robt	R. L. Polk & Co.

84 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Smith Annie	R. L. Polk & Co.

86 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Hawkins Thos	R. L. Polk & Co.

88 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Payne Adelaide F Mrs	R. L. Polk & Co.

90 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Craven Ernest	R. L. Polk & Co.

92 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Crawford Margt	R. L. Polk & Co.

94 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Davis Pierce	R. L. Polk & Co.

96 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Cole Aura	R. L. Polk & Co.

98 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Wells Thos	R. L. Polk & Co.

FINDINGS

S/HALF

S/HALF

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	S/HALF	R. L. Polk & Co.
1960	S/HALF	R. L. Polk & Co.
1948	S/HALF	R. L. Polk & Co.

T SW

135 T SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	T STREET HILL SE Hillsdale From Sheridan Road	R. L. Polk & Co.
	Hunt Henry	R. L. Polk & Co.

49 T SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1943	Day Wm H	R. L. Polk & Co.
1931	Day Wm H	R. L. Polk & Co.
1926	Day Bousi	R. L. Polk & Co.

T ST SW

101 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Hall Granville	R. L. Polk & Co.

103 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Hooker Meansie	R. L. Polk & Co.

105 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Hammond Benj	R. L. Polk & Co.

107 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Gauhn Wm	R. L. Polk & Co.

FINDINGS

109 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Tucker Ronce	R. L. Polk & Co.

111 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Lewis Jessie	R. L. Polk & Co.

113 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Boyd Elsie T	R. L. Polk & Co.

115 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Willis Laurence	R. L. Polk & Co.

117 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Johnson Chas J	R. L. Polk & Co.

119 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Mercer Maude	R. L. Polk & Co.

121 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Thomas Clayton	R. L. Polk & Co.

123 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Campbell Jos	R. L. Polk & Co.

125 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Jacob Wm	R. L. Polk & Co.

127 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Jackson Isabel	R. L. Polk & Co.

129 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Jackson Warren	R. L. Polk & Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Scott Wm	R. L. Polk & Co.

49 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	Vacant	R. L. Polk & Co.
1948	Tropical Oils Co veg oils	R. L. Polk & Co. R. L. Polk & Co.
1940	Day Wm H	R. L. Polk & Co.
1936	Day Wm H	R. L. Polk & Co.

T/HALF

T/HALF

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	T/HALF	R. L. Polk & Co.
1960	T/HALF	R. L. Polk & Co.

T/WATER

T/WATER

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	T/WATER	R. L. Polk & Co.
1960	T/WATER	R. L. Polk & Co.

WATER ST SW

50 WATER ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	DUCKETT William H Jr	The Chesapeake and Potomac Telephone Company of Virginia

WATER/T

WATER/T

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	WATER/T	R. L. Polk & Co.
1948	WATER/T	R. L. Polk & Co.

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched

S Street SW/1st Street SW

Address Not Identified in Research Source

2000, 1993, 1983, 1978, 1973, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched

1ST/POTOMAC AV

1ST/R

1ST/S

1ST/T

2ND/R

2ND/S

2ND/T

POTOMAC/1ST

R/HALF

S/HALF

T/HALF

T/WATER

WATER/T

100 S ST SW

101 R SW

101 R ST SW

101 R ST SW

Address Not Identified in Research Source

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1960, 1948, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1960, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1960, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1960, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1960, 1948, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1960, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1960, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 1983, 1978, 1973, 1969, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922

2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922

FINDINGS

Address Researched

Address Not Identified in Research Source

117 R ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
117 S ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
117 T ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
118 S ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
119 S ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
119 T ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
121 S ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
121 T ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
123 R ST SW	2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
123 S ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
123 T ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
125 S ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
125 T ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
127 T ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
129 T ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
131 R ST SW	2012, 2007, 1993, 1978, 1973, 1969, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
131 R ST SW	2012, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
133 R SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
133 R ST SW	2012, 2007, 2006, 1993, 1983, 1978, 1973, 1969, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
135 R SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
135 R ST SW	2012, 2007, 1973, 1969, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
135 R ST SW	2012, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
135 T SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1922
137 R SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922

FINDINGS

Address Researched

Address Not Identified in Research Source

1742 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1800 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1800 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1940, 1936
1800 HALF ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1931, 1926, 1922
1802 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1802 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1940, 1936
1802 HALF ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1931, 1926, 1922
1804 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1804 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
1804 HALF ST SW	2012, 2007, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
1804 HALF ST SW	2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
1805 1ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1940, 1936
1805 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1931, 1926, 1922
1806 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1806 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936
1808 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936
1810 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1810 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936
1812 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1812 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
1812 HALF ST SW	2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
1814 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1816 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1816 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922

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Address Researched

1816 HALF ST SW

1817 1ST SW

1817 1ST ST SW

1818 1ST ST SW

1820 1ST ST SW

1820 HALF SW

1821 1ST SW

1821 1ST ST SW

1821 HALF SW

1821 HALF ST SW

1822 1ST ST SW

1822 HALF SW

1823 HALF SW

1824 1ST ST SW

1824 HALF SW

1824 HALF ST SW

1824 HALF ST SW

1825 1ST ST SW

1825 HALF SW

1826 1ST ST SW

1828 1ST ST SW

1830 1ST ST SW

1832 1ST ST SW

1834 1ST ST SW

Address Not Identified in Research Source

2012, 2007, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1964, 1960, 1954, 1948, 1943, 1940, 1936

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1940, 1936

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1931, 1926, 1922

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2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

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Address Researched

Address Not Identified in Research Source

1836 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1838 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1840 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1842 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1844 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1846 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1848 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1850 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1900 2ND SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926
1900 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1922
1900 HALF ST SW	2012, 2007, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
1900 HALF ST SW	2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
1901 1ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931
1901 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1931, 1926, 1922
1901 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1926
1904 2ND SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1922
1905 2ND ST SW	2012, 2007, 2006, 2000, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
1912 1 STH 2 SW	2012, 2007, 2006, 2000, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
1912 2ND SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931
1916 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926
1919 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1922
1927 1ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936
1927 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1931, 1926, 1922
1929 1ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936

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Address Researched

84 S ST SW

86 S ST SW

88 S ST SW

90 S ST SW

92 S ST SW

94 S ST SW

96 S ST SW

98 S ST SW

Address Not Identified in Research Source

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

APPENDIX D

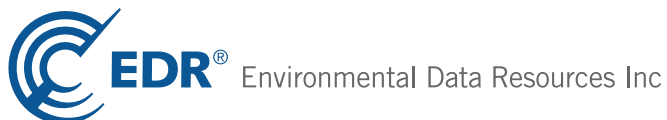
**Regulatory Records Documentation
(on CD)**

Buzzard Point

S Street SW/1st Street SW
Washington, DC 20024

Inquiry Number: 03660997.2r
July 10, 2013

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

S STREET SW/1ST STREET SW
WASHINGTON, DC 20024

COORDINATES

Latitude (North): 38.8683000 - 38° 52' 5.88"
Longitude (West): 77.0121000 - 77° 0' 43.56"
Universal Transverse Mercator: Zone 18
UTM X (Meters): 325434.0
UTM Y (Meters): 4303878.0
Elevation: 21 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 38077-G1 ALEXANDRIA, VA DC MD
Most Recent Revision: 1994

North Map: 38077-H1 WASHINGTON WEST, DC MD VA
Most Recent Revision: 1983

Northeast Map: 38076-H8 WASHINGTON EAST, DC MD
Most Recent Revision: 1982

East Map: 38076-G8 ANACOSTIA, DC MD
Most Recent Revision: 1982

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 2011, 2012
Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal institutional controls / engineering controls registries

US INST CONTROL..... Sites with Institutional Controls
LUCIS..... Land Use Control Information System

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

DC SHWS..... This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State and tribal landfill and/or solid waste disposal site lists

DC SWF/LF..... Solid Waste Facility Listing

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs

US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

Other Ascertainable Records

DOT OPS..... Incident and Accident Data

CONSENT..... Superfund (CERCLA) Consent Decrees

UMTRA..... Uranium Mill Tailings Sites

US MINES..... Mines Master Index File

TRIS..... Toxic Chemical Release Inventory System

TSCA..... Toxic Substances Control Act

FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

SSTS..... Section 7 Tracking Systems

ICIS..... Integrated Compliance Information System

PADS..... PCB Activity Database System

MLTS..... Material Licensing Tracking System

RADINFO..... Radiation Information Database

RMP..... Risk Management Plans

INDIAN RESERV..... Indian Reservations

SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing

US AIRS..... Aerometric Information Retrieval System Facility Subsystem

PRP..... Potentially Responsible Parties

EPA WATCH LIST..... EPA WATCH LIST

US FIN ASSUR..... Financial Assurance Information

PCB TRANSFORMER..... PCB Transformer Registration Database

COAL ASH DOE..... Steam-Electric Plant Operation Data

COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List

LEAD SMELTERS..... Lead Smelter Sites

2020 COR ACTION..... 2020 Corrective Action Program List

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 04/26/2013 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>WASHINGTON NAVY YARD</i>	<i>1013 O STREET SE</i>	<i>ENE 1/2 - 1 (0.639 mi.)</i>	<i>0</i>	<i>7</i>

Federal CERCLIS list

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 02/04/2013 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>FORT MCNAIR</i>	<i>350 P STREET SW</i>	<i>NW 1/8 - 1/4 (0.202 mi.)</i>	<i>P81</i>	<i>203</i>

EXECUTIVE SUMMARY

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 02/05/2013 has revealed that there are 3 CERC-NFRAP sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WARRING, JAMES T SONS INC	1321 S CAPITOL ST SW	NNE 1/4 - 1/2 (0.256 mi.)	S93	229

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WASHINGTON D.C. SEWER MYSTERY	150 O STREET	NE 1/4 - 1/2 (0.329 mi.)	T96	231
NAVAL SUPPORT FACILITY ANACOST	2701 SOUTH CAPITOL STRE	SSW 1/4 - 1/2 (0.390 mi.)	100	233

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 02/12/2013 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WASHINGTON NAVY YARD	1013 O STREET SE	ENE 1/2 - 1 (0.639 mi.)	0	7

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 02/12/2013 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
US COAST GUARD HSC-K	2100 SECOND STREET SW	SSW 1/8 - 1/4 (0.169 mi.)	N70	191
FORT MCNAIR	350 P STREET SW	NW 1/8 - 1/4 (0.202 mi.)	P81	203

EXECUTIVE SUMMARY

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 02/12/2013 has revealed that there are 9 RCRA-CESQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SUPER SALVAGE INC	1711 FIRST STREET SW	0 - 1/8 (0.000 mi.)	C12	65
USA MOTORS INC	45 Q STREET SW	NNE 0 - 1/8 (0.032 mi.)	D15	69
GOLD STAR SERVICES	39 Q STREET SW	NE 0 - 1/8 (0.047 mi.)	D20	92
SINGH TRANSMISSION C/O AUTOMOT	1505 SOUTH CAPITOL STRE	NNE 1/8 - 1/4 (0.126 mi.)	J51	160
NATIONALS PARK	1500 SOUTH CAPITOL STRE	NE 1/8 - 1/4 (0.163 mi.)	L61	181
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AUTO WARD INC.	129 Q STREET SW	NNW 0 - 1/8 (0.069 mi.)	F22	105
PAK-AMERICAN CORPORATION	1625 SOUTH CAPITOL STRE	ENE 0 - 1/8 (0.073 mi.)	G33	138
PEPCO BUZZARD POINT GENERATING	1ST & V STREETS SW	S 0 - 1/8 (0.077 mi.)	I34	143
PEPCO BUZZARD PT GENERATING ST	1ST V STS SW	S 0 - 1/8 (0.077 mi.)	I35	145

State and tribal leaking storage tank lists

DC LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Consumer and Regulatory Affairs' District of Columbia LUST Cases list.

A review of the DC LUST list, as provided by EDR, and dated 04/10/2013 has revealed that there are 33 DC LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HOME MOVING & STORAGE	1812 HALF ST., SW	0 - 1/8 (0.000 mi.)	B5	63
SUPER SALVAGE, INC.	1711 1ST STREET., SW	0 - 1/8 (0.000 mi.)	C9	64
METRO BUILDING SUPPLY	50 Q STREET, SW	NNE 0 - 1/8 (0.027 mi.)	D13	68
OPPORTUNITY CONCRETE CORP	1601 S CAPITOL ST SW	NE 0 - 1/8 (0.073 mi.)	H30	135
STEUART INVESTMENT CO.	1724 S. CAPITOL ST, SE	NE 0 - 1/8 (0.094 mi.)	H41	153
Not reported	1620 SOUTH CAPITOL ST S	NE 0 - 1/8 (0.108 mi.)	J45	154
LAUNDROMAT	1530 1ST ST SW	N 0 - 1/8 (0.117 mi.)	K49	159
WASHINGTON REAL ESTATE INVESTM	1501 SOUTH CAPITOL STRE	NNE 1/8 - 1/4 (0.127 mi.)	J54	176
POTOMAC CAB COMPANY	1345 S CAPITOL ST SW	NNE 1/8 - 1/4 (0.235 mi.)	Q86	222
WEBER'S WHITE TRUCKS,INC.	1331 HALF ST SE	NNE 1/4 - 1/2 (0.359 mi.)	97	232
AMOCO	1244 SOUTH CAPITAL ST.	NNE 1/4 - 1/2 (0.371 mi.)	U98	233
PUBLIC STORAGE, INC.	1230 SOUTH CAPITOL ST.,	NNE 1/4 - 1/2 (0.393 mi.)	U101	253
PUBLIC STORAGE	1230 SOUTH CAPITOL STRE	NNE 1/4 - 1/2 (0.393 mi.)	U102	253
17 M ST. LLC/WMATA	17 M STREET, SE	NNE 1/4 - 1/2 (0.429 mi.)	V103	253
LERNER ENTERPRISES	20 M STREET, SE	NNE 1/4 - 1/2 (0.439 mi.)	V106	255
MONUMENT REALTY	55 M STREET	NNE 1/4 - 1/2 (0.451 mi.)	W109	257
SUNOCO	50 M STREET, SE	NNE 1/4 - 1/2 (0.456 mi.)	W110	257
80 M TRACKS LTD PARTNERS	80 M STREET, SE	NNE 1/4 - 1/2 (0.483 mi.)	W111	257
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PEPCO BUZZARD - TANK # 1	180 S STREET, SW	0 - 1/8 (0.000 mi.)	A2	62

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AT&T - 1714 2ND ST SW	1714 2ND STREET, SW	0 - 1/8 (0.000 mi.)	A4	63
WESTWOOD MANAGEMENT CORPORATION	900 HALF ST SW	SE 0 - 1/8 (0.037 mi.)	E18	91
STEUART PETROLEUM	1721 S. CAPITOL STREET,	ENE 0 - 1/8 (0.072 mi.)	G25	130
625 SOUTH CAPITOL STREET LLC	1625 SOUTH CAPITOL STRE	NE 0 - 1/8 (0.073 mi.)	H32	138
PEPCO - BUZZARD POINT	33 V STREET, SW	S 0 - 1/8 (0.077 mi.)	I37	149
NPS - JAMES CREEK MARINA	200 V STREET, SW	SSW 1/8 - 1/4 (0.168 mi.)	N68	190
DC MATERIALS CO./ FLORIDA ROCK	25 POTOMAC AVE, SE	NE 1/8 - 1/4 (0.173 mi.)	O71	195
VIRGINIA PAVING	60 P STREET, SE	NE 1/8 - 1/4 (0.193 mi.)	R79	202
DC SPORTS COMMISSION	60-80 O STREET, SE	NE 1/4 - 1/2 (0.306 mi.)	T94	230
DC DPW FLEET MANAGEMENT	125 O STREET, SE	NE 1/4 - 1/2 (0.325 mi.)	T95	231
BOWEN ELEMENTARY SCHOOL	101 M ST SW	N 1/4 - 1/2 (0.436 mi.)	104	254
ADMIRAL LIMOUSINE COMPANY	1245 1ST ST SE	NNE 1/4 - 1/2 (0.439 mi.)	105	254
GREENLEAF SENIOR GARDENS	1200 DELAWARE AV SW	N 1/4 - 1/2 (0.450 mi.)	108	256
21 L, LLC	21 L STREET, SW	N 1/4 - 1/2 (0.494 mi.)	112	258

State and tribal registered storage tank lists

DC UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Consumer & Regulatory Affairs' D.C. UST Database List.

A review of the DC UST list, as provided by EDR, and dated 04/10/2013 has revealed that there are 27 DC UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BORGER MANAGEMENT, INC.	1812 HALF ST SW	0 - 1/8 (0.000 mi.)	B6	63
SUPER SALVAGE INC.	1711 1ST ST SW	0 - 1/8 (0.000 mi.)	C10	65
METRO BUILDING SUPPLY CO.	50 Q ST SW	NNE 0 - 1/8 (0.027 mi.)	D14	68
OPPORTUNITY CONCRETE GARAGE.	1601 S CAPITOL ST SW	NE 0 - 1/8 (0.073 mi.)	H29	134
FEDDERLINE.	1724 S CAPITOL ST SW	NE 0 - 1/8 (0.094 mi.)	H38	150
AMERADA HESS CORP.	1620 S CAPITOL ST SE	NE 0 - 1/8 (0.108 mi.)	J47	157
LAUNDROMAT	1530 1ST ST SW	N 0 - 1/8 (0.117 mi.)	K49	159
FIVE SAC SELF-STORAGE	1501 S CAPITOL ST SW10	NNE 1/8 - 1/4 (0.127 mi.)	J55	177
ANACOSTIA READY MIX PLANT	1522 S CAPITOL ST SE	NE 1/8 - 1/4 (0.130 mi.)	J57	180
BASEBALL STADIUM	1500 SOUTH CAPITOL ST S	NE 1/8 - 1/4 (0.163 mi.)	L62	182
DC PUBLIC SCHOOL SYSTEM	50 O ST SW	N 1/8 - 1/4 (0.189 mi.)	75	197
SYPHAX SCHOOL	1360 HALF ST SW	NNE 1/8 - 1/4 (0.228 mi.)	83	218
BOB SEGALL	1354 SOUTH CAPITOL ST S	NNE 1/8 - 1/4 (0.235 mi.)	Q84	219
POTOMAC CAB COMPANY	1345 S CAPITOL ST SW	NNE 1/8 - 1/4 (0.235 mi.)	Q86	222

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ATTIS	1714 2ND ST SW	0 - 1/8 (0.000 mi.)	A3	62
PEPCO	1ST & T ST SW	0 - 1/8 (0.000 mi.)	7	64
WESTWOOD MANAGEMENT CORPORATION	900 HALF ST SW	SE 0 - 1/8 (0.037 mi.)	E18	91
CABCO INC.	129 Q ST SW	NNW 0 - 1/8 (0.069 mi.)	F23	130
STEUART PETROLEUM COMPANY.	1721 S CAPITOL ST SW	ENE 0 - 1/8 (0.072 mi.)	G26	131
GOOSE BAY AGGREGATE, INC.	2 S ST SW	E 0 - 1/8 (0.073 mi.)	28	133
SOLOM AUTOMATED SERVICES	1625 S CAPITOL ST SW	NE 0 - 1/8 (0.073 mi.)	H31	138
PEPCO BUZZARD PT GENERATING ST	1ST V STS SW	S 0 - 1/8 (0.077 mi.)	I35	145
BUZZARD POINT FACILITY	180 S ST SW	S 0 - 1/8 (0.077 mi.)	I36	149
JAMES CREEK MARINA	200 V ST SW	SSW 1/8 - 1/4 (0.168 mi.)	N69	191
D.C. MATERIALS CO.	25 POTOMAC AV SE	NE 1/8 - 1/4 (0.173 mi.)	O72	195

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORMER DISTRICT PAVING - ASPHA	60 P ST SE	NE 1/8 - 1/4 (0.193 mi.)	R77	198
CHANNEL SQUARE APARTMENTS	325 P ST SW	NW 1/8 - 1/4 (0.238 mi.)	87	223

DC AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Consumer & Regulatory Affairs' D.C. AST Database List.

A review of the DC AST list, as provided by EDR, and dated 04/10/2013 has revealed that there is 1 DC AST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
JONES TRANSPORTATION	1342 S CAPITOL ST SE	NNE 1/8 - 1/4 (0.239 mi.)	Q89	227

State and tribal voluntary cleanup sites

DC VCP: The Voluntary Cleanup Program oversees owner or developer initiated voluntary remediation of contaminated lands and buildings that return actual or potentially contaminated properties to productive uses.

A review of the DC VCP list, as provided by EDR, and dated 01/09/2013 has revealed that there is 1 DC VCP site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DC SPORT & ENTERTAINMENT COM	1500 S. CAPITAL ST. S.E	NE 1/8 - 1/4 (0.163 mi.)	L63	184

State and tribal Brownfields sites

DC BROWNFIELDS: A listing of potential brownfields site locations.

A review of the DC BROWNFIELDS list, as provided by EDR, and dated 11/20/2012 has revealed that there are 13 DC BROWNFIELDS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	1824 HALF STREET, SW	0 - 1/8 (0.000 mi.)	B8	64
Not reported	1700 1ST STREET, SW	0 - 1/8 (0.000 mi.)	C11	65
Not reported	1724 SOUTH CAPITOL ST S	NE 0 - 1/8 (0.094 mi.)	H39	152
Not reported	1620 SOUTH CAPITOL ST S	NE 0 - 1/8 (0.108 mi.)	J45	154
Not reported	1236 SOUTH CAPITOL STRE	NNE 1/4 - 1/2 (0.387 mi.)	U99	233
PUBLIC STORAGE	1230 SOUTH CAPITOL STRE	NNE 1/4 - 1/2 (0.393 mi.)	U102	253
Not reported	0020 M STREET, SE	NNE 1/4 - 1/2 (0.439 mi.)	V107	256

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	100 S STREET, SW	0 - 1/8 (0.000 mi.)	1	61
PEPCO BUZZARD - TANK # 1	180 S STREET, SW	0 - 1/8 (0.000 mi.)	A2	62
AT&T - 1714 2ND ST SW	1714 2ND STREET, SW	0 - 1/8 (0.000 mi.)	A4	63
Not reported	1900 HALF STREET, SW	SE 0 - 1/8 (0.037 mi.)	E17	91
Not reported	100 V STREET, SW	S 1/8 - 1/4 (0.168 mi.)	M66	190
Not reported	0200 V STREET, SW	SSW 1/8 - 1/4 (0.168 mi.)	N67	190

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

DC HIST UST: During the process of the database upgrade, all facilities that the UST Program was unable to confirm their existence were removed from the working revelation UST Database before the conversion and put into an excel spreadsheet. These facilities became known as "Project Unknown". This listing is not current and has been not updated.

A review of the DC HIST UST list, as provided by EDR, and dated 12/31/1999 has revealed that there are 7 DC HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
UNKNOWN	1620 1ST ST SW	N 0 - 1/8 (0.040 mi.)	F19	92
UNKNOWN	1615 1ST ST SW	N 0 - 1/8 (0.049 mi.)	F21	105
UNKNOWN	1513 HALF ST SW	NNE 0 - 1/8 (0.104 mi.)	43	154
LANSBURGH BROTHERS	10 P ST SW	NNE 1/8 - 1/4 (0.127 mi.)	L53	176
UNKNOWN	1400 S CAPITOL ST SE	NNE 1/8 - 1/4 (0.192 mi.)	Q76	197
UNKNOWN	1334 S CAPITOL ST SE	NNE 1/8 - 1/4 (0.241 mi.)	S91	227
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
UNKNOWN	321 P ST SW	NW 1/8 - 1/4 (0.187 mi.)	P74	197

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 02/12/2013 has revealed that there are 10 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OPPORTUNITY CONCRETE CORP	1601 S CAPITOL ST SW	NE 0 - 1/8 (0.073 mi.)	H30	135
AMERADA HESS CORP	1620 SOUTH CAPITOL STRE	NE 0 - 1/8 (0.108 mi.)	J46	155
G S A CENTRAL SUPPORT FIELD OF	10 P STREET SW	NNE 1/8 - 1/4 (0.127 mi.)	L52	173
SERCO MANAGEMENT SERVICES	1501 SOUTH CAPITOL ST S	NNE 1/8 - 1/4 (0.130 mi.)	J56	177
1430 P STREET WAREHOUSE	1430 SOUTH CAPITOL STRE	NNE 1/8 - 1/4 (0.178 mi.)	L73	195
CUSTOM TOWING & AUTO REPAIR	1345 SOUTH CAPITOL STRE	NNE 1/8 - 1/4 (0.235 mi.)	Q85	219
JONES TRANSPORTATION CO	1342 SOUTH CAPITOL STRE	NNE 1/8 - 1/4 (0.239 mi.)	Q88	223
WARRING, JAMES T SONS INC	1330 S CAPITOL ST SE	NNE 1/8 - 1/4 (0.242 mi.)	S92	228
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
STEUART PETRO CO SO CAPITOL TE	1721 S CAPITOL ST NW	ENE 0 - 1/8 (0.072 mi.)	G27	131
DISTRICT PAVING CORPORATION	60 P STREET SE	NE 1/8 - 1/4 (0.193 mi.)	R78	200

EXECUTIVE SUMMARY

DOD: Consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NAVAL STATION ANACOSTIA		0 - 1/8 (0.000 mi.)	0	7

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 12/31/2011 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WASHINGTON NAVY YARD		NE 1/2 - 1 (0.646 mi.)	113	258

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 12/18/2012 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WASHINGTON NAVY YARD	1013 O STREET SE	ENE 1/2 - 1 (0.639 mi.)	0	7

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, has revealed that there are 5 NJ MANIFEST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
USA MOTORS INC	45 Q STREET SW	NNE 0 - 1/8 (0.032 mi.)	D15	69
GOLD STAR SERVICES	39 Q STREET SW	NE 0 - 1/8 (0.047 mi.)	D20	92
SINGH TRANSMISSION C/O AUTOMOT	1505 SOUTH CAPITOL STRE	NNE 1/8 - 1/4 (0.126 mi.)	J51	160
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AUTO WARD INC.	129 Q STREET SW	NNW 0 - 1/8 (0.069 mi.)	F22	105
PAK-AMERICAN CORPORATION	1625 SOUTH CAPITOL STRE	ENE 0 - 1/8 (0.073 mi.)	G33	138

PA MANIFEST: Hazardous waste manifest information.

A review of the PA MANIFEST list, as provided by EDR, has revealed that there are 2 PA MANIFEST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
US COAST GUARD HSC-K	2100 SECOND STREET SW	SSW 1/8 - 1/4 (0.169 mi.)	N70	191
FORT MCNAIR	350 P STREET SW	NW 1/8 - 1/4 (0.202 mi.)	P81	203

EXECUTIVE SUMMARY

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, has revealed that there are 2 NY MANIFEST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
POTOMAC ELECT POWER CO/BUZZARD	1ST & V ST/SW	S 1/8 - 1/4 (0.167 mi.)	M64	184
FORT MCNAIR	350 P STREET SW	NW 1/8 - 1/4 (0.202 mi.)	P81	203

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 9 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	45 Q ST SW	NNE 0 - 1/8 (0.032 mi.)	D16	90
GULF OIL CORP (BULK PLANT)	1724 S CAPITOL ST SE	NE 0 - 1/8 (0.094 mi.)	H40	152
Not reported	1505 S CAPITOL ST SW	NE 0 - 1/8 (0.094 mi.)	J42	153
TRANSMISSION S INC	1509 SOUTH CAPITOL TER	NNE 0 - 1/8 (0.123 mi.)	J50	159
BRIDGEWAY MOTORS	1343-45 S CAPITOL ST SE	NNE 1/8 - 1/4 (0.151 mi.)	L59	180
CAMPBELL S GARAGE	1327 S CAPITOL ST SE	NNE 1/8 - 1/4 (0.167 mi.)	L65	189
Not reported	1345 S CAPITOL ST SW	NNE 1/8 - 1/4 (0.221 mi.)	Q82	218
Not reported	1342 S CAPITOL ST SE	NNE 1/8 - 1/4 (0.239 mi.)	Q90	227
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	129 Q ST SW	NNW 0 - 1/8 (0.069 mi.)	F24	130

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 5 EDR US

EXECUTIVE SUMMARY

Hist Cleaners sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	1546 1ST ST SW	N 0 - 1/8 (0.104 mi.)	K44	154
ASSOCIATED LAUNDRIES	1507 S CAPITOL ST SE	NE 0 - 1/8 (0.112 mi.)	J48	159
HOWARD S ODORIESS CLEANERS (PL	1347 S CAPITOL ST SE	NNE 1/8 - 1/4 (0.147 mi.)	L58	180
HOWARD S ODORLESS CLEANERS	1343 S CAPITOL ST SE	NNE 1/8 - 1/4 (0.151 mi.)	L60	181
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SMITH THEO N	234 3RD AVE SW	NW 1/8 - 1/4 (0.194 mi.)	80	203

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

<u>Site Name</u>	<u>Database(s)</u>
MSP AVIATION DIV. WASHINGTON	HIST UST
ANACOSTIA DRUM SITE	CERCLIS-NFRAP
CUSTIS & BROWN BARGE SPILL	CERCLIS-NFRAP
LAUNDROMAT OF BONG YEE	LUST
DELWIN APARTMENTS	LUST
FT. MCNAIR, BLDG #37, TANK #5	LUST
SQUARE 669 LTD	LUST
PEPCO	LUST
ROADSIDE DEVELOPMENT, INC.	LUST
PEPCO	AST
WASHINGTON D C DEPT OF PUBLIC WORK	RCRA-NLR,MANIFEST
FEDERAL OFFICE BUILDING 8 (FOB 8)	RCRA-NLR
LECKIE ELEMENTARY SCHOOL	RCRA-NLR
KRAMER JUNIOR HIGH SCHOOL (PUBLIC	RCRA-CESQG
EASTERN SENIOR HIGH SCHOOL (PUBLIC	RCRA-CESQG
BUZZARD POINT GENERATING STATION	FINDS
BUZZARD POINT FACILITY	FINDS
NATIONAL PARK SERVICE - EAST POTOM	FINDS
I & R TRANSMISSION	MANIFEST
THURGOOD MARSHALL ACADEMY	MANIFEST

OVERVIEW MAP - 03660997.2r



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

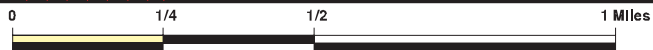
County Boundary

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

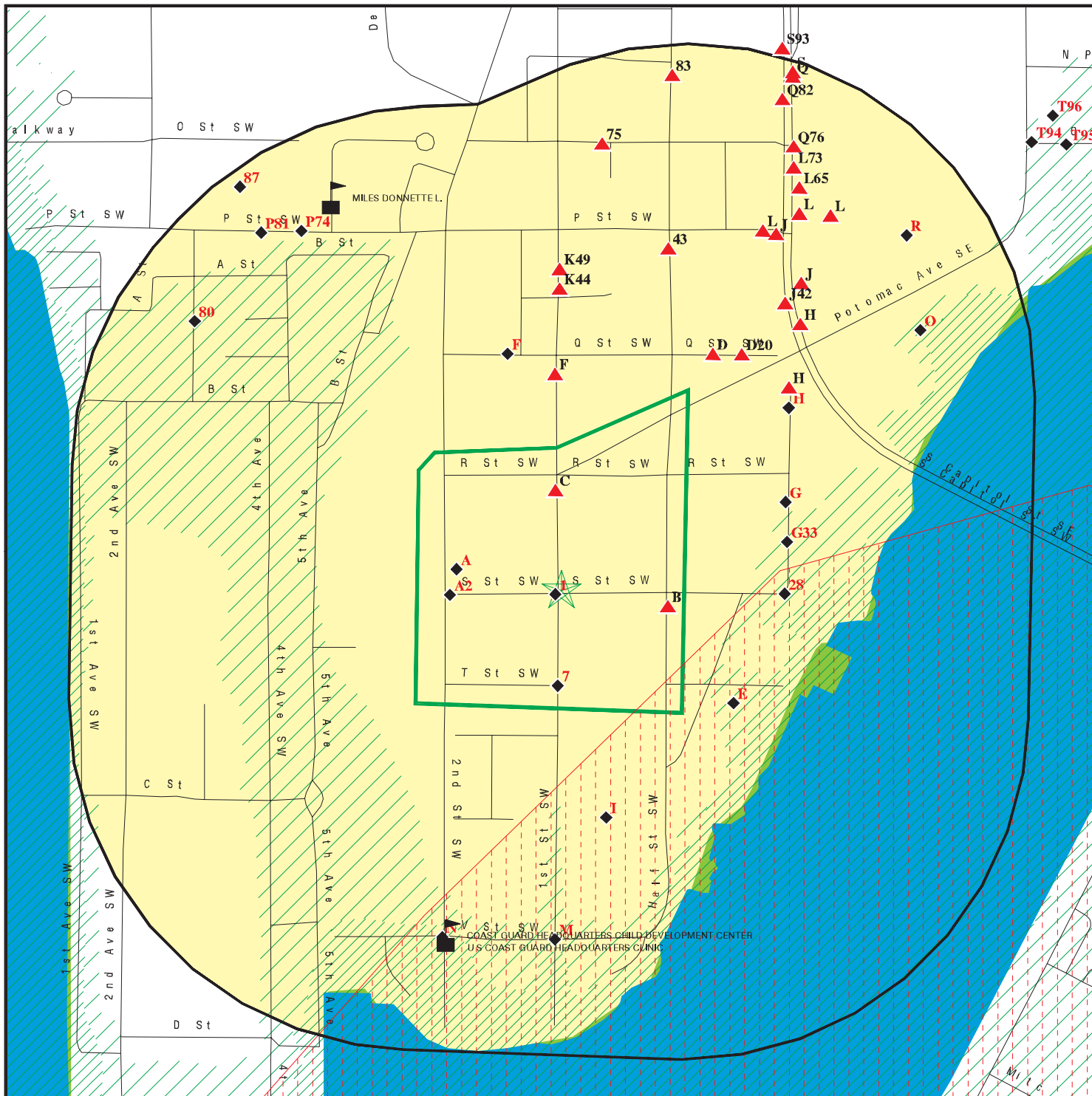


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Buzzard Point
 ADDRESS: S Street SW/1st Street SW
 Washington DC 20024
 LAT/LONG: 38.8683 / 77.0121

CLIENT: Haley & Aldrich, Inc.
 CONTACT: Kristen Wright-Ng
 INQUIRY #: 03660997.2r
 DATE: July 10, 2013 4:25 pm

DETAIL MAP - 03660997.2r



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

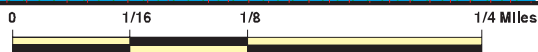
Indian Reservations BIA

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Buzzard Point
 ADDRESS: S Street SW/1st Street SW
 Washington DC 20024
 LAT/LONG: 38.8683 / 77.0121

CLIENT: Haley & Aldrich, Inc.
 CONTACT: Kristen Wright-Ng
 INQUIRY #: 03660997.2r
 DATE: July 10, 2013 4:26 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	1	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS	0.500		0	1	0	NR	NR	1
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP	0.500		0	0	3	NR	NR	3
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	1	NR	1
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	2	NR	NR	NR	2
RCRA-CESQG	0.250		7	2	NR	NR	NR	9
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
DC SHWS	1.000		0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
DC SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
DC LUST	0.500		13	5	15	NR	NR	33
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
DC UST	0.250		16	11	NR	NR	NR	27

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DC AST	0.250		0	1	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
DC VCP	0.500		0	1	0	NR	NR	1
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
DC BROWNFIELDS	0.500		8	2	3	NR	NR	13
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
DC HIST UST	0.250		3	4	NR	NR	NR	7
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		3	7	NR	NR	NR	10
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		1	0	0	0	NR	1
FUDS	1.000		0	0	0	1	NR	1
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	1	NR	1
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
NJ MANIFEST	0.250		4	1	NR	NR	NR	5
PA MANIFEST	0.250		0	2	NR	NR	NR	2
NY MANIFEST	0.250		0	2	NR	NR	NR	2
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		5	4	NR	NR	NR	9
EDR US Hist Cleaners	0.250		2	3	NR	NR	NR	5

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

**DOD
Region**

**NAVAL STATION ANACOSTIA
NAVAL STATION ANACOSTIA (County), DC**

**DOD CUSA133908
N/A**

< 1/8
1 ft.

DOD:
Feature 1: Navy DOD
Feature 2: Not reported
Feature 3: Not reported
URL: Not reported
Name 1: Naval Station Anacostia
Name 2: Not reported
Name 3: Not reported
State: DC
DOD Site: Yes
Tile name: DCWASHINGTON

**NPL
Region
ENE
1/2-1
3372 ft.**

**WASHINGTON NAVY YARD
1013 O STREET SE
WASHINGTON NAVY YARD, DC 20374**

**NPL 1000147680
CERCLIS DC9170024310
CORRACTS
RCRA-LQG
US ENG CONTROLS
ROD
NY MANIFEST
PA MANIFEST**

NPL:
EPA ID: DC9170024310
EPA Region: 03
Federal: Y
Final Date: 1998-07-28 00:00:00

Site Details:
Site Name: WASHINGTON NAVY YARD
Site Status: Final
Site Zip: 203740001
Site City: WASHINGTON
Site State: DC
Federal Site: Yes
Site County: DISTRICT OF COLUMBIA
EPA Region: 03
Date Proposed: 03/06/98
Date Deleted: Not reported
Date Finalized: 07/28/98

Substance Details:
NPL Status: Currently on the Final NPL
Substance ID: Not reported
Substance: Not reported
CAS #: Not reported
Pathway: Not reported
Scoring: Not reported

NPL Status: Currently on the Final NPL
Substance ID: A003
Substance: ANTIMONY AND COMPOUNDS
CAS #: Not reported
Pathway: NO PATHWAY INDICATED

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

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Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: A005
Substance: ARSENIC AND COMPOUNDS
CAS #: Not reported
Pathway: SURFACE WATER PATHWAY
Scoring: 4

NPL Status: Currently on the Final NPL
Substance ID: A011
Substance: BERYLLIUM AND COMPOUNDS
CAS #: Not reported
Pathway: SURFACE WATER PATHWAY
Scoring: 4

NPL Status: Currently on the Final NPL
Substance ID: A020
Substance: CHROMIUM AND COMPOUNDS
CAS #: Not reported
Pathway: SURFACE WATER PATHWAY
Scoring: 4

NPL Status: Currently on the Final NPL
Substance ID: A038
Substance: NICKEL AND COMPOUNDS
CAS #: Not reported
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: A046
Substance: POLYCHLORINATED BIPHENYLS
CAS #: 1336-36-3
Pathway: SURFACE WATER PATHWAY
Scoring: 4

NPL Status: Currently on the Final NPL
Substance ID: A048
Substance: SELENIUM AND COMPOUNDS
CAS #: Not reported
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: A049
Substance: SILVER AND COMPOUNDS
CAS #: Not reported
Pathway: SURFACE WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: C178
Substance: COPPER AND COMPOUNDS
CAS #: Not reported
Pathway: SURFACE WATER PATHWAY
Scoring: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

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NPL Status: Currently on the Final NPL
Substance ID: C247
Substance: ZINC AND COMPOUNDS
CAS #: Not reported
Pathway: SURFACE WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: C460
Substance: MERCURY
CAS #: 7439-97-6
Pathway: SURFACE WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: D006
Substance: CADMIUM (CD)
CAS #: 7440-43-9
Pathway: SURFACE WATER PATHWAY
Scoring: 4

NPL Status: Currently on the Final NPL
Substance ID: D008
Substance: LEAD (PB)
CAS #: 7439-92-1
Pathway: SURFACE WATER PATHWAY
Scoring: 4

Summary Details:

Conditions at Proposal March 1998): The Washington Navy Yard (WNY) is the oldest continuously operated Navy facility in the United States. It currently occupies 71.5 acres in the District of Columbia. The facility was opened officially on October 2, 1799. By 1812, it was well equipped for the purpose of shipbuilding and repair. During the 1800s, ordnance production, research, and other industrial activities were prevalent at the yard. In 1886, the WNY was redesignated as the Naval GunFactory. During the next 20 years considerable expansion of the WNY occurred. Production of ordnance remained the primary operational activity at the facility during this time. To accommodate the WNY, significant areas of adjacent marshlands were filled in. In the 1940s, the primary role of the WNY shifted from production of ordnance to administrative activities. Although administrative activities became a large function of the WNY, all ordnance production still was monitored or tested at the facility. To accommodate the expanded activity, new administrative and research facilities were constructed on the eastern portion of the facility. In 1961, the WNY officially became an administrative facility. Activities currently conducted at the WNY include administration, supply and storage, and training. An historic center that is open to the public is also currently located at the WNY. Records documenting the wastes generated during ordnance production or the various other industrial processes that occurred at the WNY have not been located. However, based on the descriptions of the documented operations at the WNY the typical wastes generated can be reasonably determined. These wastes would include metals used in ordnance production and paint-spraying; solvents used in cleaning; cyanide and phenols used in cooling processes; creosote used in wood treatment; petroleum products and wastes; and PCB-containing oils in storage tanks and electrical equipment. Contamination also likely occurred during storage and handling of raw materials. The storm water system draining the facility

Map ID
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MAP FINDINGS

Site

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EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

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is contaminated with metals and PCBs, which can be attributed to the industrial processes and ordnance production that historically occurred at the facility. The storm water system leads to nine outfalls into the Anacostia River. Sediment sampling of the Anacostia River in the area of the WNY shows metals and PCB contamination. In addition, volatile and semi-volatile contaminants have been found in soils throughout the facility, although sufficient documentation does not exist to fully evaluate this contamination at this time. Status July 1998): Remedial activities currently in progress involve the investigation and removal of contaminated sediments from the stormwater system. The description of the site release) is based on information available at the time the site was scored. The description may change as additional information is gathered on the sources and extent of contamination. See 56 FR 5600, February 11, 1991, of subsequent FR notices.

Site Status Details:

NPL Status: Final
Proposed Date: 03/06/1998
Final Date: 07/28/1998
Deleted Date: Not reported

Narratives Details:

NPL Name: WASHINGTON NAVY YARD
City: WASHINGTON
State: DC

CERCLIS:

Site ID: 0300031
EPA ID: DC9170024310
Facility County: DISTRICT OF COLUMBIA
Short Name: WASHINGTON NAVY YARD
Congressional District: 01
IFMS ID: 03SA
SMSA Number: Not reported
USGC Hydro Unit: 02070010
Federal Facility: Federal Facility
DMNSN Number: 63.30000
Site Orphan Flag: N
RCRA ID: Not reported
USGS Quadrangle: Not reported
Site Init By Prog: Not reported
NFRAP Flag: Not reported
Parent ID: Not reported
RST Code: Not reported
EPA Region: 03
Classification: Not reported
Site Settings Code: CL
NPL Status: Currently on the Final NPL
DMNSN Unit Code: ACRE
RBRAC Code: Not reported
RResp Fed Agency Code: USNV
Non NPL Status: Not reported
Non NPL Status Date: / /
Site Fips Code: 11001
CC Concurrence Date: / /
CC Concurrence FY: Not reported
Alias EPA ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

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Site FUDS Flag: N

CERCLIS Site Contact Name(s):

Contact ID: 3270057.00000
Contact Name: DAVID POLISH
Contact Tel: (215) 814-3327
Contact Title: Community Involvement Coordinator
Contact Email: Not reported

Contact ID: 3000181.00000
Contact Name: ROBERT W. STROUD
Contact Tel: (215) 814-3366
Contact Title: Remedial Project Manager (RPM)
Contact Email: Not reported

Contact ID: 13003535.00000
Contact Name: Joseph Vitello
Contact Tel: (215) 814-3354
Contact Title: Site Assessment Manager (SAM)
Contact Email: Not reported

CERCLIS Site Alias Name(s):

Alias ID: 101
Alias Name: USN WASHINGTON NAVAL DIST BLDG 170
Alias Address: Not reported
WASHINGTON, DC

Alias ID: 103
Alias Name: WASHINGTON NAVY YARD
Alias Address: 901 M STREET, SE
WASHINGTON, DC 20003

Alias ID: 3270050
Alias Name: WASHINGTON NAVY YARD
Alias Address: 1014 N STREET SE SUITE 3207
WASHINGTON, DC 23185

Alias Comments: Not reported

Site Description: The Washington Navy Yard (WNY) covers 63.3 acres and borders the Anacostia River in southeastern Washington, D.C. Commercial and vacant commercial properties along M Street border the facility on the north, commercial properties and a former industrial area along 11th Street on the east, the Southeast Federal Center (SEFC) on the west, and the Anacostia River on the south. The WNY consists primarily of buildings and other impervious surfaces with little vegetated area. The WNY's role throughout its two centuries of operation has been primarily ordnance production and research, but it also has included shipbuilding and repair, industrial development, and heavy equipment manufacturing. After World War II, the WNY's role shifted from manufacturing to administration. Currently, the WNY includes administrative, supply, and storage buildings; residences; training facilities; and museums. Buildings and other impervious surfaces cover approximately 95 percent of the area surfaces at the WNY. Eleven operable units for the WNY are identified on the EPA website. Site 4 is listed as Operable Unit 04. Site 4 includes Buildings 44, 46, 67, and 108 located in the central area of the WNY. Building 44 has been used for administrative offices and is now also used for the Navy Library. Building 46 is located on Harwood Street and was formerly a cartridge-case and metal-pressing shop but now contains the Navy Exhibit Center, a shop, and a warehouse. A sub-basement of Building 46 was reportedly used as a jail during the 19th century. The present-day Building 67 had formerly been designated as

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two buildings-Building 66 at the southern end and Building 67 at the northern end. Building 67 was used as a cartridge case, metal-pressing shop, primer shop, and furnace room, and it is now an art gallery. Building 108, currently used for administrative purposes, had been used as an anchor shop, a cartridge-case shop, and the Naval Gun Factory Laboratory. The Naval Gun Factory Laboratory consisted of a Metals Engineering Branch, Chemistry Branch, Metallurgy Branch, and a Welding Engineering Branch. The primary mission of the laboratory was to support the Naval Gun Factory and Bureau of Ordnance. Because the laboratory was used to support ordnance manufacture-related issues, and not industrial processes, the amount of chemicals used is believed to have been insignificant. On July 16, 1997, the EPA and the Navy entered into a Consent Order to perform a RCRA Facility Investigation (RFI) at the WNY, to determine the nature and extent of potential releases of hazardous wastes, solid wastes, and/or hazardous constituents at or from the WNY. On March 6, 1998, the EPA proposed the WNY for listing on the Federal Facilities section of the National Priorities List (NPL). The WNY was added to the NPL through a final rule in the Federal Register on July 28, 1998. An Interagency agreement (Federal Facilities Agreement [FFA]) between EPA Region III, the District of Columbia, and the Navy was signed on June 30, 1999. With the final FFA in place, the Navy functions as the lead agency for the management and cleanup of the WNY IR sites. Effective on September 27, 1999, the FFA superseded the Resource Conservation and Recovery Act (RCRA) Final Administrative Order of Consent signed on July 16, 1997. Site 4 was identified in the FFA as Buildings 44, 46, 108 and 67 (Cartridge Case Shop). The current use for each Site 4 building is presented below: Building 44 - Administrative offices and Navy library Building 46 - Navy Exhibit Center, a shop, and a warehouse Building 67 - Art gallery Building 108 - Administrative offices Since Site 4 consists of buildings, pavement, or similar impervious surfaces, there is no current exposure to the soil at Site 4. The Naval Station Washington Master Plan indicates that the buildings will continue to be used at the WNY with proposed future uses for administrative offices and museum space consistent with current building uses. Therefore, it is unlikely that there will be exposure to soil at Site 4 in the future. A No Action Record of Decision (ROD) addressing Operable Unit 04 was completed in September 2004. Operable Unit 10: Site 10 consists of four discontinuous areas. The largest area is located in the north-central portion of the WNY, and is commonly called Admiral's Row. The site consists of 17 buildings, structures, and areas associated with Flag (admiral and captain) Housing and ceremonial uses. The buildings are currently used for residential purposes, except Building 1, which is used as administrative offices. The topography at Site 10 gradually slopes to the south toward the Anacostia River. The soil underlying the Site 10 area consists of non-native and man-made fill and naturally-deposited soil material. Approximately 35 percent of the ground surface is covered with pavement and buildings with most of the uncovered, grassy area focused in Leutze Park located west of Quarters B. Site 10 includes Quarters A through H, K through P, R through W, and Y; Building 1; Admiral Leutze Park; and the Latrobe Gate. Only four of the buildings (Quarters N, O, and U and Building 1) have been used for functions other than housing: -Quarters N and O were built in 1866 originally as Paint Shop #1 and remodeled into living quarters around 1900. - Quarters U (Building 195) was constructed in 1937 as a training building, and shortly before World War II it was used as an experimental-ammunition building by the Naval Research Laboratory. From about 1946 to 1950, the building was used by the WNY transportation department and then converted into the WNY Naval Reserve Center. In 1965, the building was converted into officer quarters and redesignated "Quarters U". - Building 1 (also referred to as "Quarters J") was constructed about 1840 to serve as the Commandant's Office and was used as administrative offices (intelligence

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office, post office, communications office, and credit union office) until about 1948, when it was remodeled into multiple living quarters and called Quarters J. In the early 2000's, it again underwent extensive remodeling and now serves as administrative offices. Investigations at the WNY have found some areas of lead-contaminated soil at Site 10. Past maintenance of these buildings with exterior lead-based paints and lead roofing materials is believed to be the source of lead contamination in soil. Before health hazards associated with lead were understood, lead was used in paint and many other products. Although the federal government banned lead-based paint from housing in 1978, many older homes still contain lead-based paint. In 1993, the Navy prepared a Preliminary Assessment (PA) report for the WNY. The 1993 PA used historical documents, personnel interviews, and consultation with the District and federal agencies to identify 16 areas of concern at the WNY requiring further study. Site 10 was one of the areas identified. In 1995, the Navy presented the results of the investigation of 13 sites and 2 areas of concern at WNY in the Site Investigation report for the WNY. This report included results for the Site 10 area. The field investigation related to Site 10 included the collection of groundwater, surface soil, and subsurface soil. The results of the investigation revealed that the primary ways people could be exposed to contaminants at Site 10 were by ingesting (accidentally swallowing) surface soil or subsurface soil. In 1998, soil sampling was conducted at Quarters A (Tingey House) to assess the presence of lead in surface soil. This sampling was performed as a precaution given the findings of lead in soil at other residential locations on the WNY (Site 10). Based on the results, Quarters A was added to Site 10. As part of the 1999 Facility-Wide Remedial Investigation (RI), a Facility-Wide Hydrogeologic Investigation was performed for 9 sites, including Site 10. The purpose of the investigation at Site 10 was to evaluate the presence of lead in groundwater as a result of previous soil sampling performed at Site 10 that indicated the elevated presence of lead in soil. This investigation included soil and groundwater sampling. The results of the investigation did not indicate unacceptable levels of lead in the groundwater, but recommended additional groundwater sampling for various constituents detected in soil (benzo (a) pyrene, copper and manganese). In 2002, a Phase II Investigation was conducted at Site 10 that involved subsurface soil sampling to delineate the vertical extent of the lead concentrations in soil. The investigation characterized the vertical extent of lead in soil to a depth of 4 feet below ground surface. Several samples were also analyzed for other metals and pesticides in order to provide data to complete the human health risk assessment. The data collected in this investigation was compiled and reported in the 2004 Focused RI for Site 10. In 2004, a Focused RI report for Site 10 was completed. This report compiled all data collected to date at Site 10 and provided a full characterization of the nature and extent of soil contamination. The data compiled included analytical results from groundwater samples and from more than 550 soil samples collected between 1995 and 2004. These data were used to assess potential risk to people and the environment and to establish whether or not the site is a source of lead contamination to groundwater. A Feasibility Study (FS) was recommended based on the potential hazards associated with people and plants being exposed to lead in soil at the site. In lieu of conducting a FS, and as a conservative and protective measure, a series of non time- critical removal actions were recommended for all areas within Site 10 with surface soil concentrations of lead greater than 400 parts per million (ppm). This is the conservative screening value established by EPA to be protective of children in a residential setting. Following the 2004 Focused RI, institutional controls (ICs) were put in place at Site 10 to reduce the chance people would be exposed to contaminants. These controls included restrictions on gardening by residents and training the WNY's professional

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gardener how to safely handle dirt, grass clippings and other plant materials that could contain lead. These restrictions were communicated to the residents and workers who lived or worked at these quarters in 2004 through a fact sheet and an information session. Subsequent residents and workers were notified as they moved in or were hired. Between late 2003 and early 2008, a series of removal actions were completed at Site 10. The removal actions consisted of excavating soil to depths of between 1 and 4 feet where surface soil is exposed and lead levels exceeded 400 ppm, and replacing it with clean backfill. The history and background of the buildings at Site 10 indicate that the soils beneath patios, walkways, pavements or buildings would not have been impacted by lead-based paint maintenance activities. Therefore, soils beneath these areas were not disturbed. As the excavations progressed, sampling was used to verify that soil concentrations exceeding 400 ppm had been successfully removed or to recommend additional excavation. Approximately 2,175 cubic yards of soil were removed and disposed of at a landfill at a cost of approximately \$5 million. As each quarters, or group of quarters, were successfully remediated, ICs were removed. After completion of the non-time-critical soil removal actions at Site 10, no unacceptable human health or ecological risks were identified that require future action. The Site 10 Removal Action Master Report incorporates the results of the removal actions and the 313 confirmatory soil samples for Site 10. The results of these confirmatory soil-sampling activities indicated the soil throughout Site 10 was successfully remediated to concentrations less than 400 ppm. On July 16, 1997, the EPA and the Navy entered into a Consent Order to perform a Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) at the WNY to determine the nature and extent of potential releases of hazardous wastes, solid wastes, and/or hazardous constituents at or from the WNY. The EPA's jurisdiction to issue the Consent Order derived from authority vested in EPA by Section 7003 of RCRA, as amended by the Hazardous and Solid Waste Amendments of 1984. Pursuant to CERCLA authority, on March 6, 1998, the EPA proposed the WNY for listing on the Federal Facilities section of the National Priorities List (NPL) by publishing a proposed rule in the Federal Register. The Federal Register notice announced EPA's public comment period for the proposed listing of the WNY (and several other sites) from March 6, 1998, through May 5, 1998. The WNY was added to the NPL through a final rule in the Federal Register on July 28, 1998. An Interagency Agreement (Federal Facilities Agreement [FFA]) between EPA Region III, the District of Columbia, and the Navy was signed on June 30, 1999. In accordance with Executive Order 12580 and the National Contingency Plan, the Navy functions as the lead agency for the management and cleanup of the WNY Installation Restoration Program sites under CERCLA. EPA, the Navy, and the DDOE work together as part of the WNY cleanup team. Effective September 27, 1999, the FFA superseded the July 16, 1997 RCRA Order. Currently, WNY includes administrative, supply, and storage buildings; residences; training facilities; and museums. Buildings and other impervious surfaces cover approximately 95 percent of the area surfaces. Leutze Park, in the facility's north-central portion, is the only substantial vegetated area in this largely urban setting. Approximately 35 percent of the ground surface at Site 10 is covered with pavement and buildings with most of the uncovered, grassy area focused in Leutze Park. The buildings and grounds that make up Site 10 are currently used for residences (quarters) for Navy officers and their families, except Building 1 (administrative offices) and Leutze Park, which is a manicured grass park used for ceremonies. The potential future exposure scenarios evaluated in the Human Health Risk Assessment and Environmental Risk Assessment for Site 10 addressed by this ROD conservatively assume that the sites will continue to be used for residential purposes, and that the subsurface soil may be excavated at some point in time and become surface soil so that there is a complete exposure pathway with future residents. A ROD

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addressing Operable Unit 10 was completed in September 2009. OU 13: Operable Unit (OU) 13 is comprised of contaminated soils at Sites 1, 2, 3, 7, 9, 11, and 13. Each site is described below. Site 1: Site 1 is located near the center of the WNY, and consists of the soil beneath Building 22 plus approximately 40 feet of the immediately surrounding area to the west, north, and east; and is bounded to the south by Site 2. Site 1 is covered by buildings, pavement, and other impervious surfaces, and is currently used as office space, a fitness center, restaurants, and shops. Building 22 was a foundry used for melting and casting from 1858 through 1915, then for metal machining and assembly operations of various guns until the 1960s, when it became the Naval Station Laundry. By 1975, Building 22 had become the Radiation Effects Facility (RADEF) Instrumentation Test Facility. In 1990, it became the Naval Investigative Service (NIS) forensic lab, in which light machining, darkroom photo processing, and electronics work were performed. An underground storage tank (UST) identified as an emergency generator (oil)/dry cleaning products tank was also located north of Building 22. Two other USTs were located in an area that is the southwest corner of the current Building 22.

Site 2: Site 2 is located near the center of the WNY, south of Site 1, and consists of the soil beneath Buildings 33, 37, 39, 109, and 36; which are multistoried brick structures known as the Quadrangle Complex. The site also includes approximately 40 ft of the immediately surrounding area to the west, south, and east, and is adjoined by Site 1 on the north. Site 2 is covered by buildings, pavements, and other impervious surfaces, and is currently used as office space. Site 2, the Quadrangle Complex, is believed to be the site of the original WNY machine shop, and was constructed in phases between 1854 and 1860 (with the exception of Building 37). Building 37 was constructed as a toilet (bathroom) in 1899. Industrial operations in the Quadrangle Complex buildings ceased in the early 1960s, when the WNY Naval Gun Factory was closed. In the years after the factory's closure, the Quadrangle Complex buildings served primarily as storage facilities for the Navy Exchange System and the WNY Supply Department. A battery shop, containing automotive-type batteries, was believed to have been located in former Building 33A, a small cinderblock addition to Building 33. In the late 1990s, all of the Quadrangle Complex buildings were fully gutted and renovated within the original building footprints. The original floor slabs were removed, and soil was excavated within each of the buildings to at least 3 ft below grade. Abandoned utilities were removed, and new utilities were installed under a new reinforced concrete floor. During the excavation activities, a 1,000-gallon UST was discovered under Building 109. It was believed that the UST was used to store heating oil for the building. The UST was removed in 1996. Because there was some evidence of a release related to this tank, a site characterization investigation was conducted in accordance with the District of Columbia Department of Health (DCDOH) UST Division procedures and, after several rounds of groundwater monitoring, the case was closed out in 1998. The renovated buildings were installed with an under-slab ventilation system. Although a specific explanation as to the purpose of this system has not been found, one likely explanation is that it was installed as a protective measure for residual petroleum found in the soil during the UST site characterization. Site 3: Site 3 is also located near the center of the WNY, immediately east of Site 1. It consists of the area formerly occupied by Buildings 40 and 41. Buildings 40 and 41 were demolished in 1977; no buildings are currently located on the site, which is now a park. Buildings 40 and 41 were constructed in 1892 and 1859, respectively, and were previously connected to still-existing Building 76, which is located south of Site 3. In the 1950s, electroplating in Building 41 was performed on gun parts, using a number of plating solutions containing chrome, zinc, nickel, copper, brass, gold, silver, and rhodium. Electroplating operations in Building 41 consisted of three deep plating pits (one 75 ft deep

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and two 60 ft deep) and a number of other plating and storage tanks. The deep pits were located approximately 60 feet north of Building 76. Buildings 40 and 41 were demolished owing to their contamination with acid fumes from the electroplating process. Much of the buildings' foundations, including the former electroplating pits, were left in place. The presence of remnant building foundations has been confirmed during the Phase II Remedial Investigation (RI), when large concrete and brick blocks were encountered in the Site 3 area during drilling activities. Some underground rooms reportedly are still intact under Dahlgren Avenue west of the area formerly occupied by the buildings. These underground rooms remain as underground void spaces; they are not used for any purpose and are not accessible for occupancy. Based on the historical review of Buildings 40 and 41, no spills or releases to the soil or groundwater have been documented at Site 3; however, the possibility exists that undocumented spills or releases may have occurred. Site 7: Site 7, located near the eastern boundary of WNY, consists of Building 126 and approximately 10 ft of the immediately surrounding area to the west, north, and east. Site 7 is covered by buildings, pavement, and other impervious surfaces, and is currently used as office space. Building 126 is approximately 65 years old and currently houses the Naval District Washington Security Division. From 1938 to 1950, Building 126 was the receiving station laundry, in which clothes were washed, starched, and pressed. According to the historical review, no dry-cleaning activities were performed in Building 126. Based on the historical review, no documented spills or releases to the soil or groundwater at Site 7 have been documented; however, the possibility exists that undocumented spills or releases may have occurred. Site 9, located in the northeastern corner of the WNY, consists of soil beneath Buildings 219 and 220 and approximately 10 to 50 ft of the immediately surrounding area. It is covered by buildings, pavement, and other impervious surfaces. Buildings 219 and 220 are four-story brick-and-concrete buildings that were constructed in 1944 and are currently used for office space. From 1944 through 1962, Building 219 was used as a gauge laboratory and machine shop for manufacturing precision instruments; for a period of time it was used as a U.S. Geological Survey (USGS) laboratory for the study of uranium and other radioactive raw materials on behalf of the Atomic Energy Commission. The floors of Building 219 were concrete and covered with creosoted wood blocks in the shop areas and asphalt tile in the administrative areas. Building 220 was used as an aviation ordnance shop to manufacture and test prototype aviation equipment such as bomb racks and rocket launchers. The shop comprised the following sections: woodworking, sheet metal fabricating and welding, heat treating (using a small on-floor grade cyanide heat-treating bath), instrument making (all types of precision instruments including bombsights and intervelometers), and general machining. Based on the historical review of activities at Buildings 219 and 220, no spills or releases to the soil or groundwater at Site 9 have been documented; however, the possibility exists that undocumented spills or releases may have occurred. Site 11: Site 11, located in the southeast corner of the WNY at the eastern extent of the Building 166 parking lot, consists of two former incinerators. Site 11 is entirely paved with asphalt and is not currently used. The incinerators were installed in 1967 and 1971 to burn classified materials from numerous government agencies in the Washington, D.C., area. Based on the fairly recent use of the incinerators on WNY (last 35 years) and the amount of covered area (from pavement, concrete, buildings, etc.) at WNY during that time, it is likely that any ash waste material from the incinerators was transported off-facility for disposal and not disposed of at WNY. Therefore, the potential release of contaminants associated with the incinerator is believed to be associated with the air emissions rather than soil and groundwater contamination from contacting buried ash material. Site 13: Site 13, located in north central section of the WNY, consists of the area

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Elevation

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around Building 290. The site is covered by a building with an unpaved (mulched), perimeter, and currently houses electrical equipment. Building 290 is suspected to have housed polychlorinated biphenyl (PCB)-containing equipment. Currently, WNY includes administrative, supply, and storage buildings; residences; training facilities; and museums. Buildings and other impervious surfaces cover approximately 95 percent of the area surfaces. Leutze Park, in the facility's north-central portion, is the only substantial vegetated area in this largely urban setting. Sites 1, 2, 7, and 9 currently have buildings on-site that are used as office space. Site 1 buildings are also used as a fitness center, restaurants, and shops. Site 3 is currently a park. Site 11 is not currently used, and is entirely paved with asphalt. Site 13 currently houses electrical equipment. The Naval Station Washington Master Plan details development and land use plans for the WNY. According to the Master Plan the future use of Sites 1, 2, 7, and 9 will remain consistent with current use and Sites 3 and 11 may be developed for office use in the future. The potential future exposure scenarios evaluated in the Human Health Risk Assessment for all seven sites addressed by this Record of Decision (ROD) conservatively assume that the subsurface soil will be excavated to a depth of 4 feet below ground surface and become surface soil, and that the sites will be redeveloped at some point for residential use. A ROD addressing OU13 was completed in December 2007. OU 14: Site 14 (Operating Unit 14) includes a single-story building (Building 292) on the WNY, located east of Willard Park. Building 292, currently used for storage, was formerly designated Electrical Substation "C" for the WNY. This site formerly included a transformer (on the west side of the building), and other electrical equipment that contained polychlorinated biphenyls (PCBs). Because the site is located near a storm sewer leading to Outfall 6, which discharges to the Anacostia River, the site may have contributed to historical sediment contamination in the sewer. Building 292 was also used to store unspecified maintenance materials for the bleacher seats formerly located west of Building 292. On July 16, 1997, the EPA and the Navy entered into a Consent Order to perform a Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) at the WNY to determine the nature and extent of potential releases of hazardous wastes, solid wastes, and/or hazardous constituents at or from the WNY. The EPA's jurisdiction to issue the Consent Order derived from authority vested in EPA by Section 7003 of the RCRA, as amended by the Hazardous and Solid Waste Amendments of 1984. Pursuant to CERCLA authorities, on March 6, 1998, the EPA proposed the WNY for listing on the Federal Facilities section of the National Priorities List (NPL) by publishing a proposed rule in the Federal Register (volume 63, number 44, pages 11,340-11,345). The Federal Register notice announced EPA's public comment period for the proposed listing of the WNY (and several other sites) from March 6, 1998, through May 5, 1998. The WNY was added to the NPL through a final rule in the Federal Register on July 28, 1998 (volume 63, number 144, pages 40,182-40,188). An Interagency agreement (Federal Facilities Agreement [FFA]) between EPA Region III, the District of Columbia, and the Navy was signed on June 30, 1999. In accord with Executive Order 12580 and the National Oil and Hazardous Substances Pollution Contingency Plan (National Contingency Plan or NCP), the Navy functions as the lead agency for the management and cleanup of the WNY IR sites under CERCLA. Effective September 27, 1999, the FFA superseded the July 16, 1997 RCRA Order. Site 14 was identified in the FFA as Building 292. In 1995, Baker Environmental, Inc. (Baker) conducted a Site Investigation (SI) study on 13 sites and 2 Areas of Concern (AOCs), including Site 14. Surface soil samples and sub-basement surface water samples were collected during the investigation at Site 14 to assess the potential presence of PCBs originating from the electrical equipment previously located at Building 292. Surface soil samples at locations north, west, and south of Building 292 were field screened for PCBs during the SI.

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Based on elevated PCB field screening results, four of these samples, collected from locations south of Building 292, were sent to a laboratory for PCB analysis, which indicated that PCBs were present in the surface soil. Based on the SI results, the Navy conducted a removal action in November 1997 to remove PCB-contaminated soil from a 28-by-22-foot area adjacent to, and south of, Building 292. Two separate excavation activities were performed, within the same excavation area, to fully remove PCB-contaminated soil. During these excavation activities, a display cannon on a 7-by-5-foot concrete pad was not moved; therefore, soil beneath the cannon was not evaluated for PCBs. Site 14 includes Building 292 and other asphalt and concrete-covered surfaces (e.g., pavement and sidewalks). The current use for the Site 14 building is storage. Since Site 14 consists of buildings, pavement, or similar impervious surfaces, there is no current exposure to the soil at Site 14. The Naval Station Washington Master Plan indicates that the future use of Site 14 will be as a concession stand with outdoor tables. The potential future exposure scenarios evaluated at Site 14 conservatively assumed that the subsurface soil will be excavated to a depth of 4 feet below ground surface and become surface soil. A Record of Decision (ROD) addressing Site 14 (OU14) was completed in October of 2005. Operable Unit (OU) 5: Site 5 (OU 05) is located in the northwestern portion of the WNY, encompassing the soil around Building 73.

Site 5 primarily encompasses the soil around Building 73. Building 73 was constructed between 1898 and 1901 on the former site of Jeffers Square and Building 26. Building 73 originally served as the Secondary Mount Shop and contained machinery for assembling gun mounts and other miscellaneous activities. Starting in 1915, a portion of Building 73 was used to manufacture tubes that were used to launch torpedoes. Torpedoes themselves were not manufactured at this building. These manufacturing activities continued until the building was converted into the Boilermakers Shop Annex in 1949. The Boilermakers Shop Annex fabricated metal items such as girders, shields, and magazine guide tubes for rocket launchers. In 1952, a Welding Shop was added to the operations in Building 73. The Welding Shop in Building 73 housed transformers, generators, and an electric furnace. An aluminum shed was added to the building in 1955 to store oxygen and acetylene tanks. In the late 1950s, Building 73 was used as an aluminum cleaning facility. Ten tanks, approximately 6 feet wide, were located on the first floor of the building along the southern wall of the building. The degreaser tank, used as the first step of the aluminum cleaning process, was mounted in a pit approximately 4 feet below the concrete floor near the southwest corner of Building 73. Building 73 was converted to Administrative Offices in 1961. In 1965, the building was converted into storage space. After 1965, a classified disintegrator was installed in Building 73 to shred paper. During the 1970s or 1980s, the building served as a recreational facility and housed indoor tennis courts. In 1998 renovations began as a part of the Base Realignment and Closure (BRAC) - Naval Sea Command project, which involved converting Building 73 back to office space. It is anticipated that future use of Building 73 will remain as office space. The 1998 BRAC renovations included constructing the parking garage (Building 28) that is presently south of Building 73. The parking garage construction involved the demolition of two buildings (former Buildings 26 and 143). The entire area, including part of what is now Site 5, was excavated to varying depths, the soil was replaced with clean fill, and the surface was landscaped with mulch and shrubbery. Building 73 at Site 5 is currently used as office space. Building 28, which borders Site 5 to the south, is a parking garage. The area between the two buildings measures approximately 25 feet by 300 feet and consists of a concrete pedestrian walkway and landscaped planting areas with several benches. Future use of this area is expected to remain the same or similar (i.e., office, recreational, or industrial). Future use for residential purposes is possible, but is considered to be

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unlikely. A Record of Decision addressing OU 05 (Site 5) was completed in September of 2006. OU 16: Site 16 (Operable Unit 06) is located in the south-central portion of the WNY, adjacent to the Anacostia River. Site 16 is a high-traffic area that is predominantly covered with asphalt, concrete, and buildings. Building 71 and the surrounding paved areas serve as restrooms and parking for visitors to the Navy Museum. The site also provides access to the adjacent Pier No. 2, where the display ship U.S.S. Barry is docked. Site 16 encompasses Building 71 and its former petroleum underground storage tanks (USTs), stormwater lines traversing the site, and an area where free-phase mercury was discovered in the subsurface soil. At one time, 13 petroleum USTs existed at Site 16, within and surrounding Building 71. Between November 1993 and March 1994, these USTs were either removed or abandoned in place. The USTs ranged in size from 550 to 10,000 gallons and contained waste oil, gasoline and diesel fuel. Currently, a corrective action plan (CAP) is being implemented at the Building 71 site under the Naval District Washington (NDW) UST Program through coordination with District of Columbia Department of the Environment (DDOE) UST Division. The CAP involves free-product removal and longterm groundwater monitoring. The stormwater lines that run through the site terminate at Outfalls 5 and 6. The main area of interest within Site 16 is a 12- x 12-foot (ft) area where free-phase mercury was discovered in 1996 in the subsurface soil and removed pursuant to the time-critical removal action performed in June 1999. The area where free-phase mercury was discovered in the subsurface is in the area of the former Building 146, which was built in 1916 and demolished in 1983. At various times throughout its existence, Building 146 housed an Airplane Motor Testing Shop, was used as a shipwright's shop, a diving school, and a public garage, and housed Navy administrative offices. The specific source of mercury release is unknown; however, gauges associated with diving apparatus may have contained mercury. Site 16 is predominantly covered with asphalt, concrete, and buildings, and is a high-traffic area for workers and visitors at the WNY. Building 71 and the surrounding paved areas serve as restrooms and parking for visitors to the Navy Museum. The site also provides access to the adjacent Pier No. 2, where the display ship U.S.S. Barry is docked. The Barry is also a destination for visitors to the WNY. Future use of this area is expected to be the same or similar (i.e., office, recreational, or industrial). Future use for residential purposes is possible, but is considered to be unlikely. A Record of Decision addressing OU 06 (Site 16) was completed in September of 2006.

CERCLIS Assessment History:

Action Code: 001
Action: DISCOVERY
Date Started: / /
Date Completed: 05/01/81
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: PRELIMINARY ASSESSMENT
Date Started: 05/16/91
Date Completed: 05/16/91

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Direction
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Elevation

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Priority Level: Deferred to RCRA (Subtitle C)
Operable Unit: SITEWIDE
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: PRELIMINARY ASSESSMENT
Date Started: 01/31/94
Date Completed: 09/14/94
Priority Level: Higher priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: HAZARD RANKING SYSTEM PACKAGE
Date Started: 09/01/95
Date Completed: 02/26/98
Priority Level: Being considered for proposal to the NPL
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: PROPOSAL TO NATIONAL PRIORITIES LIST
Date Started: / /
Date Completed: 03/06/98
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: FINAL LISTING ON NATIONAL PRIORITIES LIST
Date Started: / /
Date Completed: 07/28/98
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported

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Direction
Distance
Elevation

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Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: FEDERAL FACILITY REMOVAL
Date Started: 06/02/99
Date Completed: 06/16/99
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: FEDERAL INTERAGENCY AGREEMENT
Date Started: 10/01/98
Date Completed: 06/30/99
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: INTERAGENCY AGREEMENT NEGOTIATIONS
Date Started: 10/14/98
Date Completed: 06/30/99
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: ALTERNATIVE DISPUTE RESOLUTION
Date Started: 06/01/00
Date Completed: 12/30/00
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

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Direction
Distance
Elevation

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Action Code: 008
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 05/27/99
Date Completed: 09/28/04
Priority Level: Not reported
Operable Unit: SITE 4
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 013
Action: RECORD OF DECISION
Date Started: / /
Date Completed: 09/28/04
Priority Level: Not reported
Operable Unit: SITE 4
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 017
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 05/27/99
Date Completed: 10/14/05
Priority Level: Not reported
Operable Unit: SITE 14
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 014
Action: RECORD OF DECISION
Date Started: / /
Date Completed: 10/14/05
Priority Level: Not reported
Operable Unit: SITE 14
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION
Date Started: 11/01/05

Map ID
Direction
Distance
Elevation

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Site

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Date Completed: 12/23/05
Priority Level: Not reported
Operable Unit: NFA PHASE II SITES
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 010
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 05/27/99
Date Completed: 09/29/06
Priority Level: Not reported
Operable Unit: BLDG 73
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 009
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 05/26/00
Date Completed: 09/29/06
Priority Level: Not reported
Operable Unit: BLDG 71-SITE 5
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006
Action: RECORD OF DECISION
Date Started: / /
Date Completed: 09/29/06
Priority Level: Not reported
Operable Unit: BLDG 71-SITE 5
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 007
Action: RECORD OF DECISION
Date Started: / /
Date Completed: 09/29/06
Priority Level: Not reported
Operable Unit: BLDG 73

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

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Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005
Action: FEDERAL FACILITY REMOVAL
Date Started: 12/05/06
Date Completed: 08/20/07
Priority Level: Not reported
Operable Unit: SITE 6
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: ENGINEERING EVALUATION/COST ANALYSIS
Date Started: 12/05/06
Date Completed: 08/20/07
Priority Level: Not reported
Operable Unit: SITE 6
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 021
Action: RECORD OF DECISION
Date Started: / /
Date Completed: 12/20/07
Priority Level: Not reported
Operable Unit: NFA PHASE II SITES
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: FEDERAL FACILITY REMOVAL
Date Started: 06/01/04
Date Completed: 05/15/08
Priority Level: Not reported
Operable Unit: ADMIRALS QUARTERS
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported

Map ID
Direction
Distance
Elevation

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Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 014
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 10/12/01
Date Completed: 09/18/09
Priority Level: Not reported
Operable Unit: ADMIRALS QUARTERS
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 020
Action: RECORD OF DECISION
Date Started: / /
Date Completed: 09/18/09
Priority Level: Not reported
Operable Unit: ADMIRALS QUARTERS
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 019
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 03/31/06
Date Completed: 09/29/11
Priority Level: Not reported
Operable Unit: SITE 17
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 025
Action: RECORD OF DECISION
Date Started: / /
Date Completed: 09/29/11
Priority Level: Not reported
Operable Unit: SITE 17
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

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EPA ID Number

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Action Code: 001
Action: Restoration Advisory Board
Date Started: 10/15/97
Date Completed: / /
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 03/25/99
Date Completed: / /
Priority Level: Not reported
Operable Unit: ANACOSTIA RIVER SEDIMENT
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: FEDERAL FACILITY REMEDIAL DESIGN
Date Started: 10/01/01
Date Completed: / /
Priority Level: Not reported
Operable Unit: ANACOSTIA RIVER SEDIMENT
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 07/30/04
Date Completed: / /
Priority Level: Not reported
Operable Unit: GROUNDWATER
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION
Date Started: 03/29/06
Date Completed: / /
Priority Level: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Operable Unit: SITE 6
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 018
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 05/15/06
Date Completed: / /
Priority Level: Not reported
Operable Unit: SITE 8
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 07/01/06
Date Completed: / /
Priority Level: Not reported
Operable Unit: ANACOSTIA RIVER SEDIMENT
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Federal Register Details:

Fed Register Date: 07/28/98
Fed Register Volume: 63
Page Number: 40182

Fed Register Date: 03/06/98
Fed Register Volume: 63
Page Number: 11340

[Click this hyperlink](#) while viewing on your computer to access
102 additional US CERCLIS Financial: record(s) in the EDR Site Report.

CORRACTS:

EPA ID: DC9170024310
EPA Region: 03
Area Name: SITE 14
Actual Date: 19980217
Action: CA600SR - Stabilization Measures Implemented, Primary measure is
source removal and/or treatment

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03
Area Name: SITE 6
Actual Date: 19980217
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment

NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03
Area Name: OUTFALL 1
Actual Date: 19980611
Action: CA611
NAICS Code(s): 92811
National Security
Original schedule date: 19971231
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03
Area Name: SITE 10
Actual Date: 19980611
Action: CA611
NAICS Code(s): 92811
National Security
Original schedule date: 19971231
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03
Area Name: ENTIRE FACILITY
Actual Date: 19980612
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment

NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03
Area Name: ENTIRE FACILITY
Actual Date: 19970716
Action: CA100 - RFI Imposition
NAICS Code(s): 92811
National Security
Original schedule date: 19970306
Schedule end date: Not reported

Map ID
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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

EPA ID: DC9170024310
EPA Region: 03
Area Name: SITE 16
Actual Date: 19980814
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03
Area Name: ENTIRE FACILITY
Actual Date: 19960829
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03
Area Name: ENTIRE FACILITY
Actual Date: 19980922
Action: CA210SF - CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA
NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03
Area Name: SITE 14
Actual Date: 19970929
Action: CA611
NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03
Area Name: SITE 6
Actual Date: 19970929
Action: CA611
NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03
Area Name: ENTIRE FACILITY
Actual Date: 19960930
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
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WASHINGTON NAVY YARD (Continued)

1000147680

NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03
Area Name: OUTFALL 5
Actual Date: 19961026
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment

NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03
Area Name: OUTFALL 1
Actual Date: 19961026
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment

NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03
Area Name: OUTFALL 10
Actual Date: 19961026
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment

NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03
Area Name: OUTFALL 10
Actual Date: 19961026
Action: CA611
NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03
Area Name: OUTFALL 5
Actual Date: 19961026
Action: CA611
NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

Map ID
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EDR ID Number
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WASHINGTON NAVY YARD (Continued)

1000147680

EPA ID: DC9170024310
EPA Region: 03
Area Name: OUTFALL 2
Actual Date: 19981114
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment
NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03
Area Name: OUTFALL 1
Actual Date: 19981114
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment
NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03
Area Name: OUTFALL 6
Actual Date: 19981114
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment
NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03
Area Name: OUTFALL 9
Actual Date: 19981114
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment
NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03
Area Name: OUTFALL 8
Actual Date: 19981114
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment
NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03

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EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Area Name: OUTFALL 3
Actual Date: 19981114
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment
NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03
Area Name: OUTFALL 7
Actual Date: 19981114
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment
NAICS Code(s): 92811
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03
Area Name: SITE 13
Actual Date: Not reported
Action: CA110 - RFI Workplan Received
NAICS Code(s): 92811
National Security
Original schedule date: 19981001
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03
Area Name: SITE 11
Actual Date: Not reported
Action: CA110 - RFI Workplan Received
NAICS Code(s): 92811
National Security
Original schedule date: 19981001
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03
Area Name: SITE 7
Actual Date: Not reported
Action: CA110 - RFI Workplan Received
NAICS Code(s): 92811
National Security
Original schedule date: 19981001
Schedule end date: Not reported

EPA ID: DC9170024310
EPA Region: 03
Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 92811
National Security

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WASHINGTON NAVY YARD (Continued)

1000147680

Original schedule date: 19971015
Schedule end date: Not reported

RCRA-LQG:

Date form received by agency: 03/01/2012
Facility name: WASHINGTON NAVY YARD
Facility address: 1013 O STREET SE; SUITE 100N
WASHINGTON NAVY YARD, DC 20374
EPA ID: DC9170024310
Mailing address: HARWOOD STREET SE
WASHINGTON NAVY YARD, DC 20374
Contact: STEVEN GODIO
Contact address: HARWOOD STREET SE
WASHINGTON NAVY YARD, DC 20374
Contact country: Not reported
Contact telephone: (202) 433-7182
Telephone ext.: 7182
Contact email: STEVEN.GODIO@NAVY.MIL
EPA Region: 03
Land type: Federal
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: NACFAC WASHINGTON
Owner/operator address: O STREET SE; SUITE 100N
WASHINGTON NAVY YARD, DC 20374
Owner/operator country: US
Owner/operator telephone: (202) 433-7182
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: 10/01/1998
Owner/Op end date: Not reported

Owner/operator name: COMMANDER, NSA WASHINGTON
Owner/operator address: PARSONS AVENUE SE; SUITE 340
WASHINGTON NAVY YARD, DC 20374
Owner/operator country: US
Owner/operator telephone: (202) 433-3495
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: 10/01/1998
Owner/Op end date: Not reported

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MAP FINDINGS

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WASHINGTON NAVY YARD (Continued)

1000147680

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/01/2010

Facility name: WASHINGTON NAVY YARD
Classification: Large Quantity Generator

Date form received by agency: 03/03/2008

Facility name: WASHINGTON NAVY YARD
Site name: NAVAL DISTRICT WASHINGTON
Classification: Large Quantity Generator

Date form received by agency: 04/04/2006

Facility name: WASHINGTON NAVY YARD
Classification: Large Quantity Generator

Date form received by agency: 02/27/2004

Facility name: WASHINGTON NAVY YARD
Site name: HQ NAVAL DISTRICT WASHINGTON
Classification: Large Quantity Generator

Date form received by agency: 02/26/2002

Facility name: WASHINGTON NAVY YARD
Site name: HQ NAVAL DISTRICT WASHINGTON
Classification: Large Quantity Generator

Date form received by agency: 02/25/2000

Facility name: WASHINGTON NAVY YARD
Site name: HQ NAVAL DISTRICT WASHINGTON
Classification: Large Quantity Generator

Date form received by agency: 03/01/1998

Facility name: WASHINGTON NAVY YARD
Site name: HQ NAVAL DISTRICT WASHINGTON
Classification: Large Quantity Generator

Date form received by agency: 06/28/1995

Facility name: WASHINGTON NAVY YARD
Classification: Large Quantity Generator

Date form received by agency: 02/28/1994

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EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Facility name: WASHINGTON NAVY YARD
Site name: NAVAL DISTRICT - WASHINGTON DC
Classification: Large Quantity Generator

Date form received by agency: 04/01/1992
Facility name: WASHINGTON NAVY YARD
Site name: NAVAL DISTRICT - WASHINGTON DC
Classification: Large Quantity Generator

Date form received by agency: 02/26/1985
Facility name: WASHINGTON NAVY YARD
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D005
Waste name: BARIUM

Waste code: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

Waste code: D011
Waste name: SILVER

Waste code: D035
Waste name: METHYL ETHYL KETONE

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 183

Waste code: D005
Waste name: BARIUM
Amount (Lbs): 97

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Database(s)

EDR ID Number
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WASHINGTON NAVY YARD (Continued)

1000147680

Waste code: D008
Waste name: LEAD
Amount (Lbs): 6735

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 83

Waste code: D011
Waste name: SILVER
Amount (Lbs): 83

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 97

Corrective Action Summary:

Event date: 08/29/1996
Event: RFA Determination Of Need For An RFI, RFI is Necessary;

Event date: 09/30/1996
Event: CA Prioritization, Facility or area was assigned a high corrective action priority.

Event date: 10/26/1996
Event: CA611

Event date: 10/26/1996
Event: Stabilization Measures Implemented, Primary measure is source removal and/or treatment (e.g., soil or waste excavation, in-situ soil treatment, off-site treatment).

Event date: 07/16/1997
Event: RFI Imposition

Event date: 09/29/1997
Event: CA611

Event date: 02/17/1998
Event: Stabilization Measures Implemented, Primary measure is source removal and/or treatment (e.g., soil or waste excavation, in-situ soil treatment, off-site treatment).

Event date: 06/11/1998
Event: CA611

Event date: 06/12/1998
Event: Stabilization Measures Implemented, Primary measure is source removal and/or treatment (e.g., soil or waste excavation, in-situ soil treatment, off-site treatment).

Event date: 08/14/1998
Event: RFI Workplan Approved

Event date: 09/22/1998
Event: CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective

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EDR ID Number
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WASHINGTON NAVY YARD (Continued)

1000147680

Action at the facility or area referred to CERCLA.

Event date: 11/14/1998
Event: Stabilization Measures Implemented, Primary measure is source removal and/or treatment (e.g., soil or waste excavation, in-situ soil treatment, off-site treatment).

Event date: Not reported
Event: RFI Workplan Approved

Event date: Not reported
Event: RFI Workplan Received

Facility Has Received Notices of Violations:

Regulation violated: SR - 4202.7(c), 4202.7(d).
Area of violation: Generators - Pre-transport
Date violation determined: 09/09/2005
Date achieved compliance: 10/13/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/21/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 4202.6
Area of violation: Generators - Pre-transport
Date violation determined: 09/09/2005
Date achieved compliance: 10/13/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/21/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 4200.10
Area of violation: Generators - General
Date violation determined: 09/09/2005
Date achieved compliance: 10/13/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/21/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 265.50

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Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Area of violation: Generators - General
Date violation determined: 06/28/1995
Date achieved compliance: 01/23/2001
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 265.51(a)
Area of violation: Generators - General
Date violation determined: 05/15/1995
Date achieved compliance: 01/23/2001
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 262.12
Area of violation: Generators - General
Date violation determined: 02/26/1995
Date achieved compliance: 12/19/1996
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 265.174
Area of violation: Generators - General
Date violation determined: 02/26/1995
Date achieved compliance: 01/23/2001
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 265.16
Area of violation: Generators - General

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WASHINGTON NAVY YARD (Continued)

1000147680

Date violation determined: 02/26/1995
Date achieved compliance: 08/13/1998
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 262.34(a)(3)
Area of violation: Generators - Pre-transport
Date violation determined: 02/26/1995
Date achieved compliance: 08/13/1998
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 262.34(a)(2)
Area of violation: Generators - Pre-transport
Date violation determined: 02/26/1995
Date achieved compliance: 08/13/1998
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 12/30/1988
Date achieved compliance: 05/12/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/17/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 12/13/2012
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

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WASHINGTON NAVY YARD (Continued)

1000147680

Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	06/05/2012
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	EPA
Evaluation date:	03/01/2012
Evaluation:	NON-FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	01/20/2011
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	01/28/2010
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	07/08/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	EPA
Evaluation date:	09/09/2005
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	10/13/2005
Evaluation lead agency:	State
Evaluation date:	09/09/2005
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - Pre-transport
Date achieved compliance:	10/13/2005
Evaluation lead agency:	State
Evaluation date:	01/23/2001
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	EPA
Evaluation date:	06/28/1995
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	12/19/1996
Evaluation lead agency:	EPA

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EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Evaluation date: 06/28/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/13/1998
Evaluation lead agency: EPA

Evaluation date: 06/28/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 08/13/1998
Evaluation lead agency: EPA

Evaluation date: 06/28/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/23/2001
Evaluation lead agency: EPA

Evaluation date: 05/15/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/23/2001
Evaluation lead agency: EPA

Evaluation date: 09/29/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/12/1989
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Generators - General
Date achieved compliance: 05/12/1989
Evaluation lead agency: State

Evaluation date: 12/30/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/12/1989
Evaluation lead agency: State

Evaluation date: 07/17/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

US ENG CONTROLS:

EPA ID: DC9170024310
Site ID: 0300031
Name: WASHINGTON NAVY YARD
Address: 901 M STREET, SE
WASHINGTON, DC 203740001

EPA Region: 03
County: DISTRICT OF COLUMBIA
Event Code: Not reported
Actual Date: 09/30/11

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Action ID: 006
Action Name: RECORD OF DECISION
Action Completion date: 09/29/06
Operable Unit: 05
Contaminated Media : Soil
Engineering Control: No Further Action

Action ID: 007
Action Name: RECORD OF DECISION
Action Completion date: 09/29/06
Operable Unit: 06
Contaminated Media : Soil
Engineering Control: No Further Action

Action ID: 013
Action Name: RECORD OF DECISION
Action Completion date: 09/28/04
Operable Unit: 04
Contaminated Media : Soil
Engineering Control: No Further Action

Action ID: 014
Action Name: RECORD OF DECISION
Action Completion date: 10/14/05
Operable Unit: 14
Contaminated Media : Soil
Engineering Control: No Further Action

Action ID: 020
Action Name: RECORD OF DECISION
Action Completion date: 09/18/09
Operable Unit: 10
Contaminated Media : Subsurface Soil
Engineering Control: No Further Action

Action ID: 020
Action Name: RECORD OF DECISION
Action Completion date: 09/18/09
Operable Unit: 10
Contaminated Media : Surface Soil
Engineering Control: No Further Action

Action ID: 021
Action Name: RECORD OF DECISION
Action Completion date: 12/20/07
Operable Unit: 13
Contaminated Media : Soil
Engineering Control: No Action

Action ID: 025
Action Name: RECORD OF DECISION
Action Completion date: 09/29/11
Operable Unit: 19
Contaminated Media : Soil
Engineering Control: No Action

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

NY MANIFEST:

EPA ID: DC9170024310
Country: USA
Mailing Name: UNITED STATES MILITARY
Mailing Contact: UNITED STATES MILITARY
Mailing Address: GSA NAVY YARD-10 P STREET SW
Mailing Address 2: Not reported
Mailing City: WASHINGTON
Mailing State: DC
Mailing Zip: 20407
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 202-755-5636

Document ID: NYC1052469
Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC
Trans1 State ID: 42791A101
Trans2 State ID: NJ564TUH
Generator Ship Date: 910628
Trans1 Recv Date: 910628
Trans2 Recv Date: 910711
TSD Site Recv Date: 910719
Part A Recv Date: 910715
Part B Recv Date: 910802
Generator EPA ID: DC9170024310
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: ILD051060408
TSDf ID: NYD980753784
Waste Code: F005 - UNKNOWN
Quantity: 00027
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 91

Document ID: NYA9581556
Manifest Status: Completed copy
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 890725
Trans1 Recv Date: 890725
Trans2 Recv Date: Not reported
TSD Site Recv Date: 890725
Part A Recv Date: 890801
Part B Recv Date: 890809
Generator EPA ID: DC9170024310
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDf ID: NYD980753784

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Waste Code: F003 - UNKNOWN
Quantity: 00027
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 89

Document ID: NYA3328593
Manifest Status: Completed copy
Trans1 State ID: S-12529/0
Trans2 State ID: Not reported
Generator Ship Date: 880226
Trans1 Recv Date: 880226
Trans2 Recv Date: 880307
TSD Site Recv Date: 880310
Part A Recv Date: 880309
Part B Recv Date: 880318
Generator EPA ID: DC9170024310
Trans1 EPA ID: DCD981735244
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 00004
Units: Y - Cubic yards* (.85 tons)
Number of Containers: 002
Container Type: CW - Wooden boxes
Handling Method: L Landfill.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00001
Units: Y - Cubic yards* (.85 tons)
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 100
Year: 88

Document ID: NYB8805087
Manifest Status: Not reported
Trans1 State ID: PAD146714878
Trans2 State ID: Not reported
Generator Ship Date: 08/31/1998
Trans1 Recv Date: 08/31/1998
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/02/1998
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: DC9170024310
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSD ID: XB58795PA
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 39860

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Units: P - Pounds
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 98

Document ID: NYB8805159
Manifest Status: Not reported
Trans1 State ID: PAD146714878
Trans2 State ID: Not reported
Generator Ship Date: 10/19/1998
Trans1 Recv Date: 10/19/1998
Trans2 Recv Date: Not reported
TSD Site Recv Date: 10/21/1998
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: DC9170024310
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSDF ID: XA07713PA
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 21140
Units: P - Pounds
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 98

Document ID: NYC0223492
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 42790A057
Trans2 State ID: T615KP NJ
Generator Ship Date: 900430
Trans1 Recv Date: 900430
Trans2 Recv Date: 900511
TSD Site Recv Date: 900515
Part A Recv Date: 900831
Part B Recv Date: 900706
Generator EPA ID: DC9170024310
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: ILD051060408
TSDF ID: NYD980753784
Waste Code: F003 - UNKNOWN
Quantity: 00027
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 90

Document ID: NYC0298855

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 900530
Trans1 Recv Date: 900530
Trans2 Recv Date: 900607
TSD Site Recv Date: 900612
Part A Recv Date: 900731
Part B Recv Date: 900627
Generator EPA ID: DC9170024310
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: ILD051060408
TSDF ID: NYD980753784
Waste Code: F005 - UNKNOWN
Quantity: 00027
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 90

Document ID: NYA9397124
Manifest Status: Completed copy
Trans1 State ID: 4289A0454
Trans2 State ID: Not reported
Generator Ship Date: 890329
Trans1 Recv Date: 890329
Trans2 Recv Date: Not reported
TSD Site Recv Date: 890404
Part A Recv Date: 890405
Part B Recv Date: 890411
Generator EPA ID: DC9170024310
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980753784
Waste Code: F003 - UNKNOWN
Quantity: 00144
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 89

Document ID: NYC0378415
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 42790A057
Trans2 State ID: 506T4JNJ
Generator Ship Date: 900731
Trans1 Recv Date: 900731
Trans2 Recv Date: 900811
TSD Site Recv Date: 900817
Part A Recv Date: 900906
Part B Recv Date: 900907

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Generator EPA ID: DC9170024310
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: ILD051060408
TSD ID: NYD980753784
Waste Code: F005 - UNKNOWN
Quantity: 00123
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 90

Document ID: NYG1885977
Manifest Status: Not reported
Trans1 State ID: PAD987358587
Trans2 State ID: Not reported
Generator Ship Date: 06/27/2001
Trans1 Recv Date: 06/27/2001
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/28/2001
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: DC9170024310
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSD ID: XN39249PA
Waste Code: B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity: 05227
Units: K - Kilograms (2.2 pounds)
Number of Containers: 023
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 00682
Units: K - Kilograms (2.2 pounds)
Number of Containers: 010
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 2001

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: NJD986576031
Generator Ship Date: 2008-03-27
Trans1 Recv Date: 2008-03-27
Trans2 Recv Date: 2008-04-01
TSD Site Recv Date: 2008-04-02
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: DC9170024310
Trans1 EPA ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: Not reported
Quantity: 522.0
Units: K - Kilograms (2.2 pounds)
Number of Containers: 5.0
Container Type: CF - Fiber or plastic boxes, cartons
Handling Method: L Landfill.
Specific Gravity: 1.0
Year: 2008
Manifest Tracking Num: 000848170JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: Y
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H132

Document ID: NYC0497046
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC
Trans1 State ID: 42790A057
Trans2 State ID: Not reported
Generator Ship Date: 900921
Trans1 Recv Date: 900921
Trans2 Recv Date: Not reported
TSD Site Recv Date: 901009
Part A Recv Date: 901012
Part B Recv Date: 901024
Generator EPA ID: DC9170024310
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSD ID: NYD980753784
Waste Code: F005 - UNKNOWN
Quantity: 00027
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 90

Document ID: NYC0716646
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC
Trans1 State ID: 427-91A10
Trans2 State ID: NJ506TYJ
Generator Ship Date: 910219
Trans1 Recv Date: 910219
Trans2 Recv Date: 910228
TSD Site Recv Date: 910305
Part A Recv Date: 910305

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Part B Recv Date: 910321
Generator EPA ID: DC9170024310
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: ILD051060408
TSD ID: NYD980753784
Waste Code: F005 - UNKNOWN
Quantity: 00027
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 91

Document ID: NYC0040724
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC
Trans1 State ID: 42790A057
Trans2 State ID: T615KPNJ
Generator Ship Date: 900122
Trans1 Recv Date: 900122
Trans2 Recv Date: 900201
TSD Site Recv Date: 900206
Part A Recv Date: 900129
Part B Recv Date: 900228
Generator EPA ID: DC9170024310
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: ILD051060408
TSD ID: NYD980753784
Waste Code: F003 - UNKNOWN
Quantity: 00027
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 90

Document ID: NYB7194258
Manifest Status: Completed copy
Trans1 State ID: XB55806PA
Trans2 State ID: Not reported
Generator Ship Date: 960731
Trans1 Recv Date: 960731
Trans2 Recv Date: Not reported
TSD Site Recv Date: 960801
Part A Recv Date: 960819
Part B Recv Date: 960819
Generator EPA ID: DC9170024310
Trans1 EPA ID: PAD987271020
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 13260
Units: P - Pounds
Number of Containers: 001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 96

Document ID: NYA7986285
Manifest Status: Completed copy
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 890111
Trans1 Recv Date: 890111
Trans2 Recv Date: Not reported
TSD Site Recv Date: 890123
Part A Recv Date: 890118
Part B Recv Date: 890127
Generator EPA ID: DC9170024310
Trans1 EPA ID: DCD981735244
Trans2 EPA ID: DCD981735244
TSD ID: NYD049836679
Waste Code: B005 - PCB ARTICLES WITH 500 PPM OR > PCB
Quantity: 00750
Units: P - Pounds
Number of Containers: 004
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 89

Document ID: NYC0880593
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC
Trans1 State ID: 42791A101
Trans2 State ID: NJ564TUH
Generator Ship Date: 910419
Trans1 Recv Date: 910419
Trans2 Recv Date: 910425
TSD Site Recv Date: 910430
Part A Recv Date: 910501
Part B Recv Date: 910515
Generator EPA ID: DC9170024310
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: ILD051060408
TSD ID: NYD980753784
Waste Code: F005 - UNKNOWN
Quantity: 00027
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 91

Document ID: NYA9849497
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC
Trans1 State ID: 42789A352

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Trans2 State ID: T631631SC
Generator Ship Date: 891212
Trans1 Recv Date: 891212
Trans2 Recv Date: 891215
TSD Site Recv Date: 891219
Part A Recv Date: 891219
Part B Recv Date: 900108
Generator EPA ID: DC9170024310
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: ILD051060408
TSD ID: NYD980753784
Waste Code: F003 - UNKNOWN
Quantity: 00123
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 89

Document ID: NYC0581163
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC
Trans1 State ID: 42790A057
Trans2 State ID: T996LNNJ
Generator Ship Date: 901128
Trans1 Recv Date: 901128
Trans2 Recv Date: 901206
TSD Site Recv Date: 901212
Part A Recv Date: 910102
Part B Recv Date: 910116
Generator EPA ID: DC9170024310
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: ILD051060408
TSD ID: NYD980753784
Waste Code: F005 - UNKNOWN
Quantity: 00123
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 90

Document ID: NYC1233819
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC
Trans1 State ID: 056401
Trans2 State ID: Not reported
Generator Ship Date: 910923
Trans1 Recv Date: 910923
Trans2 Recv Date: Not reported
TSD Site Recv Date: 911004
Part A Recv Date: 911003
Part B Recv Date: 911028
Generator EPA ID: DC9170024310
Trans1 EPA ID: ILD051060408

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Trans2 EPA ID: Not reported
TSD ID: NYD980753784
Waste Code: F005 - UNKNOWN
Quantity: 00027
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 91

[Click this hyperlink](#) while viewing on your computer to access
21 additional NY_MANIFEST: record(s) in the EDR Site Report.

PA MANIFEST:

Year: 2011
Manifest Number: 006496765JJK
Manifest Type: T
Generator EPA Id: DC9170024310
Generator Date: 07/26/2011
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-433-7182
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 3
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011
Manifest Number: 008982378JJK
Manifest Type: T
Generator EPA Id: DC9170024310
Generator Date: 12/19/2011
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-433-7182
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Facility Telephone: Not reported
Page Number: 1
Line Number: 2
Waste Number: D011
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 14
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011
Manifest Number: 008982125JJK
Manifest Type: T
Generator EPA Id: DC9170024310
Generator Date: 09/19/2011
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-433-7182
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 3
Waste Number: NONE
Container Number: 1
Container Type: Metal drums, barrels, kegs
Waste Quantity: 30
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011
Manifest Number: 000843971JJK
Manifest Type: T
Generator EPA Id: DC9170024310
Generator Date: 08/25/2011
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-433-7182
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Waste Number: D008
Container Number: 1
Container Type: Metal drums, barrels, kegs
Waste Quantity: 300
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011
Manifest Number: 001052577GBF
Manifest Type: T
Generator EPA Id: DC9170024310
Generator Date: 12/14/2011
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-433-7182
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported

Page Number: 1
Line Number: 1
Waste Number: D008
Container Number: 2
Container Type: Metal drums, barrels, kegs
Waste Quantity: 500
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011
Manifest Number: 001052586GBF
Manifest Type: T
Generator EPA Id: DC9170024310
Generator Date: 12/14/2011
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-433-7182
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D008
Container Number: 1
Container Type: Metal drums, barrels, kegs

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Waste Quantity: 150
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011
Manifest Number: 006496765JJK
Manifest Type: T
Generator EPA Id: DC9170024310
Generator Date: 07/26/2011
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-433-7182
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 2
Waste Number: NONE
Container Number: 1
Container Type: Metal drums, barrels, kegs
Waste Quantity: 40
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011
Manifest Number: 006496765JJK
Manifest Type: T
Generator EPA Id: DC9170024310
Generator Date: 07/26/2011
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-433-7182
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 4
Waste Number: D008
Container Number: 1
Container Type: Metal drums, barrels, kegs
Waste Quantity: 35
Unit: Pounds
Handling Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

TSP EPA Id:	Not reported
Date TSP Sig:	Not reported
Year:	2011
Manifest Number:	008982125JJK
Manifest Type:	T
Generator EPA Id:	DC9170024310
Generator Date:	09/19/2011
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	202-433-7182
TSD Epa Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	D009
Container Number:	2
Container Type:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	38
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported
Year:	2011
Manifest Number:	008982378JJK
Manifest Type:	T
Generator EPA Id:	DC9170024310
Generator Date:	12/19/2011
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	202-433-7182
TSD Epa Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	D009
Container Number:	1
Container Type:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	14
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Year: 2011
Manifest Number: 008982125JJK
Manifest Type: T
Generator EPA Id: DC9170024310
Generator Date: 09/19/2011
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-433-7182
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 2
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011
Manifest Number: 008982378JJK
Manifest Type: T
Generator EPA Id: DC9170024310
Generator Date: 12/19/2011
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-433-7182
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 25
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011
Manifest Number: 008982378JJK
Manifest Type: T

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Generator EPA Id: DC9170024310
Generator Date: 12/19/2011
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-433-7182
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 3
Waste Number: D001
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 2
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011
Manifest Number: 006496765JJK
Manifest Type: T
Generator EPA Id: DC9170024310
Generator Date: 07/26/2011
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-433-7182
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 3
Waste Number: D001
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 40
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011
Manifest Number: 008982125JJK
Manifest Type: T
Generator EPA Id: DC9170024310
Generator Date: 09/19/2011
Mailing Address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-433-7182
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 4
Waste Number: NONE
Container Number: 3
Container Type: Metal drums, barrels, kegs
Waste Quantity: 1100
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011
Manifest Number: 008982125JJK
Manifest Type: T
Generator EPA Id: DC9170024310
Generator Date: 09/19/2011
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-433-7182
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 2
Waste Number: D011
Container Number: 2
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 38
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2010
Manifest Number: 006954692JJK
Manifest Type: T
Generator EPA Id: DC9170024310
Generator Date: 11/09/2010
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-433-7182

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D008
Container Number: 1
Container Type: Metal drums, barrels, kegs
Waste Quantity: 100
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2010
Manifest Number: 006499008JJK
Manifest Type: T
Generator EPA Id: DC9170024310
Generator Date: 07/29/2010
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-433-7182
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 4
Waste Number: D002
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 4
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2010
Manifest Number: 006499069JJK
Manifest Type: T
Generator EPA Id: DC9170024310
Generator Date: 08/23/2010
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-433-7182
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

TSD Facility Address: 550 INDUSTRIAL DRIVE
 TSD Facility City: LEWISBERRY
 TSD Facility State: PA
 Facility Telephone: Not reported
 Page Number: 1
 Line Number: 4
 Waste Number: NONE
 Container Number: 3
 Container Type: Fiberboard or plastic drums, barrels, kegs
 Waste Quantity: 75
 Unit: Pounds
 Handling Code: Not reported
 TSP EPA Id: Not reported
 Date TSP Sig: Not reported

Year: 2010
 Manifest Number: 006499069JJK
 Manifest Type: T
 Generator EPA Id: DC9170024310
 Generator Date: 08/23/2010
 Mailing Address: Not reported
 Mailing City, St, Zip: Not reported
 Contact Name: Not reported
 Contact Phone: 202-433-7182
 TSD Epa Id: PAD067098822
 TSD Date: Not reported
 TSD Facility Name: CYCLE CHEM INC
 TSD Facility Address: 550 INDUSTRIAL DRIVE
 TSD Facility City: LEWISBERRY
 TSD Facility State: PA
 Facility Telephone: Not reported
 Page Number: 1
 Line Number: 2
 Waste Number: D001
 Container Number: 1
 Container Type: Fiberboard or plastic drums, barrels, kegs
 Waste Quantity: 50
 Unit: Pounds
 Handling Code: Not reported
 TSP EPA Id: Not reported
 Date TSP Sig: Not reported

[Click this hyperlink](#) while viewing on your computer to access
 56 additional PA MANIFEST: record(s) in the EDR Site Report.

1

< 1/8
 1 ft.

**100 S STREET, SW
 WASHINGTON, DC**

**DC BROWNFIELDS S108931551
 N/A**

**Relative:
 Lower**

BROWNFIELD:
 PB ID: PBF2004-0120
 Ownership: Private
 Size (sf): Not reported
 Phase I: unknown
 Phase II: unknown
 Lot: 0011-0810
 Square: 0602

**Actual:
 19 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S108931551

Latitude/Longitude: 38.8682155 / -77.0121963
Notes: WS: Other

A2 PEPCO BUZZARD - TANK # 1
< 1/8 180 S STREET, SW
1 ft. WASHINGTON, DC

DC LUST S108931574
DC BROWNFIELDS N/A

Site 1 of 3 in cluster A

Relative:
Lower

LUST:
Facility ID: 2-002337
Facility Type: Other
Facility Status: Closed
Product: Gasoline, Diesel
Notification Date: 8/27/1993
Ward: 6
Media Of Contamination: SOIL
Entry Date: 8/27/1993
Lust Number: 93094

Actual:
17 ft.

BROWNFIELD:

PB ID: PBF2003-0034
Ownership: Private
Size (sf): Not reported
Phase I: unknown
Phase II: unknown
Lot: N
Square: 0605?
Latitude/Longitude: 38.92895304 / -76.97906441
Notes: WS: Other

A3 ATTIS
< 1/8 1714 2ND ST SW
1 ft. WASHINGTON, DC 20024

DC UST U002108164
N/A

Site 2 of 3 in cluster A

Relative:
Lower

UST:
Facility ID: 2000084
Facility Description: False
Owner: AT&T COMMUNICATIONS

Tank ID: 1
Tank Status: Permanently Out of Use
Tank Capacity: 3500
Substance: Gasoline

Actual:
17 ft.

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

A4 **AT&T - 1714 2ND ST SW**
1714 2ND STREET, SW
WASHINGTON, DC

DC LUST **S108931573**
DC BROWNFIELDS **N/A**

< 1/8
 1 ft.

Site 3 of 3 in cluster A

Relative:
Lower

LUST:
 Facility ID: 2-000084
 Facility Type: Other
 Facility Status: Closed
 Product: Gasoline
 Notification Date: 7/1/1992
 Ward: 6
 Media Of Contamination: Soil/GW
 Entry Date: 7/1/1992
 Lust Number: 92076

Actual:
17 ft.

BROWNFIELD:
 PB ID: PBF2003-0008
 Ownership: Private
 Size (sf): 25,612
 Phase I: unknown
 Phase II: unknown
 Lot: 0007
 Square: 0605
 Latitude/Longitude: 38.86822262 / -77.01359292
 Notes: WS: Other

B5 **HOME MOVING & STORAGE**
1812 HALF ST., SW
WASHINGTON, DC

DC LUST **S105029670**
N/A

< 1/8
 1 ft.

Site 1 of 3 in cluster B

Relative:
Higher

LUST:
 Facility ID: 2-004505
 Facility Type: Other
 Facility Status: Open
 Product: Gasoline
 Notification Date: 12/6/1994
 Ward: 6
 Media Of Contamination: Soil/GW
 Entry Date: 12/6/1994
 Lust Number: 95015

Actual:
21 ft.

B6 **BORGER MANAGEMENT, INC.**
1812 HALF ST SW
WASHINGTON, DC 20024

DC UST **U003054693**
N/A

< 1/8
 1 ft.

Site 2 of 3 in cluster B

Relative:
Higher

UST:
 Facility ID: 2004505
 Facility Description: False
 Owner: BORGER MANAGEMENT, INC.

 Tank ID: 1
 Tank Status: **Permanently Out of Use**

Actual:
21 ft.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

BORGER MANAGEMENT, INC. (Continued)

U003054693

Tank Capacity: 4000
 Substance: Gasoline

7

**PEPCO
 1ST & T ST SW
 WASHINGTON, DC 20024**

**DC UST U003294414
 N/A**

< 1/8
 1 ft.

**Relative:
 Lower**

UST:
 Facility ID: 2000214
 Facility Description: False
 Owner: POTOMAC ELECTRIC POWER COMPANY.

**Actual:
 18 ft.**

Tank ID: 1
Tank Status: Permanently Out of Use
 Tank Capacity: 6000
 Substance: Diesel

Tank ID: 2
Tank Status: Permanently Out of Use
 Tank Capacity: 6000
 Substance: Diesel

B8

**1824 HALF STREET, SW
 WASHINGTON, DC**

**DC BROWNFIELDS S108931575
 N/A**

< 1/8
 1 ft.

Site 3 of 3 in cluster B

**Relative:
 Higher**

BROWNFIELD:
 PB ID: PBF2003-0015
 Ownership: Private
 Size (sf): Not reported
 Phase I: unknown
 Phase II: unknown
 Lot: 0001
 Square: 0664
 Latitude/Longitude: 38.91337093 / -76.98594752
 Notes: WS: Other

**Actual:
 21 ft.**

C9

**SUPER SALVAGE, INC.
 1711 1ST STREET., SW
 WASHINGTON, DC**

**DC LUST S102834829
 N/A**

< 1/8
 1 ft.

Site 1 of 4 in cluster C

**Relative:
 Higher**

LUST:
 Facility ID: 2-003504
 Facility Type: Other
 Facility Status: Closed
 Product: Gasoline
 Notification Date: 10/13/1995
 Ward: 6
 Media Of Contamination: SOIL

**Actual:
 22 ft.**

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SUPER SALVAGE, INC. (Continued)

S102834829

Entry Date: 10/13/1995
 Lust Number: 96030

C10
 < 1/8
 1 ft.

SUPER SALVAGE INC.
1711 1ST ST SW
WASHINGTON, DC 20024

DC UST **U003054563**
N/A

Site 2 of 4 in cluster C

Relative:
Higher

Actual:
22 ft.

UST:
 Facility ID: 2003504
 Facility Description: False
 Owner: SUPER SALVAGE INC.

 Tank ID: 1
Tank Status: Permanently Out of Use
 Tank Capacity: 2000
 Substance: Gasoline

C11
 < 1/8
 1 ft.

1700 1ST STREET, SW
WASHINGTON, DC

DC BROWNFIELDS **S108931572**
N/A

Site 3 of 4 in cluster C

Relative:
Higher

Actual:
22 ft.

BROWNFIELD:
 PB ID: PBF2003-0026
 Ownership: Private
 Size (sf): Not reported
 Phase I: unknown
 Phase II: unknown
 Lot: 0605
 Square: Unknown
 Latitude/Longitude: 38.91226503 / -76.9818002
 Notes: WS: Other

C12
 < 1/8
 1 ft.

SUPER SALVAGE INC
1711 FIRST STREET SW
WASHINGTON, DC 20024

RCRA-CESQG **1001023400**
DCR000000208

Site 4 of 4 in cluster C

Relative:
Higher

Actual:
22 ft.

RCRA-CESQG:
 Date form received by agency: 02/10/2010
 Facility name: SUPER SALVAGE INC
 Facility address: 1711 FIRST STREET SW
 WASHINGTON, DC 20024
 EPA ID: DCR000000208
 Mailing address: FIRST STREET SW
 WASHINGTON, DC 20024
 Contact: STEPHEN MIDDLETHON
 Contact address: FIRST STREET SW
 WASHINGTON, DC 20024
 Contact country: US
 Contact telephone: 202-488-7157

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUPER SALVAGE INC (Continued)

1001023400

Contact email: SCRAPBOY@NETZERO.NET
EPA Region: 03
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: KAPLAN ROBERT
Owner/operator address: 3226 LUNHAM DR
SILVER SPRING, MD 20906
Owner/operator country: Not reported
Owner/operator telephone: (301) 598-7267
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: KAPLAN ROBERT
Owner/operator address: LUNHAM DR
SILVER SPRING, MD 20906
Owner/operator country: US
Owner/operator telephone: 301-598-7267
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2010
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUPER SALVAGE INC (Continued)

1001023400

Historical Generators:

Date form received by agency: 02/03/2000
Facility name: SUPER SALVAGE INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 05/31/1995
Facility name: SUPER SALVAGE INC
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSLEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D006
Waste name: CADMIUM

Waste code: D008
Waste name: LEAD

Waste code: D018
Waste name: BENZENE

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 02/22/2012
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/01/2011
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/22/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUPER SALVAGE INC (Continued)

1001023400

Evaluation lead agency: State

Evaluation date: 12/22/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/23/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

**D13
NNE
< 1/8
0.027 mi.
140 ft.**

**METRO BUILDING SUPPLY
50 Q STREET, SW
WASHINGTON, DC**

**DC LUST S102835013
N/A**

Site 1 of 5 in cluster D

**Relative:
Higher**

LUST:
Facility ID: 2-000575
Facility Type: Other
Facility Status: NFA
Product: Gasoline
Notification Date: 6/28/1991
Ward: 6
Media Of Contamination: Soil/GW
Entry Date: 6/28/1991
Lust Number: 91045

**Actual:
25 ft.**

**D14
NNE
< 1/8
0.027 mi.
140 ft.**

**METRO BUILDING SUPPLY CO.
50 Q ST SW
WASHINGTON, DC 20024**

**DC UST U002108276
N/A**

Site 2 of 5 in cluster D

**Relative:
Higher**

UST:
Facility ID: 2000575
Facility Description: False
Owner: METRO BUILDING SUPPLY, CO

**Actual:
25 ft.**

Tank ID: 1
Tank Status: Permanently Out of Use
Tank Capacity: 4000
Substance: Diesel

Tank ID: 2
Tank Status: Permanently Out of Use
Tank Capacity: 4000
Substance: Diesel

Tank ID: 3
Tank Status: Permanently Out of Use
Tank Capacity: 2000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

METRO BUILDING SUPPLY CO. (Continued)

U002108276

Substance: Gasoline

D15
NNE
< 1/8
0.032 mi.
168 ft.

USA MOTORS INC
45 Q STREET SW
WASHINGTON, DC 20024

RCRA-CESQG 1004681868
NJ MANIFEST DCR000500017

Site 3 of 5 in cluster D

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 07/25/2011

Facility name: USA MOTORS INC

Facility address: 45 Q STREET SW
WASHINGTON, DC 20024

EPA ID: DCR000500017

Mailing address: Q STREET SW
WASHINGTON, DC 20024

Contact: BALWINDER SINGH

Contact address: Q STREET SW
WASHINGTON, DC 20024

Contact country: US

Contact telephone: (202) 484-4155

Contact email: Not reported

EPA Region: 03

Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: SINGH, BALWINDER
Owner/operator address: 1439 FISHERS MILL COURT
HERNDON, VA 20170

Owner/operator country: US
Owner/operator telephone: (703) 450-9667

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 11/01/2000

Owner/Op end date: Not reported

Owner/operator name: SINGH, BALWINDER
Owner/operator address: 1439 FISHERS MILL COURT
HERNDON, VA 20170

Owner/operator country: US
Owner/operator telephone: (703) 450-9667

Legal status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA MOTORS INC (Continued)

1004681868

Owner/Operator Type: Operator
Owner/Op start date: 11/01/2000
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 11/07/2000
Facility name: USA MOTORS INC
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 03/30/2012
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/01/2011

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA MOTORS INC (Continued)

1004681868

Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/29/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

NJ MANIFEST:

Manifest Code: NJA5224187
EPA ID: DCR000500017
Date Shipped: 01/19/2005
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 01/19/2005
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 01/26/2005
Transporter 1 Decal: Not reported
Transporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 03030521
Reference Manifest Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA MOTORS INC (Continued)

1004681868

Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5070813
EPA ID: DCR000500017
Date Shipped: 03/17/2005
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 03/17/2005
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 03/21/2005
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 05110521
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA MOTORS INC (Continued)

1004681868

Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5213719
EPA ID: DCR000500017
Date Shipped: 05/19/2005
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 05/19/2005
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 05/23/2005
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 06240521
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA MOTORS INC (Continued)

1004681868

Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5068396
EPA ID: DCR000500017
Date Shipped: 07/06/2005
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 07/06/2005
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 07/12/2005
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 08100521
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA MOTORS INC (Continued)

1004681868

Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5068142
EPA ID: DCR000500017
Date Shipped: 09/12/2005
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 09/12/2005
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 09/20/2005
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 10280521
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA MOTORS INC (Continued)

1004681868

Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5250985
EPA ID: DCR000500017
Date Shipped: 10/26/2005
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 10/26/2005
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 11/03/2005
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 12140535
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA MOTORS INC (Continued)

1004681868

Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5255704
EPA ID: DCR000500017
Date Shipped: 12/16/2005
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 12/16/2005
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 12/22/2005
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 02170622
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA MOTORS INC (Continued)

1004681868

Hand Code: Not reported

Manifest Code: 002090700SKS
EPA ID: DCR000500017
Date Shipped: 08/26/2009
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 08/26/2009
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 09/01/2009
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: D039
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 14
Unit: G
Hand Code: H020

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA MOTORS INC (Continued)

1004681868

Manifest Code: NJA5096032
EPA ID: DCR000500017
Date Shipped: 01/02/2004
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 01/02/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 01/14/2004
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 03120421
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5117455

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA MOTORS INC (Continued)

1004681868

EPA ID: DCR000500017
Date Shipped: 02/17/2004
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 02/17/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 02/27/2004
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 03300422
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5094874
EPA ID: DCR000500017

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA MOTORS INC (Continued)

1004681868

Date Shipped: 04/20/2004
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 04/20/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 04/26/2004
Transporter 1 Decal: Not reported
Transporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 05110421
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5039563
EPA ID: DCR000500017
Date Shipped: 06/14/2004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA MOTORS INC (Continued)

1004681868

TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 06/14/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 06/16/2004
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 06250421
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5070147
EPA ID: DCR000500017
Date Shipped: 08/03/2004
TSDF EPA ID: NJD002182897

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA MOTORS INC (Continued)

1004681868

Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 08/03/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 08/06/2004
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 08300425
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5071346
EPA ID: DCR000500017
Date Shipped: 10/01/2004
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA MOTORS INC (Continued)

1004681868

Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 10/01/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 10/07/2004
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 11030425
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5072111
EPA ID: DCR000500017
Date Shipped: 11/19/2004
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA MOTORS INC (Continued)

1004681868

Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 11/19/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 11/24/2004
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 01050525
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: 001848711SKS
EPA ID: DCR000500017
Date Shipped: 02/12/2010
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA MOTORS INC (Continued)

1004681868

Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	02/12/2010
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	02/18/2010
Transporter 1 Decal:	Not reported
Transporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejectedd (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D039
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	15
Unit:	G
Hand Code:	H020
Manifest Code:	003648596FLE
EPA ID:	DCR000500017
Date Shipped:	1/26/2011
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	NJD071629976
Transporter 3 EPA ID:	TXR000050930
Transporter 4 EPA ID:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA MOTORS INC (Continued)

1004681868

Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: Not reported
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: Not reported
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: USA MOTORS INC
Transporter-1 EPA Facility Name: SAFETY KLEEN SYSTEMS INC
Transporter-2 EPA Facility Name: SJ TRANSPORTATION COMPANY
Transporter-3 EPA Facility Name: SAFETY KLEEN SYSTEMS INC
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: SAFETY KLEEN SYSTEMS INC
QTY Units: gallons
Transporter SEQ ID: 1.00
Transporter-1 Date: 1/26/2011
Waste SEQ ID: 1.00
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: 2/3/2011
Manifest Discrepancy Type: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): Not reported
Reason Load Was Rejected: Not reported
Waste Code: D039
Manifest Year: 2011 New Jersey Manifest Data
Quantity: 14.00
Unit: gallons
Hand Code: H020

Manifest Code: 001600365SKS
EPA ID: DCR000500017
Date Shipped: 03/12/2009
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA MOTORS INC (Continued)

1004681868

Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/12/2009
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	03/16/2009
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejectedd (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D039
Manifest Year:	2009 New Jersey Manifest Data
Quantity:	29
Unit:	G
Hand Code:	H020
Manifest Code:	000266120CEX
EPA ID:	DCR000500017
Date Shipped:	10/22/2009
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

USA MOTORS INC (Continued)

1004681868

Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 10/22/2009
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 10/28/2009
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: D039
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 15
Unit: G
Hand Code: H020

Manifest Code: 001910737SKS
EPA ID: DCR000500017
Date Shipped: 05/08/2009
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

USA MOTORS INC (Continued)

1004681868

Transporter 8 EPA ID: Not reported
 Transporter 10 EPA ID: Not reported
 Date Trans1 Transported Waste: 05/08/2009
 Date Trans2 Transported Waste: Not reported
 Date Trans3 Transported Waste: Not reported
 Date Trans4 Transported Waste: Not reported
 Date Trans5 Transported Waste: Not reported
 Date Trans6 Transported Waste: Not reported
 Date Trans7 Transported Waste: Not reported
 Date Trans8 Transported Waste: Not reported
 Date Trans9 Transported Waste: Not reported
 Date Trans10 Transported Waste: Not reported
 Date TSDf Received Waste: 05/11/2009
 Tranporter 1 Decal: Not reported
 Tranporter 2 Decal: Not reported
 Generator EPA Facility Name: Not reported
 Transporter-1 EPA Facility Name: Not reported
 Transporter-2 EPA Facility Name: Not reported
 Transporter-3 EPA Facility Name: Not reported
 Transporter-4 EPA Facility Name: Not reported
 Transporter-5 EPA Facility Name: Not reported
 TSDf EPA Facility Name: Not reported
 QTY Units: Not reported
 Transporter SEQ ID: Not reported
 Transporter-1 Date: Not reported
 Waste SEQ ID: Not reported
 Waste Type Code 2: Not reported
 Waste Type Code 3: Not reported
 Waste Type Code 4: Not reported
 Waste Type Code 5: Not reported
 Waste Type Code 6: Not reported
 Date Accepted: Not reported
 Manifest Discrepancy Type: Not reported
 Data Entry Number: Not reported
 Reference Manifest Number: Not reported
 Was Load Rejected (Y/N): No
 Reason Load Was Rejected: Not reported
 Waste Code: D039
 Manifest Year: 2009 New Jersey Manifest Data
 Quantity: 13
 Unit: G
 Hand Code: H020

D16
NNE
< 1/8
0.032 mi.
168 ft.

45 Q ST SW
WASHINGTON, DC 20024

Site 4 of 5 in cluster D

EDR US Hist Auto Stat 1015501451
N/A

Relative:
Higher

EDR Historical Auto Stations:
 Name: USA MOTORS INC
 Year: 2001
 Address: 45 Q ST SW

Actual:
25 ft.

Name: USA MOTORS INC
 Year: 2006

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(Continued)

1015501451

Address: 45 Q ST SW
 Name: USA MOTORS INC
 Year: 2008
 Address: 45 Q ST SW
 Name: USA MOTORS INC
 Year: 2010
 Address: 45 Q ST SW
 Name: USA MOTORS INC
 Year: 2012
 Address: 45 Q ST SW

**E17
 SE
 < 1/8
 0.037 mi.
 196 ft.**

**1900 HALF STREET, SW
 WASHINGTON, DC**

**DC BROWNFIELDS S108931576
 N/A**

Site 1 of 2 in cluster E

**Relative:
 Lower
 Actual:
 11 ft.**

BROWNFIELD:
 PB ID: PBF2003-0071
 Ownership: Private
 Size (sf): 110,988
 Phase I: unknown
 Phase II: unknown
 Lot: 0015
 Square: 0666
 Latitude/Longitude: 38.87650263 / -77.00351471
 Notes: WS: Other

**E18
 SE
 < 1/8
 0.037 mi.
 196 ft.**

**WESTWOOD MANAGEMENT CORPORATION
 1900 HALF ST SW
 WASHINGTON, DC 20024**

**DC LUST U003054158
 DC UST N/A**

Site 2 of 2 in cluster E

**Relative:
 Lower
 Actual:
 11 ft.**

LUST:
 Facility ID: 2-000221
 Facility Type: Other
 Facility Status: Closed
 Product: Heating Oil
 Notification Date: Not reported
 Ward: 6
 Media Of Contamination: Soil
 Entry Date: Not reported
 Lust Number: 95042

UST:
 Facility ID: 2000221
 Facility Description: False
 Owner: WESTWOOD MANAGEMENT CORPORATION
 Tank ID: 1
Tank Status: Permanently Out of Use
 Tank Capacity: 300

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

WESTWOOD MANAGEMENT CORPORATION (Continued)

U003054158

Substance: Diesel

F19
North
< 1/8
0.040 mi.
211 ft.

UNKNOWN
1620 1ST ST SW
WASHINGTON, DC
Site 1 of 5 in cluster F

DC HIST UST **S110337839**
N/A

Relative:
Higher

HIST UST:
 Facility Id: 2003502*001
 Confirm Tank/Owner Address Found: Not reported
 Confirm Tank/No Owner Found: Not reported
 Owner Found/No Tank: Not reported
 No Owner/No Tank: Not reported
 Address Not Found: yes
 Ltr Edc: Not reported
 Tank Status: UNK
 Tank Capacity: Not reported
 Product: unk

Actual:
24 ft.

D20
NE
< 1/8
0.047 mi.
247 ft.

GOLD STAR SERVICES
39 Q STREET SW
WASHINGTON, DC 20024
Site 5 of 5 in cluster D

RCRA-CESQG **1001122928**
FINDS **DCR000000711**
NJ MANIFEST

Relative:
Higher

RCRA-CESQG:
 Date form received by agency: 06/08/2011
 Facility name: GOLD STAR SERVICES
 Facility address: 39 Q STREET SW
 WASHINGTON, DC 20024
 EPA ID: DCR000000711
 Mailing address: Q STREET SW
 WASHINGTON, DC 20024
 Contact: PRITMAN S GHUMAN
 Contact address: Q STREET SW
 WASHINGTON, DC 20024
 Contact country: US
 Contact telephone: 202-484-5555
 Contact email: Not reported
 EPA Region: 03
 Land type: Private
 Classification: Conditionally Exempt Small Quantity Generator
 Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

Actual:
24 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLD STAR SERVICES (Continued)

1001122928

hazardous waste

Owner/Operator Summary:

Owner/operator name: PRITMAN GHUMAN
Owner/operator address: Q STREET SW
WASHINGTON, DC 20024
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/01/1998
Owner/Op end date: Not reported

Owner/operator name: SEREKE NEWAY
Owner/operator address: 39 Q STREET SW
WASHINGTON, DC 20024
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/01/2003
Owner/Op end date: Not reported

Owner/operator name: PRITMAN GHUMAN
Owner/operator address: Q STREET SW
WASHINGTON, DC 20024
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/01/1998
Owner/Op end date: Not reported

Owner/operator name: SODHI JAGJIT SINGH
Owner/operator address: 5612 WOOD TRUSH CT
FAIRFAX, VA 22032
Owner/operator country: Not reported
Owner/operator telephone: (703) 426-0328
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Owner/operator name: GHUMAN INC
Owner/operator address: 39 Q STREET SW
WASHINGTON, DC 20024
Owner/operator country: US
Owner/operator telephone: (202) 484-5555
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/01/2003
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLD STAR SERVICES (Continued)

1001122928

Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 07/13/2009
Facility name: GOLD STAR SERVICES
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/04/2004
Facility name: GOLD STAR SERVICES
Site name: GHUMAN INC.
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 11/29/1996
Facility name: GOLD STAR SERVICES
Site name: SRL AUTO SERVICE INC
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D008
Waste name: LEAD

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:

Regulation violated: SR - 4202.7(e)
Area of violation: Generators - Pre-transport
Date violation determined: 03/26/2003
Date achieved compliance: 12/09/2008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLD STAR SERVICES (Continued)

1001122928

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/07/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 4200.6
Area of violation: Generators - General
Date violation determined: 03/26/1998
Date achieved compliance: 04/24/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/26/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 4200.6(d)
Area of violation: Generators - General
Date violation determined: 03/26/1998
Date achieved compliance: 04/24/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/26/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 06/08/2011
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/26/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 12/09/2008
Evaluation lead agency: State

Evaluation date: 03/26/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/24/1998
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLD STAR SERVICES (Continued)

1001122928

Evaluation date: 01/07/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110002504111

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NJ MANIFEST:

Manifest Code: NJA5068143
EPA ID: DCR000000711
Date Shipped: 09/12/2005
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 09/12/2005
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 09/20/2005
Transporter 1 Decal: Not reported
Transporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLD STAR SERVICES (Continued)

1001122928

Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 10280521
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5085568
EPA ID: DCR000000711
Date Shipped: 05/14/2004
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 05/14/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 05/21/2004
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLD STAR SERVICES (Continued)

1001122928

Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 06070422
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5040675
EPA ID: DCR000000711
Date Shipped: 07/07/2004
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 07/07/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 07/12/2004
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLD STAR SERVICES (Continued)

1001122928

Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 08200421
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5071663
EPA ID: DCR000000711
Date Shipped: 08/16/2004
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 08/16/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 08/24/2004
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLD STAR SERVICES (Continued)

1001122928

Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 09170422
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5071347
EPA ID: DCR000000711
Date Shipped: 10/01/2004
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 10/01/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 10/07/2004
Transporter 1 Decal: Not reported
Transporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLD STAR SERVICES (Continued)

1001122928

Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 11030425
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5069437
EPA ID: DCR000000711
Date Shipped: 11/09/2004
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 11/09/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 11/11/2004
Transporter 1 Decal: Not reported
Transporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLD STAR SERVICES (Continued)

1001122928

Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 01180525
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5224981
EPA ID: DCR000000711
Date Shipped: 12/29/2004
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 12/29/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 01/05/2005
Transporter 1 Decal: Not reported
Transporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLD STAR SERVICES (Continued)

1001122928

Manifest Discrepancy Type: Not reported
Data Entry Number: 01310521
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5070814
EPA ID: DCR000000711
Date Shipped: 03/14/2005
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 03/14/2005
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 03/21/2005
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOLD STAR SERVICES (Continued)

1001122928

Data Entry Number: 05110521
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5225356
EPA ID: DCR000000711
Date Shipped: 06/06/2005
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 06/06/2005
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 06/14/2005
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 07210521

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

GOLD STAR SERVICES (Continued)

1001122928

Reference Manifest Number: Not reported
 Was Load Rejected (Y/N): No
 Reason Load Was Rejected: Not reported
 Waste Code: Not reported
 Manifest Year: Not reported
 Quantity: Not reported
 Unit: Not reported
 Hand Code: Not reported

F21
North
< 1/8
0.049 mi.
261 ft.

UNKNOWN
1615 1ST ST SW
WASHINGTON, DC
Site 2 of 5 in cluster F

DC HIST UST **S110337833**
N/A

Relative:
Higher

HIST UST:
 Facility Id: 2003501*001
 Confirm Tank/Owner Address Found: Not reported
 Confirm Tank/No Owner Found: Not reported
 Owner Found/No Tank: Not reported
 No Owner/No Tank: yes
 Address Not Found: Not reported
 Ltr Edc: Not reported
 Tank Status: UNK
 Tank Capacity: Not reported
 Product: unk

Actual:
24 ft.

F22
NNW
< 1/8
0.069 mi.
365 ft.

AUTO WARD INC.
129 Q STREET SW
WASHINGTON, DC 20024
Site 3 of 5 in cluster F

RCRA-CESQG **1000495676**
FINDS **DCD983969064**
NJ MANIFEST

Relative:
Lower

RCRA-CESQG:
 Date form received by agency: 03/31/2011
 Facility name: AUTO WARD INC.
 Facility address: 129 Q STREET SW
 WASHINGTON, DC 20024
 EPA ID: DCD983969064
 Mailing address: Q STREET SW
 WASHINGTON, DC 20024
 Contact: MUHAMMAD SALEEM
 Contact address: Q STREET SW
 WASHINGTON, DC 20024
 Contact country: US
 Contact telephone: (NON) E G-IVEN
 Contact email: Not reported
 EPA Region: 03
 Land type: Private
 Classification: Conditionally Exempt Small Quantity Generator
 Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous

Actual:
18 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUTO WARD INC. (Continued)

1000495676

waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: TIBER CREEK ASSOCIATES
Owner/operator address: 655 15TH ST NW STE 410
WASHINGTON, DC 20006
Owner/operator country: Not reported
Owner/operator telephone: (202) 639-3813
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MUHAMMAD SALEEM
Owner/operator address: Q STREET
WASHINGTON, DC 20024
Owner/operator country: US
Owner/operator telephone: 202-484-2222
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2000
Owner/Op end date: Not reported

Owner/operator name: MUHAMMAD SALEEM
Owner/operator address: Q STREET
WASHINGTON, DC 20024
Owner/operator country: US
Owner/operator telephone: 202-484-2222
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2000
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUTO WARD INC. (Continued)

1000495676

Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 05/12/2009
Facility name: AUTO WARD INC.
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 08/19/1998
Facility name: AUTO WARD INC.
Site name: SAGA CORPORATION LINCOLN CAB ASSN
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: D036
Waste name: NITROBENZENE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F008
Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Used Oil - Generators
Date violation determined: 12/09/2008
Date achieved compliance: 06/22/2009

Map ID
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AUTO WARD INC. (Continued)

1000495676

Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 12/09/2008
Date achieved compliance: 06/22/2009
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Used Oil - Applicability
Date violation determined: 12/09/2008
Date achieved compliance: 06/22/2009
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 262.41
Area of violation: Generators - Records/Reporting
Date violation determined: 04/04/1994
Date achieved compliance: 05/01/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/04/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 03/01/2011
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported

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AUTO WARD INC. (Continued)

1000495676

Evaluation lead agency: State

Evaluation date: 12/09/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Used Oil - Generators
Date achieved compliance: 06/22/2009
Evaluation lead agency: State

Evaluation date: 12/09/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 06/22/2009
Evaluation lead agency: State

Evaluation date: 12/09/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Used Oil - Applicability
Date achieved compliance: 06/22/2009
Evaluation lead agency: State

Evaluation date: 08/13/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/23/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/16/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/04/1994
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - Records/Reporting
Date achieved compliance: 05/01/1996
Evaluation lead agency: State

Evaluation date: 03/24/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110002502140

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

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EDR ID Number
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AUTO WARD INC. (Continued)

1000495676

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

NJ MANIFEST:

Manifest Code:	001799345SKS
EPA ID:	DCD983969064
Date Shipped:	06/18/2009
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	06/18/2009
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	06/23/2009
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported

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AUTO WARD INC. (Continued)

1000495676

Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: D001
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 5
Unit: G
Hand Code: H020

Manifest Code: 002107476SKS
EPA ID: DCD983969064
Date Shipped: 09/17/2009
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 09/17/2009
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 09/22/2009
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported

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Database(s)

EDR ID Number
EPA ID Number

AUTO WARD INC. (Continued)

1000495676

Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: D001
Manifest Year: 2009 New Jersey Manifest Data
Quantity: 5
Unit: G
Hand Code: H020

Manifest Code: 001196839SKS
EPA ID: DCD983969064
Date Shipped: 04/28/2008
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 04/28/2008
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 05/06/2008
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

AUTO WARD INC. (Continued)

1000495676

Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: D001
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 6
Unit: G
Hand Code: H020

Manifest Code: NJA5069919
EPA ID: DCD983969064
Date Shipped: 02/04/2005
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 02/04/2005
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 02/10/2005
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported

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EDR ID Number
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AUTO WARD INC. (Continued)

1000495676

Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 04130521
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5222034
EPA ID: DCD983969064
Date Shipped: 04/29/2005
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 04/29/2005
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 05/05/2005
Transporter 1 Decal: Not reported
Transporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported

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EDR ID Number
EPA ID Number

AUTO WARD INC. (Continued)

1000495676

Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 06020522
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5068607
EPA ID: DCD983969064
Date Shipped: 07/19/2005
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 07/19/2005
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 07/27/2005
Transporter 1 Decal: Not reported
Transporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported

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EDR ID Number
EPA ID Number

AUTO WARD INC. (Continued)

1000495676

Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 09020521
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5250740
EPA ID: DCD983969064
Date Shipped: 10/11/2005
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 10/11/2005
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 10/18/2005
Transporter 1 Decal: Not reported
Transporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported

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AUTO WARD INC. (Continued)

1000495676

Manifest Discrepancy Type: Not reported
Data Entry Number: 12270521
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: 000339665SKS
EPA ID: DCD983969064
Date Shipped: 06/04/2007
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 06/04/2007
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 06/12/2007
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported

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EDR ID Number
EPA ID Number

AUTO WARD INC. (Continued)

1000495676

Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: D001
Manifest Year: 2007 New Jersey Manifest Data
Quantity: 7
Unit: G
Hand Code: H02

Manifest Code: NJA5036662
EPA ID: DCD983969064
Date Shipped: 03/04/2004
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 03/04/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 03/05/2004
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 04020425

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Database(s)

EDR ID Number
EPA ID Number

AUTO WARD INC. (Continued)

1000495676

Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5039281
EPA ID: DCD983969064
Date Shipped: 05/21/2004
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 05/21/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 05/30/2004
Transporter 1 Decal: Not reported
Transporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 06150421
Reference Manifest Number: Not reported

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Database(s)

EDR ID Number
EPA ID Number

AUTO WARD INC. (Continued)

1000495676

Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5071665
EPA ID: DCD983969064
Date Shipped: 08/16/2004
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 08/16/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 08/24/2004
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 09170422
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUTO WARD INC. (Continued)

1000495676

Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5069439
EPA ID: DCD983969064
Date Shipped: 11/09/2004
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 11/09/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 11/11/2004
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 01180525
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUTO WARD INC. (Continued)

1000495676

Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: 001643717SKS
EPA ID: DCD983969064
Date Shipped: 01/06/2009
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 01/06/2009
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 01/20/2009
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: D001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUTO WARD INC. (Continued)

1000495676

Manifest Year: 2009 New Jersey Manifest Data
Quantity: 6
Unit: G
Hand Code: H020

Manifest Code: NJA5307876
EPA ID: DCD983969064
Date Shipped: 01/05/2006
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 01/05/2006
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 01/10/2006
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 02280622
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUTO WARD INC. (Continued)

1000495676

Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5308459
EPA ID: DCD983969064
Date Shipped: 03/29/2006
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 03/29/2006
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 04/04/2006
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 05310621
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUTO WARD INC. (Continued)

1000495676

Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5256538
EPA ID: DCD983969064
Date Shipped: 06/19/2006
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 06/19/2006
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 06/21/2006
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 08030625
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUTO WARD INC. (Continued)

1000495676

Hand Code: Not reported

Manifest Code: 002303981SKS
EPA ID: DCD983969064
Date Shipped: 06/03/2010
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 06/03/2010
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 06/03/2010
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: D039
Manifest Year: 2010 New Jersey Manifest Data
Quantity: 5
Unit: G
Hand Code: H020

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUTO WARD INC. (Continued)

1000495676

Manifest Code: 001388165SKS
EPA ID: DCD983969064
Date Shipped: 09/03/2008
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 09/03/2008
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 09/08/2008
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: D001
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 4
Unit: G
Hand Code: H020

Manifest Code: 000983507SKS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUTO WARD INC. (Continued)

1000495676

EPA ID: DCD983969064
Date Shipped: 02/14/2008
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 02/14/2008
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 02/18/2008
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: D001
Manifest Year: 2008 New Jersey Manifest Data
Quantity: 11
Unit: G
Hand Code: H020

Manifest Code: 000849335SKS
EPA ID: DCD983969064

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUTO WARD INC. (Continued)

1000495676

Date Shipped: 10/09/2007
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 10/09/2007
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 10/15/2007
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

F23 NNW < 1/8 0.069 mi. 365 ft.	CABCO INC. 129 Q ST SW WASHINGTON, DC 20024 Site 4 of 5 in cluster F	DC UST	U002108191 N/A
---	---	---------------	---------------------------------

Relative: Lower Actual: 18 ft.	UST: Facility ID: 2000170 Facility Description: False Owner: CABCO INC. Tank ID: 1 Tank Status: Temporarily Out of Use Tank Capacity: 4000 Substance: Not Listed Tank ID: 2 Tank Status: Temporarily Out of Use Tank Capacity: 4000 Substance: Not Listed Tank ID: 3 Tank Status: Temporarily Out of Use Tank Capacity: 6000 Substance: Not Listed
---	--

F24 NNW < 1/8 0.069 mi. 365 ft.	129 Q ST SW WASHINGTON, DC 20024 Site 5 of 5 in cluster F	EDR US Hist Auto Stat	1015198835 N/A
---	--	------------------------------	---------------------------------

Relative: Lower Actual: 18 ft.	EDR Historical Auto Stations: Name: LINCOLN CAB AUTO REPAIR Year: 1999 Address: 129 Q ST SW Name: LINCOLN CAB AUTO REPAIR Year: 2000 Address: 129 Q ST SW
---	---

G25 ENE < 1/8 0.072 mi. 380 ft.	STEUART PETROLEUM 1721 S. CAPITOL STREET, SW WASHINGTON, DC Site 1 of 4 in cluster G	DC LUST	S103816900 N/A
---	---	----------------	---------------------------------

Relative: Lower Actual: 15 ft.	LUST: Facility ID: 2-000640 Facility Type: Gas Station Facility Status: Open Product: Gasoline, Heating Oil Notification Date: 9/23/1987 Ward: 6 Media Of Contamination: Soil/GW Entry Date: 9/23/1987
---	--

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEUART PETROLEUM (Continued)

S103816900

Lust Number: 87012

G26
ENE
< 1/8
0.072 mi.
380 ft.

STEUART PETROLEUM COMPANY.
1721 S CAPITOL ST SW
WASHINGTON, DC 20003

DC UST **U003763742**
N/A

Site 2 of 4 in cluster G

Relative:
Lower

UST:
Facility ID: 2000640
Facility Description: False
Owner: STEUART INVESTMENT CO.

Tank ID: 1
Tank Status: Permanently Out of Use
Tank Capacity: 1234934
Substance: Heating Oil

Actual:
15 ft.

G27
ENE
< 1/8
0.072 mi.
380 ft.

STEUART PETRO CO SO CAPITOL TERMINAL
1721 S CAPITOL ST NW
WASHINGTON, DC 20024

RCRA NonGen / NLR **1000424041**
DCD980551022

Site 3 of 4 in cluster G

Relative:
Lower

RCRA NonGen / NLR:
Date form received by agency: 11/14/1980
Facility name: STEUART PETRO CO SO CAPITOL TERMINAL
Facility address: 1721 S CAPITOL ST NW
WASHINGTON, DC 20024
EPA ID: DCD980551022
Mailing address: 4646 40TH ST NW
WASHINGTON, DC 20016
Contact: ANDREW_S_GARBUTT
Contact address: 1721 S CAPITOL ST NW
WASHINGTON, DC 20024
Contact country: US
Contact telephone: (202) 537-8900
Contact email: Not reported
EPA Region: 03
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
15 ft.

Owner/Operator Summary:

Owner/operator name: STEUART INVESTMENT COMPANY
Owner/operator address: OWNERSTREET
OWNERCITY, AK 99999
Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: OPERNAME
Owner/operator address: OPERSTREET

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEUART PETRO CO SO CAPITOL TERMINAL (Continued)

1000424041

OPERCITY, AK 99999
Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D000
Waste name: Not Defined

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:

Regulation violated: SR - 262.41
Area of violation: Generators - Records/Reporting
Date violation determined: 04/04/1994
Date achieved compliance: 04/18/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/04/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 262.41(a)
Area of violation: Generators - Records/Reporting
Date violation determined: 03/06/1992

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STEUART PETRO CO SO CAPITOL TERMINAL (Continued)

1000424041

Date achieved compliance: 03/27/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/06/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 04/04/1994
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - Records/Reporting
Date achieved compliance: 04/18/1994
Evaluation lead agency: State

Evaluation date: 03/06/1992
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - Records/Reporting
Date achieved compliance: 03/27/1992
Evaluation lead agency: State

Evaluation date: 02/20/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

28
East
< 1/8
0.073 mi.
383 ft.

GOOSE BAY AGGREGATE,INC.
2 S ST SW
WASHINGTON, DC 20024

DC UST U002108259
N/A

Relative:
Lower

UST:

Facility ID: 2000503
Facility Description: False
Owner: HOWAT CONCRETE COMPANY,INC.

Actual:
9 ft.

Tank ID: 1
Tank Status: Permanently Out of Use
Tank Capacity: 1000
Substance: Heating Oil

Tank ID: 2
Tank Status: Permanently Out of Use
Tank Capacity: 4000
Substance: Diesel

Tank ID: 3
Tank Status: Permanently Out of Use
Tank Capacity: 4000
Substance: Diesel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOOSE BAY AGGREGATE,INC. (Continued)

U002108259

Tank ID: 4
Tank Status: Permanently Out of Use
Tank Capacity: 4000
Substance: Diesel

H29
NE
< 1/8
0.073 mi.
384 ft.

OPPORTUNITY CONCRETE GARAGE.
1601 S CAPITOL ST SW
WASHINGTON, DC 20024

DC UST U002108295
N/A

Site 1 of 8 in cluster H

Relative:
Higher

UST:
Facility ID: 2000638
Facility Description: False
Owner: STEUART INVESTMENT,COMPANY

Actual:
21 ft.

Tank ID: 1
Tank Status: Permanently Out of Use
Tank Capacity: 1000
Substance: Used Oil

Tank ID: 2
Tank Status: Permanently Out of Use
Tank Capacity: 550
Substance: Used Oil

Tank ID: 3
Tank Status: Permanently Out of Use
Tank Capacity: 3000
Substance: Heating Oil

Tank ID: 4
Tank Status: Permanently Out of Use
Tank Capacity: 25000
Substance: Heating Oil

Tank ID: 5
Tank Status: Permanently Out of Use
Tank Capacity: 2000
Substance: Heating Oil

Tank ID: 6
Tank Status: Permanently Out of Use
Tank Capacity: 3000
Substance: Gasoline

Tank ID: 7
Tank Status: Permanently Out of Use
Tank Capacity: 550
Substance: Not Listed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

H30
NE
< 1/8
0.073 mi.
384 ft.

OPPORTUNITY CONCRETE CORP
1601 S CAPITOL ST SW
WASHINGTON, DC

RCRA NonGen / NLR
FINDS
DC LUST

1000495667
DCD983968975

Site 2 of 8 in cluster H

Relative:
Higher

RCRA NonGen / NLR:

Actual:
21 ft.

Date form received by agency: 02/18/2000
Facility name: OPPORTUNITY CONCRETE CORP
Facility address: 1601 S CAPITOL ST SW
WASHINGTON, DC 200030000
EPA ID: DCD983968975
Contact: JOSEPH J PENTOLINO
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (202) 269-3300
Contact email: Not reported
EPA Region: 03
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: OPPORTUNITY CONCRETE CORP
Owner/operator address: 1601 S CAPITOL ST SW
WASHINGTON, DC 20003
Owner/operator country: Not reported
Owner/operator telephone: (202) 488-4138
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/16/1992
Facility name: OPPORTUNITY CONCRETE CORP
Classification: Not a generator, verified

Hazardous Waste Summary:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OPPORTUNITY CONCRETE CORP (Continued)

1000495667

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Facility Has Received Notices of Violations:

Regulation violated: SR - 262.41
Area of violation: Generators - Records/Reporting
Date violation determined: 04/04/1994
Date achieved compliance: 04/18/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/04/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 07/21/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/04/1994
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - Records/Reporting
Date achieved compliance: 04/18/1994
Evaluation lead agency: State

FINDS:

Registry ID: 110002502051

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OPPORTUNITY CONCRETE CORP (Continued)

1000495667

issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

LUST:

Facility ID: 0-000000
Facility Type: Industrial Former Fuel Termina
Facility Status: Open
Product: Heating Oil, Gasoline, Diesel
Notification Date: 3/21/2013
Ward: 6
Media Of Contamination: Soil/GW
Entry Date: 4/4/2013
Lust Number: 2013006

Facility ID: 2-000638
Facility Type: Other
Facility Status: Closed
Product: Gasoline
Notification Date: 11/30/1993
Ward: 6
Media Of Contamination: SOIL
Entry Date: 11/30/1993
Lust Number: 94012

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

H31 NE < 1/8 0.073 mi. 384 ft.	SOLON AUTOMATED SERVICES 1625 S CAPITOL ST SW WASHINGTON, DC 20003 Site 3 of 8 in cluster H	DC UST	U002109477 N/A
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Relative: Lower	UST: Facility ID: 2004778 Facility Description: False Owner: POTOMAC DEVELOPMENT
Actual: 19 ft.	Tank ID: 1 Tank Status: Permanently Out of Use Tank Capacity: 1000 Substance: Hazardous Substance

H32 NE < 1/8 0.073 mi. 384 ft.	625 SOUTH CAPITOL STREET LLC 1625 SOUTH CAPITOL STREET SOUTHWEST WASHINGTON, DC Site 4 of 8 in cluster H	DC LUST	S113402155 N/A
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Relative: Lower	LUST: Facility ID: -000000 Facility Type: Industrial former fuel termina Facility Status: Open Product: Heating Oil, Gasoline, Diesel Notification Date: 3/28/2013 Ward: 6 Media Of Contamination: Soil/GW Entry Date: 4/4/2013 Lust Number: 2013005
Actual: 19 ft.	

G33 ENE < 1/8 0.073 mi. 388 ft.	PAK-AMERICAN CORPORATION 1625 SOUTH CAPITOL STREET SW WASHINGTON, DC 20024 Site 4 of 4 in cluster G	RCRA-CESQG NJ MANIFEST	1000905832 DC0000444547
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Relative: Lower	RCRA-CESQG: Date form received by agency: 01/31/2012 Facility name: PAK-AMERICAN CORPORATION Facility address: 1625 SOUTH CAPITOL STREET SW WASHINGTON, DC 20024 EPA ID: DC0000444547 Mailing address: L STREET SE WASHINGTON, DC 20024 Contact: IMRAN BUTT Contact address: L STREET SE WASHINGTON, DC 20024 Contact country: US Contact telephone: 202-488-4844 Contact email: Not reported EPA Region: 03 Land type: Private Classification: Conditionally Exempt Small Quantity Generator Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time;
Actual: 12 ft.	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PAK-AMERICAN CORPORATION (Continued)

1000905832

or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: PAK-AMERICAN CORPORATION
Owner/operator address: SOUTH CAPITOL STREET SW
WASHINGTON, DC 20024

Owner/operator country: US
Owner/operator telephone: 202-488-4844
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Owner/operator name: PAK-AMERICAN CORPORATION
Owner/operator address: SOUTH CAPITOL STREET SW
WASHINGTON, DC 20024

Owner/operator country: US
Owner/operator telephone: (202) 488-4844
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/07/2011
Facility name: PAK-AMERICAN CORPORATION
Classification: Conditionally Exempt Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PAK-AMERICAN CORPORATION (Continued)

1000905832

Date form received by agency: 03/20/2000
Facility name: PAK-AMERICAN CORPORATION
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 06/20/1994
Facility name: PAK-AMERICAN CORPORATION
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D006
Waste name: CADMIUM

Waste code: D008
Waste name: LEAD

Waste code: D018
Waste name: BENZENE

Waste code: D027
Waste name: 1,4-DICHLOROBENZENE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 01/22/2013
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/31/2012
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/07/2011
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PAK-AMERICAN CORPORATION (Continued)

1000905832

Evaluation date: 04/12/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/27/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

NJ MANIFEST:

Manifest Code: NJA5213680
EPA ID: DC0000444547
Date Shipped: 04/21/2005
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 04/21/2005
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 04/28/2005
Transporter 1 Decal: Not reported
Transporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 06160525

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PAK-AMERICAN CORPORATION (Continued)

1000905832

Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5223389
EPA ID: DC0000444547
Date Shipped: 07/13/2005
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 07/13/2005
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 07/20/2005
Transporter 1 Decal: Not reported
Transporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 08240521
Reference Manifest Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PAK-AMERICAN CORPORATION (Continued)

1000905832

Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

I34
South
< 1/8
0.077 mi.
409 ft.

PEPCO BUZZARD POINT GENERATING STATION
1ST & V STREETS SW
WASHINGTON, DC 20024
Site 1 of 4 in cluster I

RCRA-CESQG **1004681879**
DCR000500140

Relative:
Lower

RCRA-CESQG:

Date form received by agency: 02/26/2009
Facility name: PEPCO BUZZARD POINT GENERATING STATION
Facility address: 1ST & V STREETS SW
WASHINGTON, DC 20024

Actual:
15 ft.

EPA ID: DCR000500140
Contact: SHIRLEY HARMON
Contact address: NORTH 17TH STREET SUITE 1600
ARLINGTON, VA 22209
Contact country: US
Contact telephone: (703) 253-1799
Contact email: SHARMON@PEPCOENERGY.COM
EPA Region: 03
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: POTOMAC POWER RESOURCE, LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/15/2000
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEPCO BUZZARD POINT GENERATING STATION (Continued)

1004681879

Owner/operator name: POTOMAC POWER RESOURCE, LLC
Owner/operator address: Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/15/2000
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 02/26/2002
Facility name: PEPCO BUZZARD POINT GENERATING STATION
Site name: PPR BUZZARD POINT
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/15/2001
Facility name: PEPCO BUZZARD POINT GENERATING STATION
Site name: PPR BUZZARD POINT GEN STATION
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEPCO BUZZARD POINT GENERATING STATION (Continued)

1004681879

Waste code: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 03/01/2012
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/27/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

**I35
South
< 1/8
0.077 mi.
409 ft.**

**PEPCO BUZZARD PT GENERATING ST
1ST V STS SW
WASHINGTON, DC 20068**

**RCRA-CESQG 1000175304
RAATS DCD000819508
DC UST**

Site 2 of 4 in cluster I

**Relative:
Lower**

RCRA-CESQG:

Date form received by agency: 02/26/2010
Facility name: PEPCO BUZZARD POINT FACILITY
Facility address: 1ST & V STREETS SW
WASHINGTON, DC 200240000
EPA ID: DCD000819508
Mailing address: NINTH STREET NW
WASHINGTON, DC 200680000
Contact: GHIRMAY BEHRE
Contact address: NINTH STREET NW
WASHINGTON, DC 200680000
Contact country: US
Contact telephone: (202) 331-6197
Contact email: GBERHE@PEPCO.COM
EPA Region: 03
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

**Actual:
15 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEPCO BUZZARD PT GENERATING ST (Continued)

1000175304

Owner/Operator Summary:

Owner/operator name: POTOMAC ELECTRIC POWER COMPANY
Owner/operator address: 701 NINTH STREET NW
WASHINGTON, DC 20068
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1900
Owner/Op end date: Not reported

Owner/operator name: PEPCO
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1900
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 05/09/2008
Facility name: PEPCO BUZZARD POINT FACILITY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 03/01/2004
Facility name: PEPCO BUZZARD POINT FACILITY
Site name: PEPCO BUZZARD POINT GENERATING STATION
Classification: Large Quantity Generator

Date form received by agency: 02/28/2002
Facility name: PEPCO BUZZARD POINT FACILITY
Site name: PEPCO BUZZARD POINT GENERATING STATION
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/15/2001
Facility name: PEPCO BUZZARD POINT FACILITY
Classification: Large Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEPCO BUZZARD PT GENERATING ST (Continued)

1000175304

Date form received by agency: 02/14/2001
Facility name: PEPCO BUZZARD POINT FACILITY
Classification: Large Quantity Generator

Date form received by agency: 02/22/2000
Facility name: PEPCO BUZZARD POINT FACILITY
Site name: PEPCO BUZZARD POINT GENERATING STATION
Classification: Large Quantity Generator

Date form received by agency: 02/20/1998
Facility name: PEPCO BUZZARD POINT FACILITY
Site name: PEPCO BUZZARD POINT GENERATING STATION
Classification: Large Quantity Generator

Date form received by agency: 11/19/1980
Facility name: PEPCO BUZZARD POINT FACILITY
Classification: Not a generator, verified

Date form received by agency: 08/18/1980
Facility name: PEPCO BUZZARD POINT FACILITY
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D006
Waste name: CADMIUM

Waste code: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 03/01/2012
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/04/2011
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/27/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/27/1991
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEPCO BUZZARD PT GENERATING ST (Continued)

1000175304

Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 02/08/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

UST:

Facility ID: 2000609
Facility Description: False
Owner: PEPCO ENERGY SERVICES INC

Tank ID: 1
Tank Status: Permanently Out of Use
Tank Capacity: 2000
Substance: Used Oil

Tank ID: 2
Tank Status: Permanently Out of Use
Tank Capacity: 2000
Substance: Used Oil

Tank ID: 3
Tank Status: Permanently Out of Use
Tank Capacity: 2000
Substance: Used Oil

Tank ID: 4
Tank Status: Permanently Out of Use
Tank Capacity: 2000
Substance: Used Oil

Tank ID: 5
Tank Status: Permanently Out of Use
Tank Capacity: 10000
Substance: Heating Oil

Tank ID: 6
Tank Status: Permanently Out of Use
Tank Capacity: 10000
Substance: Heating Oil

Tank ID: 7
Tank Status: Permanently Out of Use
Tank Capacity: 2000
Substance: Gasoline

Tank ID: 8
Tank Status: Permanently Out of Use

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PEPCO BUZZARD PT GENERATING ST (Continued)

1000175304

Tank Capacity: 500
 Substance: Hazardous Substance

Tank ID: 9
Tank Status: Permanently Out of Use
 Tank Capacity: 4000
 Substance: Diesel

Tank ID: 10
Tank Status: Permanently Out of Use
 Tank Capacity: 4000
 Substance: Diesel

I36
 South
 < 1/8
 0.077 mi.
 409 ft.

BUZZARD POINT FACILITY
180 S ST SW
WASHINGTON, DC 20024

DC UST U003054341
N/A

Site 3 of 4 in cluster I

Relative:
Lower

UST:
 Facility ID: 2002337
 Facility Description: False
 Owner: POTOMAC ELECTRIC POWER COMPANY.

Actual:
15 ft.

Tank ID: 1
Tank Status: Permanently Out of Use
 Tank Capacity: 6000
 Substance: Gasoline

Tank ID: 2
Tank Status: Permanently Out of Use
 Tank Capacity: 6000
 Substance: Gasoline

Tank ID: 3
Tank Status: Permanently Out of Use
 Tank Capacity: 20000
 Substance: Gasoline

I37
 South
 < 1/8
 0.077 mi.
 409 ft.

PEPCO - BUZZARD POINT
33 V STREET, SW
WASHINGTON, DC

DC LUST S107520980
N/A

Site 4 of 4 in cluster I

Relative:
Lower

LUST:
 Facility ID: 2-000609
 Facility Type: Other
 Facility Status: Closed
 Product: Gasoline, Diesel, Heating Oil
 Notification Date: 8/29/1991
 Ward: 6

Actual:
15 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEPCO - BUZZARD POINT (Continued)

S107520980

Media Of Contamination: Soil
Entry Date: 8/29/1991
Lust Number: 91071

Facility ID: 2-000609
Facility Type: Other
Facility Status: Closed
Product: Waste Oil
Notification Date: 7/31/1992
Ward: 6
Media Of Contamination: Soil/GW
Entry Date: 7/31/1992
Lust Number: 92083

Facility ID: 2-000609
Facility Type: Other
Facility Status: NFA-DCRBCA
Product: Gasoline, Diesel
Notification Date: 1/29/1993
Ward: 6
Media Of Contamination: Soil/GW
Entry Date: 1/29/1993
Lust Number: 93051

Facility ID: 2-000609
Facility Type: Other
Facility Status: Closed
Product: Waste Oil
Notification Date: 10/13/1993
Ward: 6
Media Of Contamination: SOIL
Entry Date: 10/13/1993
Lust Number: 94005

H38
NE
< 1/8
0.094 mi.
496 ft.

FEDDERLINE.
1724 S CAPITOL ST SW
WASHINGTON, DC 20003
Site 5 of 8 in cluster H

DC UST **U003763743**
N/A

Relative:
Higher
Actual:
23 ft.

UST:
Facility ID: 2000663
Facility Description: False
Owner: STEUART INVESTMENT CO.

Tank ID: 1
Tank Status: Permanently Out of Use
Tank Capacity: 4000
Substance: Diesel

Tank ID: 2
Tank Status: Permanently Out of Use
Tank Capacity: 4000
Substance: Gasoline

Tank ID: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FEDDERLINE. (Continued)

U003763743

Tank ID: **Tank Status:** Permanently Out of Use
Tank Capacity: 4000
Substance: Gasoline

Tank ID: 4
Tank Status: Permanently Out of Use
Tank Capacity: 4000
Substance: Gasoline

Tank ID: 5
Tank Status: Permanently Out of Use
Tank Capacity: 4000
Substance: Used Oil

Tank ID: 6
Tank Status: Permanently Out of Use
Tank Capacity: 4000
Substance: Used Oil

Tank ID: 7
Tank Status: Permanently Out of Use
Tank Capacity: 4000
Substance: Used Oil

Tank ID: 8
Tank Status: Permanently Out of Use
Tank Capacity: 4000
Substance: Used Oil

Tank ID: 9
Tank Status: Permanently Out of Use
Tank Capacity: 4000
Substance: Used Oil

Tank ID: 10
Tank Status: Permanently Out of Use
Tank Capacity: 4000
Substance: Used Oil

Tank ID: 11
Tank Status: Permanently Out of Use
Tank Capacity: 4000
Substance: Used Oil

Tank ID: 12
Tank Status: Permanently Out of Use
Tank Capacity: 4000
Substance: Used Oil

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FEDDERLINE. (Continued)

U003763743

Tank ID: 13
Tank Status: **Permanently Out of Use**
Tank Capacity: 4000
Substance: Used Oil

Tank ID: 14
Tank Status: **Permanently Out of Use**
Tank Capacity: 4000
Substance: Used Oil

H39
NE
< 1/8
0.094 mi.
496 ft.

1724 SOUTH CAPITOL ST SE
WASHINGTON, DC

DC BROWNFIELDS S108276627
N/A

Site 6 of 8 in cluster H

Relative:
Higher

BROWNFIELD:
PB ID: PBF2004-0190
Ownership: OPM
Size (sf): 42,208
Phase I: unknown
Phase II: unknown
Lot: 0004
Square: 708
Latitude/Longitude: 38.876746 / -77.008537
Notes: Not reported

Actual:
23 ft.

H40
NE
< 1/8
0.094 mi.
496 ft.

GULF OIL CORP (BULK PLANT)
1724 S CAPITOL ST SE
WASHINGTON, DC

EDR US Hist Auto Stat 1009001835
N/A

Site 7 of 8 in cluster H

Relative:
Higher

EDR Historical Auto Stations:
Name: GULF OIL CORP OFC
Year: 1943
Type: GASOLINE AND OIL SERVICE STATIONS

Name: GULF OIL CORP (BULK PLANT)
Year: 1948
Type: GASOLINE AND OIL SERVICE STATIONS

Name: GULF OIL CORP BULK PLANT
Year: 1954
Type: GASOLINE STATIONS

Actual:
23 ft.

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

H41
NE
< 1/8
0.094 mi.
496 ft.

STEUART INVESTMENT CO.
1724 S. CAPITOL ST, SE
WASHINGTON, DC

Site 8 of 8 in cluster H

DC LUST **S102834832**
N/A

Relative:
Higher

LUST:
Facility ID: 2-000663
Facility Type: Other
Facility Status: Closed
Product: M
Notification Date: 6/2/1997
Ward: 6
Media Of Contamination: Soil/GW
Entry Date: 6/2/1997
Lust Number: 97070

Actual:
23 ft.

J42
NE
< 1/8
0.094 mi.
497 ft.

1505 S CAPITOL ST SW
WASHINGTON, DC 20003

Site 1 of 11 in cluster J

EDR US Hist Auto Stat **1015239120**
N/A

Relative:
Higher

EDR Historical Auto Stations:

Name:	AUTOMOTIVE CARE CTR INC
Year:	2004
Address:	1505 S CAPITOL ST SW
Name:	AUTOMOTIVE CARE CENTER INC
Year:	2005
Address:	1505 S CAPITOL ST SW
Name:	AUTOMOTIVE CARE CENTER INC
Year:	2006
Address:	1505 S CAPITOL ST SW
Name:	AUTOMOTIVE CARE CENTER INC
Year:	2007
Address:	1505 S CAPITOL ST SW
Name:	AUTOMOTIVE CARE CENTER INC
Year:	2008
Address:	1505 S CAPITOL ST SW
Name:	AUTOMOTIVE CARE CENTER INC
Year:	2009
Address:	1505 S CAPITOL ST SW
Name:	AUTOMOTIVE CARE CTR INC
Year:	2010
Address:	1505 S CAPITOL ST SW

Actual:
23 ft.

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

43
NNE
< 1/8
0.104 mi.
547 ft.

UNKNOWN
1513 HALF ST SW
WASHINGTON, DC

DC HIST UST **S110337803**
N/A

Relative:
Higher

HIST UST:
Facility Id: 2003154*001
Confirm Tank/Owner Address Found: yes
Confirm Tank/No Owner Found: Not reported
Owner Found/No Tank: Not reported
No Owner/No Tank: Not reported
Address Not Found: yes
Ltr Edc: Not reported
Tank Status: UNK
Tank Capacity: Not reported
Product: unk

Actual:
30 ft.

K44
North
< 1/8
0.104 mi.
551 ft.

1546 1ST ST SW
WASHINGTON, DC 20024
Site 1 of 2 in cluster K

EDR US Hist Cleaners **1014998268**
N/A

Relative:
Higher

EDR Historical Cleaners:
Name: SHULMANS LAUNDRAMAT
Year: 2004
Address: 1546 1ST ST SW

Actual:
23 ft.

J45
NE
< 1/8
0.108 mi.
568 ft.

1620 SOUTH CAPITOL ST SE
WASHINGTON, DC
Site 2 of 11 in cluster J

DC LUST **S106983188**
DC BROWNFIELDS **N/A**

Relative:
Higher

LUST:
Facility ID: 2-000066
Facility Type: Commercial
Facility Status: Open
Product: Gasoline, Diesel, Heating Oil, Varsol
Notification Date: 6/1/2005
Ward: 6
Media Of Contamination: Soil/GW
Entry Date: 6/1/2005
Lust Number: 2005039

Actual:
24 ft.

BROWNFIELD:
PB ID: PBF2003-0035
Ownership: OPM
Size (sf): 83,333
Phase I: unknown
Phase II: unknown
Lot: 808
Square: 708
Latitude/Longitude: 38.90135059 / -77.03835899
Notes: ODMPED: Redevelopment Initiative

PB ID: PBF2004-0092

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S106983188

Ownership: OPM
Size (sf): 57,630
Phase I: unknown
Phase II: unknown
Lot: 804
Square: 708
Latitude/Longitude: 38.91190842 / -77.00904504
Notes: ODMPED: Redevelopment Initiative

PB ID: PBF2004-0103
Ownership: Private
Size (sf): 83,333+15,881
Phase I: unknown
Phase II: unknown
Lot: 0808-0807-0804
Square: 0708
Latitude/Longitude: 38.91192729 / -77.00904472
Notes: WS: Other

J46
NE
< 1/8
0.108 mi.
568 ft.

AMERADA HESS CORP
1620 SOUTH CAPITOL STREET SE
WASHINGTON, DC 20003

RCRA NonGen / NLR 1000352847
FINDS DCD045493814

Site 3 of 11 in cluster J

Relative:
Higher

RCRA NonGen / NLR:

Actual:
24 ft.

Date form received by agency: 09/19/2011
Facility name: AMERADA HESS CORP
Facility address: 1620 SOUTH CAPITOL STREET SE
WASHINGTON, DC 20003
EPA ID: DCD045493814
Mailing address: SOUTH CAPITOL STREET SE
WASHINGTON, DC 20003
Contact: TOM WHITTAKER
Contact address: SOUTH CAPITOL STREET SE
WASHINGTON, DC 20003
Contact country: US
Contact telephone: (201) 750-6000
Contact email: Not reported
EPA Region: 03
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: AMERADA HESS CORPORATION
Owner/operator address: OWNERSTREET
OWNERCITY, AK 99999
Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: OPERNAME
Owner/operator address: OPERSTREET
OPERCITY, AK 99999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERADA HESS CORP (Continued)

1000352847

Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 08/18/1980
Facility name: AMERADA HESS CORP
Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110002499760

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AMERADA HESS CORP (Continued)

1000352847

discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

**J47
 NE
 < 1/8
 0.108 mi.
 568 ft.**

**AMERADA HESS CORP.
 1620 S CAPITOL ST SE
 WASHINGTON, DC 20003**

**DC UST U002108146
 N/A**

Site 4 of 11 in cluster J

**Relative:
 Higher**

UST:

**Actual:
 24 ft.**

Facility ID: 2000066
 Facility Description: False
 Owner: DOUGLAS DEVELOPMENT

Tank ID: 1
Tank Status: Permanently Out of Use
 Tank Capacity: 420000
 Substance: Heating Oil

Tank ID: 2
Tank Status: Permanently Out of Use
 Tank Capacity: 483000
 Substance: Heating Oil

Tank ID: 3
Tank Status: Permanently Out of Use
 Tank Capacity: 378000
 Substance: Heating Oil

Tank ID: 4
Tank Status: Permanently Out of Use
 Tank Capacity: 25200
 Substance: Heating Oil

Tank ID: 5
Tank Status: Permanently Out of Use
 Tank Capacity: 25200
 Substance: Heating Oil

Tank ID: 6
Tank Status: Permanently Out of Use
 Tank Capacity: 25200
 Substance: Heating Oil

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERADA HESS CORP. (Continued)

U002108146

Tank ID: 7
Tank Status: Permanently Out of Use
Tank Capacity: 25200
Substance: Heating Oil

Tank ID: 8
Tank Status: Permanently Out of Use
Tank Capacity: 25200
Substance: Heating Oil

Tank ID: 9
Tank Status: Permanently Out of Use
Tank Capacity: 25200
Substance: Unknown

Tank ID: 10
Tank Status: Permanently Out of Use
Tank Capacity: 25200
Substance: Heating Oil

Tank ID: 11
Tank Status: Permanently Out of Use
Tank Capacity: 10000
Substance: Heating Oil

Tank ID: 12
Tank Status: Permanently Out of Use
Tank Capacity: 100000
Substance: Heating Oil

Tank ID: 13
Tank Status: Permanently Out of Use
Tank Capacity: 100000
Substance: Heating Oil

Tank ID: 14
Tank Status: Permanently Out of Use
Tank Capacity: 100000
Substance: Heating Oil

Tank ID: 15
Tank Status: Permanently Out of Use
Tank Capacity: 315000
Substance: Heating Oil

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

J48 NE < 1/8 0.112 mi. 594 ft.	ASSOCIATED LAUNDRIES 1507 S CAPITOL ST SE WASHINGTON, DC Site 5 of 11 in cluster J	EDR US Hist Cleaners	1009133302 N/A
--	--	-----------------------------	--------------------------

Relative: Higher	EDR Historical Cleaners: Name: ASSOCIATED LAUNDRIES Year: 1948 Type: LAUNDRIES
Actual: 24 ft.	

K49 North < 1/8 0.117 mi. 620 ft.	LAUNDROMAT 1530 1ST ST SW WASHINGTON, DC 20024 Site 2 of 2 in cluster K	DC LUST DC UST	U003885949 N/A
---	---	---------------------------------	--------------------------

Relative: Higher	LUST: Facility ID: 9-000590 Facility Type: Commercial Facility Status: Closed Product: Heating Oil Notification Date: 11/1/2002 Ward: 6 Media Of Contamination: Soil Entry Date: 11/8/2002 Lust Number: 2003047
Actual: 21 ft.	

UST: Facility ID: 9000590 Facility Description: False Owner: RUBY W LEE LIVING TRUST Tank ID: 1 Tank Status: Permanently Out of Use Tank Capacity: 2000 Substance: Heating Oil
--

J50 NNE < 1/8 0.123 mi. 650 ft.	TRANSMISSION S INC 1509 SOUTH CAPITOL TER SW WASHINGTON, DC Site 6 of 11 in cluster J	EDR US Hist Auto Stat	1009002308 N/A
---	---	------------------------------	--------------------------

Relative: Higher	EDR Historical Auto Stations: Name: TRANSMISSION S INC Year: 1964 Type: AUTOMOBILE REPAIRING
Actual: 25 ft.	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J51
NNE
1/8-1/4
0.126 mi.
667 ft.

SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE
1505 SOUTH CAPITOL STREET SW
WASHINGTON, DC 20024

RCRA-CESQG 1000858623
NJ MANIFEST DCD983971391

Site 7 of 11 in cluster J

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 08/03/2011

Facility name: SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE

Facility address: 1505 SOUTH CAPITOL STREET SW
WASHINGTON, DC 20024

EPA ID: DCD983971391

Mailing address: SOUTH CAPITOL STREET SW
WASHINGTON, DC 20024

Contact: INDERJIT SINGH

Contact address: SOUTH CAPITOL STREET SW
WASHINGTON, DC 20024

Contact country: US

Contact telephone: 202-554-6877

Contact email: Not reported

EPA Region: 03

Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: SINGH TRANSMISSION C/O AUTO CARE CENTRE

Owner/operator address: SOUTH CAPITOL ST SW
WASHINGTON, DC 20024

Owner/operator country: US

Owner/operator telephone: 202-554-6877

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 01/01/2000

Owner/Op end date: Not reported

Owner/operator name: AUTOMOTIVE CARE CENTER INC

Owner/operator address: SOUTH CAPITOL ST SW
WASHINGTON, DC 20024

Owner/operator country: US

Owner/operator telephone: 202-554-6877

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/01/2000

Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)

1000858623

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 09/02/1998
Facility name: SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE
Site name: AUTOMOTIVE CARE CENTER INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/10/1995
Facility name: SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE
Site name: AUTOMOTIVE CARE CENTER INC
Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D009
Waste name: MERCURY

Facility Has Received Notices of Violations:

Regulation violated: SR - 262.41
Area of violation: Generators - Records/Reporting
Date violation determined: 04/04/1994
Date achieved compliance: 06/09/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/04/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)

1000858623

Evaluation Action Summary:

Evaluation date: 08/03/2011
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/06/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/26/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/26/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/04/1994
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - Records/Reporting
Date achieved compliance: 06/09/1994
Evaluation lead agency: State

Evaluation date: 09/17/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

NJ MANIFEST:

Manifest Code: NJA5095756
EPA ID: DCD983971391
Date Shipped: 01/02/2004
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 01/02/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)

1000858623

Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 01/14/2004
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 03120421
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5097058
EPA ID: DCD983971391
Date Shipped: 02/11/2004
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 02/11/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)

1000858623

Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 02/17/2004
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 03220421
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5094875
EPA ID: DCD983971391
Date Shipped: 04/22/2004
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 04/22/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)

1000858623

Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 04/26/2004
Transporter 1 Decal: Not reported
Transporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 05110421
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5039280
EPA ID: DCD983971391
Date Shipped: 06/03/2004
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 06/03/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)

1000858623

Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 06/08/2004
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 06230421
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5071664
EPA ID: DCD983971391
Date Shipped: 08/26/2004
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 08/26/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)

1000858623

Date TSDF Received Waste: 09/01/2004
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 10010422
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5071348
EPA ID: DCD983971391
Date Shipped: 10/01/2004
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 10/01/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 10/07/2004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)

1000858623

Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 11030425
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5069438
EPA ID: DCD983971391
Date Shipped: 11/09/2004
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 11/09/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 11/11/2004
Tranporter 1 Decal: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)

1000858623

Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 01180525
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5224982
EPA ID: DCD983971391
Date Shipped: 12/28/2004
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 12/28/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 01/05/2005
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)

1000858623

Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 01310521
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5069918
EPA ID: DCD983971391
Date Shipped: 02/04/2005
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 02/04/2005
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 02/10/2005
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)

1000858623

Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 04130521
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5070815
EPA ID: DCD983971391
Date Shipped: 03/14/2005
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 03/14/2005
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 03/21/2005
Transporter 1 Decal: Not reported
Transporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)

1000858623

Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 05110521
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5225357
EPA ID: DCD983971391
Date Shipped: 06/06/2005
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 06/06/2005
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 06/14/2005
Transporter 1 Decal: Not reported
Transporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)

1000858623

Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 07210521
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

**L52
NNE
1/8-1/4
0.127 mi.
672 ft.**

**G S A CENTRAL SUPPORT FIELD OFFICE
10 P STREET SW
WASHINGTON, DC**

**RCRA NonGen / NLR 1000101059
FINDS DC8470090020**

Site 1 of 10 in cluster L

**Relative:
Higher**

RCRA NonGen / NLR:

**Actual:
26 ft.**

Date form received by agency: 03/09/2007
Facility name: GSA - CENTRAL SUPPORT FIELD OFFICE
Facility address: 10 P STREET SW
WASHINGTON, DC 20407
EPA ID: DC8470090020
Mailing address: P STREET SW
WASHINGTON, DC 20407
Contact: JOHN DOLLINS
Contact address: P STREET SW
WASHINGTON, DC 20407
Contact country: US
Contact telephone: (202) 755-9459
Contact email: Not reported
EPA Region: 03
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: OPERNAME
Owner/operator address: OPERSTREET
OPERCITY, AK 99999
Owner/operator country: Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G S A CENTRAL SUPPORT FIELD OFFICE (Continued)

1000101059

Owner/operator telephone: (215) 555-1212
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: US GOVERNMENT
Owner/operator address: OWNERSTREET
OWNERCITY, AK 99999

Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 09/28/1987
Facility name: GSA - CENTRAL SUPPORT FIELD OFFICE
Site name: G S A CENTRAL SUPPORT FIELD OFFICE
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D000
Waste name: Not Defined

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G S A CENTRAL SUPPORT FIELD OFFICE (Continued)

1000101059

OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:

Regulation violated: SR - 262.41(a)
Area of violation: Generators - Records/Reporting
Date violation determined: 03/06/1992
Date achieved compliance: 03/25/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/06/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 03/06/1992
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - Records/Reporting
Date achieved compliance: 03/25/1992
Evaluation lead agency: State

Evaluation date: 01/12/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110002498994

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L53
NNE
1/8-1/4
0.127 mi.
672 ft.

LANSBURGH BROTHERS
10 P ST SW
WASHINGTON, DC
Site 2 of 10 in cluster L

DC HIST UST S110337387
N/A

Relative:
Higher

HIST UST:
Facility Id: 0000253*001
Confirm Tank/Owner Address Found:yes
Confirm Tank/No Owner Found: Not reported
Owner Found/No Tank: Not reported
No Owner/No Tank: Not reported
Address Not Found: Not reported
Ltr Edc: yes
Tank Status: POU
Tank Capacity: 1000
Product: Gas

Actual:
26 ft.

Facility Id: 0000253*002
Confirm Tank/Owner Address Found:yes
Confirm Tank/No Owner Found: Not reported
Owner Found/No Tank: Not reported
No Owner/No Tank: Not reported
Address Not Found: Not reported
Ltr Edc: yes
Tank Status: POU
Tank Capacity: 1000
Product: Gas

Facility Id: 0000253*003
Confirm Tank/Owner Address Found:yes
Confirm Tank/No Owner Found: Not reported
Owner Found/No Tank: Not reported
No Owner/No Tank: Not reported
Address Not Found: Not reported
Ltr Edc: yes
Tank Status: POU
Tank Capacity: 1000
Product: Gas

J54
NNE
1/8-1/4
0.127 mi.
672 ft.

WASHINGTON REAL ESTATE INVESTMENT INSURANCE
1501 SOUTH CAPITOL STREET, SW
WASHINGTON, DC
Site 8 of 11 in cluster J

DC LUST S105260082
N/A

Relative:
Higher

LUST:
Facility ID: 2-000210
Facility Type: Commercial
Facility Status: Closed
Product: Gasoline
Notification Date: 11/2/2001
Ward: 6
Media Of Contamination: Soil
Entry Date: 11/8/2001
Lust Number: 2002014

Actual:
25 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J55
NNE
1/8-1/4
0.127 mi.
672 ft.

FIVE SAC SELF-STORAGE
1501 S CAPITOL ST SW10 P ST SW
WASHINGTON, DC 20003

DC UST **U003294411**
N/A

Site 9 of 11 in cluster J

Relative:
Higher

UST:

Facility ID: 2000210
Facility Description: False
Owner: FIVE SAC SELF-STORAGE CORPORATION ET AL

Actual:
25 ft.

Tank ID: 1
Tank Status: Permanently Out of Use
Tank Capacity: 12000
Substance: Heating Oil

Tank ID: 2
Tank Status: Permanently Out of Use
Tank Capacity: 1000
Substance: Gasoline

Tank ID: 3
Tank Status: Permanently Out of Use
Tank Capacity: 1000
Substance: Gasoline

Tank ID: 4
Tank Status: Permanently Out of Use
Tank Capacity: 1000
Substance: Gasoline

J56
NNE
1/8-1/4
0.130 mi.
684 ft.

SERCO MANAGEMENT SERVICES
1501 SOUTH CAPITOL ST SW
WASHINGTON, DC 20024

RCRA NonGen / NLR **1000886515**
FINDS **DC0000266130**

Site 10 of 11 in cluster J

Relative:
Higher

RCRA NonGen / NLR:

Date form received by agency: 08/06/2008
Facility name: SERCO MANAGEMENT SERVICES
Facility address: 1501 SOUTH CAPITOL ST SW
WASHINGTON, DC 20024
EPA ID: DC0000266130
Mailing address: SOUTH CAPITOL ST SW
WASHINGTON, DC 20024
Contact: PAUL GAUTIER
Contact address: SOUTH CAPITOL ST SW
WASHINGTON, DC 20024
Contact country: US
Contact telephone: (202) 863-7770
Contact email: Not reported
EPA Region: 03
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
25 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SERCO MANAGEMENT SERVICES (Continued)

1000886515

Owner/Operator Summary:

Owner/operator name: CSN MANAGEMENT CORP
Owner/operator address: 14000 CONNECTICUT AVE
KENSINGTON, MD 20895
Owner/operator country: Not reported
Owner/operator telephone: (301) 984-9400
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Owner/operator name: CSN MANAGEMENT CORP
Owner/operator address: 14000 CONNECTICUT AVE
KENSINGTON, MD 20895
Owner/operator country: US
Owner/operator telephone: (301) 984-9400
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1901
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/09/2002
Facility name: SERCO MANAGEMENT SERVICES
Classification: Not a generator, verified

Date form received by agency: 10/27/1999
Facility name: SERCO MANAGEMENT SERVICES
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: SR - 4401.23-4401.29
Area of violation: Generators - Records/Reporting
Date violation determined: 02/25/1999
Date achieved compliance: 03/24/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/25/1999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SERCO MANAGEMENT SERVICES (Continued)

1000886515

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 4403
Area of violation: Generators - Records/Reporting
Date violation determined: 02/25/1999
Date achieved compliance: 03/24/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/25/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 4200.6
Area of violation: Generators - General
Date violation determined: 02/25/1999
Date achieved compliance: 03/24/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/25/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 11/01/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/25/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/24/1999
Evaluation lead agency: State

Evaluation date: 02/25/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 03/24/1999
Evaluation lead agency: State

FINDS:

Registry ID: 110002498477

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SERCO MANAGEMENT SERVICES (Continued)

1000886515

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

J57
 NE
 1/8-1/4
 0.130 mi.
 688 ft.

ANACOSTIA READY MIX PLANT
1522 S CAPITOL ST SE
WASHINGTON, DC 20003

DC UST **U003763748**
N/A

Site 11 of 11 in cluster J

Relative:
 Higher

UST:

Facility ID: 2000764
 Facility Description: False
 Owner: GENSTAR STONE PRODUCTS CO

Actual:
 25 ft.

Tank ID: 1
Tank Status: Permanently Out of Use
 Tank Capacity: 15000
 Substance: Diesel

L58
 NNE
 1/8-1/4
 0.147 mi.
 774 ft.

HOWARD S ODORIESS CLEANERS (PLANT)
1347 S CAPITOL ST SE
WASHINGTON, DC

EDR US Hist Cleaners **1009133672**
N/A

Site 3 of 10 in cluster L

Relative:
 Higher

EDR Historical Cleaners:

Name: HOWARD S ODORIESS CLEANERS (PLANT)
 Year: 1936
 Type: CLOTHES PRESSERS AND CLEANERS

Actual:
 25 ft.

L59
 NNE
 1/8-1/4
 0.151 mi.
 795 ft.

BRIDGEWAY MOTORS
1343-45 S CAPITOL ST SE
WASHINGTON, DC

EDR US Hist Auto Stat **1009003409**
N/A

Site 4 of 10 in cluster L

Relative:
 Higher

EDR Historical Auto Stations:

Name: BRIDGEWAY MOTORS
 Year: 1960
 Type: AUTOMOBILE REPAIRING

Actual:
 26 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L60
NNE
1/8-1/4
0.151 mi.
795 ft.

HOWARD S ODORLESS CLEANERS
1343 S CAPITOL ST SE
WASHINGTON, DC

EDR US Hist Cleaners

1009133102
N/A

Site 5 of 10 in cluster L

Relative:
Higher

EDR Historical Cleaners:

Name: HOWARD S ODORLESS CLEANERS
Year: 1931
Type: CLEANERS-GARMENTS CURTAINS AND DRAPERIES

Actual:
26 ft.

Name: HOWARD S ODORLESS CLEANERS INC OFFICE
Year: 1940
Type: CLOTHES PRESSERS AND CLEANERS

L61
NE
1/8-1/4
0.163 mi.
859 ft.

NATIONALS PARK
1500 SOUTH CAPITOL STREET SE
WASHINGTON, DC 20003

RCRA-CESQG

1014388462
DCR000503359

Site 6 of 10 in cluster L

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 12/21/2010
Facility name: NATIONALS PARK
Facility address: 1500 SOUTH CAPITOL STREET SE
WASHINGTON, DC 200031507
EPA ID: DCR000503359
Mailing address: SOUTH CAPITOL STREET SE
WASHINGTON, DC 200031507
Contact: FRANK GAMBINO
Contact address: SOUTH CAPITAL STREET SE
WASHINGTON, DC 200031507
Contact country: US
Contact telephone: 202-640-7000
Contact email: FGAMBINO@LERNER.COM
EPA Region: 03
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Actual:
25 ft.

Owner/Operator Summary:

Owner/operator name: WASHINGTON CONVENTION & SPORTS AUTHORITY
Owner/operator address: MOUNT VERNON PLACE NW
WASHINGTON, DC 20056
Owner/operator country: US
Owner/operator telephone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NATIONALS PARK (Continued)

1014388462

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/08/2008
Owner/Op end date: Not reported

Owner/operator name: WASHINGTON NATIONALS STADIUM LLC
Owner/operator address: SOUTH CAPITAL STREET SE
WASHINGTON, DC 20003

Owner/operator country: US
Owner/operator telephone: Not reported

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/30/2008
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D009
Waste name: MERCURY

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 02/22/2012
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

L62
NE
1/8-1/4
0.163 mi.
859 ft.

BASEBALL STADIUM
1500 SOUTH CAPITOL ST SE
WASHINGTON, DC 20001
Site 7 of 10 in cluster L

DC UST U004051757
N/A

Relative:
Higher

UST:
Facility ID: 9000736
Facility Description: False
Owner: UNKNOWN

Actual:
25 ft.

Tank ID: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BASEBALL STADIUM (Continued)

U004051757

Tank Status: Permanently Out of Use
Tank Capacity: 10000
Substance: Not Listed

Tank ID: 2
Tank Status: Permanently Out of Use
Tank Capacity: 1000
Substance: Unknown

Tank ID: 3
Tank Status: Permanently Out of Use
Tank Capacity: 1000
Substance: Unknown

Tank ID: 4
Tank Status: Permanently Out of Use
Tank Capacity: 500
Substance: Other

Tank ID: 5
Tank Status: Permanently Out of Use
Tank Capacity: 500
Substance: Other

Tank ID: 6
Tank Status: Permanently Out of Use
Tank Capacity: 10000
Substance: Diesel

Tank ID: 7
Tank Status: Permanently Out of Use
Tank Capacity: 10000
Substance: Diesel

Tank ID: 8
Tank Status: Permanently Out of Use
Tank Capacity: 1000
Substance: Unknown

Tank ID: 9
Tank Status: Permanently Out of Use
Tank Capacity: 1000
Substance: Unknown

Tank ID: 10
Tank Status: Permanently Out of Use
Tank Capacity: 10000
Substance: Unknown

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

BASEBALL STADIUM (Continued)

U004051757

Tank ID: 11
Tank Status: Permanently Out of Use
 Tank Capacity: 550
 Substance: Not Listed

Tank ID: 12
Tank Status: Permanently Out of Use
 Tank Capacity: 3000
 Substance: Not Listed

L63
NE
1/8-1/4
0.163 mi.
859 ft.

DC SPORT & ENTERTAINMENT COM
1500 S. CAPITAL ST. S.E
WASHINGTON, DC 20003

DC VCP S107994790
N/A

Site 8 of 10 in cluster L

Relative:
Higher

VCP:
 Facility ID: VCP2006-008
 Square Number: 2, 703,704,705,7065-8,11,15,37-39,53,54,
 Ward: 6
 Zoning Type: Special-Stadium
 Contamination Type: BTEX,TPH. PAH, Metals
 Contamination Media: Soil/GW
 Size: 19.70
 Enrolled Date: 4/6/05
 Cleanup Current Status: Active
 Complete Date: 6/22/10

Actual:
25 ft.

M64
South
1/8-1/4
0.167 mi.
880 ft.

POTOMAC ELECT POWER CO/BUZZARD PT STATIO
1ST & V ST/SW
WASHINGTON, DC 20024

NY MANIFEST S111445484
N/A

Site 1 of 2 in cluster M

Relative:
Lower

NY MANIFEST:
 EPA ID: DCD000819508
 Country: USA
 Mailing Name: POTOMAC ELECT POWER CO/BUZZARD PT STATIO
 Mailing Contact: R E STUDDS
 Mailing Address: 1ST & V STREET SW
 Mailing Address 2: Not reported
 Mailing City: WASHINGTON
 Mailing State: DC
 Mailing Zip: 20024
 Mailing Zip4: Not reported
 Mailing Country: USA
 Mailing Phone: 202-388-2414

Actual:
9 ft.

Document ID: Not reported
 Manifest Status: Not reported
 Trans1 State ID: NJD080631369
 Trans2 State ID: NJD071629976
 Generator Ship Date: 2008-01-22
 Trans1 Recv Date: 2008-01-22

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POTOMAC ELECT POWER CO/BUZZARD PT STATIO (Continued)

S111445484

Trans2 Recv Date: 2008-01-29
TSD Site Recv Date: 2008-02-11
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: DCR000500140
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: Not reported
Quantity: 400.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1.0
Year: 2008
Manifest Tracking Num: 000152567VES
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H132

Document ID: NYB9481347
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: Not reported
Generator Ship Date: 12/03/2001
Trans1 Recv Date: 12/03/2001
Trans2 Recv Date: Not reported
TSD Site Recv Date: 12/11/2001
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: DCR000500140
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSD ID: 321146459
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 00390
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 2001

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD080631369

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POTOMAC ELECT POWER CO/BUZZARD PT STATIO (Continued)

S111445484

Trans2 State ID: NJD071629976
Generator Ship Date: 2008-01-22
Trans1 Recv Date: 2008-01-22
Trans2 Recv Date: 2008-01-29
TSD Site Recv Date: 2008-02-11
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: DCR000500140
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: Not reported
Quantity: 400.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1.0
Year: 2008
Manifest Tracking Num: 000152567VES
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H132

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: NJD071629976
Generator Ship Date: 2008-01-22
Trans1 Recv Date: 2008-01-22
Trans2 Recv Date: 2008-01-29
TSD Site Recv Date: 2008-02-11
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: DCR000500140
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: Not reported
Quantity: 400.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1.0
Year: 2008
Manifest Tracking Num: 000152567VES
Import Ind: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POTOMAC ELECT POWER CO/BUZZARD PT STATIO (Continued)

S111445484

Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H132

EPA ID: DCR000500140
Country: USA
Mailing Name: MIRANT COMPANY
Mailing Contact: VERNON CABLE
Mailing Address: 1 STREET & V STREET
Mailing Address 2: Not reported
Mailing City: WASHINGTON
Mailing State: DC
Mailing Zip: 20024
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: Not reported

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: NJD071629976
Generator Ship Date: 2008-01-22
Trans1 Recv Date: 2008-01-22
Trans2 Recv Date: 2008-01-29
TSD Site Recv Date: 2008-02-11
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: DCR000500140
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: Not reported
Quantity: 400.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1.0
Year: 2008
Manifest Tracking Num: 000152567VES
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POTOMAC ELECT POWER CO/BUZZARD PT STATIO (Continued)

S111445484

Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H132

Document ID: NYB9481347
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: Not reported
Generator Ship Date: 12/03/2001
Trans1 Recv Date: 12/03/2001
Trans2 Recv Date: Not reported
TSD Site Recv Date: 12/11/2001
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: DCR000500140
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSD ID: 321146459
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 00390
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 2001

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: NJD071629976
Generator Ship Date: 2008-01-22
Trans1 Recv Date: 2008-01-22
Trans2 Recv Date: 2008-01-29
TSD Site Recv Date: 2008-02-11
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: DCR000500140
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: Not reported
Quantity: 400.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1.0
Year: 2008
Manifest Tracking Num: 000152567VES
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POTOMAC ELECT POWER CO/BUZZARD PT STATIO (Continued)

S111445484

Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H132

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: NJD071629976
Generator Ship Date: 2008-01-22
Trans1 Recv Date: 2008-01-22
Trans2 Recv Date: 2008-01-29
TSD Site Recv Date: 2008-02-11
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: DCR000500140
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: Not reported
Quantity: 400.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1.0
Year: 2008
Manifest Tracking Num: 000152567VES
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H132

L65
NNE
1/8-1/4
0.167 mi.
881 ft.

CAMPBELL S GARAGE
1327 S CAPITOL ST SE
WASHINGTON, DC

Site 9 of 10 in cluster L

EDR US Hist Auto Stat 1009003453
N/A

Relative:
Higher

EDR Historical Auto Stations:

Name: CAMPBELL S AUTO SERVICE
Year: 1960
Type: AUTOMOBILE REPAIRING

Actual:
28 ft.

Name: CAMPBELL S GARAGE
Year: 1964
Type: AUTOMOBILE REPAIRING

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

M66
 South
 1/8-1/4
 0.168 mi.
 885 ft.

**100 V STREET, SW
 WASHINGTON, DC**
 Site 2 of 2 in cluster M

**DC BROWNFIELDS S108931552
 N/A**

**Relative:
 Lower**

BROWNFIELD:
 PB ID: PBF2003-0082
 Ownership: Private
 Size (sf): Not reported
 Phase I: unknown
 Phase II: unknown
 Lot: N
 Square: Unknown
 Latitude/Longitude: 38.86461519 / -77.01220805
 Notes: WS: Other

N67
 SSW
 1/8-1/4
 0.168 mi.
 886 ft.

**0200 V STREET, SW
 WASHINGTON, DC**
 Site 1 of 4 in cluster N

**DC BROWNFIELDS S108931543
 N/A**

**Relative:
 Lower**

BROWNFIELD:
 PB ID: PBF2003-0081
 Ownership: Private
 Size (sf): 16000
 Phase I: unknown
 Phase II: unknown
 Lot: 0001
 Square: 0612
 Latitude/Longitude: 38.86462529 / -77.01320834
 Notes: WS: Other

N68
 SSW
 1/8-1/4
 0.168 mi.
 886 ft.

**NPS - JAMES CREEK MARINA
 200 V STREET, SW
 WASHINGTON, DC**
 Site 2 of 4 in cluster N

**DC LUST S104918563
 N/A**

**Relative:
 Lower**

LUST:
 Facility ID: 2-000028
 Facility Type: Federal
 Facility Status: Closed
 Product: Gasoline, Diesel
 Notification Date: 9/17/1992
 Ward: 6
 Media Of Contamination: Soil/GW
 Entry Date: 9/17/1992
 Lust Number: 92093

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

N69
SSW
1/8-1/4
0.168 mi.
886 ft.

JAMES CREEK MARINA
200 V ST SW
WASHINGTON, DC 20024

DC UST **U002108109**
N/A

Site 3 of 4 in cluster N

Relative:
Lower

UST:
Facility ID: 2000028
Facility Description: False
Owner: NATIONAL CAPITAL PARKS EAST

Actual:
9 ft.

Tank ID: 1
Tank Status: Permanently Out of Use
Tank Capacity: 2000
Substance: Gasoline

Tank ID: 2
Tank Status: Currently in Use
Tank Capacity: 10000
Substance: Gasoline

Tank ID: 3
Tank Status: Currently in Use
Tank Capacity: 10000
Substance: Diesel

N70
SSW
1/8-1/4
0.169 mi.
892 ft.

US COAST GUARD HSC-K
2100 SECOND STREET SW
WASHINGTON, DC 20593

RCRA-SQG **1009216733**
PA MANIFEST **DCR000500629**

Site 4 of 4 in cluster N

Relative:
Lower

RCRA-SQG:
Date form received by agency: 01/26/2006
Facility name: US COAST GUARD HSC-K
Facility address: 2100 SECOND STREET SW
ROOM 732
WASHINGTON, DC 20593
EPA ID: DCR000500629
Mailing address: SECOND STREET SW
ROOM 732
WASHINGTON, DC 20593
Contact: PATRICIA A GOLDEN
Contact address: SECOND STREET SW ROOM 732
WASHINGTON, DC 20593
Contact country: US
Contact telephone: 202-267-0540
Contact email: PGOLDEN@COMDT.USCG.MIL
EPA Region: 03
Land type: Federal
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
9 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US COAST GUARD HSC-K (Continued)

1009216733

Owner/Operator Summary:

Owner/operator name: USCG HQ HEALTH SERVICES DIVISION
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: 02/10/2004
Owner/Op end date: Not reported

Owner/operator name: TRANSPPOINT BUILDING COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: 02/10/2004
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D008
Waste name: LEAD

Waste code: D011
Waste name: SILVER

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 07/24/2008
Date achieved compliance: 03/26/2009
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US COAST GUARD HSC-K (Continued)

1009216733

Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 01/11/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/04/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 07/24/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 03/26/2009
Evaluation lead agency: State

PA MANIFEST:

Year: 2006
Manifest Number: PAH199091
Manifest Type: T
Generator EPA Id: DCR000500629
Generator Date: 05/19/2006
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: 202-267-0540
Page Number: 1
Line Number: 1
Waste Number: D011
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 5
Unit: Gallons (liquids only)
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2006
Manifest Number: PAH199091
Manifest Type: T
Generator EPA Id: DCR000500629
Generator Date: 05/19/2006

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US COAST GUARD HSC-K (Continued)

1009216733

Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: 202-267-0540
Page Number: 1
Line Number: 3
Waste Number: NONE
Container Number: 2
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 10
Unit: Gallons (liquids only)
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2006
Manifest Number: PAH199091
Manifest Type: T
Generator EPA Id: DCR000500629
Generator Date: 05/19/2006
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: 202-267-0540
Page Number: 1
Line Number: 2
Waste Number: D008
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 3
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

O71 NE 1/8-1/4 0.173 mi. 914 ft.	DC MATERIALS CO./ FLORIDA ROCKS 25 POTOMAC AVE, SE WASHINGTON, DC Site 1 of 2 in cluster O	DC LUST	U003294418 N/A
---	---	----------------	---------------------------------

Relative: Lower	LUST:	
Actual: 9 ft.	Facility ID:	2-000271
	Facility Type:	Other
	Facility Status:	Open
	Product:	Heating Oil, Diesel
	Notification Date:	8/23/1995
	Ward:	6
	Media Of Contamination:	Soil
	Entry Date:	8/23/1995
	Lust Number:	95078

O72 NE 1/8-1/4 0.173 mi. 914 ft.	D.C. MATERIALS CO. 25 POTOMAC AV SE WASHINGTON, DC 20003 Site 2 of 2 in cluster O	DC UST	U003763728 N/A
---	--	---------------	---------------------------------

Relative: Lower	UST:	
Actual: 9 ft.	Facility ID:	2000271
	Facility Description:	False
	Owner:	DC MATERIALS CO.
	 Tank ID:	 1
	Tank Status:	Permanently Out of Use
	Tank Capacity:	12000
	Substance:	Diesel
	 Tank ID:	 2
	Tank Status:	Permanently Out of Use
	Tank Capacity:	5000
	Substance:	Diesel

L73 NNE 1/8-1/4 0.178 mi. 940 ft.	1430 P STREET WAREHOUSE 1430 SOUTH CAPITOL STREET SE WASHINGTON, DC 20003 Site 10 of 10 in cluster L	RCRA NonGen / NLR	1007879325 DCR000500462
--	---	--------------------------	--

Relative: Higher	RCRA NonGen / NLR:	
Actual: 29 ft.	Date form received by agency:	03/04/2008
	Facility name:	1430 P STREET WAREHOUSE
	Facility address:	1430 SOUTH CAPITOL STREET SE WASHINGTON, DC 20003
	EPA ID:	DCR000500462
	Mailing address:	SOUTH CAPITOL STREET SE AOC - US CAPITOL BLDG WASHINGTON, DC 20515
	Contact:	EDDY E JOSEPH
	Contact address:	SOUTH CAPITAL STREET SE AOC - US CAPITOL BLDG WASHINGTON, DC 20515
	Contact country:	US

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1430 P STREET WAREHOUSE (Continued)

1007879325

Contact telephone: 202-226-4791
Contact email: EJOSEPH@AOC.GOV
EPA Region: 03
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: ARCHITECT OF THE CAPITOL
Owner/operator address: US CAPITOL BLDG
WASHINGTON, DC 20515

Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/19/1983
Owner/Op end date: Not reported

Owner/operator name: GUEST SERVICES INC
Owner/operator address: 3055 PROSPERITY AVENUE
FAIRFAX, VA 22031

Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/19/1983
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: Not reported

Historical Generators:

Date form received by agency: 03/04/2008

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

1430 P STREET WAREHOUSE (Continued)

1007879325

Facility name: 1430 P STREET WAREHOUSE
 Classification: Not a generator, verified

Date form received by agency: 12/13/2004
 Facility name: 1430 P STREET WAREHOUSE
 Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

**P74
 NW
 1/8-1/4
 0.187 mi.
 986 ft.**

**UNKNOWN
 321 P ST SW
 WASHINGTON, DC
 Site 1 of 2 in cluster P**

**DC HIST UST S110338186
 N/A**

**Relative:
 Lower**

HIST UST:
 Facility Id: 2005155*001
 Confirm Tank/Owner Address Found: Not reported
 Confirm Tank/No Owner Found: Not reported
 Owner Found/No Tank: Not reported
 No Owner/No Tank: Not reported
 Address Not Found: yes
 Ltr Edc: Not reported
 Tank Status: UNK
 Tank Capacity: Not reported
 Product: unk

**Actual:
 13 ft.**

**75
 North
 1/8-1/4
 0.189 mi.
 996 ft.**

**DC PUBLIC SCHOOL SYSTEM
 50 O ST SW
 WASHINGTON, DC 20024**

**DC UST U002109496
 N/A**

**Relative:
 Higher**

UST:
 Facility ID: 2005107
 Facility Description: False
 Owner: OFF OF PUBLIC EDUCATION FACILITIES MODERNIZATION

Tank ID: 1
Tank Status: Currently in Use
 Tank Capacity: 15000
 Substance: Heating Oil

**Actual:
 21 ft.**

**Q76
 NNE
 1/8-1/4
 0.192 mi.
 1013 ft.**

**UNKNOWN
 1400 S CAPITOL ST SE
 WASHINGTON, DC
 Site 1 of 8 in cluster Q**

**DC HIST UST S110337749
 N/A**

**Relative:
 Higher**

HIST UST:
 Facility Id: 2004776*001
 Confirm Tank/Owner Address Found: Not reported
 Confirm Tank/No Owner Found: yes
 Owner Found/No Tank: Not reported
 No Owner/No Tank: Not reported
 Address Not Found: Not reported

**Actual:
 29 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

UNKNOWN (Continued)

S110337749

Ltr Edc: Not reported
Tank Status: UNK
Tank Capacity: Not reported
Product: unk

**R77
NE
1/8-1/4
0.193 mi.
1021 ft.**

**FORMER DISTRICT PAVING - ASPHALT
60 P ST SE
WASHINGTON, DC 20003**

**DC UST U002108225
N/A**

Site 1 of 3 in cluster R

**Relative:
Lower**

UST:

Facility ID: 2000310
Facility Description: False
Owner: ROUBIN ASSOCIATES

**Actual:
17 ft.**

Tank ID: 1
Tank Status: Permanently Out of Use
Tank Capacity: 2000
Substance: Gasoline

Tank ID: 2
Tank Status: Permanently Out of Use
Tank Capacity: 2000
Substance: Diesel

Tank ID: 3
Tank Status: Permanently Out of Use
Tank Capacity: 10000
Substance: Heating Oil

Tank ID: 4
Tank Status: Permanently Out of Use
Tank Capacity: 10000
Substance: Heating Oil

Tank ID: 5
Tank Status: Permanently Out of Use
Tank Capacity: 15000
Substance: Other

Tank ID: 6
Tank Status: Permanently Out of Use
Tank Capacity: 1000
Substance: Gasoline

Tank ID: 7
Tank Status: Permanently Out of Use
Tank Capacity: 2000
Substance: Gasoline

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER DISTRICT PAVING - ASPHALT (Continued)

U002108225

Tank ID: 8
Tank Status: Permanently Out of Use
Tank Capacity: 7000
Substance: Heating Oil

Tank ID: 9
Tank Status: Permanently Out of Use
Tank Capacity: 10000
Substance: Gasoline

Tank ID: 10
Tank Status: Permanently Out of Use
Tank Capacity: 10000
Substance: Other

Tank ID: 11
Tank Status: Permanently Out of Use
Tank Capacity: 10000
Substance: Used Oil

Tank ID: 12
Tank Status: Permanently Out of Use
Tank Capacity: 10000
Substance: Heating Oil

Tank ID: 13
Tank Status: Permanently Out of Use
Tank Capacity: 10000
Substance: Other

Tank ID: 14
Tank Status: Permanently Out of Use
Tank Capacity: 5000
Substance: Other

Tank ID: 15
Tank Status: Permanently Out of Use
Tank Capacity: 5000
Substance: Heating Oil

Tank ID: 16
Tank Status: Permanently Out of Use
Tank Capacity: 5000
Substance: Heating Oil

Tank ID: 17
Tank Status: Permanently Out of Use
Tank Capacity: 5000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER DISTRICT PAVING - ASPHALT (Continued)

U002108225

Substance: Used Oil

Tank ID: 18
Tank Status: Permanently Out of Use
Tank Capacity: 5000
Substance: Heating Oil

Tank ID: 19
Tank Status: Permanently Out of Use
Tank Capacity: 5000
Substance: Heating Oil

R78
NE
1/8-1/4
0.193 mi.
1021 ft.

DISTRICT PAVING CORPORATION
60 P STREET SE
WASHINGTON, DC 20003

RCRA NonGen / NLR **1000419754**
FINDS **DCD116197286**

Site 2 of 3 in cluster R

Relative:
Lower

RCRA NonGen / NLR:

Date form received by agency: 02/01/1996

Facility name: DISTRICT PAVING CORPORATION

Facility address: 60 P STREET SE
WASHINGTON, DC 20003

EPA ID: DCD116197286
Mailing address: P STREET SE
WASHINGTON, DC 20003

Contact: ROY BURKE
Contact address: P STREET SE
WASHINGTON, DC 20003

Contact country: US
Contact telephone: 202-529-5100

Contact email: Not reported

EPA Region: 03

Land type: Private

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: OPERNAME
Owner/operator address: OPERSTREET
OPERCITY, AK 99999

Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Owner/operator name: ROUBIN ANGEL
Owner/operator address: LEE HIGHWAY SUITE 700
FAIRFAX, VA 22030

Owner/operator country: US
Owner/operator telephone: 703-573-9350

Legal status: Private

Owner/Operator Type: Owner

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DISTRICT PAVING CORPORATION (Continued)

1000419754

Owner/Op start date: 02/01/1996
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 08/26/1986
Facility name: DISTRICT PAVING CORPORATION
Site name: ROUBIN JANCIRO INC
Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/25/1989
Date achieved compliance: 03/02/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/02/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DISTRICT PAVING CORPORATION (Continued)

1000419754

Date violation determined: 05/25/1989
 Date achieved compliance: 03/02/1990
 Violation lead agency: State
 Enforcement action: Not reported
 Enforcement action date: Not reported
 Enf. disposition status: Not reported
 Enf. disp. status date: Not reported
 Enforcement lead agency: Not reported
 Proposed penalty amount: Not reported
 Final penalty amount: Not reported
 Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 05/25/1989
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Generators - General
 Date achieved compliance: 03/02/1990
 Evaluation lead agency: State

Evaluation date: 07/30/1987
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State

FINDS:

Registry ID: 110006183557

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

R79
NE
1/8-1/4
0.193 mi.
1021 ft.

VIRGINIA PAVING
60 P STREET, SE
WASHINGTON, DC
Site 3 of 3 in cluster R

DC LUST S103534574
N/A

Relative:
Lower

LUST:
 Facility ID: 2-000310
 Facility Type: Other
 Facility Status: NFA-DCRBCA
 Product: Diesel
 Notification Date: 7/28/1998
 Ward: 6
 Media Of Contamination: Soil
 Entry Date: 7/28/1998
 Lust Number: 98086

Actual:
17 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

80
NW
1/8-1/4
0.194 mi.
1024 ft.

SMITH THEO N
234 3RD AVE SW
WASHINGTON, DC

EDR US Hist Cleaners **1009133769**
N/A

Relative:
Lower

EDR Historical Cleaners:

Name: SMITH THEO N
Year: 1926
Type: DYERS AND CLEANERS

Actual:
12 ft.

Name: SMITH THEO N
Year: 1931
Type: CLOTHES PRESSERS AND CLEANERS

P81
NW
1/8-1/4
0.202 mi.
1067 ft.

FORT MCNAIR
350 P STREET SW
WASHINGTON, DC 20319

CERCLIS **1000481199**
RCRA-SQG **DC8210021004**
PA MANIFEST
NY MANIFEST

Site 2 of 2 in cluster P

Relative:
Lower

CERCLIS:

Site ID: 0300030
EPA ID: DC8210021004
Facility County: DISTRICT OF COLUMBIA
Short Name: FORT MCNAIR
Congressional District: 01
IFMS ID: Not reported
SMSA Number: 8840
USGC Hydro Unit: 02070010
Federal Facility: Federal Facility
DMNSN Number: 0.00000
Site Orphan Flag: N
RCRA ID: Not reported
USGS Quadrangle: Not reported
Site Init By Prog: Not reported
NFRAP Flag: Not reported
Parent ID: Not reported
RST Code: Not reported
EPA Region: 03
Classification: Not reported
Site Settings Code: Not reported
NPL Status: Not on the NPL
DMNSN Unit Code: Not reported
RBRAC Code: Not reported
RResp Fed Agency Code: USAR
Non NPL Status: Other Cleanup Activity: State-Lead Cleanup
Non NPL Status Date: 02/07/92
Site Fips Code: 11001
CC Concurrence Date: / /
CC Concurrence FY: Not reported
Alias EPA ID: Not reported
Site FUDS Flag: Not reported

Actual:
13 ft.

CERCLIS Site Alias Name(s):

Alias ID: 0
Alias Name: USA FT MCNAIR
Alias Address: 350 P STREET SW
WASHINGTON, DC 20319

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT MCNAIR (Continued)

1000481199

Alias ID: 3270049
Alias Name: FORT MCNAIR
Alias Address: 350 P STREET, S.W.
WASHINGTON, DC 20407
Alias Comments: Not reported
Site Description: Not reported

CERCLIS Assessment History:

Action Code: 001
Action: DISCOVERY
Date Started: / /
Date Completed: 09/01/80
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 02/07/92
Priority Level: Low priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: Federal Facilities
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

RCRA-SQG:

Date form received by agency: 02/16/2010
Facility name: FORT LESLIE J MCNAIR
Facility address: 4TH & P STREETS SW
WASHINGTON, DC 20319
EPA ID: DC8210021004
Mailing address: STEWART ROAD BLDG 313 RM 4
FORT MYER
ARLINGTON, VA 222111199
Contact: MARK LUCKERS
Contact address: STEWART ROAD BLDG 313 RM 4 FORT MYER
ARLINGTON, VA 222111199
Contact country: US
Contact telephone: 703-696-2012
Contact email: MARK.LUCKERS@US.ARMY.MIL
EPA Region: 03
Land type: Federal
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT MCNAIR (Continued)

1000481199

Owner/Operator Summary:

Owner/operator name: US ARMY
Owner/operator address: Not reported
DC
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1990
Owner/Op end date: Not reported

Owner/operator name: US DEPT OF DEFENSE
Owner/operator address: Not reported
DC
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1990
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 02/15/2002
Facility name: FORT LESLIE J MCNAIR
Site name: FORT LESLIE J MCNAIR MDW US ARMY
Classification: Small Quantity Generator

Date form received by agency: 02/29/2000
Facility name: FORT LESLIE J MCNAIR
Site name: FORT LESLIE J MCNAIR MDW US ARMY
Classification: Small Quantity Generator

Date form received by agency: 04/09/1985
Facility name: FORT LESLIE J MCNAIR
Site name: FORT LESLIE J MCNAIR MDW US ARMY
Classification: Small Quantity Generator

Hazardous Waste Summary:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT MCNAIR (Continued)

1000481199

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D009
Waste name: MERCURY

Facility Has Received Notices of Violations:

Regulation violated: SR - 4203.5
Area of violation: Generators - Records/Reporting
Date violation determined: 03/01/1998
Date achieved compliance: 04/22/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/01/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 11/16/2012
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/28/2011
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/27/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/01/1998

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT MCNAIR (Continued)

1000481199

Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - Records/Reporting
Date achieved compliance: 04/22/1998
Evaluation lead agency: State

PA MANIFEST:

Year: 2011
Manifest Number: 006955787JJK
Manifest Type: T
Generator EPA Id: DC8210021004
Generator Date: 08/03/2011
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-475-1540
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 2
Waste Number: XXXX
Container Number: 1
Container Type: Fiber or plastic boxes, cartons, cases
Waste Quantity: 400
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011
Manifest Number: 006955727JJK
Manifest Type: T
Generator EPA Id: DC8210021004
Generator Date: 07/06/2011
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-475-1540
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D018
Container Number: 1
Container Type: Metal drums, barrels, kegs
Waste Quantity: 90
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT MCNAIR (Continued)

1000481199

Date TSP Sig: Not reported
Year: 2011
Manifest Number: 006955787JJK
Manifest Type: T
Generator EPA Id: DC8210021004
Generator Date: 08/03/2011
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-475-1540
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 4
Waste Number: NONE
Container Number: 1
Container Type: Fiber or plastic boxes, cartons, cases
Waste Quantity: 40
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011
Manifest Number: 006955727JJK
Manifest Type: T
Generator EPA Id: DC8210021004
Generator Date: 07/06/2011
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-475-1540
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 1
Container Type: Metal drums, barrels, kegs
Waste Quantity: 90
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT MCNAIR (Continued)

1000481199

Manifest Number: 006955727JJK
Manifest Type: T
Generator EPA Id: DC8210021004
Generator Date: 07/06/2011
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-475-1540
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 2
Waste Number: D001
Container Number: 1
Container Type: Fiber or plastic boxes, cartons, cases
Waste Quantity: 610
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011
Manifest Number: 006955788JJK
Manifest Type: T
Generator EPA Id: DC8210021004
Generator Date: 08/03/2011
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-475-1540
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 3
Waste Number: NONE
Container Number: 3
Container Type: Metal drums, barrels, kegs
Waste Quantity: 800
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011
Manifest Number: 006955788JJK
Manifest Type: T
Generator EPA Id: DC8210021004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT MCNAIR (Continued)

1000481199

Generator Date: 08/03/2011
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-475-1540
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 2
Container Type: Metal drums, barrels, kegs
Waste Quantity: 550
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011
Manifest Number: 006955727JJK
Manifest Type: T
Generator EPA Id: DC8210021004
Generator Date: 07/06/2011
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-475-1540
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 4
Waste Number: D001
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 12
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011
Manifest Number: 006503257JJK
Manifest Type: T
Generator EPA Id: DC8210021004
Generator Date: 02/25/2011
Mailing Address: Not reported
Mailing City,St,Zip: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT MCNAIR (Continued)

1000481199

Contact Name: Not reported
Contact Phone: 202-475-1540
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D008
Container Number: 1
Container Type: Metal drums, barrels, kegs
Waste Quantity: 200
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011
Manifest Number: 006955787JJK
Manifest Type: T
Generator EPA Id: DC8210021004
Generator Date: 08/03/2011
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-475-1540
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 1
Container Type: Fiber or plastic boxes, cartons, cases
Waste Quantity: 480
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011
Manifest Number: 006955788JJK
Manifest Type: T
Generator EPA Id: DC8210021004
Generator Date: 08/03/2011
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-475-1540
TSD Epa Id: PAD067098822

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT MCNAIR (Continued)

1000481199

TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 4
Waste Number: NONE
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 3
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011
Manifest Number: 006955788JJK
Manifest Type: T
Generator EPA Id: DC8210021004
Generator Date: 08/03/2011
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-475-1540
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 2
Waste Number: D002
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 50
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011
Manifest Number: 006955787JJK
Manifest Type: T
Generator EPA Id: DC8210021004
Generator Date: 08/03/2011
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-475-1540
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT MCNAIR (Continued)

1000481199

TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 3
Waste Number: NONE
Container Number: 1
Container Type: Wooden boxes, cartons, cases
Waste Quantity: 310
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011
Manifest Number: 006955727JJK
Manifest Type: T
Generator EPA Id: DC8210021004
Generator Date: 07/06/2011
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-475-1540
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 3
Waste Number: D001
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 40
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2008
Manifest Number: 000839960JJK
Manifest Type: T
Generator EPA Id: DC8210021004
Generator Date: 02/05/2008
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-475-1540
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT MCNAIR (Continued)

1000481199

Page Number: 1
Line Number: 4
Waste Number: D001
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 5
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2008
Manifest Number: 000839960JJK
Manifest Type: T
Generator EPA Id: DC8210021004
Generator Date: 02/05/2008
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-475-1540
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 120
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2008
Manifest Number: 000839960JJK
Manifest Type: T
Generator EPA Id: DC8210021004
Generator Date: 02/05/2008
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-475-1540
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 2
Waste Number: D002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT MCNAIR (Continued)

1000481199

Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 5
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2008
Manifest Number: 000839960JJK
Manifest Type: T
Generator EPA Id: DC8210021004
Generator Date: 02/05/2008
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: 202-475-1540
TSD Epa Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 3
Waste Number: D001
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 150
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2006
Manifest Number: 000553685JJK
Manifest Type: T
Generator EPA Id: DC8210021004
Generator Date: 11/20/2006
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD Epa Id: PAD010154045
TSD Date: Not reported
TSD Facility Name: ENVIRITE OF PENNSYLVANIA INC
TSD Facility Address: 730 VOGELSONG ROAD
TSD Facility City: YORK
TSD Facility State: PA
Facility Telephone: 202-475-1540
Page Number: 1
Line Number: 1
Waste Number: D008
Container Number: 1
Container Type: Dump truck
Waste Quantity: 22

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT MCNAIR (Continued)

1000481199

Unit: Tons (2000 Pounds)
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2006
Manifest Number: 000553677JJK
Manifest Type: T
Generator EPA Id: DC8210021004
Generator Date: 11/14/2006
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD Epa Id: PAD010154045
TSD Date: Not reported
TSD Facility Name: ENVIRITE OF PENNSYLVANIA INC
TSD Facility Address: 730 VOGELSONG ROAD
TSD Facility City: YORK
TSD Facility State: PA
Facility Telephone: 202-475-1540
Page Number: 1
Line Number: 1
Waste Number: D008
Container Number: 1
Container Type: Dump truck
Waste Quantity: 22
Unit: Tons (2000 Pounds)
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

[Click this hyperlink](#) while viewing on your computer to access
17 additional PA MANIFEST: record(s) in the EDR Site Report.

NY MANIFEST:

EPA ID: DC8210021004
Country: USA
Mailing Name: UNITED STATES MILITARY-MILITARY DISTRICT
Mailing Contact: UNITED STATES MILITARY-MILITARY DISTRICT
Mailing Address: OF WA-DRMO-BLDG 2517-STOP 566
Mailing Address 2: Not reported
Mailing City: FORT BELVOIR
Mailing State: VA
Mailing Zip: 22060
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 703-664-6331

Document ID: NYA4110502
Manifest Status: Completed copy
Trans1 State ID: P101628(I)
Trans2 State ID: TM21813PA
Generator Ship Date: 870612
Trans1 Recv Date: 870612
Trans2 Recv Date: 870612

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT MCNAIR (Continued)

1000481199

TSD Site Recv Date: 870615
Part A Recv Date: 870625
Part B Recv Date: 870623
Generator EPA ID: DC8210021004
Trans1 EPA ID: ILD099202681
Trans2 EPA ID: PAD064035819
TSD ID: NYD049836679
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00015
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 87

Document ID: NYB1577304
Manifest Status: Completed copy
Trans1 State ID: 11277PNY
Trans2 State ID: Not reported
Generator Ship Date: 920527
Trans1 Recv Date: 920527
Trans2 Recv Date: Not reported
TSD Site Recv Date: 920529
Part A Recv Date: Not reported
Part B Recv Date: 920615
Generator EPA ID: DC8210021004
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 01234
Units: K - Kilograms (2.2 pounds)
Number of Containers: 009
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 100
Year: 92

Document ID: NYB9705366
Manifest Status: Not reported
Trans1 State ID: PAD146714878
Trans2 State ID: Not reported
Generator Ship Date: 09/30/2002
Trans1 Recv Date: 09/30/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 10/01/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: DC8210021004
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSD ID: XW49139PA
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 06200

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT MCNAIR (Continued)

1000481199

Units: P - Pounds
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 2002

Document ID: NYB9705375
Manifest Status: Not reported
Trans1 State ID: PAD146714878
Trans2 State ID: Not reported
Generator Ship Date: 09/30/2002
Trans1 Recv Date: 09/30/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 10/01/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: DC8210021004
Trans1 EPA ID: NYD049836679
Trans2 EPA ID: Not reported
TSD ID: XT40231PA
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 05980
Units: P - Pounds
Number of Containers: 001
Container Type: CM - Metal boxes, cases, roll-offs
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 2002

Q82
NNE
1/8-1/4
0.221 mi.
1167 ft.

1345 S CAPITOL ST SW
WASHINGTON, DC 20003
Site 2 of 8 in cluster Q

EDR US Hist Auto Stat 1015211638
N/A

Relative:
Higher
Actual:
29 ft.

EDR Historical Auto Stations:
Name: CALL CARL EXXON SERVICE CNTR
Year: 2004
Address: 1345 S CAPITOL ST SW

83
NNE
1/8-1/4
0.228 mi.
1203 ft.

SYPHAX SCHOOL
1360 HALF ST SW
WASHINGTON, DC 20024

DC UST U003865158
N/A

Relative:
Higher
Actual:
28 ft.

UST:
Facility ID: 9000534
Facility Description: False
Owner: MANA INC.

Tank ID: 1
Tank Status: Permanently Out of Use
Tank Capacity: 20000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SYPHAX SCHOOL (Continued)

U003865158

Substance: Heating Oil

Q84
NNE
1/8-1/4
0.235 mi.
1242 ft.

BOB SEGALL
1354 SOUTH CAPITOL ST SE
WASHINGTON, DC 20003

DC UST **U003054111**
N/A

Site 3 of 8 in cluster Q

Relative:
Higher

UST:
Facility ID: 2000081
Facility Description: False
Owner: BOB SEGALL

Actual:
28 ft.

Tank ID: 1
Tank Status: Permanently Out of Use
Tank Capacity: 1000
Substance: Gasoline

Q85
NNE
1/8-1/4
0.235 mi.
1242 ft.

CUSTOM TOWING & AUTO REPAIR
1345 SOUTH CAPITOL STREET SW
WASHINGTON, DC

RCRA NonGen / NLR **1001487033**
FINDS **DCR000001818**

Site 4 of 8 in cluster Q

Relative:
Higher

RCRA NonGen / NLR:
Date form received by agency: 05/17/2002
Facility name: CUSTOM TOWING & AUTO REPAIR
Facility address: 1345 SOUTH CAPITOL STREET SW
WASHINGTON, DC 20003
EPA ID: DCR000001818
Mailing address: SOUTH CAPITOL STREET SW
WASHINGTON, DC 20003
Contact: VERNON COOPER
Contact address: SOUTH CAPITOL STREET SW
WASHINGTON, DC 20003
Contact country: US
Contact telephone: (202) 488-4822
Contact email: Not reported
EPA Region: 03
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
28 ft.

Owner/Operator Summary:

Owner/operator name: MOORE STEPHANIE D
Owner/operator address: 1345 SOUTH CAPITOL STREET SW
WASHINGTON, DC 20003
Owner/operator country: Not reported
Owner/operator telephone: (202) 488-4822
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Owner/operator name: MOORE STEPHANIE D
Owner/operator address: 1345 SOUTH CAPITOL STREET SW

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CUSTOM TOWING & AUTO REPAIR (Continued)

1001487033

WASHINGTON, DC 20003

Owner/operator country: Not reported
Owner/operator telephone: (202) 488-4822
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 02/09/1999
Facility name: CUSTOM TOWING & AUTO REPAIR
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D006
Waste name: CADMIUM

Waste code: D008
Waste name: LEAD

Waste code: D018
Waste name: BENZENE

Waste code: D027
Waste name: 1,4-DICHLOROBENZENE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CUSTOM TOWING & AUTO REPAIR (Continued)

1001487033

Waste name: TRICHLOROETHYLENE

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D006
Waste name: CADMIUM

Waste code: D008
Waste name: LEAD

Waste code: D018
Waste name: BENZENE

Waste code: D027
Waste name: 1,4-DICHLOROBENZENE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 05/17/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/10/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/20/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110002505094

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CUSTOM TOWING & AUTO REPAIR (Continued)

1001487033

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Q86
NNE
 1/8-1/4
 0.235 mi.
 1242 ft.

POTOMAC CAB COMPANY
1345 S CAPITOL ST SW
WASHINGTON, DC 20003

DC LUST **U002108095**
DC UST **N/A**

Site 5 of 8 in cluster Q

Relative:
Higher

LUST:
 Facility ID: 2-000014
 Facility Type: Commercial
 Facility Status: Open
 Product: Diesel, Heating Oil
 Notification Date: 5/17/2007
 Ward: 6
 Media Of Contamination: Soil/GW
 Entry Date: 5/16/2007
 Lust Number: 2007021

Actual:
28 ft.

Facility ID: 2-000014
 Facility Type: Other
 Facility Status: Closed
 Product: Gasoline
 Notification Date: 7/20/1989
 Ward: 6
 Media Of Contamination: Soil
 Entry Date: 7/20/1989
 Lust Number: 89048

UST:
 Facility ID: 2000014
 Facility Description: False
 Owner: POTOMAC CAB CO

Tank ID: 1
Tank Status: Permanently Out of Use
 Tank Capacity: Not reported
 Substance: Other

Tank ID: 2
Tank Status: Permanently Out of Use
 Tank Capacity: 550
 Substance: Gasoline

Tank ID: 3
Tank Status: Permanently Out of Use
 Tank Capacity: 550
 Substance: Gasoline

Tank ID: 4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

POTOMAC CAB COMPANY (Continued)

U002108095

Tank Status: Permanently Out of Use
Tank Capacity: 2000
Substance: Diesel

Tank ID: 5
Tank Status: Permanently Out of Use
Tank Capacity: 1000
Substance: Used Oil

87
NW
1/8-1/4
0.238 mi.
1255 ft.

CHANNEL SQUARE APARTMENTS
325 P ST SW
WASHINGTON, DC 20024

DC UST **U003294408**
N/A

Relative:
Lower

UST:
Facility ID: 2000207
Facility Description: False
Owner: SOUTHWEST HOUSING RENEWAL CO

Actual:
13 ft.

Tank ID: 1
Tank Status: Permanently Out of Use
Tank Capacity: 15000
Substance: Heating Oil

Tank ID: 2
Tank Status: Currently In Use
Tank Capacity: 10000
Substance: Heating Oil

Q88
NNE
1/8-1/4
0.239 mi.
1260 ft.

JONES TRANSPORTATION CO
1342 SOUTH CAPITOL STREET SE
WASHINGTON, DC 20003

RCRA NonGen / NLR **1001217868**
FINDS **DCR000000539**

Site 6 of 8 in cluster Q

Relative:
Higher

RCRA NonGen / NLR:
Date form received by agency: 02/02/2004
Facility name: JONES TRANSPORTATION CO
Facility address: 1342 SOUTH CAPITOL STREET SE
WASHINGTON, DC 20003
EPA ID: DCR000000539
Mailing address: SOUTH CAPITOL STREET SE
WASHINGTON, DC 20003
Contact: JAMES JONES
Contact address: SOUTH CAPITOL STREET SE
WASHINGTON, DC 20003
Contact country: US
Contact telephone: (202) 554-2301
Contact email: Not reported
EPA Region: 03
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
28 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JONES TRANSPORTATION CO (Continued)

1001217868

Owner/Operator Summary:

Owner/operator name: JONES JAMES
Owner/operator address: 1342 SOUTH CAPITOL STREET SE
WASHINGTON, DC 20003
Owner/operator country: Not reported
Owner/operator telephone: (202) 554-2301
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Owner/operator name: JONES JAMES
Owner/operator address: 1342 SOUTH CAPITOL STREET SE
WASHINGTON, DC 20003
Owner/operator country: Not reported
Owner/operator telephone: (202) 554-2301
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 04/04/2000
Facility name: JONES TRANSPORTATION CO
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 11/27/1995
Facility name: JONES TRANSPORTATION CO
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JONES TRANSPORTATION CO (Continued)

1001217868

Facility Has Received Notices of Violations:

Regulation violated: SR - 4202.7(e), 4403
Area of violation: Generators - Pre-transport
Date violation determined: 05/08/1998
Date achieved compliance: 06/12/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/08/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 4203.1
Area of violation: Generators - Records/Reporting
Date violation determined: 05/08/1998
Date achieved compliance: 06/12/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/08/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 4203.9
Area of violation: Generators - Records/Reporting
Date violation determined: 05/08/1998
Date achieved compliance: 06/12/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/08/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 4202.7(e), 4401.23
Area of violation: Generators - Pre-transport
Date violation determined: 05/08/1998
Date achieved compliance: 06/12/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/08/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JONES TRANSPORTATION CO (Continued)

1001217868

Regulation violated: SR - 4203.5
Area of violation: Generators - Records/Reporting
Date violation determined: 05/08/1998
Date achieved compliance: 06/12/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/08/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 02/02/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/28/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/08/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 06/12/1998
Evaluation lead agency: State

Evaluation date: 05/08/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 06/12/1998
Evaluation lead agency: State

FINDS:

Registry ID: 110002503960

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Q89 **JONES TRANSPORTATION**
NNE **1342 S CAPITOL ST SE**
1/8-1/4 **WASHINGTON, DC 20003**
0.239 mi.
1260 ft. **Site 7 of 8 in cluster Q**

DC AST **U003763779**
N/A

Relative:
Higher

AST:
Facility ID: 2004774
Owner: R A BIGGS

Actual:
28 ft.

Tank ID: 1
Tank Status: Currently in Use
Tank Capacity: 500
Substance: Used Oil
AST: True

Q90 **1342 S CAPITOL ST SE**
NNE **WASHINGTON, DC 20003**
1/8-1/4
0.239 mi.
1260 ft. **Site 8 of 8 in cluster Q**

EDR US Hist Auto Stat **1015211258**
N/A

Relative:
Higher

EDR Historical Auto Stations:
Name: AAMCO TRANSMISSIONS
Year: 2005
Address: 1342 S CAPITOL ST SE

Actual:
28 ft.

Name: AAMCO TRANSMISSIONS
Year: 2007
Address: 1342 S CAPITOL ST SE

S91 **UNKNOWN**
NNE **1334 S CAPITOL ST SE**
1/8-1/4 **WASHINGTON, DC**
0.241 mi.
1271 ft. **Site 1 of 3 in cluster S**

DC HIST UST **S110337722**
N/A

Relative:
Higher

HIST UST:
Facility Id: 2004773*001
Confirm Tank/Owner Address Found: Not reported
Confirm Tank/No Owner Found: Not reported
Owner Found/No Tank: Not reported
No Owner/No Tank: Not reported
Address Not Found: yes
Ltr Edc: Not reported
Tank Status: UNK
Tank Capacity: Not reported
Product: unk

Actual:
28 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

S92
NNE
1/8-1/4
0.242 mi.
1277 ft.

WARRING, JAMES T SONS INC
1330 S CAPITOL ST SE
WASHINGTON, DC 20003

RCRA NonGen / NLR

1000362121
DCD000746909

Site 2 of 3 in cluster S

Relative:
Higher

RCRA NonGen / NLR:

Date form received by agency: 08/18/1980

Facility name: WARRING, JAMES T SONS INC

Facility address: 1330 S CAPITOL ST SE
WASHINGTON, DC 20003

EPA ID: DCD000746909

Mailing address: 1321 S CAPITOL ST SW
WASHINGTON, DC 20003

Contact: VINCENT WARRING

Contact address: 1330 S CAPITOL ST SE
WASHINGTON, DC 20003

Contact country: US

Contact telephone: (202) 488-1528

Contact email: Not reported

EPA Region: 03

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
28 ft.

Owner/Operator Summary:

Owner/operator name: OPERNAME
Owner/operator address: OPERSTREET
OPERCITY, AK 99999

Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Owner/operator name: WARRING, JAMES T SONS INC
Owner/operator address: OWNERSTREET
OWNERCITY, AK 99999

Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WARRING, JAMES T SONS INC (Continued)

1000362121

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

S93
NNE
1/4-1/2
0.256 mi.
1352 ft.

WARRING, JAMES T SONS INC
1321 S CAPITOL ST SW
WASHINGTON, DC 20003

CERC-NFRAP 1000221667
RCRA NonGen / NLR DCD042278994

Site 3 of 3 in cluster S

Relative:
Higher

CERC-NFRAP:

Site ID: 0300026
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Actual:
27 ft.

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: WARRING DRUM
Alias Address: Not reported
DC

Alias Name: JAMES T WARRING & SONS INC
Alias Address: Not reported
WASHINGTON, DC

CERCLIS-NFRAP Assessment History:

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 03/01/80
Priority Level: Not reported

Action: SITE INSPECTION
Date Started: 02/01/80
Date Completed: 03/01/80
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: DISCOVERY
Date Started: / /
Date Completed: 09/01/79
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 11/01/79
Priority Level: Low priority for further assessment

RCRA NonGen / NLR:

Date form received by agency: 08/18/1980
Facility name: WARRING, JAMES T SONS INC
Facility address: 1321 S CAPITOL ST SW
WASHINGTON, DC 20003
EPA ID: DCD042278994
Contact: VINCENT WARRING
Contact address: 1321 S CAPITOL ST SW
WASHINGTON, DC 20003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WARRING, JAMES T SONS INC (Continued)

1000221667

Contact country: US
Contact telephone: (202) 488-1528
Contact email: Not reported
EPA Region: 03
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: JAMES T WARRING SONS INC
Owner/operator address: OWNERSTREET
OWNERCITY, AK 99999
Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: OPERNAME
Owner/operator address: OPERSTREET
OPERCITY, AK 99999

Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

**T94
NE
1/4-1/2
0.306 mi.
1615 ft.**

**DC SPORTS COMMISSION
60-80 O STREET, SE
WASHINGTON, DC
Site 1 of 3 in cluster T**

**DC LUST S108276553
N/A**

**Relative:
Lower**

LUST:
Facility ID: 0-000000
Facility Type: Baseball Stadium-Lot 703
Facility Status: NFA-DCRBCA
Product: Heating Oil, Diesel

**Actual:
15 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DC SPORTS COMMISSION (Continued)

S108276553

Notification Date: 5/16/2006
Ward: 6
Media Of Contamination: Soil
Entry Date: 5/18/2006
Lust Number: 2006029

**T95
NE
1/4-1/2
0.325 mi.
1718 ft.**

**DC DPW FLEET MANAGEMENT
125 O STREET, SE
WASHINGTON, DC**

**DC LUST S104918497
N/A**

Site 2 of 3 in cluster T

**Relative:
Lower**

LUST:
Facility ID: 2-000617
Facility Type: DPW
Facility Status: Open
Product: Diesel
Notification Date: 8/20/1998
Ward: 6
Media Of Contamination: Soil/GW
Entry Date: 8/20/1998
Lust Number: 98097

**Actual:
12 ft.**

**T96
NE
1/4-1/2
0.329 mi.
1739 ft.**

**WASHINGTON D.C. SEWER MYSTERY SPILL
150 O STREET
WASHINGTON, DC 20032**

**CERC-NFRAP 1003108869
DCN000305637**

Site 3 of 3 in cluster T

**Relative:
Lower**

CERC-NFRAP:
Site ID: 0305637
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

**Actual:
15 ft.**

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 13304765.00000
Person ID: 3000119.00000

Contact Sequence ID: 13304766.00000
Person ID: 3000194.00000

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: / /
Date Completed: 01/15/02
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: 01/15/02
Date Completed: 08/01/02
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: REMOVAL ASSESSMENT
Date Started: 01/08/01

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASHINGTON D.C. SEWER MYSTERY SPILL (Continued)

1003108869

Date Completed: 08/01/02
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 08/19/02
Priority Level: Not reported

Action: REMOVAL ASSESSMENT
Date Started: 12/19/00
Date Completed: 12/20/00
Priority Level: Not reported

97
NNE
1/4-1/2
0.359 mi.
1895 ft.

WEBER'S WHITE TRUCKS,INC.
1331 HALF ST SE
WASHINGTON, DC 20003

DC LUST U003054219
DC UST N/A

Relative:
Higher

LUST:
Facility ID: 2-000704
Facility Type: Other
Facility Status: Closed
Product: Gasoline
Notification Date: 1/26/1998
Ward: 6
Media Of Contamination: Soil
Entry Date: 1/26/1998
Lust Number: 98029

Actual:
24 ft.

UST:
Facility ID: 2000704
Facility Description: False
Owner: WEBER'S WHITE TRUCKS,INC.

Tank ID: 1
Tank Status: Permanently Out of Use
Tank Capacity: 2000
Substance: Gasoline

Tank ID: 2
Tank Status: Permanently Out of Use
Tank Capacity: 1000
Substance: Gasoline

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

U98 NNE 1/4-1/2 0.371 mi. 1957 ft.	AMOCO 1244 SOUTH CAPITAL ST. SE WASHINGTON, DC Site 1 of 4 in cluster U	DC LUST	1001276588 N/A
---	--	----------------	---------------------------------

Relative: Higher	LUST:	
Actual: 23 ft.	Facility ID: 2-000105 Facility Type: Gas Station Facility Status: Closed Product: Gasoline Notification Date: 2/26/2002 Ward: 6 Media Of Contamination: Soil/GW Entry Date: 2/26/2002 Lust Number: 2002035	
	Facility ID: 2-000105 Facility Type: Gas Station Facility Status: Closed Product: Gasoline Notification Date: 2/9/1994 Ward: 6 Media Of Contamination: Soil/GW Entry Date: 2/9/1994 Lust Number: 94047	

U99 NNE 1/4-1/2 0.387 mi. 2046 ft.	1236 SOUTH CAPITOL STREET, SE WASHINGTON, DC Site 2 of 4 in cluster U	DC BROWNFIELDS	S108931562 N/A
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Relative: Higher	BROWNFIELD:	
Actual: 22 ft.	PB ID: PBF2004-0127 Ownership: Private Size (sf): 1500 Phase I: unknown Phase II: unknown Lot: 0046 Square: 0700 Latitude/Longitude: 38.8758 / -77.009 Notes: WS/Other: 11-01-07	

100 SSW 1/4-1/2 0.390 mi. 2057 ft.	NAVAL SUPPORT FACILITY ANACOSTIA 2701 SOUTH CAPITOL STREET SE WASHINGTON, DC 20373	CERC-NFRAP RCRA NonGen / NLR NJ MANIFEST NY MANIFEST	1000481655 DC4170000901
---	---	---	--

Relative: Lower	CERC-NFRAP:	
Actual: 8 ft.	Site ID: 0304418 Federal Facility: Federal Facility NPL Status: Not on the NPL Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information	

CERCLIS-NFRAP Site Contact Details:
 Contact Sequence ID: 3386837.00000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

Person ID: 3000181.00000

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: ANACOSTIA NAVAL STATION
Alias Address: 2701 SOUTH CAPITOL STREET SW
WASHINGTON, DC 22214

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: / /
Date Completed: 06/06/91
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 06/06/91
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 08/26/96
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

RCRA NonGen / NLR:

Date form received by agency: 01/21/2011
Facility name: NAVAL SUPPORT FACILITY ANACOSTIA
Facility address: 2701 SOUTH CAPITOL STREET SE
WASHINGTON, DC 20373
EPA ID: DC4170000901
Mailing address: O STREET SE
SUITE 100N
WASHINGTON NAVY YARD, DC 20374
Contact: STEVEN GODIO
Contact address: O STREET SE SUITE 100N
WASHINGTON NAVY YARD, DC 20374
Contact country: US
Contact telephone: (202) 433-7182
Contact email: STEVEN.GODIO@NAVY.MIL
EPA Region: 03
Land type: Federal
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NAVFAC WASHINGTON
Owner/operator address: O ST SE SUITE 100N
WASHINGTON, DC 20374
Owner/operator country: US
Owner/operator telephone: 202-433-7182
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: 10/01/1998
Owner/Op end date: Not reported

Owner/operator name: COMMANDANT NDW

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

Owner/operator address: DAHLGREEN AVE SE
WASHINGTON, DC 20374
Owner/operator country: US
Owner/operator telephone: 202-433-2670
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: 10/01/1998
Owner/Op end date: Not reported

Owner/operator name: COMMANDANT NAVAL DISTRICT
Owner/operator address: DAHLGREN AVENUE SE
WASHINGTON NAVY YARD, DC 20374
Owner/operator country: US
Owner/operator telephone: (202) 433-7182
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: 10/01/1998
Owner/Op end date: Not reported

Owner/operator name: COMMANDANT, NAVAL DISTRICT WASHINGTON
Owner/operator address: DAHLGREN AVE, SE.
WASHINGTON, DC 20374
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: 10/01/1998
Owner/Op end date: Not reported

Owner/operator name: NAVFAC WASHINGTON
Owner/operator address: DAHLGREN AVENUE, SE.
WASHINGTON, DC 20374
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: 10/01/1998
Owner/Op end date: Not reported

Owner/operator name: NACFAC WASHINGTON
Owner/operator address: O STREET SE SUITE 100N
WASHINGTON NAVY YARD, DC 20374
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: 10/01/1998
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/01/2010
Facility name: NAVAL SUPPORT FACILITY ANACOSTIA
Classification: Large Quantity Generator

Date form received by agency: 03/03/2008
Facility name: NAVAL SUPPORT FACILITY ANACOSTIA
Classification: Large Quantity Generator

Date form received by agency: 04/04/2006
Facility name: NAVAL SUPPORT FACILITY ANACOSTIA
Classification: Large Quantity Generator

Date form received by agency: 02/27/2004
Facility name: NAVAL SUPPORT FACILITY ANACOSTIA
Site name: HQ NDW NAVAL STATION ANACOSTIA
Classification: Large Quantity Generator

Date form received by agency: 02/26/2002
Facility name: NAVAL SUPPORT FACILITY ANACOSTIA
Site name: HQ NDW NAVAL STATION ANACOSTIA
Classification: Small Quantity Generator

Date form received by agency: 02/25/2000
Facility name: NAVAL SUPPORT FACILITY ANACOSTIA
Site name: HQ NDW NAVAL STATION ANACOSTIA
Classification: Large Quantity Generator

Date form received by agency: 03/01/1998
Facility name: NAVAL SUPPORT FACILITY ANACOSTIA
Site name: HQ NDW NAVAL STATION ANACOSTIA
Classification: Large Quantity Generator

Date form received by agency: 02/14/1996
Facility name: NAVAL SUPPORT FACILITY ANACOSTIA
Site name: U S NAVAL DISTRICT WASH ANACOSTIA
Classification: Large Quantity Generator

Date form received by agency: 05/08/1990
Facility name: NAVAL SUPPORT FACILITY ANACOSTIA
Site name: ANACOSTIA NAVAL STATION
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003

Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D007

Waste name: CHROMIUM

Waste code: D008

Waste name: LEAD

Waste code: D009

Waste name: MERCURY

Waste code: D011

Waste name: SILVER

Waste code: D018

Waste name: BENZENE

Waste code: P030

Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Map ID
Direction
Distance
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

Waste code: D008
Waste name: LEAD

Waste code: D018
Waste name: BENZENE

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D005
Waste name: BARIUM

Waste code: D006
Waste name: CADMIUM

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

Waste code: D011
Waste name: SILVER

Waste code: D018
Waste name: BENZENE

Waste code: D026
Waste name: CRESOL

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

Waste code: D029
Waste name: 1,1-DICHLOROETHYLENE

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F008
Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Map ID
Direction
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

Waste code: P030
Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

Waste code: P044
Waste name: DIMETHOATE

Waste code: U121
Waste name: METHANE, TRICHLOROFLUORO-

Waste code: U247
Waste name: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4- METHOXY-

Facility Has Received Notices of Violations:

Regulation violated: FR - 40cfr262.34(a)(2)
Area of violation: Generators - Pre-transport
Date violation determined: 09/24/2002
Date achieved compliance: 09/13/2004
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40cfr273.14
Area of violation: Generators - Pre-transport
Date violation determined: 09/24/2002
Date achieved compliance: 09/13/2004
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 9 vac 20-60-450.B
Area of violation: Transporters - General
Date violation determined: 02/24/2000
Date achieved compliance: 03/15/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/09/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 286.7(a)(7)
Area of violation: LDR - General

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

Date violation determined: 06/28/1995
Date achieved compliance: 08/18/1998
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 09/30/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 265.16
Area of violation: Generators - General
Date violation determined: 06/28/1995
Date achieved compliance: 08/18/1998
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 09/30/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 262.34(a)(2)
Area of violation: Generators - Pre-transport
Date violation determined: 06/28/1995
Date achieved compliance: 08/18/1998
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 09/30/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 262.34(a)(3)
Area of violation: Generators - Pre-transport
Date violation determined: 06/28/1995
Date achieved compliance: 08/18/1998
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 09/30/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 01/28/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/05/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/12/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 09/24/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 09/13/2004
Evaluation lead agency: EPA

Evaluation date: 02/24/2000
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Transporters - General
Date achieved compliance: 03/15/2000
Evaluation lead agency: State

Evaluation date: 06/28/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/18/1998
Evaluation lead agency: EPA

Evaluation date: 06/28/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 08/18/1998
Evaluation lead agency: EPA

Evaluation date: 06/28/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 08/18/1998
Evaluation lead agency: EPA

NJ MANIFEST:

Manifest Code: NJA5093804
EPA ID: DC4170000901
Date Shipped: 02/12/2004
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	02/12/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDf Received Waste:	02/17/2004
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDf EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	03220421
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported
Manifest Code:	NJA5117313
EPA ID:	DC4170000901
Date Shipped:	02/12/2004
TSDf EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 02/12/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 02/17/2004
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 03220421
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5094714
EPA ID: DC4170000901
Date Shipped: 04/09/2004
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

Date Trans1 Transported Waste: 04/09/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 04/16/2004
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 05100425
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5039421
EPA ID: DC4170000901
Date Shipped: 06/02/2004
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 06/02/2004

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 06/08/2004
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 06230421
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5037926
EPA ID: DC4170000901
Date Shipped: 08/04/2004
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 08/04/2004
Date Trans2 Transported Waste: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 08/15/2004
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 09150421
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5071207
EPA ID: DC4170000901
Date Shipped: 09/22/2004
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 09/22/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 09/24/2004
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 10270422
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5071986
EPA ID: DC4170000901
Date Shipped: 11/15/2004
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 11/15/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 11/18/2004
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 01110521
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5222171
EPA ID: DC4170000901
Date Shipped: 05/31/2005
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 05/31/2005
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDf Received Waste: 06/06/2005
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDf EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 07010521
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5223276
EPA ID: DC4170000901
Date Shipped: 08/12/2005
TSDf EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 08/12/2005
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 08/17/2005
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Generator EPA Facility Name: Not reported
Transporter-1 EPA Facility Name: Not reported
Transporter-2 EPA Facility Name: Not reported
Transporter-3 EPA Facility Name: Not reported
Transporter-4 EPA Facility Name: Not reported
Transporter-5 EPA Facility Name: Not reported
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 09130521
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

NY MANIFEST:

EPA ID: DC4170000901
Country: USA
Mailing Name: UNITED STATES MILITARY
Mailing Contact: N/S
Mailing Address: 1311 10TH ST BLDG 175 STE 102
Mailing Address 2: Not reported
Mailing City: WASHINGTON
Mailing State: DC
Mailing Zip: 20374
Mailing Zip4: 5095
Mailing Country: USA
Mailing Phone: 202-433-7182

Document ID: NYB1905030
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: P13954ILL
Trans2 State ID: PC4291
Generator Ship Date: 910305

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

Trans1 Recv Date: 910305
Trans2 Recv Date: 910321
TSD Site Recv Date: 910322
Part A Recv Date: 910325
Part B Recv Date: 910403
Generator EPA ID: DC4170000901
Trans1 EPA ID: ILD099202681
Trans2 EPA ID: Not reported
TSD ID: NYD049836679
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00085
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 91

Document ID: NYB7539714
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC
Trans1 State ID: Not reported
Trans2 State ID: MAINEV620
Generator Ship Date: 960201
Trans1 Recv Date: 960201
Trans2 Recv Date: 960220
TSD Site Recv Date: 960223
Part A Recv Date: 960304
Part B Recv Date: 960304
Generator EPA ID: DC4170000901
Trans1 EPA ID: DCD981735244
Trans2 EPA ID: DCD981735244
TSD ID: NYD048148175
Waste Code: D009 - MERCURY 0.2 MG/L TCLP
Quantity: 00030
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00008
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 02400
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 96

MAP FINDINGS

Map ID			
Direction			
Distance			EDR ID Number
Elevation	Site	Database(s)	EPA ID Number

U101 NNE 1/4-1/2 0.393 mi. 2075 ft.	PUBLIC STORAGE, INC. 1230 SOUTH CAPITOL ST., SE WASHINGTON, DC Site 3 of 4 in cluster U	DC LUST	S103816846 N/A
--	--	----------------	---------------------------------

Relative: Higher	LUST:	
	Facility ID:	2-000067
	Facility Type:	Other
Actual: 22 ft.	Facility Status:	NFA
	Product:	Diesel
	Notification Date:	8/12/1996
	Ward:	6
	Media Of Contamination:	Soil/GW
	Entry Date:	8/12/1996
	Lust Number:	96092

U102 NNE 1/4-1/2 0.393 mi. 2075 ft.	PUBLIC STORAGE 1230 SOUTH CAPITOL STREET, SE WASHINGTON, DC Site 4 of 4 in cluster U	DC LUST DC BROWNFIELDS	S108931560 N/A
--	---	---	---------------------------------

Relative: Higher	LUST:	
	Facility ID:	2-000067
	Facility Type:	Other
Actual: 22 ft.	Facility Status:	Closed
	Product:	Diesel
	Notification Date:	8/21/1989
	Ward:	6
	Media Of Contamination:	Soil
	Entry Date:	8/21/1989
	Lust Number:	89044

	BROWNFIELD:	
	PB ID:	PBF2003-0085
	Ownership:	Private
	Size (sf):	15198
	Phase I:	unknown
	Phase II:	unknown
	Lot:	0044
	Square:	0700
	Latitude/Longitude:	38.87588418 / -77.00909325
	Notes:	WS/Other: 11-01-07

V103 NNE 1/4-1/2 0.429 mi. 2265 ft.	17 M ST. LLC/WMATA 17 M STREET, SE WASHINGTON, DC Site 1 of 3 in cluster V	DC LUST	S109028312 N/A
--	---	----------------	---------------------------------

Relative: Higher	LUST:	
	Facility ID:	2-000712
	Facility Type:	Other
Actual: 21 ft.	Facility Status:	Open
	Product:	Gasoline, Diesel
	Notification Date:	4/28/1992
	Ward:	6

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

17 M ST. LLC/WMATA (Continued)

S109028312

Media Of Contamination: Soil/GW
Entry Date: 4/28/1992
Lust Number: 92048

104
North
1/4-1/2
0.436 mi.
2302 ft.

BOWEN ELEMENTARY SCHOOL
101 M ST SW
WASHINGTON, DC 20024

DC LUST **U003764149**
DC UST **N/A**

Relative:
Lower

LUST:
Facility ID: 9-000357
Facility Type: DC Govt - School
Facility Status: Closed
Product: Heating Oil
Notification Date: 9/19/2001
Ward: 6
Media Of Contamination: Soil
Entry Date: 9/19/2001
Lust Number: 2001075

Actual:
9 ft.

UST:
Facility ID: 9000357
Facility Description: False
Owner: OFF OF PUBLIC EDUCATION FACILITIES MODERNIZATION

Tank ID: 1
Tank Status: Permanently Out of Use
Tank Capacity: 5000
Substance: Heating Oil

105
NNE
1/4-1/2
0.439 mi.
2317 ft.

ADMIRAL LIMOUSINE COMPANY
1245 1ST ST SE
WASHINGTON, DC 20003

DC LUST **U003053734**
DC UST **N/A**
DC HIST UST

Relative:
Lower

LUST:
Facility ID: 0-000164
Facility Type: Other
Facility Status: Closed
Product: Gasoline
Notification Date: 11/17/1997
Ward: 6
Media Of Contamination: Soil
Entry Date: 11/17/1997
Lust Number: 98009

Actual:
20 ft.

UST:
Facility ID: 164
Facility Description: False
Owner: WILLCO CONSTRUCTION CO

Tank ID: 1
Tank Status: Permanently Out of Use

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ADMIRAL LIMOUSINE COMPANY (Continued)

U003053734

Tank Capacity: 1000
Substance: Diesel

Tank ID: 2
Tank Status: Permanently Out of Use
Tank Capacity: 2000
Substance: Gasoline

HIST UST:

Facility Id: 0000164*001
Confirm Tank/Owner Address Found: Not reported
Confirm Tank/No Owner Found: Not reported
Owner Found/No Tank: yes
No Owner/No Tank: Not reported
Address Not Found: Not reported
Ltr Edc: Not reported
Tank Status: Not reported
Tank Capacity: 1000
Product: Diesel

Facility Id: 0000164*002
Confirm Tank/Owner Address Found: Not reported
Confirm Tank/No Owner Found: Not reported
Owner Found/No Tank: yes
No Owner/No Tank: Not reported
Address Not Found: Not reported
Ltr Edc: Not reported
Tank Status: Not reported
Tank Capacity: 2000
Product: Gas

V106
NNE
1/4-1/2
0.439 mi.
2320 ft.

LERNER ENTERPRISES
20 M STREET, SE
WASHINGTON, DC

DC LUST S102834858
N/A

Site 2 of 3 in cluster V

Relative:
Higher

LUST:

Facility ID: 0-000000
Facility Type: Commercial
Facility Status: Closed
Product: Gasoline, Diesel
Notification Date: 8/6/2001
Ward: 6
Media Of Contamination: Soil/GW
Entry Date: 8/8/2001
Lust Number: 2001060

Actual:
21 ft.

Facility ID: 2-000712
Facility Type: Other
Facility Status: Closed
Product: Heating Oil
Notification Date: 10/13/1988
Ward: 6
Media Of Contamination: Soil
Entry Date: 10/13/1988

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LERNER ENTERPRISES (Continued)

S102834858

Lust Number: 89001

V107
NNE
1/4-1/2
0.439 mi.
2320 ft.

0020 M STREET, SE
WASHINGTON, DC

DC BROWNFIELDS **S110337133**
N/A

Site 3 of 3 in cluster V

Relative:
Higher

BROWNFIELD:

PB ID: PBF2003-0090
Ownership: Private
Size (sf): 22313
Phase I: unknown
Phase II: unknown
Lot: 0804
Square: 0698
Latitude/Longitude: 38.87647086 / -77.00821881
Notes: WS: Other

Actual:
21 ft.

108
North
1/4-1/2
0.450 mi.
2378 ft.

GREENLEAF SENIOR GARDENS
1200 DELAWARE AV SW
WASHINGTON, DC 20024

DC LUST **U003764081**
DC UST **N/A**
DC HIST UST

Relative:
Lower

LUST:

Facility ID: 9-000276
Facility Type: Commercial
Facility Status: Closed
Product: Heating Oil
Notification Date: 7/29/1998
Ward: 6
Media Of Contamination: Soil
Entry Date: 7/29/1998
Lust Number: 98089

Actual:
14 ft.

UST:

Facility ID: 9000276
Facility Description: False
Owner: GREENLEAF SENIOR GARDENS

Tank ID: 1
Tank Status: Permanently Out of Use
Tank Capacity: 20000
Substance: Heating Oil

Tank ID: 2
Tank Status: Currently In Use
Tank Capacity: 10000
Substance: Heating Oil

HIST UST:

Facility Id: 2001254*001
Confirm Tank/Owner Address Found: yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GREENLEAF SENIOR GARDENS (Continued)

U003764081

Confirm Tank/No Owner Found: Not reported
Owner Found/No Tank: Not reported
No Owner/No Tank: Not reported
Address Not Found: yes
Ltr Edc: Not reported
Tank Status: CIU
Tank Capacity: 2500
Product: HtOI

W109
NNE
1/4-1/2
0.451 mi.
2379 ft.

MONUMENT REALTY
55 M STREET
WASHINGTON, DC
Site 1 of 3 in cluster W

DC LUST **S108276566**
N/A

Relative:
Higher

LUST:
Facility ID: 0-000000
Facility Type: Commercial
Facility Status: NFA
Product: Gasoline, Diesel
Notification Date: 11/27/2006
Ward: 6
Media Of Contamination: GW
Entry Date: 11/27/2006
Lust Number: 2007007

Actual:
22 ft.

W110
NNE
1/4-1/2
0.456 mi.
2406 ft.

SUNOCO
50 M STREET, SE
WASHINGTON, DC
Site 2 of 3 in cluster W

DC LUST **S103817101**
N/A

Relative:
Higher

LUST:
Facility ID: 2-000735
Facility Type: Other
Facility Status: Closed
Product: Gasoline
Notification Date: 3/1/1988
Ward: 6
Media Of Contamination: Soil
Entry Date: 3/1/1988
Lust Number: 88003

Actual:
22 ft.

W111
NNE
1/4-1/2
0.483 mi.
2548 ft.

80 M TRACKS LTD PARTNERS
80 M STREET, SE
WASHINGTON, DC
Site 3 of 3 in cluster W

DC LUST **S105029694**
N/A

Relative:
Higher

LUST:
Facility ID: 2-000968
Facility Type: Commercial
Facility Status: Closed
Product: Heating Oil
Notification Date: 11/30/1999

Actual:
23 ft.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

80 M TRACKS LTD PARTNERS (Continued)

S105029694

Ward: 6
 Media Of Contamination: Soil
 Entry Date: 11/30/1999
 Lust Number: 2000019

112
North
1/4-1/2
0.494 mi.
2609 ft.

21 L, LLC
21 L STREET, SW
WASHINGTON, DC

DC LUST S108276550
N/A

Relative:
Lower

LUST:
 Facility ID: 0-000000
 Facility Type: Other
 Facility Status: Open
 Product: Gasoline
 Notification Date: 12/2/2005
 Ward: 6
 Media Of Contamination: Soil/GW
 Entry Date: 12/2/2005
 Lust Number: 2006007

Actual:
19 ft.

113
NE
1/2-1
0.646 mi.
3409 ft.

WASHINGTON NAVY YARD
WASHINGTON, DC, DC

FUDS 1012129558
N/A

Relative:
Lower

FUDS:
 Federal Facility ID: DC9799F1332
 FUDS #: C03DC0917
 INST ID: 56373
 Facility Name: WASHINGTON NAVY YARD
 City: WASHINGTON, DC
 State: DC
 EPA Region: 03
 County: DISTRICT OF COLUMBIA
 Congressional District: 98
 US Army District: Baltimore District (NAB)
 Fiscal Year: 2011
 Telephone: 410-962-2809
 NPL Status: Not Listed
 RAB: Not reported
 CTC: 52.6
 Current Owner: FEDERAL
 Current Prog: Not reported
 Future Prog: Not reported

Actual:
7 ft.

Description: During the period of Navy use, between 1797 and 1962, the site was called the Naval Weapons Plant, Washington, D.C., and was used for the production of various types of weapons, administrative, and industrial purposes. During World War II, the Navy erected 82 buildings consisting mainly of shops and warehouses as well as ground structures. During the period of Navy use, the site was called the U.S. Navy Yard, the U.S. Naval Gun Factory, the Naval Weapons Plant, and finally the Washington Navy Yard. The site was originally acquired for use as a Naval ship building facility but was transformed into a

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1012129558

gun factory in the late 1800's. Through World Wars I and II the site produced naval ordnance and weapons as well as repaired damaged equipment and developed new types of ordnance. The site was not under other than DOD control during this period of DOD use.

The United States Government acquired a total of 126.8 acres fee in various parcels, between 1797 and 1942, for use by the Navy. On 31 May 1962, the westerly portion of the site (60.5 acres) with improvements was reported excess to the needs of the Navy. The 60.5 acres was a portion of the plant located on "M" Street, between 1st and 11th Streets, S.E. General Services Administration (GSA) accepted the 60.5 acres property and improvements on 1 October 1963. There were no restoration provisions in the transfer documents. There were 47 structures erected on the portion of the site which was conveyed to GSA. In 1989, approximately 5.2 acres including one building was transferred back to the Navy. GSA retains ownership of the remaining 55.3 acres. GSA currently uses the site for storage, administrative, maintenance and miscellaneous purposes. The remaining 71.5 acre (66.3 + 5.2) portion of the site is currently under control of the Navy. The site is currently known as the Washington Navy Yard.

Count: 20 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
WASHINGTON	1003866892	ANACOSTIA DRUM SITE	11TH STREET BRIDGE & GOOD HOPE	20020	CERCLIS-NFRAP
WASHINGTON	1004681738	KRAMER JUNIOR HIGH SCHOOL (PUBLIC	17TH & Q STREETS SE	20020	RCRA-CESQG
WASHINGTON	1004681767	EASTERN SENIOR HIGH SCHOOL (PUBLIC	1700 EAST CAPITOL STREET	20003	RCRA-CESQG
WASHINGTON	1004681864	I & R TRANSMISSION	1002 1ST ST	20003	MANIFEST
WASHINGTON	1007060082	PEPCO	M & HALF ST SE	20003	AST
WASHINGTON	1007091892	WASHINGTON D C DEPT OF PUBLIC WORK	14TH STREET BRIDGE	20032	RCRA-NLR,MANIFEST
WASHINGTON	1014388351	LECKIE ELEMENTARY SCHOOL	4200 MARTIN LUTHER KING AVENUE	20032	RCRA-NLR
WASHINGTON	1014388363	FEDERAL OFFICE BUILDING 8 (FOB 8)	2ND & C STREETS SW	20024	RCRA-NLR
WASHINGTON	1015733126	CUSTIS & BROWN BARGE SPILL	12TH AND WATER STREETS, SW	20024	CERCLIS-NFRAP
WASHINGTON	1015810237	NATIONAL PARK SERVICE - EAST POTOM	1100 OHIO DRIVE SW		FINDS
WASHINGTON	1015810260	BUZZARD POINT FACILITY	701 NINTH STREET, N.W.		FINDS
WASHINGTON	1016116148	BUZZARD POINT GENERATING STATION	1ST STREET & V STREET SOUTHWES		FINDS
WASHINGTON	S103816821	FT. MCNAIR, BLDG #37, TANK #5	103 3RD STREET		LUST
SUITLAND	S104640913	MSP AVIATION DIV. WASHINGTON	ANDREW'S AIR FORCE BASE	20020	HIST UST
WASHINGTON	S105260067	ROADSIDE DEVELOPMENT, INC.	1400 O STREET		LUST
WASHINGTON	S105738284	LAUNDROMAT OF BONG YEE	1520 FIRST STREET		LUST
WASHINGTON	S105980890	DELWIN APARTMENTS	4223 FIRST STREET		LUST
WASHINGTON	S107420436	PEPCO	HALF & M STS, SE		LUST
WASHINGTON	S107420439	SQUARE 669 LTD	NORTH CAPITOL STREET AND P STR		LUST
WASHINGTON	S111770332	THURGOOD MARSHALL ACADEMY	2427 MARTIN LUTHER KING JR HWY	20020	MANIFEST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 05/09/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 05/09/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 05/09/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/04/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: 703-412-9810
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 05/29/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2012	Telephone: 703-603-8704
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 07/08/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 10/21/2013
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/05/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: 703-412-9810
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 05/29/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 05/09/2013
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/21/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 6

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/01/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 07/01/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 07/01/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 07/01/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 07/01/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/14/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/29/2013	Telephone: 703-603-0695
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 06/10/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/14/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/29/2013	Telephone: 703-603-0695
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 06/10/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 05/20/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 09/02/2013
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2012	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/17/2013	Telephone: 202-267-2180
Date Made Active in Reports: 02/15/2013	Last EDR Contact: 07/01/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: N/A	Source: Department of Health
Date Data Arrived at EDR: N/A	Telephone: 202-535-2500
Date Made Active in Reports: N/A	Last EDR Contact: 05/28/2013
Number of Days to Update: 0	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facility Listing

The Solid Waste Disposal Division is responsible for disposing of the District's approximately 203,000 tons of municipal solid waste (trash). Since the District does not have landfills, collected waste is deposited at two solid waste transfer stations and then taken out of the city by contractor vehicles to a waste-to-energy plant and landfill in Virginia.

Date of Government Version: 11/18/2010
Date Data Arrived at EDR: 11/19/2010
Date Made Active in Reports: 12/10/2010
Number of Days to Update: 21

Source: Department of Public Works
Telephone: 202-673-6833
Last EDR Contact: 04/19/2013
Next Scheduled EDR Contact: 08/05/2013
Data Release Frequency: No Update Planned

State and tribal leaking storage tank lists

LUST: District of Columbia LUST Cases

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 04/10/2013
Date Data Arrived at EDR: 04/11/2013
Date Made Active in Reports: 05/07/2013
Number of Days to Update: 26

Source: Department of the Environment
Telephone: 202-442-5977
Last EDR Contact: 06/10/2013
Next Scheduled EDR Contact: 09/23/2013
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 11/01/2012
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 162

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/01/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/06/2013
Date Data Arrived at EDR: 02/08/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 43

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6271
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 04/29/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2013	Telephone: 415-972-3372
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/05/2013	Source: EPA Region 10
Date Data Arrived at EDR: 02/06/2013	Telephone: 206-553-2857
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Underground Storage Tank Database List

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 04/10/2013	Source: Department of the Environment
Date Data Arrived at EDR: 04/11/2013	Telephone: 202-442-5977
Date Made Active in Reports: 05/07/2013	Last EDR Contact: 06/10/2013
Number of Days to Update: 26	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Quarterly

AST: List of Aboveground Storage Tanks

Aboveground storage tank locations.

Date of Government Version: 04/10/2013	Source: Department of the Environment
Date Data Arrived at EDR: 04/11/2013	Telephone: 202-727-7218
Date Made Active in Reports: 05/07/2013	Last EDR Contact: 06/10/2013
Number of Days to Update: 26	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: No Update Planned

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 12/31/2012	Source: EPA Region 7
Date Data Arrived at EDR: 02/28/2013	Telephone: 913-551-7003
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 43	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011	Source: EPA Region 6
Date Data Arrived at EDR: 05/11/2011	Telephone: 214-665-7591
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 04/29/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/02/2012	Source: EPA Region 5
Date Data Arrived at EDR: 08/03/2012	Telephone: 312-886-6136
Date Made Active in Reports: 11/05/2012	Last EDR Contact: 04/29/2013
Number of Days to Update: 94	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations).

Date of Government Version: 02/06/2013	Source: EPA Region 4
Date Data Arrived at EDR: 02/08/2013	Telephone: 404-562-9424
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 09/28/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 11/07/2012	Telephone: 617-918-1313
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 156	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6137
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 04/29/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/05/2013	Source: EPA Region 10
Date Data Arrived at EDR: 02/06/2013	Telephone: 206-553-2857
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/21/2013	Source: EPA Region 9
Date Data Arrived at EDR: 02/26/2013	Telephone: 415-972-3368
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 45	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 04/18/2013
Number of Days to Update: 55	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 10/02/2012	Telephone: 617-918-1102
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/02/2013
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Sites

The Voluntary Cleanup Program oversees owner or developer initiated voluntary remediation of contaminated lands and buildings that return actual or potentially contaminated properties to productive uses.

Date of Government Version: 01/09/2013	Source: Department of the Environment
Date Data Arrived at EDR: 03/28/2013	Telephone: 202-535-1337
Date Made Active in Reports: 03/29/2013	Last EDR Contact: 05/28/2013
Number of Days to Update: 1	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site Database

A listing of potential brownfields site locations.

Date of Government Version: 11/20/2012	Source: Department of the Environment
Date Data Arrived at EDR: 03/29/2013	Telephone: 202-535-1337
Date Made Active in Reports: 05/07/2013	Last EDR Contact: 06/18/2013
Number of Days to Update: 39	Next Scheduled EDR Contact: 10/07/2013
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/10/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/11/2012	Telephone: 202-566-2777
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 06/25/2013
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/07/2013
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 04/29/2013
Number of Days to Update: 137	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 05/03/2013
Number of Days to Update: 52	Next Scheduled EDR Contact: 08/19/2013
	Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/04/2013
Date Data Arrived at EDR: 03/12/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 59

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 06/03/2013
Next Scheduled EDR Contact: 09/16/2013
Data Release Frequency: Quarterly

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

HIST UST: Historical UST Listing

During the process of the database upgrade, all facilities that the UST Program was unable to confirm their existence were removed from the working revelation UST Database before the conversion and put into an excel spreadsheet. These facilities became known as "Project Unknown". This listing is not current and has been not updated.

Date of Government Version: 12/31/1999
Date Data Arrived at EDR: 06/25/2010
Date Made Active in Reports: 07/16/2010
Number of Days to Update: 21

Source: Department of the Environment
Telephone: 202-535-1950
Last EDR Contact: 06/24/2010
Next Scheduled EDR Contact: 10/11/2010
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/06/2013
Date Data Arrived at EDR: 04/25/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/29/2013
Next Scheduled EDR Contact: 08/12/2013
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 55

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/01/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Annually

Other Ascertainable Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/12/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/15/2013	Telephone: 800-438-2474
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 07/01/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 05/07/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/19/2013
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/19/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2011	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 02/26/2013	Telephone: 202-528-4285
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 06/10/2013
Number of Days to Update: 15	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2011	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 01/15/2013	Telephone: Varies
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 06/25/2013
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/18/2012	Source: EPA
Date Data Arrived at EDR: 03/13/2013	Telephone: 703-416-0223
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 06/11/2013
Number of Days to Update: 30	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 05/28/2013
Number of Days to Update: 146	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/05/2013	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 04/18/2013	Telephone: 303-231-5959
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 06/04/2013
Number of Days to Update: 22	Next Scheduled EDR Contact: 09/16/2013
	Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 09/01/2011	Telephone: 202-566-0250
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 05/29/2013
Number of Days to Update: 131	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 06/25/2013
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/07/2013
	Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/28/2013
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/28/2013
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 04/29/2013
Number of Days to Update: 77	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/10/2011	Telephone: 202-564-5088
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 04/15/2013
Number of Days to Update: 61	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2012	Source: EPA
Date Data Arrived at EDR: 01/16/2013	Telephone: 202-566-0500
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 04/19/2013
Number of Days to Update: 114	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/14/2013	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 03/20/2013	Telephone: 301-415-7169
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 07/10/2013
Number of Days to Update: 112	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/09/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/11/2013	Telephone: 202-343-9775
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 04/11/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 03/08/2013	Source: EPA
Date Data Arrived at EDR: 03/21/2013	Telephone: (215) 814-5000
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 06/13/2013
Number of Days to Update: 111	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

RMP: Risk Management Plans

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/08/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/25/2012	Telephone: 202-564-8600
Date Made Active in Reports: 07/10/2012	Last EDR Contact: 04/29/2013
Number of Days to Update: 46	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011	Source: EPA/NTIS
Date Data Arrived at EDR: 02/26/2013	Telephone: 800-424-9346
Date Made Active in Reports: 04/19/2013	Last EDR Contact: 05/30/2013
Number of Days to Update: 52	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/19/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 05/06/2013
Number of Days to Update: 54	Next Scheduled EDR Contact: 08/05/2013
	Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/14/2013	Telephone: 703-603-8787
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 07/03/2013
Number of Days to Update: 13	Next Scheduled EDR Contact: 10/21/2013
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/03/2011	Telephone: N/A
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 06/14/2013
Number of Days to Update: 77	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 04/18/2013
Number of Days to Update: 76	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 05/03/2013
Number of Days to Update: 83	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/04/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/15/2013	Telephone: 202-566-1917
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 05/20/2013
Number of Days to Update: 56	Next Scheduled EDR Contact: 09/02/2013
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 12/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/18/2013	Telephone: 617-520-3000
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 05/10/2013
Number of Days to Update: 81	Next Scheduled EDR Contact: 08/26/2013
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/30/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 06/25/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Annually

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/30/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 06/25/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Annually

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/17/2013
Next Scheduled EDR Contact: 08/26/2013
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/19/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: N/A

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/18/2012
Date Data Arrived at EDR: 04/04/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 97

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 07/03/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/20/2013	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 05/21/2013	Telephone: 860-424-3375
Date Made Active in Reports: 06/27/2013	Last EDR Contact: 05/21/2013
Number of Days to Update: 37	Next Scheduled EDR Contact: 09/02/2013
	Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/19/2012	Telephone: N/A
Date Made Active in Reports: 08/28/2012	Last EDR Contact: 04/19/2013
Number of Days to Update: 40	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/01/2013	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 05/09/2013	Telephone: 518-402-8651
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 05/09/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 08/19/2013
	Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/23/2012	Telephone: 717-783-8990
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 04/23/2013
Number of Days to Update: 57	Next Scheduled EDR Contact: 08/05/2013
	Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2011	Source: Department of Environmental Management
Date Data Arrived at EDR: 06/22/2012	Telephone: 401-222-2797
Date Made Active in Reports: 07/31/2012	Last EDR Contact: 05/28/2013
Number of Days to Update: 39	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011	Source: Department of Natural Resources
Date Data Arrived at EDR: 07/19/2012	Telephone: N/A
Date Made Active in Reports: 09/27/2012	Last EDR Contact: 06/28/2013
Number of Days to Update: 70	Next Scheduled EDR Contact: 09/30/2013
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: Rextag Strategies Corp.

Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facilities

Source: Department of Health

Telephone: 202-442-5888

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

BUZZARD POINT
S STREET SW/1ST STREET SW
WASHINGTON, DC 20024

TARGET PROPERTY COORDINATES

Latitude (North): 38.8683 - 38° 52' 5.88"
Longitude (West): 77.0121 - 77° 0' 43.56"
Universal Tranverse Mercator: Zone 18
UTM X (Meters): 325434.0
UTM Y (Meters): 4303878.0
Elevation: 21 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 38077-G1 ALEXANDRIA, VA DC MD
Most Recent Revision: 1994

North Map: 38077-H1 WASHINGTON WEST, DC MD VA
Most Recent Revision: 1983

Northeast Map: 38076-H8 WASHINGTON EAST, DC MD
Most Recent Revision: 1982

East Map: 38076-G8 ANACOSTIA, DC MD
Most Recent Revision: 1982

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

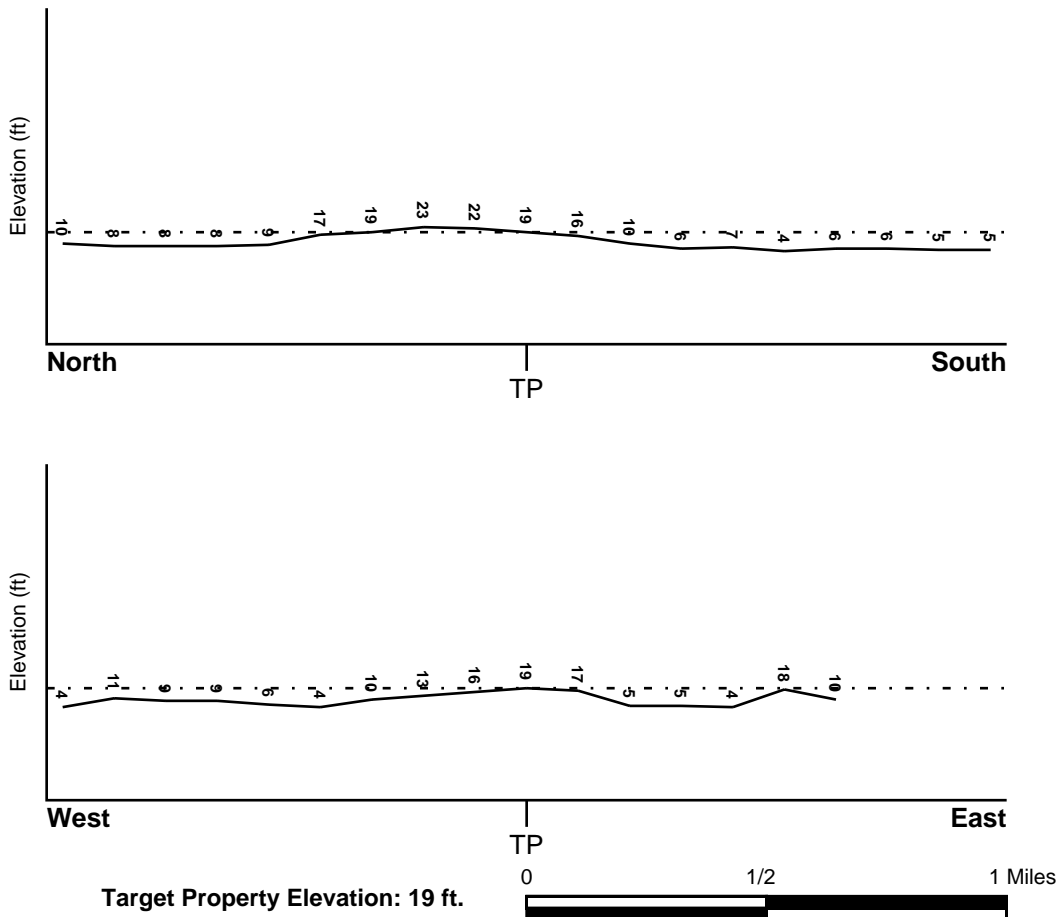
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u> WASHINGTON, DC	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	1100010025B - FEMA Q3 Flood data
Additional Panels in search area:	1100010030B - FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> ALEXANDRIA	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
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HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Location Relative to TP:	1/4 - 1/2 Mile NW
Site Name:	Usa Ft Mcnair
Site EPA ID Number:	DC8210021004
Groundwater Flow Direction:	NOT AVAILABLE.
Inferred Depth to Water:	1.5 meters to 3 meters.
Hydraulic Connection:	Information is not available about the hydraulic connection between aquifers underlying the site.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Mesozoic
System:	Cretaceous
Series:	Lower Cretaceous
Code:	IK (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

No detail available.

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40000230780	1/4 - 1/2 Mile NE
2	USGS40000230831	1/2 - 1 Mile SSE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

PHYSICAL SETTING SOURCE MAP - 03660997.2r



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data



SITE NAME: Buzzard Point
 ADDRESS: S Street SW/1st Street SW
 Washington DC 20024
 LAT/LONG: 38.8683 / 77.0121

CLIENT: Haley & Aldrich, Inc.
 CONTACT: Kristen Wright-Ng
 INQUIRY #: 03660997.2r
 DATE: July 10, 2013 4:27 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
NE
1/4 - 1/2 Mile
Lower
FED USGS USGS40000230780

Org. Identifier:	USGS-MD		
Formal name:	USGS Maryland Water Science Center		
Monloc Identifier:	USGS-385219077002201		
Monloc name:	AX Ac 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02070010	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.8719444
Longitude:	-77.0061111	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	13.49
Vert measure units:	feet	Vertacc measure val:	.04
Vert accmeasure units:	feet		
Vertcollection method:	Differential Global Positioning System (GPS)r		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Quaternary Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	20040410	Welldepth:	20
Welldepth units:	ft	Wellholedepth:	20
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

2
SSE
1/2 - 1 Mile
Higher
FED USGS USGS40000230831

Org. Identifier:	USGS-VA		
Formal name:	USGS Virginia Water Science Center		
Monloc Identifier:	USGS-385128077001601		
Monloc name:	54U 2C		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02070010	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.8578903
Longitude:	-77.0041425	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	20.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	398
Construction date:	Not Reported	Wellholedepth:	398
Welldepth units:	ft		
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 484

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
-----			-----		
1970-05-28	3.45		1970-05-28	3.45	
1970-05-01	19.74		1970-05-01	19.74	
1970-03-02	42.18		1970-03-02	42.18	
1970-01-27	25.09		1970-01-27	25.09	
1969-12-01	48.05		1969-12-01	48.05	
1969-10-28	46.62		1969-10-28	46.62	
1969-09-29	39.66		1969-09-29	39.66	
1969-08-27	26.14		1969-08-27	26.14	
1969-07-31	35.10		1969-07-31	35.10	
1969-06-27	49.33		1969-06-27	49.33	
1969-05-28	48.80		1969-05-28	48.80	
1969-04-30	48.36		1969-04-30	48.36	
1969-03-27	48.03		1969-03-27	48.03	
1969-02-27	47.45		1969-02-27	47.45	
1969-01-27	46.14		1969-01-27	46.14	
1969-01-02	44.18		1969-01-02	44.18	
1968-10-30	49.79		1968-10-30	49.79	
1968-09-26	50.49		1968-09-26	50.49	
1968-08-26	51.50		1968-08-26	51.50	
1968-07-29	49.45		1968-07-29	49.45	
1968-06-27	47.61		1968-06-27	47.61	
1968-05-29	47.11		1968-05-29	47.11	
1968-04-29	47.41		1968-04-29	47.41	
1968-03-26	46.79		1968-03-26	46.79	
1968-02-26	47.28		1968-02-26	47.28	
1968-01-28	47.41		1968-01-28	47.41	
1967-12-26	47.52		1967-12-26	47.52	
1967-11-28	47.93		1967-11-28	47.93	
1967-10-27	48.18		1967-10-27	48.18	
1967-09-27	48.61		1967-09-27	48.61	
1967-08-29	49.00		1967-08-29	49.00	
1967-07-28	48.14		1967-07-28	48.14	
1967-06-26	46.99		1967-06-26	46.99	
1967-06-01	46.25		1967-06-01	46.25	
1967-04-28	46.09		1967-04-28	46.09	
1967-04-03	46.25		1967-04-03	46.25	
1967-02-27	46.64		1967-02-27	46.64	
1967-01-31	47.03		1967-01-31	47.03	
1966-12-30	47.09		1966-12-30	47.09	
1966-12-01	47.43		1966-12-01	47.43	
1966-11-01	47.89		1966-11-01	47.89	
1966-10-03	48.88		1966-10-03	48.88	
1966-08-30	48.94		1966-08-30	48.94	
1966-08-01	47.52		1966-08-01	47.52	
1966-07-01	45.45		1966-07-01	45.45	
1966-06-01	44.26		1966-06-01	44.26	
1966-05-04	44.41		1966-05-04	44.41	
1966-04-04	44.93		1966-04-04	44.93	
1965-12-30	46.26		1965-12-30	46.26	
1965-12-01	46.77		1965-12-01	46.77	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1965-08-31	48.04		1965-08-31	48.04	
1965-07-30	47.02		1965-07-30	47.02	
1965-06-29	45.81		1965-06-29	45.81	
1965-06-02	44.79		1965-06-02	44.79	
1965-04-30	44.32		1965-04-30	44.32	
1965-03-31	44.41		1965-03-31	44.41	
1965-02-04	44.76		1965-02-04	44.76	
1964-12-30	45.19		1964-12-30	45.19	
1964-11-30	45.67		1964-11-30	45.67	
1964-10-29	45.86		1964-10-29	45.86	
1964-10-06	46.21		1964-10-06	46.21	
1964-09-03	46.13		1964-09-03	46.13	
1964-07-31	45.06		1964-07-31	45.06	
1964-06-29	43.36		1964-06-29	43.36	
1964-06-01	41.83		1964-06-01	41.83	
1964-05-01	40.62		1964-05-01	40.62	
1964-04-02	40.98		1964-04-02	40.98	
1964-02-28	41.01		1964-02-28	41.01	
1964-02-03	41.57		1964-02-03	41.57	
1963-12-30	42.39		1963-12-30	42.39	
1963-12-02	42.98		1963-12-02	42.98	
1963-10-25	43.84		1963-10-25	43.84	
1963-10-02	43.51		1963-10-02	43.51	
1963-08-30	43.60		1963-08-30	43.60	
1963-07-31	41.87		1963-07-31	41.87	
1963-06-28	39.14		1963-06-28	39.14	
1963-05-29	38.45		1963-05-29	38.45	
1963-05-01	38.59		1963-05-01	38.59	
1963-03-29	38.76		1963-03-29	38.76	
1963-03-01	38.87		1963-03-01	38.87	
1963-02-01	39.53		1963-02-01	39.53	
1963-01-03	39.99		1963-01-03	39.99	
1962-11-30	41.28		1962-11-30	41.28	
1962-10-31	42.32		1962-10-31	42.32	
1962-10-02	43.57		1962-10-02	43.57	
1962-08-31	43.26		1962-08-31	43.26	
1962-07-31	42.24		1962-07-31	42.24	
1962-06-29	40.98		1962-06-29	40.98	
1962-06-01	39.72		1962-06-01	39.72	
1962-04-30	39.32		1962-04-30	39.32	
1962-03-30	39.85		1962-03-30	39.85	
1962-02-27	40.34		1962-02-27	40.34	
1962-01-31	41.15		1962-01-31	41.15	
1961-12-29	42.00		1961-12-29	42.00	
1961-12-01	43.16		1961-12-01	43.16	
1961-10-31	44.51		1961-10-31	44.51	
1961-10-02	45.18		1961-10-02	45.18	
1961-09-01	44.71		1961-09-01	44.71	
1961-07-28	43.38		1961-07-28	43.38	
1961-06-29	41.94		1961-06-29	41.94	
1961-05-29	41.71		1961-05-29	41.71	
1961-05-01	41.71		1961-05-01	41.71	
1961-03-31	43.08		1961-03-31	43.08	
1961-03-01	44.84		1961-03-01	44.84	
1961-02-01	46.19		1961-02-01	46.19	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1960-12-01	49.79		1960-12-01	49.79	
1960-10-31	50.62		1960-10-31	50.62	
1960-09-30	50.02		1960-09-30	50.02	
1960-08-31	46.85		1960-08-31	46.85	
1960-08-02	45.51		1960-08-02	45.51	
1960-06-30	43.98		1960-06-30	43.98	
1960-06-01	42.95		1960-06-01	42.95	
1960-05-04	42.88		1960-05-04	42.88	
1960-04-04	42.83		1960-04-04	42.83	
1960-02-29	44.51		1960-02-29	44.51	
1960-02-02	45.26		1960-02-02	45.26	
1959-04-01	41.73		1959-04-01	41.73	
1959-02-27	40.81		1959-02-27	40.81	
1959-02-02	41.89		1959-02-02	41.89	
1958-12-31	42.72		1958-12-31	42.72	
1958-12-03	43.83		1958-12-03	43.83	
1958-10-31	45.08		1958-10-31	45.08	
1958-10-01	46.59		1958-10-01	46.59	
1958-09-30	46.07		1958-09-30	46.07	
1958-09-03	46.95		1958-09-03	46.95	
1958-07-31	46.24		1958-07-31	46.24	
1958-06-30	45.51		1958-06-30	45.51	
1958-05-29	45.33		1958-05-29	45.33	
1958-03-31	46.53		1958-03-31	46.53	
1958-02-28	47.22		1958-02-28	47.22	
1958-01-31	48.20		1958-01-31	48.20	
1958-01-02	49.61		1958-01-02	49.61	
1957-12-09	50.55		1957-12-09	50.55	
1957-10-31	53.37		1957-10-31	53.37	
1957-09-30	56.37		1957-09-30	56.37	
1957-09-03	55.26		1957-09-03	55.26	
1957-07-31	53.13		1957-07-31	53.13	
1957-07-01	49.41		1957-07-01	49.41	
1957-05-31	45.46		1957-05-31	45.46	
1957-05-01	44.71		1957-05-01	44.71	
1957-04-01	45.31		1957-04-01	45.31	
1957-03-01	45.71		1957-03-01	45.71	
1957-01-31	46.71		1957-01-31	46.71	
1956-12-31	47.36		1956-12-31	47.36	
1956-12-11	48.11		1956-12-11	48.11	
1956-10-08	50.71		1956-10-08	50.71	
1956-08-31	50.31		1956-08-31	50.31	
1956-08-01	49.49		1956-08-01	49.49	
1956-04-26	46.80		1956-04-26	46.80	
1956-03-01	47.66		1956-03-01	47.66	
1956-01-31	48.71		1956-01-31	48.71	
1956-01-18	48.60		1956-01-18	48.60	
1955-11-03	50.45		1955-11-03	50.45	
1955-08-31	49.99		1955-08-31	49.99	
1955-08-04	48.89		1955-08-04	48.89	
1955-07-01	46.51		1955-07-01	46.51	
1955-06-01	45.29		1955-06-01	45.29	
1955-05-06	45.04		1955-05-06	45.04	
1955-03-15	45.96		1955-03-15	45.96	
1955-02-16	46.51		1955-02-16	46.51	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1954-12-21	47.71		1954-12-21	47.71	
1954-11-16	48.42		1954-11-16	48.42	
1954-10-06	48.28		1954-10-06	48.28	
1954-09-07	47.51		1954-09-07	47.51	
1954-08-06	45.80		1954-08-06	45.80	
1954-04-30	40.99		1954-04-30	40.99	
1954-04-02	42.11		1954-04-02	42.11	
1954-03-02	42.86		1954-03-02	42.86	
1954-01-29	43.78		1954-01-29	43.78	
1954-01-19	43.71		1954-01-19	43.71	
1942-07-20	45.50		1942-07-20	45.50	
1942-07-03	45.72		1942-07-03	45.72	
1942-05-21	48.23		1942-05-21	48.23	
1942-04-21	45.41		1942-04-21	45.41	
1942-04-13	45.01		1942-04-13	45.01	
1942-04-06	45.77		1942-04-06	45.77	
1942-03-23	46.60		1942-03-23	46.60	
1942-03-16	46.46		1942-03-16	46.46	
1942-03-09	46.56		1942-03-09	46.56	
1942-03-02	46.36		1942-03-02	46.36	
1942-02-09	46.14		1942-02-09	46.14	
1942-02-02	46.13		1942-02-02	46.13	
1942-01-26	46.46		1942-01-26	46.46	
1942-01-05	46.45		1942-01-05	46.45	
1941-12-29	46.36		1941-12-29	46.36	
1941-12-22	46.53		1941-12-22	46.53	
1941-12-01	47.93		1941-12-01	47.93	
1941-11-17	49.01		1941-11-17	49.01	
1941-11-10	48.88		1941-11-10	48.88	
1941-11-03	49.51		1941-11-03	49.51	
1941-10-27	50.49		1941-10-27	50.49	
1941-10-20	50.54		1941-10-20	50.54	
1941-10-13	50.58		1941-10-13	50.58	
1941-09-29	51.16		1941-09-29	51.16	
1941-09-22	52.18		1941-09-22	52.18	
1941-09-08	48.30		1941-09-08	48.30	
1941-09-02	48.79		1941-09-02	48.79	
1941-08-25	48.74		1941-08-25	48.74	
1941-08-18	49.45		1941-08-18	49.45	
1941-07-14	47.48		1941-07-14	47.48	
1941-07-07	44.10		1941-07-07	44.10	
1941-06-30	42.95		1941-06-30	42.95	
1941-06-16	42.68		1941-06-16	42.68	
1941-06-02	41.75		1941-06-02	41.75	
1941-05-12	39.42		1941-05-12	39.42	
1941-04-26	37.77		1941-04-26	37.77	
1941-04-14	36.62		1941-04-14	36.62	
1941-04-07	36.36		1941-04-07	36.36	
1941-03-31	36.34		1941-03-31	36.34	
1941-03-24	36.44		1941-03-24	36.44	
1941-03-17	36.41		1941-03-17	36.41	
1941-03-03	36.86		1941-03-03	36.86	
1941-02-24	37.69		1941-02-24	37.69	
1941-02-17	37.88		1941-02-17	37.88	
1941-02-10	38.98		1941-02-10	38.98	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1941-01-06	40.52		1941-01-06	40.52	
1940-12-30	39.52		1940-12-30	39.52	
1940-11-25	40.66		1940-11-25	40.66	
1940-11-04	41.14		1940-11-04	41.14	
1940-10-21	41.19		1940-10-21	41.19	
1940-09-23	41.49		1940-09-23	41.49	
1940-08-30	40.34		1940-08-30	40.34	
1940-08-19	39.94		1940-08-19	39.94	
1940-08-05	39.27		1940-08-05	39.27	
1940-07-22	39.60		1940-07-22	39.60	
1940-07-08	40.06		1940-07-08	40.06	
1940-06-27	40.52		1940-06-27	40.52	
1940-06-05	42.46		1940-06-05	42.46	
1940-05-29	43.06		1940-05-29	43.06	
1940-05-22	43.86		1940-05-22	43.86	
1940-05-15	44.89		1940-05-15	44.89	
1940-05-08	45.81		1940-05-08	45.81	
1940-05-01	46.64		1940-05-01	46.64	
1940-04-23	47.77		1940-04-23	47.77	
1940-04-17	48.95		1940-04-17	48.95	
1940-04-10	50.07		1940-04-10	50.07	
1940-04-03	51.48		1940-04-03	51.48	
1940-03-27	52.90		1940-03-27	52.90	
1940-03-20	54.01		1940-03-20	54.01	
1940-03-13	55.68		1940-03-13	55.68	
1940-03-06	57.20		1940-03-06	57.20	
1940-02-29	59.00		1940-02-29	59.00	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

EPA Region 3 Statistical Summary Readings for Zip Code: 20024

Number of sites tested: 92.

Maximum Radon Level: 37.4 pCi/L.

Minimum Radon Level: 0.2 pCi/L.

<u>pCi/L</u> <u><4</u>	<u>pCi/L</u> <u>4-10</u>	<u>pCi/L</u> <u>10-20</u>	<u>pCi/L</u> <u>20-50</u>	<u>pCi/L</u> <u>50-100</u>	<u>pCi/L</u> <u>>100</u>
86 (93.48%)	4 (4.35%)	0 (0.00%)	2 (2.17%)	0 (0.00%)	0 (0.00%)

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

RADON

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

EPA Region 3 Statistical Summary Readings

Source: Region 3 EPA

Telephone: 215-814-2082

Radon readings for Delaware, D.C., Maryland, Pennsylvania, Virginia and West Virginia.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

STREET AND ADDRESS INFORMATION

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**COMPREHENSIVE SITE ASSESSMENT
POTOMAC ELECTRIC POWER COMPANY
BUZZARD POINT STATION
1ST AND V STREETS, S.W.
WASHINGTON, D.C.
FACILITY ID#: 2-000609
DC LUST CASE#: 93-051
TPH PROJECT#: J93058.01
AUGUST 11, 1993**

Prepared For:

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Prepared By:

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EXECUTIVE SUMMARY

**COMPREHENSIVE SITE ASSESSMENT (CSA) REPORT
BUZZARD POINT STATION
1ST AND V STREET, S.W.
WASHINGTON, D.C.
FACILITY ID #: 2-000609
DC LUST CASE #: 93-051
TPH PROJECT #: J93058.01**

TPH Technology, Incorporated (TPH, Inc.) has conducted a Comprehensive Site Assessment at the Potomac Electric Power Company's (PEPCO) Buzzard Point Generating Station, located at 1st and "V" Street, S.W., Washington, D.C. This investigation was initiated pursuant to a written directive issued by the District of Columbia, Department of Consumer and Regulatory Affairs; Environmental Regulation Administration; Pesticides, Hazardous Waste and Underground Storage Tank Branch's (DCRA). This directive was made in response to the January 29, 1993, discovery of free phase (liquid) hydrocarbons by PEPCO personnel in an existing groundwater observation well. The assessment was conducted in accordance with DCRA Specifications.

The existing observation well was located in the combustion turbine area at the northern portion of the generating station. This well was installed in the early 1970's in response to a leak in an underground #2 fuel oil line. The northern combustion turbine area (NCTA) was the focal point of this investigation.

The Buzzard Point Generating Station had been used for generating electric power since 1928. The surrounding area consists primarily of commercial establishments and governmental institutions. Multifamily residences are located several blocks north of the site. Underground utilities include telephone, natural gas, water, fuel oil lines, sanitary sewers and storm sewers. Of these utilities, sanitary and storm sewers are greater than six feet in depth. The depth of sanitary sewers range from 8 to 12 feet depth.

The site is located in the Atlantic Coastal Plain Physiographic Province. The stratigraphy of the site is characterized by silty sand and gravel of the Pamlico Formation. The depth to groundwater ranges from \approx 15 to 20 feet below grade. The groundwater flow direction appears to be to the southwest.

The site assessment included a shallow soil gas survey, the installation of eleven groundwater monitoring wells, sampling and analysis of soil and groundwater, a survey of sensitive receptors, and total fluids and vacuum extraction remedial feasibility testing.

Using the information provided by the shallow soil gas survey, soil vapor isoconcentration maps were drafted to determine relative "hot spots" of petroleum-impacted soil in the NCTA. These maps were then used to aid in the placement of the groundwater monitoring wells. Additional data required for placement of the monitoring wells included knowing the location and depth of the many underground utilities at the site.

During the installation of eleven monitoring wells, soil samples were collected using grab and split spoon sampling methods. These samples were analyzed in the field with a photoionization device (PID) to quantify the Volatile Organic Compound (VOC) concentration(s) of the samples. VOC concentrations in the samples generally increased with depth to the water table surface of 15 to 20 feet depth. The highest VOC concentration(s) in soil samples were found in samples collected across the water table surface. The highest VOC concentrations in soil samples ranged from 233 ppm (MW-10) to >8,900 ppm (MW-2).

A portion of the soil sample(s) exhibiting the highest VOC concentration(s) from each monitoring well location was prepared for laboratory analysis. These soil samples were analyzed for Total Petroleum Hydrocarbons (TPH), and Benzene, Toluene, Ethylbenzene and Xylene (BTEX). According to the laboratory Reports of Analysis, the soil samples showed the presence of diesel and gasoline-derived hydrocarbons.

TPH concentrations ranged from 881 milligrams/kilogram (mg/kg; MW-3) to 30,700 mg/kg (MW-8). Total BTEX concentrations ranged from 243.9 micrograms/kilogram ($\mu\text{g}/\text{kg}$; MW-4) to 1,500,300 $\mu\text{g}/\text{kg}$ (MW-5). The laboratory Reports of Analysis indicated that the TPH concentrations measured in the soil samples collected from MW-2, MW-4, MW-5, MW-6, MW-9 and MW-10 were derived from gasoline. The TPH in the soil samples from MW-3, MW-7, MW-8, MW-11 and MW-12 were derived from diesel fuel.

During a May 1993, groundwater sampling event of MW-1 through MW-9 (MW-10 through MW-12 were not present during May 1993), free phase petroleum product was measured on the groundwater in MW-1, MW-2 and MW-7; these wells were not sampled due to the presence of product. MW-1 had a detectable product skim; MW-2 had 0.36' of product; MW-7 possessed 0.01' of product. Laboratory analysis of groundwater samples collected from the other six site wells in May 1993 (MW-3, MW-4, MW-5, MW-6, MW-8 and MW-9) indicated that Total BTEX concentrations ranged from 9,032 micrograms/liter ($\mu\text{g}/\text{l}$; MW-3) to 41,210 $\mu\text{g}/\text{l}$ (MW-5). Naphthalene concentrations ranged from 236

µg/l (MW-3) to 525 µg/l (MW-4). TPH concentrations ranged from 65.1 mg/l (MW-3) to 215.0 mg/l (MW-9).

Groundwater samples were collected from MW-10, MW-11 and MW-12 between July 16 and July 22, 1993. Laboratory analysis of these groundwater samples indicated that Total BTEX ranged from 1,476.1 µg/l (MW-11) to 81,408 µg/l (MW-12). Naphthalene concentrations ranged from 124 µg/l (MW-11) to 279 µg/l (MW-10). TPH concentrations ranged from 15.5 mg/l (MW-11) to 64.2 mg/l (MW-12). The laboratory analytical results indicated that the hydrocarbons resembled a mixture of gasoline and diesel fuel constituents.

During a July 14, 1993, gauging event, MW-1, MW-2, MW-5, MW-7, MW-8, and MW-9 were found to have floating free phase petroleum. The petroleum accumulations were measured to be less than 0.01' in MW-1, 0.16' in MW-2, 0.38' in MW-5, 0.01' in MW-7, 0.03' in MW-8 and 0.45' in MW-9.

The risk assessment of this site included an evaluation of potential sensitive receptors and hydrocarbon migration routes. Possible receptors and/or conduits of VOCs are storm sewers (13'-19' depth) and sanitary sewers (8'-12' depth); these utilities may be at risk for hydrocarbon impact. However, VOCs were not detected in any subsurface structures (i.e. utility manways) in the vicinity of the study area during April and May 1993, site visits. It should be noted that the storm sewer system at the site eventually discharges into the Anacostia River. The Anacostia River is a downgradient receptor located within 1,000 feet of the site. There are no drinking water wells located within a 1000-foot radius of the site. All buildings surveyed in the immediate area (within 1000 feet) use public-supplied water. Public drinking water is supplied to this area by the Government of the District of Columbia, Department of Public Works, Water and Sewer Utility Administration (DC DPW). The DC DPW derives its water supply from the Army Corps of Engineers, who obtain the water from the Potomac River, located to the northeast of the District of Columbia.

The information gathered to date indicates that a plume of free phase (liquid) and dissolved phase hydrocarbons exists under the combustion turbine area. This plume appears to exist from the property boundaries along "S" and Half Streets and encompasses the NCTA. The downgradient extent of the plume (specifically the free phase plume) has not been fully delineated to the southwest and west. The groundwater flow, as measured in this investigation is to the southwest under a relatively flat hydraulic gradient of 0.001 foot per foot (ft/ft).

An area reconnaissance revealed the location of a vacant lot northeast of the site, directly across the intersection of Half Street and "S" Street. A review of DCRA files indicated that the vacant lot was a former fuel terminal operated by Steuart Petroleum, and that site assessment and remedial activities are in

process. Based on the information available in DCRA files concerning the Steuart Petroleum site, the following needs to be mentioned:

- 1) the Steuart Petroleum property had been used as a fuel terminal for the storage and distribution of gasoline and fuel oil products from the early 1930's to its closing in 1989,
- 2) free phase petroleum, consisting of mixtures of #2 fuel oil and gasoline, has been found in the subsurface under the site,
- 3) approximately 2,717 gallons of liquid product was estimated to have been recovered at the site between 01/88 and 03/89,
- 4) the liquid phase product plume under the site, based on April 1992, gauging data, extended beyond the Steuart Petroleum property and has migrated under the intersection of "S" Street and Half Street, and had not been fully defined,
- 5) the groundwater flow is primarily to the west, with some of the measured flow being southwesterly toward PEPCO,
- 6) a petroleum hydrocarbon recovery system is currently in operation at the property.

In order to evaluate the site's potential for remediation, as well as evaluate the use of groundwater and product recovery and vacuum extraction technologies, a remedial feasibility test using both technologies was performed on MW-2 in July 1993. During this test, total fluids (groundwater and product) were pumped from MW-2 in order to quantify hydraulic conditions of the water table aquifer. Vacuum extraction test data was used to determine the effective vacuum influence that can be maintained at the site, and the air flow that can be extracted from the soil using existing well(s). Further data evaluation was used to determine the potential hydrocarbon mass recovery rate that can be expected if a pump and treat and vacuum extraction remedial program was implemented at the site. The remedial feasibility test indicated that groundwater recovery and vacuum extraction can be used effectively to remove hydrocarbons from the subsurface at a relatively high recovery rate.

Based on the information and data obtained during this investigation, it appears that the risks to human health and the environment from this site are moderate due to the depth of the observed hydrocarbons in the soils and groundwater. The deeper portions of the storm and sanitary sewers may become impacted as a result of hydrocarbons that may migrate toward these utilities.

Some additional delineation is needed to confirm the extent and the exact source(s) of the subsurface hydrocarbons present at the PEPCO site.

CORRECTIVE ACTION PLAN
REMEDIAL SPECIFICATIONS AND IMPLEMENTATION DETAILS
BUZZARD POINT GENERATING STATION
HALF & S STREETS, SW, WASHINGTON, DC
DC LUST CASE# 93-051
March 10, 1995

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**CORRECTIVE ACTION PLAN
 REMEDIAL SPECIFICATIONS AND IMPLEMENTATION DETAILS
 BUZZARD POINT GENERATING STATION
 HALF & S STREETS, SW, WASHINGTON, DC
 DC LUST CASE# 93-051**

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CORRECTIVE ACTION PLAN
REMEDIAL SPECIFICATIONS AND IMPLEMENTATION DETAILS
BUZZARD POINT GENERATING STATION
HALF & S STREETS, SW, WASHINGTON, DC
DC LUST CASE# 93-051

1.0 INTRODUCTION

This document has been prepared pursuant to the District of Columbia, Department of Consumer and Regulatory Affairs, Environmental Regulation Administration, Underground Storage Tank Management Branch (DCRA's) written directive dated November 2, 1994. The Directive required PEPCO to submit a Corrective Action Plan Report (CAP Report) which "addresses all phases of on-site contamination". This task was completed with the submittal of a draft report, dated December 2, 1994, and entitled "Final Preliminary Corrective Action Plan, Remedial Specifications and Implementation Details".

The Directive also required PEPCO to continue to monitor all wells, remove free phase (product) as observed, and submit monthly project status/free product recovery reports until case closure. These tasks are in the implementation process.

The Directive further identified two areas in Buzzard Point requiring additional assessment. The first area was identified as the former gasoline fueling area located at 180 S Street, SW (PEPCO/Chevron site). The second area was the active above-ground storage tank farm (AST farm). The assessment of these areas were conducted concurrent with the finalization of the CAP and the information gained from the assessment is presented herein, along with the re-iteration of previous assessment information, and re-iteration of the CAP. The report has been prepared as the final document for the Comprehensive Site Assessment and Corrective Action Plan requirements as set forth by DC UST Regulations, DC Municipal Regulations, Title 20, Chapter 62.

The results of all work completed between April 1993 and July 1993 were reported in a Comprehensive Site Assessment (CSA) Report, dated August 11, 1993. An Addendum to the CSA Report was then submitted November 8, 1993, which reported the results of an off-site assessment located at the former 20,000-gallon UST property (180 S Street), west of the CT Yard. A third document was then submitted June 3, 1994 which summarized the results of first quarter 1994 assessment activities and discussed the results of work completed between April 1993 and April 1994.

Included herein is an overview of the results of soil and groundwater quality assessment activities completed at the Combustion Turbine Yard (CT Yard) between April 1993 and February 1995, and the results of additional subsurface assessment activities and the AST farm and former gasoline fueling area (PEPCO/Chevron Site) completed between December 1994 and February 1995. The CT Yard assessment activities included a soil gas survey, installation of sixteen 4"-diameter monitoring wells, sampling and analysis of soil, groundwater and free-phase product samples, and periodic gauging and bailing of product accumulations in twelve of the sixteen wells. The results of the work completed through October 1994 indicated that the free-phase product plume covered a relatively larger area than

the original reported petroleum release volume would suggest. The results of the work also indicated that portions of the product plume were of a gasoline-like origin; however, the only reported petroleum release within the CT Yard was #2 heating fuel oil. Recent assessment activities, including the installation of seven additional 2"-diameter monitoring wells and associated soil and groundwater sampling and analyses, were completed in and around the AST farm and the PEPCO/Chevron site (180 S Street). This recent work was performed in an attempt to identify potential contributing sources of the free-phase petroleum products previously identified in the wells within CT Yard boundaries.

2.0 SUMMARY OF ASSESSMENT RESULTS

2.1 SITE DESCRIPTION

2.1.1 RELEASE HISTORY

In 1968, a 4"-diameter underground pipeline was installed at the CT Yard to supply the combustion turbines with fuel oil from the AST farm located to the north of the CT Yard and S Street, SW. During early 1970's, a fuel oil pipeline leak was detected and repaired. A 15"-diameter monitoring well (MW-1) was then installed near the location of the leak. On January 29, 1993, PEPCO personnel discovered the presence of a liquid petroleum product in MW-1, and notified the DCRA. The DCRA then requested that a sample of the petroleum product be collected and analyzed for characterization, and recommended that a submersible pump be lowered into the well and the liquid petroleum be pumped from the well. On February 1, 1993, PEPCO collected a sample of the petroleum product from MW-1, and submitted such to an independent laboratory for analysis. According to the laboratory Report of Analysis, the sample was a "bi-phase" liquid: the top layer of the sample was a petroleum product and the bottom layer was "aqueous". The aqueous portion of the sample was analyzed for Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX), Volatile Petroleum Hydrocarbons and Semi-Volatile Hydrocarbons (TPHC). The BTEX concentration in the aqueous sample was 2,120 micrograms/liter ($\mu\text{g/l}$). The TPHC concentration in the aqueous sample was 60,000 $\mu\text{g/l}$ TPH-Volatile and 160,000 $\mu\text{g/l}$ TPH-Semivolatile (or 220,000 $\mu\text{g/l}$ TPHC). The petroleum product layer was analyzed for flash point; flash was observed at 162°F. A copy of the Report of Analysis was provided in PEPCO's August 1993 Report to the DCRA.

On February 23, 1993, PEPCO submitted a letter to DCRA stating that DCRA's recommendations for laboratory analysis and pump installation had been followed, and PEPCO planned to continue the pumping and recovery of petroleum product until May 1993, in an effort to determine whether or not the product would dissipate with pumping. If after May 1, dissipation of the product seemed unlikely, PEPCO would make a determination as to whether a Comprehensive Site Assessment and a Corrective Action Plan would be necessary. After review of PEPCO's proposed plan for continued pumping of the petroleum product, the DCRA issued a directive requiring a Comprehensive Site Assessment and Free Product Abatement (FPA) until further notice. In response to the written directive, PEPCO initiated the Comprehensive Site Assessment in May 1993.

2.1.2 SITE DESCRIPTION

The CT Yard is located at "Half & S Streets", SW, Washington, DC (38°52'00" latitude and 77°00'40" longitude). The facility consists of five operating or activity areas. Facilities within these areas are depicted in Figure 1, and are discussed in greater detail below.

- Area 1: power station, switchyard, and combustion turbine area,
- Area 2: retired #6 fuel oil tank and laydown area,
- Area 3: gasoline fueling and conduit building area,
- Area 4: #2 fuel oil tank yard, and
- Area 5: screen house area.

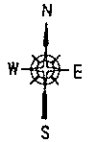
Area 1 consists of the power station, switchyard and combustion turbine area, and is at the center of the five operating areas. The power station consists of six retired oil-fired steam generators and related equipment. The power station was fueled by coal prior to the use of oil. This power plant was activated in 1928 and continued operation until 1981. The switchyard was historically used as the power station's coal yard prior to becoming the switchyard. The CT Yard consists of 16 combustion turbines, associated equipment and work trailers. The CT Yard serves as a substation when not used for generating power during periods of peak demand. The CT Yard and switchyard are the primary areas of interest of this investigation and remediation project.

The retired #6 fuel oil tank and laydown area is west of the decommissioned power station. The retired #6 fuel oil tank is a 1.9-Million gallon AST, used to fuel the oil-fired steam generators via an underground pipeline buried under First Street. This tank was taken out of service when the power station was decommissioned in 1981. A fire fighting foam house is located next to the retired #6 fuel tank. This fire fighting foam house is still operable. The remaining portion of this area is used for storage by a private contractor and by the Federal Bureau of Investigation for vehicle storage. Prior to the construction of the #6 fuel oil tank and foam house, this area was used as a coal yard.

North of the retired #6 fuel oil tank area and west of the CT Yard is the former gasoline fueling and old conduit building area (PEPCO/Chevron site or 180 S Street site). This area consisted of a former maintenance building now used for storage, and an unmanned gasoline distribution area. The gasoline distribution area was supplied with gasoline via a 20,000-gallon underground fiberglass reinforced plastic storage tank (assessed within the November 1993 Report). This tank was removed in early August 1993 as part of a scheduled cost cutting measure and not due to any known release problems. The tank had passed structural integrity pressure testing on July 31, 1992. DCRA directed that this area be assessed after initiating assessment of the CT Yard. Subsequent to the submittal of an assessment report for this site to the DCRA, DCRA issued a letter approving conditional closing of this case. However, the recent DCRA Directive issued in November 1994 required that the "180 S Street" site be assessed. Since this time, it was determined that the former gasoline fueling area site and the PEPCO/Chevron site are the same exact site at 180 S Street. In order to support the findings of the initial assessment and provide further areal wide information, an additional monitoring well (MW-21) was installed in this area in close proximity to MW-13 (installed to initially assess the property and used to gain the initial conditional closure).

POTOMAC ELECTRIC POWER COMPANY

1st & V Street, S.W.
Washington, D.C.
Buzzard Point Generating Station



Small Business

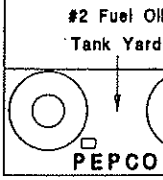
Opportunity
Concrete

Salt
Dome

POTOMAC AVE., SW

X STREET SW

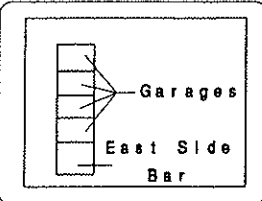
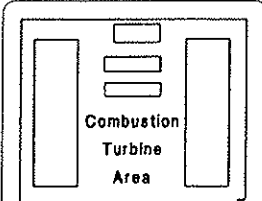
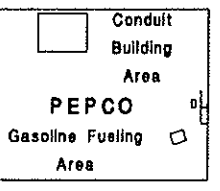
Super Salvage
Salvage Yard



Former
Stewart
Petroleum
Fuel Terminal

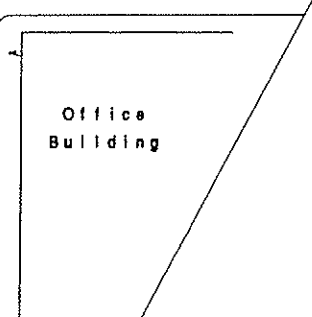
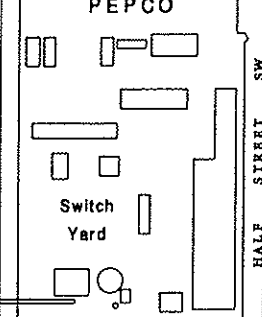
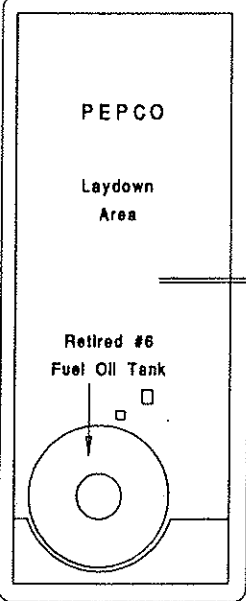
Amarada
Hess

S STREET SW



Fort
McNair

T STREET SW



SECOND STREET SW

FIRST STREET SW

HALF STREET SW

Screen
House

Power
Plant

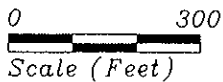
V STREET, SW

ANACOSTIA RIVER

National
Park Service
James Creek
Marina

U.S.
Coast
Guard
Headquarters

Buzzard
Point
Marina



TPH
FILE: 9305BARE
DRAWN BY: ML.
DATE: 6-8-93

FIGURE 1: SITE MAP

North of the CT Yard is the AST farm. This area contains two .411-million gallon ASTs, two truck unloading pads, and a fire fighting foam house. The ASTs service the combustion turbines in the CT Yard via an underground pipeline located beneath the eastern half of S Street between First and Half Streets, SW. This area was recently assessed to determine if it represented a potential source of the free-phase petroleum found beneath the CT Yard. Six monitoring wells were recently installed in the area of the ASTs and between the ASTs and the CT Yard along the northern side of S Street (MW-18, 19, 20, 22, 23 and 24).

East of the decommissioned power station is the screen house. This building was used to supply cooling water to the power station and was decommissioned at the same time as the power station (1981).

2.1.3 SUBSURFACE UTILITIES

The CT Yard is heavily covered by overhead utilities and underlain by underground utilities, the latter being mainly high-voltage electrical lines and #2 heating oil lines. Telephone services are supplied via underground lines serviced by Bell Atlantic. The telephone and electric lines servicing the PEPCO substation site are located underground. The site is supplied water by the District of Columbia, Department of Public Works, Water and Sewer Utility Administration (DC DPW). Water mains are located approximately 4' to 6' beneath the center of Half, First, S and T Streets. Specifically, T Street is the "southern" border of the CT Yard. Sanitary and storm sewer mains, maintained by the DC DPW, are located 8' to 12' beneath the center of Half, First, S and T Streets. The storm sewers flow west towards Second Street where they empty into a $\approx 7\frac{1}{2}'$ diameter storm sewer main which then discharges southerly to the Anacostia River. Several smaller storm drain systems are located in the centers of S and T Streets. These storm sewers flow east and discharge into the Anacostia River. Natural gas is supplied by Washington Gas Energy Systems, Inc.

2.1.4 TOPOGRAPHY & DRAINAGE

The elevation of the CT Yard is $\approx 20'$ above mean sea level. The site gently slopes towards the south-southwest towards the Anacostia River. Surface water from the site is controlled by curb-side gutters and storm sewers. Surface run-off from the site is directed primarily to the west (to Second Street).

2.1.5 REGIONAL GEOLOGY

The site is located in the Atlantic Coastal Plain Physiographic Province. According to the USGS "Geologic Map of Washington, D.C. and Vicinity," the site is located on the Pamlico Formation and Recent Alluvium. The Pamlico Formation is composed of gravel, sand and silt, and fill.

2.1.6 LOCAL GEOLOGY

Soil samples collected during assessment activities indicated that the texture and lithology of the soil beneath the CT Yard are consistent with the Pamlico Formation. Some areas of the site have been cut and re-filled with fill as the historical use of the Buzzard Point area was at one time residential. The soil beneath the site was primarily silty sand with minor amounts of gravel. Coarse-grained gravel layers were encountered in the eastern half of the study area at $\approx 25'$ depth, and underlain by a red-brown clay. With increased distance to the west, the soil lithology becomes more clayey. All soil borings were terminated upon reaching this clay material, if encountered, or 25' to 27' depth to maintain well depth consistency. The vadose zone soil is composed of stratified silty loam and clayey silts. The water table aquifer sediments consist of fine to medium grain sand with minor fractions of silt and gravel; again, in the western direction, an increased portion of clay can be discerned in the water table sediments.

The lithologic profile of the former PEPCO/Chevron site, as defined by the drilling and soil sampling of MW-13 and MW-21, was characterized by a firm, silty, red clay fill to a depth of 25' which is underlain by a medium to coarse grained, water-saturated sand. This area differs from that described for most of the CT Yard and likely reflects a fill zone created during removal and over-excavation of the former USTs from this area and historical land use. Appendix A provides a table summarizing the lithologic profile of all monitoring wells installed at the PEPCO facilities, along with the geologic and well construction logs of MW-18 through MW-24.

2.1.7 HYDROGEOLOGY

Based on gauging data collected between May 1993 and February 1995, the depth to groundwater beneath the site has averaged $\approx 19'$ below grade with a range between $15\frac{1}{2}'$ to $20\frac{1}{2}'$ due to topography and seasonal fluctuations. Between November 1993 and February 1995, the elevation of the groundwater surface has fluctuated within an average range of $\approx 3'$, with the highest water level being recorded in the March-April 1994 time period, and the lowest being recorded most recently in February 1995. The groundwater flow direction is to the west-southwest under a hydraulic gradient of 0.0003 to 0.001 foot per foot (ft/ft, depending on time of year and depth of water table surface). Steeper gradients were measured during May to August 1993; smaller gradients were measured during February to May 1994.

Figure 2 provides a contoured groundwater elevation map of the study area. Please note, previous reports have used different elevation datums to construct groundwater elevation maps. Per DCRA Policy, top of well casing (TOC) elevations are to be surveyed to a USGS benchmark, as was completed for the June 1994 Report. However, because the surface elevation is $\approx 20'$, and the depth to the water table surface near 20', corrected water table elevations are actually below mean sea level (e.g. negative elevation). To relieve confusion, Figure 2's groundwater map uses a benchmark datum arbitrarily affixed with a relative elevation of 50' from which site wells (or TOCs) have been surveyed.



TPH
FILE: 93058SUR
DRAWN BY: M.L.
DATE: 4-5-94

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POWER COMPANY
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Washington, D.C.
Buzzard Point
Generating Station

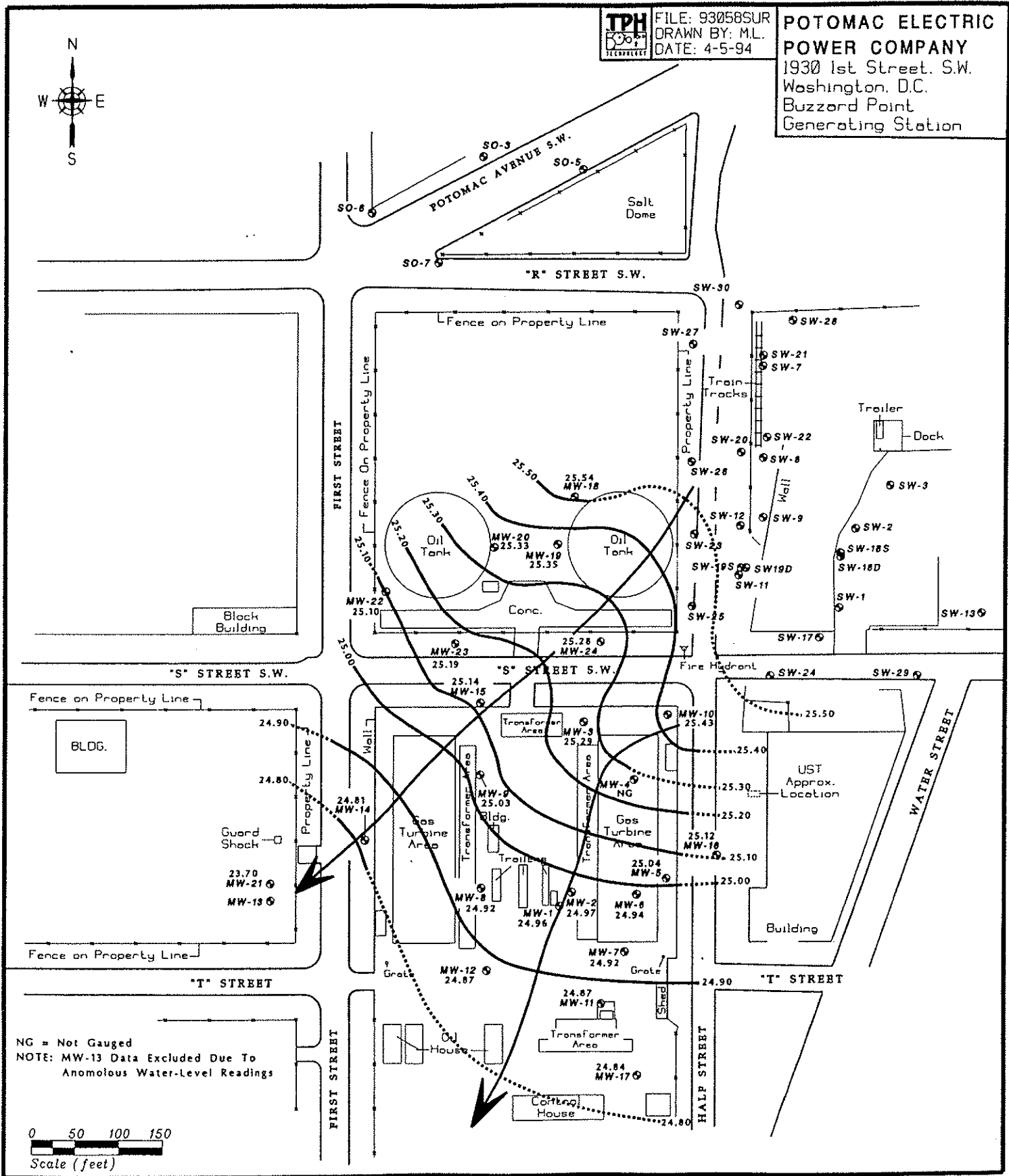


FIGURE 2: GROUNDWATER ELEVATION MAP (2/17/95)
0.10' CONTOUR INTERVALS

Based upon pumping test data obtained in July 1993 from MW-2, the transmissivity (T) of the water table aquifer is 18,620 gallons per day per foot (gpd/ft). The hydraulic conductivity is 2,325 gallons per day per square foot (gpd/ft²), using a saturated thickness of 8' [25' to top of clay depth - 17' average depth to water during time of pumping test = 8' saturated thickness]. The natural pore velocity (V_{nat}) of the water table aquifer is estimated to be on the order of ½ to 1 ½ feet per day (\approx 170 to 565 feet per year), assuming an effective porosity (Φ_e) of 0.2.

2.2 SITE ASSESSMENT ACTIVITIES & RESULTS

2.2.1 SOIL GAS, WELL INSTALLATION & SOIL QUALITY ASSESSMENT

Before subsurface exploration work was initiated in early 1993, a product sample was collected from MW-1 (the existing 15" diameter well) and analyzed for Polychlorinated Biphenyls (PCBs) and flashpoint. Laboratory analysis of this sample did not detect the presence of PCBs at or above the laboratory detection limits. Flash was observed at 55°C (131°F).

The initial site assessment at the CT Yard included a shallow soil gas survey (SGS). The purpose of the SGS was to analyze soil pore vapor at 3 ½' to 10' depth for the presence of BTEX, Total Volatile Hydrocarbons (TVHC, C₄ - C₉), and Total Semi-volatile Hydrocarbons (TVHC C₁₀ - C₂₅). Soil gas samples were collected from 52 locations in and around the CT Yard. Based on the distribution of hydrocarbon concentrations in SGS sample locations, proposed locations of eight monitoring wells were selected. The methodology and results of the survey are reported in the August 1993 Report.

Between May 10 and 13, 1993, eight monitoring wells (MW-2 through MW-9) were installed in the CT Yard using hollow stem auger (HSA) drilling methods. Three additional monitoring wells were installed in the CT Yard using HSA methods on July 6 and 22, 1993 (MW-10, MW-11 and MW-12). On October 11, 1993, MW-13 was installed using HSA methods in the confines of the former tankfield of the 20,000-gallon UST located on the 180 S Street. MW-13 was discontinued for site assessment purposes in July 1994 pursuant to PEPCO's receipt of DCRA's "letter of compliance" approving closure of the 20,000-gallon UST site project. However, as stated above and latter in this report, this site/case was re-opened per the DCRA Directive to assess 180 S Street (PEPCO/Chevron site) which had also contained two additional USTs used for gasoline and diesel storage. Between January 25 and 31, 1994, MW-14, 15, 16 and 17 were installed within and immediately outside the walls of the CT Yard using HSA methods. The existing 15" diameter observation well was designated as MW-1. Subsequent to the November 2, 1994 DCRA Directive, seven additional monitoring wells (MW-18, 19, 20, 21, 22, 23 and 24) were installed using HSA techniques in the AST farm and the above mentioned 180 S Street site (former PEPCO/Chevron fueling area) between January 27 and 30, 1995.

During drilling operations of the above wells, soil samples were collected using split spoon and grab sampling methods, and screened in the field for the presence of VOCs using a photoionization device (PID) and the headspace analysis technique. Each sample jar was filled to approximately 3/4 capacity to create a headspace. Additionally, from each well location, a portion of the soil sample exhibiting the highest VOC concentration or the soil sample collected across the apparent groundwater surface (if all soil samples exhibited less than detection limits for VOC within a borehole) was submitted to a laboratory for analysis of BTEX and TPHC, using EPA Methods 8240 and 8015, respectively. Soil samples from MW-18 through MW-24 were also analyzed for Naphthalene.

Appendix A summarizes the soil profile, soil quality data and approximate screened intervals of MW-2 through MW-24. A geologic and well construction log for MW-1 and an assessment of its soil quality was not produced during installation by PEPCO. Well logs for MW-2 through MW-17 are available in the August and November 1993, and June 1994 Reports. Well logs for MW-18 through MW-24 are contained in Appendix A. Laboratory Reports of Analysis for soil samples obtained from MW-2 through MW-17 are contained in previous reports.

Analytical testing results for soil samples collected during the recent supplemental assessment using MW-18 through MW-24 are summarized in Tables 1 and 2. As shown, the soil samples selected for laboratory analysis (exhibiting the maximum volatile vapor readings during field screening) consistently were encountered at or about the depth of the water table surface (e.g. 20' to 22' depth), suggesting migration of these compounds from a distal source via the groundwater surface. The highest BTEX concentration was identified in the sample collected from MW-20 at 20' to 22' depth (1.028 milligrams per kilogram (mg/kg)). Benzene was generally non-detectable in all of the samples collected from MW-18 through MW-24, with the exceptions of the soil samples collected at 20' to 22' from MW-23 and 24. The maximum TPHC concentration was detected in the sample obtained from MW-20 (2350 mg/kg TPHC-Gasoline Range Organics, or TPHC-GRO). Detectable TPHC compounds, primarily measured and reported as Diesel Range Organics (DRO), were also found in the samples collected from MW-19, 23 and 24. Naphthalene was found in four of the seven soil samples (MW-19, 20, 23 and 24) ranging to a high of 0.356 mg/kg in MW-20.

Minor indications of adsorbed phase hydrocarbons (measured as VOCs using the PID-headspace method) were encountered at shallower depths (10' to 15' depths) in MW-19, 20 and 23, as summarized in Appendix A's Soil Quality & Lithology Table. Even in consideration of these areas of hydrocarbon presence, there was a general lack of qualitative or quantitative data indicating that the AST farm or the former PEPCO/Chevron site are major contributing source(s) of the hydrocarbons on and within the water table beneath the CT Yard.

All soil cuttings resulting from the drilling operations were stockpiled on-site. A composite soil sample was collected from the stockpiles and analyzed for disposal characteristics after the "May 1993" wells were installed. These analyses included: BTEX, TPH, EOX (Extractable Organic Halogens), PCBs, TCLP (Toxicity Characteristic Leaching Procedure)-Metals, Corrosivity (pH), Ignitability (Flashpoint), % Moisture (% Solids) and Reactivity (with water, sulfide and cyanide). PEPCO has disposed of all soil generated during drilling activities.

Soil Analytical Testing Results for MW-18 through MW-24. PEPCO--Buzzard Point.

Table 1- Soil Analytical Testing Results --MW-18 through MW-24(BTEX and Naphthalene)							
Sample Identification	MW-18/19-21 ft.	MW-19/20-22 ft.	MW-20/20-22 ft.	MW-21/25-27	MW22/20-22	MW23/20-22	MW24/20-22
Benzene	bql	bql	bql	bql	bql		
Ethylbenzene	bql	89.2	bql	bql	bql	1.38	4.03
Toluene	bql	bql	260	bql	bql	44.8	101
Xylenes	bql	bql	bql	bql	bql	bql	bql
Total BTEX	bql	89.2	768	1.87	bql	141	93.1
Naphthalene	bql	271	1,028	1.87	bql	187.18	198.13
			356	bql	bql	27.7	79.9
Notes: Results reported in ug/kg, parts-per-billion. BQL= below method quantitation levels.							
Method SW 846 8240							
Table-2 Soil Analytical Testing Results--MW-19 through MW-24(Total Petroleum Hydrocarbons)							
Sample Identification	MW-18/19-21 ft.	MW-19/20-22 ft.	MW-20/20-22 ft.	MW-21/25-27	MW22/20-22	MW23/20-22	MW24/20-22
Diesel Fuel	bql	808	bql	bql	bql	7.5	92.6
Gasoline	bql	bql	2530	bql	bql	bql	bql
Heavy Oil	bql	bql	bql	bql	bql	bql	bql
Jet Fuel	bql	bql	bql	bql	bql	bql	bql
Kerosene	bql	bql	bql	bql	bql	bql	bql
Mineral Oil	bql	bql	bql	bql	bql	bql	bql
Naptha	bql	bql	bql	bql	bql	bql	bql
Paint Thinner	bql	bql	bql	bql	bql	bql	bql
Stoddard Solvent	bql	bql	bql	bql	bql	bql	bql
Total Unknown	bql	bql	bql	bql	bql	bql	bql
Notes: Reported in mg/Kg, parts-per-million. BQL=below method quantitation limits.							
Method 8015 Modif.							

2.2.2 WELL GAUGING & WATER QUALITY ASSESSMENT

With the exception of recently installed MW-18 through MW-24, relative elevations of the site wells' top of casings (TOCs) and grade level were surveyed by a licensed surveyor using an established USGS elevation benchmark. Elevation measurements for MW-18 through MW-24 were tied into the previously established site elevation grid, but the benchmark was affixed with an arbitrary datum of 50' to allow for easily understandable groundwater elevations. This was done because the depth to the water table surface is $\approx 20'$, and corrected water table elevations were historically near zero elevation or negative elevation (e.g. below mean sea level).

Depths to product (if present) and groundwater have been measured ≈ 36 times between May 1993 and February 1995. Measurements were made using an audible, oil/water interface probe, and were taken from the north rim of the TOCs with 0.01' accuracy. The relative groundwater elevations in the wells were calculated by subtracting the measured depth to groundwater in a well from the respective TOC elevation. If free-phase product was present, the depth to groundwater was calculated by subtracting the measured depth to groundwater from the TOC elevation and adding the value of product thickness multiplied by product specific gravity. The in-situ specific gravity of the product in MW-2 was measured to be 0.86. Appendix B provides hydrographs for all site wells depicting the groundwater surface fluctuations and product accumulation fluctuations. Appendix B also provides the groundwater gauging and sampling database from which the hydrographs are based.

Groundwater quality in site wells has been assessed twice in most wells in the study area, except for the more recent MW-18 through MW-24. Because most site wells contain free-phase product, repeated groundwater sampling (e.g. quarterly schedule) was not imperative to assess groundwater quality. Groundwater sampling events were conducted on May 19, 1993 (sampling of MW-3, 4, 5, 6, 8 and 9), July 14 and 23, 1993 (MW-10, 11 and 12), October 19, 1993 (MW-13), February 24, 1994 (MW-3, 4, 6, 8-14 and 17) and January 1995 (MW-18, MW-19, MW-20, MW-21, MW-22, MW-23 and MW-24). During the May 1993 event, MW-1, 2 and 7 contained free-phase product and were not sampled, MW-10 through MW-17 did not exist at the time. During the July 1993 events, only MW-10, 11 and 12 were sampled as part of the expansion of the monitoring well network. During the October 1993 event, only MW-13 was sampled as part of the assessment of the 20,000-gallon UST site. During the February 1994 event, MW-1, 2, 5, 7, 15 and 16 contained product and groundwater samples were not collected. During the May, July and October 1993 events, BTEX, Naphthalene and TPHC were analyzed using EPA Methods 624 and 8015M. During the February 1995 event, BTEX, Naphthalene, TPHC and Methyl-tert Butyl Ether (MTBE) were analyzed using the same EPA Methods.

The results of the sampling events are depicted graphically in Appendix B; the database for the groundwater quality results are also tabulated within the gauging and sampling database of Appendix B. Copies of the laboratory Reports of Analysis for historical sampling events are provided in the August and November 1993, and June 1994 Reports. Tables 3 and 4 present a summary of water quality data obtained from MW-18 through MW-24. Copies of the laboratory results for these analyses are contained in Appendix C. The analytical results are also displayed on the hydrocarbon plume map presented as Figure 3.

Groundwater Quality for MW-18 through MW-24, PEPCO Buzzard Point (2/8/95)

Table 3--Groundwater Analytical Testing Results (BTEx/Naphthalene/MTBE)							
Sample Identification	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24
Benzene	22.4	bql	10.8	1.23	bql	161	754
Ethylbenzene	bql	64.6	443	bql	bql	2610	1170
Toluene	1.45	bql	bql	1.16	bql	288	bql
Xylenes	bql	bql	1310	bql	3.62	11600	1020
Total BTEx	23.85	64.6	1763.8	2.39	3.62	14659	2944
Naphthalene	2.49	171	171	2.1	bql	651	738
MTBE	bql	bql	bql	85.1	bql	bql	bql
Notes: Results reported in ug/L, parts-per-billion. BQL=below method quantitation limits.							
Method 624							
Table 4-- Groundwater Analytical Results (Total Petroleum Hydrocarbons)							
Sample Identification	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24
Diesel Fuel	1.14	144	bql	bql	bql	bql	164
Gasoline	bql	bql	15	bql	bql	267	bql
Heavy Oil	bql	bql	bql	bql	bql	bql	bql
Jet Fuel	bql	bql	bql	bql	bql	bql	bql
Kerosene	bql	bql	bql	bql	bql	bql	bql
Mineral Oil	bql	bql	bql	bql	bql	bql	bql
Naptha	bql	bql	bql	bql	bql	bql	bql
Paint Thinner	bql	bql	bql	bql	bql	bql	bql
Stoddard Solvent	bql	bql	bql	bql	bql	bql	bql
Total Unknown	bql	bql	bql	bql	bql	bql	bql
Notes: Results reported in mg/L, parts-per-million. BQL=below method quantitation limits.							
Method 8015 Modif.							



FILE: 9305BSUR
 DRAWN BY: M.L.
 DATE: 4-5-94

**POTOMAC ELECTRIC
 POWER COMPANY**
 1930 1st Street, S.W.
 Washington, D.C.
 Buzzard Point
 Generating Station

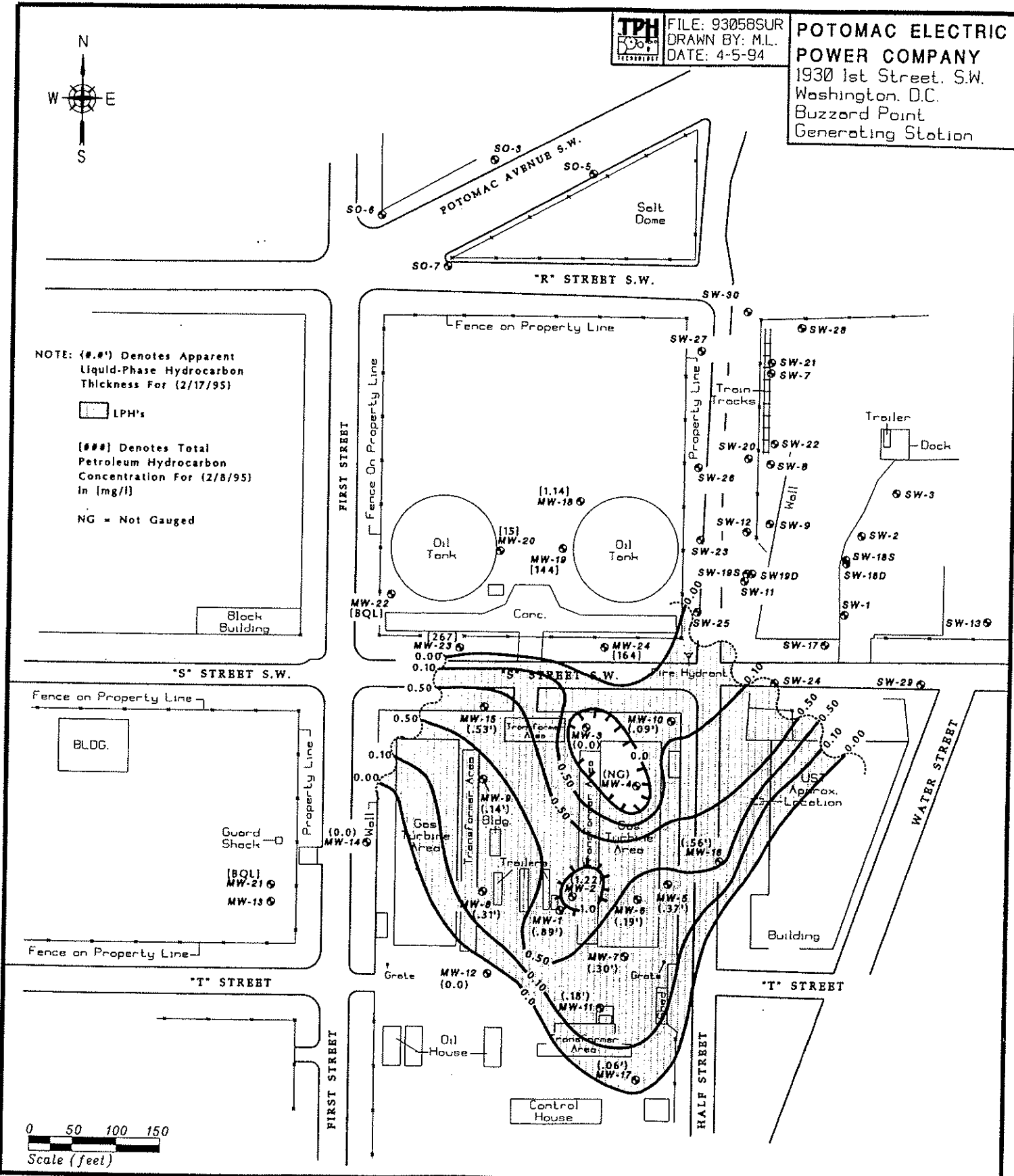


FIGURE 3: HYDROCARBON OCCURRENCE MAP (2/17/95)
 CONTOUR INTERVALS (FEET)

As shown in Tables 3 and 4, dissolved hydrocarbon constituents were identified in water samples collected from all seven newly installed wells. The highest BTEX concentration measured in the recent monitoring well samples was in the sample collected from MW-23 (14.659 milligrams per liter, mg/l); the lowest was 0.00289 mg/l BTEX, as measured in the sample collected from MW-21, located at the 180 S Street site (former PEPCO/Chevron site). Total dissolved BTEX concentrations less than 0.1 mg/l were found in the water samples collected from MW-18, MW-19, MW-21 and MW-22. The remaining three wells contained 1.7638 mg/l (MW-20), 2.444 mg/l (MW-24) and 14.659 mg/l (MW-23).

Naphthalene, a common component of most fuel oils (including gasoline), was detected in groundwater samples from MW-18, MW-19, MW-20, MW-21, MW-23 and MW-24 ranging to a high of 0.738 mg/l in MW-24.

Dissolved Total Petroleum Hydrocarbon (TPHC) compounds characteristic of diesel fuel range organics (TPHC-DRO) were detected in the groundwater samples obtained from MW-18 (1.14 mg/l), MW-19 (144 mg/l) and MW-24 (164 mg/l). Gasoline range TPHC compounds (TPHC-GRO) were found at concentrations of 15 mg/l (MW-20) and 267 mg/l (MW-23).

2.2.3 PRODUCT & WATER QUALITY CHARACTERIZATION

Product characterization analyses were performed on product samples collected from MW-1, 2, 5, 7, 15 and 16 on February 24, 1994. Please note that these six wells were the only wells to contain product on this date. Subsequent gauging events have indicated that product is typically present in all but four of the CT Yard's 16 "on-site" wells (MW-3, 4, 12 and 14). This February 1994 sampling event (groundwater and product sampling) was performed in response to DCRA's request for mutual site assessments between PEPCO and Steuart Investment Company (SIC), representatives of the owner/operator of former petroleum handling facilities on the property located immediately northeast (and hydraulically up-gradient) of the CT Yard and immediately east of the AST farm. The results of the February 1994 sampling event, and a discussion of the implications of the results are provided in the June 1994 Report, and in SIC's Report, dated June 24, 1994 (prepared by Greentree Compliance Incorporated (GCI), consultant to SIC). The product characterization activities resulted in the following conclusions and/or items of concern:

- The products in PEPCO site wells were a mixture of diesel-range distillates (e.g. #2 heating oil) and gasoline-derived compounds. The majority of the diesel-range product was concentrated in the vicinity of MW-1 and 2 (the original release location of the #2 heating oil) with $\approx 75\%$ or more of fuel oil and 25% or less of gasoline. Gasoline components represented 70% to 90% of the products in the samples collected from MW-5, 7, 15 and 16.
- The gasoline components in the above wells were identified to be of 1980s vintage by SIC and GCI's subcontracted laboratory, World Geosciences Incorporated (WGI). MW-16 product's gasoline contribution ($\approx 90\%$) was identified by WGI to be early to mid-1980s, and is similar to the gasoline contribution to one of SIC's most down-gradient wells (SIC MW-24). The product in SIC wells also contains 1970s vintage gasoline (not originating from SIC historical operations), and pre-1970 gasoline (which was derived from historical operations at the SIC property).

- The 1970s/1980s vintage gasoline products in PEPCO and SIC wells has been determined to not originate from any historical PEPCO activity within the CT Yard-Buzzard Point Facility. Further, such did not originate from any historical activity within the SIC property.
- PEPCO MW-9 and 12 were impacted by minimally degraded fuel oil, with some characteristics indicating their source is from the same/similar source impacting MW-5 and 16.
- The dissolved hydrocarbons in SIC's MW-25 water sample appeared to be derived from fuel oil associated with free product in PEPCO MW-15.
- Portions of the soluble hydrocarbons concentration signatures of the groundwater in MW-4 and 6 are similar to that displayed in MW-9 and 12, but MW-9 and 12 lack a fuel oil contribution.
- The gasoline source impacting MW-8 is different than the gasoline source which impacted MW-4, 6, 9 and 12. Portions of MW-8's gasoline signature are similar to that in MW-3 and 10, and SIC MW-24.
- The gasoline contributions to the groundwater in MW-17 could be a mixture of that from MW-3, 8 and 10, with that from MW-4, 6, 9 and 12.
- The water sample from PEPCO's MW-11 had predominately Benzene, and its hydrocarbon source was not indicative of a gasoline or fuel oil sources.

In consideration of the water quality beneath the CT Yard, the February 1994 groundwater analytical results of MW-3, 4, 6, 8-14 and 17 also indicated the following. By March-May 1994, MW-6, 8, 9, 10, 11 and 17 had since developed free-phase product. The groundwater surface had increase to its recorded high during early April 1994, and then began to decline by late-April 1994, and continued to decline through late-June 1994. Groundwater level fluctuations remained within a relatively small range between late-June 1994 through September, when in October 1994, the fluid levels began to decline. The water table surface in February 1995 is the lowest recorded water level.

At the time of this writing, liquid-phase hydrocarbons have not been observed in any of the seven recently installed monitoring wells (MW-18 through MW-24). Groundwater quality data obtained from MW-18 through MW-24 are the basis of the following general observations and conclusions regarding the nature and origin of the hydrocarbons in the CT Yard.

- Benzene typically represents a very low proportion (average of <4%) of the BTEX suite in groundwater samples exhibiting total BTEX concentrations 0.1 mg/l (i.e. MW-20, MW-23 and MW-24). The absence of dissolved Benzene is consistent with the BTEX ratios of associated soil samples and is likely the result of weathering of an aged gasoline product and/or an indication of a non-volatile hydrocarbon source (i.e. diesel fuel) for these compounds.

- Elevated dissolved BTEX concentrations detected in MW-20 and MW-23 are found in combination with the presence of elevated Naphthalene concentrations (171 and 651 mg/l, respectively) and dissolved TPHC-GRO concentrations (15 and 267 mg/l, respectively) suggesting a mixed weathered gasoline/diesel fuel source.
- MW-18, located on the hydraulically up-gradient portion of the AST farm, contained dissolved hydrocarbon compounds at a concentration of 0.02385 mg/l BTEX, 0.00249 mg/l naphthalene and 1.14 mg/l TPHC-DRO, suggesting some degree of area-wide groundwater degradation and potential up-gradient source(s).
- MW-21, located within the tank pit excavation of the former PEPCO/Chevron site (drilled near MW-13, but screened into the lower regions of the water table aquifer, with MW-13 screened in the backfill material of the former 20,000-gallon UST tankfield), exhibited near non-detect BTEX concentration of 0.00289 mg/l BTEX. MTBE was also detected in this well's water sample at 0.0851 mg/l, suggesting minimal leaching from residual vadose zone source material in this area.

2.2.4 ASSESSMENT OF GROUNDWATER SURFACE & PRODUCT PLUME

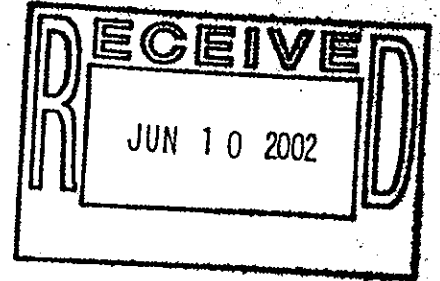
Based on the ≈ 36 groundwater gauging events conducted between May 1993 and February 1995, the groundwater surface has been well characterized. Figure 2 provides a contoured water table elevation map based on gauging data collected in February 1995. Figure 3 provides a contoured product accumulation-hydrocarbon occurrence map, based on product accumulations measured in site wells on February 17, 1995, and TPHC concentrations measured in January 1995 (of MW-18 through MW-24). Please note, the product accumulation in site wells is a reflection of the extent of product within the subsurface, but does not reflect the actual thickness found in the native soil. Typically, the product thickness in the soil is on the order of 6% to 30% of the product accumulation in a typical 4"-diameter monitoring well. The relativity of the actual thickness within the soil, as compared to that which can be measured in monitoring wells was not measured at this site. However, based on site geology, the ratio of actual thickness (within the soil) versus apparent thickness (within the well(s)) may be on the order of 20% to 30% (e.g. 0.2 to 0.3). Based on the extent of the free-phase petroleum plume, as depicted in Figure 3, the average product thickness in site wells in and immediately adjacent to the CT Yard is $\approx 0.27'$. Thus, the actual thickness in the water table aquifer soil is $\approx 0.05'$ to $\approx 0.08'$. The product plume encompasses an area of at least 17,200 square feet. Assuming that the porosity of the water table aquifer is ≈ 25 to 35%, the product plume on February 17, 1995, and as depicted in Figure 3, represented 1,600 to 3,600 gallons of petroleum. Please note, the product plume is not defined east of MW-16 and west of MW-15. Additional delineation of the plume in the area between MW-8 and MW-14 is proposed to be addressed during corrective action activities, as discussed later in this document.

Environment Management Services

Certified Mail - 70011140000299426668

June 7, 2002

Mr. Kofi Berko, Ph.D.
DC Department of Health
EHA/UST Division
51 N St., NE, 3rd Floor
Washington, DC 20002

**Re: LUST Case # 93-051 – Buzzard Point Station**

Dear Dr. Berko:

This letter and attachments 1-8 constitute Pepco's progress report on the status of the groundwater remediation project at Buzzard Point Station. The attachments were prepared by TPH Technology, Inc. for Pepco. As DOH is well aware, Pepco remains fully committed to its goal of remediating of petroleum product at Buzzard Point Station. However, based on a review of the past year recovery operation and results of recent well gauging and sampling of selected wells, Pepco strongly believes that the free phase product has been removed to the maximum extent practical by application of two remediation systems in place since 1996. Accordingly, Pepco is seeking approval to move to a passive remediation phase in removing the de minimus amount of petroleum that remains at this site.

From January 1996 - November 1999, a soil vapor extraction - product pumping system operated at Buzzard Point station to address the petroleum contamination underneath the combustion turbine area. This system removed approximately 6925 gallons of petroleum. By November 1999, the rate of recovery was so slow due to lack of petroleum that the system was deactivated. Monitoring and gauging of the wells continued while alternative measures were studied for recovery of remaining mass of petroleum at the site. In May 2001, a portable high vacuum pump and treat system was installed to recover product from two monitoring wells (MW-5 and 11) that contained the largest amount of product. This system operated on MW-5 from mid May - June 2001 and then operated on MW-11 from July 2001-April 2002. In total, the system removed an estimated 1.5 million gallons of groundwater and 1,350 gallons of petroleum from the two wells. Groundwater sampling of selected wells and gauging of all wells were conducted February - April 2002 (Attachment 1 and 2 respectively). The recovery system was removed from service on April 2 in order to allow ground condition to stabilize while a review of the past year recovery data is conducted to determine the next feasible course of actions.

A review of the past year recovery operation indicates that the vacuum enhanced pump and treat system has removed the free phase product from the two wells, MW-5 and 11 that contained the largest amount of petroleum, to the maximum extend practical. This system was originally installed to operate on MW-5 and 11 for two (2) months. However, with severe regional draught, causing a large drop in groundwater table, which in turn exposed the entrapped product in the soil below groundwater table, the operation of this system was extended to eleven (11) months to maximize the recovery of product. Based on the April 2, 2002 gauging data, the thickness of product in MW-5 was Zero and in MW-11 was 0.01 feet. In addition, the pump could not sustain a longer-term operation without tripping. The natural iron content of the local groundwater cause clogging of the pump and associated equipment and further operation of this system requires a prolonged funding for O&M with unappreciable recovery rates.

when before of near zero

Attachment 1 shows the sampling data for seven wells (MW-4, 5, 6, 9, 10, 17, 25), the same wells that were sampled in November 2000. The results show that the benzene level is below 0.5 mg/l for all wells except MW-25, and although it is above the drinking water standards, it has significantly decreased from the November 2000 sampling event. The Toluene, Ethyl benzene and Xylenes levels for all wells are below the drinking water standards. Eleven wells (MW-3, 12, 14, 18, 19, 20, 21, 22, 26, 27, 28) were free of product during both the November 2000 and February 2002 gaugings and were not sampled. Five wells (MW-2, 7, 11, 15, 24) contained free phase product and were not sampled. The product thickness in GVPs was also exaggerated because they are constructed of 1 1/4" casing that display overstated thickness. To confirm such thickness, those wells and GVPs containing product were gauged again May 31- June 7 and the results were significantly lower as shown in Table 1.

Attachment 3 shows the hydrograph of selected wells and the relationship between groundwater table elevation and product thickness. Attachment 4 is the groundwater flow and petroleum plume map based solely on the February gauging. Attachments 5 and 6 are respectively summary of recovery operation data and graphs. Attachments 7 and 8 are respectively summary of discharge results and analysis of influent and effluent samples collected during the recovery operation.

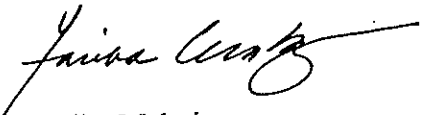
In requesting to move to a passive remediation phase, the following factors were also evaluated:
a) drinking water to the area is supplied by the city, therefore, groundwater is not used as potable water and there is no drinking water well on-site or in its vicinity, b) due to a flat gradient at the site, groundwater has no flow movement to leach the contamination outside the site boundary, c) the groundwater table is in average 20 feet below grade and flows toward west, southwest of the site and away from the Anacostia River, d) the remediation site is located in an industrial area surrounded mostly by parking lots. There is no residential property in the vicinity of the site. Therefore, the remaining contamination at this site poses no potential risk to public health or the environment at present or in foreseeable future.

In light of the aforementioned information, Pepco is seeking approval from DOH to implement the following measures:

- Weekly gauging of the wells and GVPs that contained product based on Table 1.
- Weekly bailing of the subject wells to recover free phase product and proper disposal of recovered product. ✓
- Installation of absorbent booms in the wells to remove free phase product and replacement of the booms during the weekly gauging. ✓
- ✓ Semi-annual groundwater sampling of the subject wells and GVPs that will not contain product. ✓
- Quarterly submittal of a status report to DOH. ✓
- Evaluating the effect of passive remediation after a year. ✓
- Closure of the wells that did not contain product based on the February-April 2002³ *if N/D we can close* comprehensive well gauging.

Pepco looks forward to DOHs' approval of the proposed alternative. Please contact me at (202) 331-6641 if you have any questions, comments, or need additional information.

Sincerely,



Fariba Mahvi
Sr. Engineer,
Environment Management Services

Enclosure

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Project Identification: 95052
Sample Identification: MW4
Date Received: 02/21/2002
Analysis Date: 02/26/2002

USEPA Method: 8260 & 8015
Client Identification: TPH Technologies
Client Telephone: 410-437-7500
Client Fax: 410-437-9547

Analyst: MM
Lab File: 22602.D14
Sample Date: 02/19/2002

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	
Benzene	5	ug/L	444	} 0.444 mg/lt > 5 PPb 0.005 PPM
Toluene	5	ug/L	81.4	
Ethylbenzene	5	ug/L	94.2	
m&p-Xylene	5	ug/L	118	
o-Xylene	5	ug/L	16	
TPH GRO	100	ug/L	7080	7080

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Project Identification: 95052
Sample Identification: MW5
Date Received: 02/21/2002
Analysis Date: 02/26/2002

USEPA Method: 8260 & 8015
Client Identification: TPH Technologies
Client Telephone: 410-437-7500
Client Fax: 410-437-9547

Analyst: MM
Lab File: 22602.D15
Sample Date: 02/19/2002

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE
Benzene	5	ug/L	408 /
Toluene	5	ug/L	89.2
Ethylbenzene	5	ug/L	149 /
m&p-Xylene	5	ug/L	252 /
o-Xylene	5	ug/L	12.9
TPH GRO	100	ug/L	11220 / 112.00

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Project Identification: 95052
Sample Identification: MW-6
Date Received: 3/8/2002
Analysis Date: 3/12/2002

USEPA Method: 8260 & 8015
Client Identification: TPH Technologies
Client Telephone: 410-437-7500
Client Fax: 410-437-9547

Analyst: MM
Lab File: 31202.D18
Sample Date: 3/5/2002

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE
Benzene	5	ug/L	162 .16
Toluene	5	ug/L	7.6
Ethylbenzene	5	ug/L	ND
m&p-Xylene	5	ug/L	7.11
o-Xylene	5	ug/L	ND
Naphthalene	5	ug/L	ND
TPH GRO	100	ug/L	1100 11-
TPH DRO	500	ug/L	ND

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Project Identification:	95052	USEPA Method:	8260 & 8015
Sample Identification:	MW-9	Client Identification:	TPH Technologies
Date Received:	3/8/2002	Client Telephone:	410-437-7500
Analysis Date:	3/12/2002	Client Fax:	410-437-9547
		Analyst:	MM
		Lab File:	31202.D17
		Sample Date:	3/5/2002

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE
Benzene	5	ug/L	44.6 = 0.0446 ppm
Toluene	5	ug/L	22.4 = 0.0224 "
Ethylbenzene	5	ug/L	1680
m&p-Xylene	5	ug/L	3120
o-Xylene	5	ug/L	26.8
Naphthalene	5	ug/L	256
TPH GRO	100	ug/L	119.00 > 100 ppm
TPH DRO	500	ug/L	ND

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Project Identification: 95052
Sample Identification: MW10
Date Received: 02/21/2002
Analysis Date: 02/26/2002

USEPA Method: 8260 & 8015
Client Identification: TPH Technologies
Client Telephone: 410-437-7500
Client Fax: 410-437-9547

Analyst: MM
Lab File: 22602.D16
Sample Date: 02/19/2002

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE
Benzene	5	ug/L	294 = 0.294
Toluene	5	ug/L	26.4 = 0.0264
Ethylbenzene	5	ug/L	32.6 =
m&p-Xylene	5	ug/L	43.2
o-Xylene	5	ug/L	ND
TPH GRO	100	ug/L	4860 (circled) 486 ppm > 100 ppm

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Project Identification: 95052
Sample Identification: MW-17
Date Received: 3/8/2002
Analysis Date: 3/12/2002

USEPA Method: 8260 & 8015
Client Identification: TPH Technologies
Client Telephone: 410-437-7500
Client Fax: 410-437-9547

Analyst: MM
Lab File: 31202.D18
Sample Date: 3/5/2002

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE
Benzene	5	ug/L	260
Toluene	5	ug/L	ND
Ethylbenzene	5	ug/L	ND
m&p-Xylene	5	ug/L	ND
o-Xylene	5	ug/L	ND
Naphthalene	5	ug/L	ND
TPH GRO	100	ug/L	2800
TPH DRO	500	ug/L	ND

28 < 100 ppm

ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Project Identification: 95052
Sample Identification: MW25
Date Received: 02/21/2002
Analysis Date: 02/26/2002

USEPA Method: 8260 & 8015
Client Identification: TPH Technologies
Client Telephone: 410-437-7500
Client Fax: 410-437-9547

Analyst: MM
Lab File: 22602.D17
Sample Date: 02/19/2002

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE
Benzene	5	ug/L	1040
Toluene	5	ug/L	80.8
Ethylbenzene	5	ug/L	8.81
m&p-Xylene	5	ug/L	46.2
o-Xylene	5	ug/L	22.6
TPH GRO	100	ug/L	2500

= 1.04 PPb > 0.005 PPH.

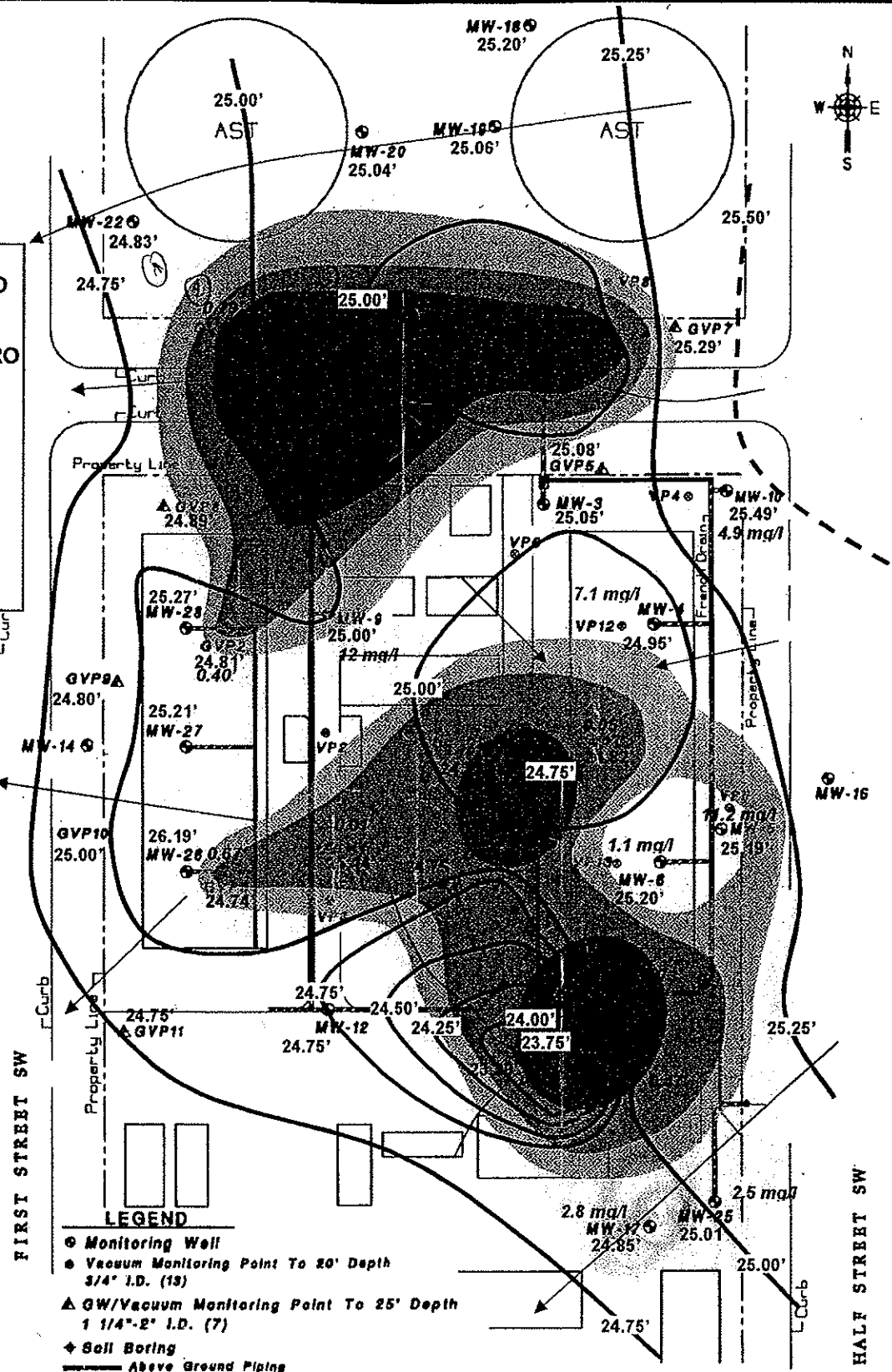
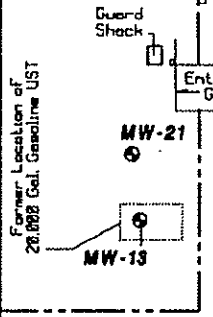
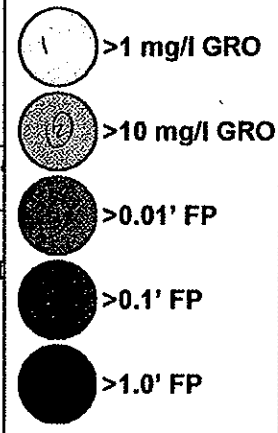
25 < 100 PPH

RECEIVED
MAR - 6 2002

BY:.....

**POTOMAC ELECTRIC
POWER COMPANY**
1930 1st Street, S.W.
Washington, D.C.
Buzzard Point
Generating Station

LDT: 24
SQUARE: 665



- LEGEND**
- Monitoring Well
 - Vacuum Monitoring Point To 20' Depth
3/4" I.D. (13)
 - ▲ GW/Vacuum Monitoring Point To 25' Depth
1 1/4"-2" I.D. (7)
 - ◆ Soil Boring
 - Above Ground Piping
 - Underground Piping/Excavation
 - Utilities Run via Existing French Drain System
 - Well not Gauged
 - () Elevation not used during Contouring



REVISED: 11/11/96 T.M.
FILE: 95052517
DRAWN BY: T.M.

Groundwater Flow & Quality Map for February-March 2002

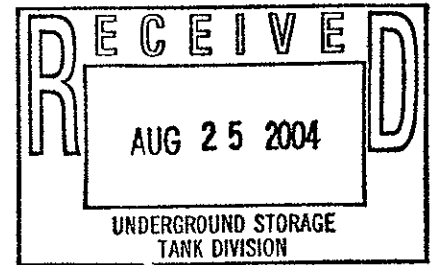
WARD 2

Environment Management Services

Certified Mail - 7003 1680 0004 9661 9536
Return Receipt Requested

August 19, 2004

Mr. Million Demissie
DC DOH/ERA
Underground Storage Tank Division
51 N Street, NE, 3rd Floor
Washington, DC 20002



Re: **Buzzard Point Station - Lust Case # 93-051**

Dear Mr. Demissie:

This letter and Attachments 1-3 constitute Pepco's progress report on the status of the groundwater remediation project at Buzzard Point Station. This report provides a summary of the site activities for the period of April - July 2004. It also contains the analytical results of groundwater samples collected from the three down gradient wells in July and August 2004. Please note that two attempts to collect a sample from one of the downgradient wells (MW-26) failed due to lack of enough water in the well. Therefore, the well was allowed to recharge and a sample was collected on August 5, 2004.

During the period of April - July 2004, gauging of all GVPs and MWs except the non detects was conducted. The gauging data is included in Attachment 1. All GVPs and MWs were free of product. MW-11 that has historically contained product in the past, did not contain any free product during this period.

The three down-gradient wells, MW-12, MW-14, and MW-26 were sampled and the analytical results are included in Attachment 2. The results showed a little change since the March 2004 sampling event. The Benzene level in MW-14 and 26 and the Toluene, Ethyl benzene and Xylene levels in all three wells remained below the Maximum Contaminants Levels (MCLs) for drinking water. The GRO and DRO levels in all three wells remain at or below 1 ppm, the District of Columbia Water Quality Standards for TPH level in groundwater. Since May 2003, the three downgradient wells have been sampled every quarter and the results have been consistently below the regulatory standards, specifically in MW-14, which is located outside the station. The results indicate that the contamination is confined to the site and due to a flat gradient, groundwater has no flow movement to leach the contamination outside the site boundary.

Attachment 3 includes two groundwater gradient maps, based on the March 9, 2004 and June 17, 2004 well gauging data.

We will continue with gauging and bailing of the GVPs and wells. In September 2004, we will conduct semi-annual sampling of all GVPs and MWs except the non detect wells. The sampling results will be used to evaluate the effectiveness of passive remediation and to plan for the next course of action that will address the remediation of remaining petroleum at this site. A remediation plan will be prepared and submitted to your office for review and approval.

Please contact me at (202) 331-6641 if you have any questions or need additional information.

Sincerely,

A handwritten signature in black ink, appearing to read 'Fariba Mahvi', written in a cursive style.

Fariba Mahvi
Sr. Engineer,
Environment Management Services

Attachments

Well	Date	Elevation	Depth to		Product Thickness	Water Elevation	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX	GRO	DRO	MTBE	
			Product	Water											
Values expressed in feet						Concentration expressed in mg/l									
GVP06 continued	July. 24	44.24	16.00	16.00	0.00	26.24									
	August. 06						0.013	< 0.01	0.35	0.086		5	5.1	< 0.02	
	August. 26	44.24	16.56	16.56	trace	27.68									
	Sept. 16	44.24	16.62	16.62	0.00	27.62									
	Oct. 30	44.24	16.30	16.30	0.00	27.94									
	Nov. 7	44.24	16.30	16.30	0.00	27.94									
	Nov. 20	44.24	16.54	16.54	0.00	27.70									
	Dec. 4	44.24	16.57	16.57	0.00	27.67									
	Dec. 11	44.24	16.57	16.57	0.00	27.67									
	Feb. 09, 2004	44.24	16.95	16.95	0.00	27.29									
	Feb. 19	44.24	16.95	16.95	0.00	27.29									
	March. 11	44.24		17.11		27.13	0.01	0.01	0.14	0.028	0.188	3.2	3	< 0.02	
	April. 5	44.24	17.05	17.05	0.00	27.19									
	April. 22	44.24	17.05	17.05	0	27.19									
May. 14	44.24	17.13	17.13	0	27.11										
June. 17	44.24	16.95	16.95	0	27.29										
June. 30	44.24	17.15	17.15	0	27.09										
July. 09	44.24	16.95	16.95	0.00	27.29										
GVP07	Jan. 15-2003	45.78	18.70	18.70	0.00	27.08									
	Jan. 27	45.78	18.94	18.93	0.01	26.85									
	March. 05	45.78	16.20	16.20	0.00	29.58									
	March. 18	45.78	18.30	18.30	0.00	27.48									
	April. 01	45.78	18.12	18.12	0.00	27.66									
	April. 17	45.78	17.91	17.91	0.00	27.87									
	April. 28	45.78	18.06	18.06	0.00	27.72									
	May. 20	45.78	18.06	18.06	0.00	27.72									
	June. 03	45.78	17.71	17.71	0.00	28.07									
	June. 10	45.78	17.76	17.76	trace	28.02									
	June. 23	45.78	17.15	17.15	0.00	28.63									
	July. 15	45.78	17.15	17.15	0.00	28.63									
	July. 24	45.78	17.38	17.39	0.01	28.39									
	August. 06							0.36	0.028	< 0.025	0.052	0.465	3.1	7.9	< 0.05
	August. 26	45.78	18.86	18.86	0.00	26.92									
	Sept. 6	45.78	18.05	18.05	0.00	27.73									
	Oct. 30	45.78	17.95	17.95	0.00	27.83									
	Nov. 7	45.78	17.95	17.95	0.00	27.83									
Nov. 20	45.78	18.00	18.00	0.00	27.78										
Dec. 4	45.78	18.02	18.02	0.00	27.76										
Dec. 11	45.78	18.00	18.00	0.00	27.78										
Feb. 9, 2004	45.78	18.43	18.43	0.00	27.35										
Feb. 19	45.78	18.45	18.45	0.00	27.33										
Mar. 11	45.78		18.49		27.29	0.21	0.019	0.01	0.038	0.277	3.4	3.7	< 0.02		
April. 5	45.78	18.54	18.54	0.00	27.24										
April. 22	45.78	18.54	18.54	0.00	27.24										
May. 14	45.78	18.43	18.43	0.00	27.35										
June. 17	45.78	18.50	18.50	0.00	27.28										
June. 30	45.78	17.53	17.53	0.00	28.25										
July. 09	45.78	17.44	17.44	0.00	28.34										
GVP08	Jan. 15-2003	43.71	16.43	16.43	0.00	27.28									
	Monitoring discontinued in February 2003 per DC-UST Division approval.														
GVP09	Jan. 15-2003	44.23	17.48	17.48	0.00	26.75									
	Monitoring discontinued in February 2003 per DC-UST Division approval.														
GVP10	Jan. 15-2003	43.75	18.25	18.25	0.00	25.50									
	Monitoring discontinued in February 2003 per DC-UST Division approval.														
GVP11	Jan. 15-2003	40.06	13.60	13.60	0.00	26.46									
	Jan. 27	40.06	14.14	14.14	0.00	25.92	0.013	0.005	0.005	0.01	0.033	0.38	1	0.01	
	May. 20	40.06	12.76	12.76	0.00	27.30									
	June. 03	40.06	12.51	12.51	0.00	27.55									
	June. 10	40.06	12.51	12.51	trace	27.55									
	June. 23	40.06	12.76	12.76	0.00	27.30									
July. 15	40.06	12.76	12.76	0.00	27.30										

Well	Date	Elevation	Depth to Product	Depth to Water	Product Thickness	Water Elevation	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX	GRO	DRO	MTBE	
															Values expressed in feet
MW006	April. 01	46.26	17.69	17.69	0.00	28.57									
continued	April. 17	46.26	17.40	17.40	0.00	28.86									
	April. 28	46.26	18.47	18.47	0.00	27.79									
	May. 20	46.26	18.27	18.27	0.00	27.99									
	June. 03	46.26	18.17	18.17	0.00	28.09									
	June. 10	46.26	17.81	17.81	trace	28.45									
	June. 23	46.26	17.75	17.75	trace	28.51									
	July. 15	46.26	17.62	17.62	trace	28.64									
	July. 24	46.26	17.95	17.95	trace	28.31									
	August. 07														
	August. 26	46.26	18.71	18.71	trace	27.55	0.033	0.005	0.005	0.01	0.053	0.52	5.3	0.01	
	Sept. 16	46.26	17.14	17.14	0.00	29.12									
	Oct. 30	46.26	18.33	18.33	0.00	27.93									
	Nov. 7	46.26	18.35	18.35	0.00	27.91									
	Nov. 20	46.26	18.53	18.53	0.00	27.73									
	Dec. 4	46.26	18.60	18.60	0.00	27.66									
	Dec. 11	46.26	18.60	18.60	0.00	27.66									
	Feb. 9, 2004	46.26	19.25	19.25	0.00	27.01									
	Feb. 19	46.26	19.25	19.25	0.00	27.01									
	March 9	46.26	19.18	19.18		27.08	< 0.005	< 0.005	< 0.005	< 0.005		0.28	6	0.01	
	March.31	46.26	19.27	19.27	0.00	26.99									
	April 5	46.26	18.95	18.95	0.00	27.31									
	April. 22	46.26	19.13	19.13	0.00	27.13									
	May. 14	46.26	19.10	19.10	0.00	27.16									
	June. 17	46.26	19.02	19.02	0.00	27.24									
	June. 30	Not Gauged. Blocked by equipment.													
	July. 09	Not Gauged. Blocked by equipment.													
MW007	Oct. 23-2002	45.07	18.51	18.51	trace	26.56									
	Nov. 07	45.07	18.47	18.47	trace	26.60									
	Nov. 14	45.07	18.44	18.45	0.01	26.62									
	Nov. 21	45.07	18.12	18.12	trace	26.95									
	Dec. 09	45.07	18.82	18.82	0.00	26.25									
	Dec. 19	45.07	18.44	18.45	trace	26.62									
	Dec. 27	45.07	18.38	18.38	0.00	26.69									
	Jan. 07-2003	45.07	17.93	17.93	0.00	27.14									
	Jan. 27	45.07	18.77	18.78	0.01	26.29									
	February.10	45.07	18.92	18.92	0.00	26.15									
	March. 05	45.07	17.73	17.73	0.00	27.34									
	March. 18	45.07	17.72	17.72	0.00	27.35									
	April. 01	45.07	17.51	17.51	0.00	27.56									
	April. 17	45.07	17.26	17.26	0.00	27.81									
	April. 28	45.07	17.65	17.65	0.00	27.42									
	May. 20	45.07	17.38	17.38	0.00	27.69									
	June. 03	45.07	17.28	17.28	0.00	27.79									
	June. 10	45.07	17.04	17.04	trace	28.03									
	June. 23	45.07	16.70	16.70	0.00	28.37									
	July. 15	45.07	16.42	16.42	trace	28.65									
	July. 24	45.07	17.15	17.15	trace	27.92									
	July. 31														
	August. 26	45.07	17.77	17.79	0.02	27.28	0.69	0.028	0.35	0.24		9.5	25	< 0.05	
	Sept. 16	45.07	17.55	17.55	0.00	27.52									
	Oct. 30	45.07	17.60	17.60	0.00	27.47									
	Nov. 7	45.07	17.60	17.60	0.00	27.47									
	Nov. 20	45.07	17.67	17.67	0.00	27.40									
	Dec. 4	45.07	17.70	17.70	0.00	27.37									
	Dec. 11	45.07	17.70	17.70	0.00	27.37									
	Feb. 9, 2004	45.07	18.30	18.30	0.00	26.77									
	Feb. 19	45.07	18.32	18.32	0.00	26.75									
	March. 10	45.07		18.3		26.77	1.3	0.046	0.3	0.22		9.7	20	< 0.05	
	March. 31	45.07	18.30	18.30	0.00	26.77									
	April 5	45.07	18.30	18.30	0.00	26.77									
	April. 22	45.07	16.03	16.03	0.00	29.04									
	May. 14	45.07	18.24	18.24	0.00	26.83									
	June. 17	45.07	18.05	18.05	0.00	27.02									
	June. 30	Not gauged. Blocked by equipment													
	July. 09	Not gauged. Blocked by equipment													

Well	Date	Elevation	Depth to Product	Depth to Water	Product Thickness	Water Elevation	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX	GRO	DRO	MTBE
MW008	Oct. 23-2002	41.78	15.24	15.24	trace	26.54								
	Nov. 07	41.78	15.20	15.20	trace	26.58								
	Nov. 14	41.78	15.12	15.12	trace	26.66								
	Nov. 21	41.78	14.84	14.84	trace	26.94								
	Dec. 09	41.78	15.55	15.55	0.00	26.23								
	Dec. 19	41.78	15.15	15.15	0.00	26.63								
	Dec. 27	41.78	15.10	15.11	0.01	26.67								
	Jan. 07-2003	41.78	14.63	14.63	0.00	27.15								
	Jan. 27	41.78	15.46	15.47	0.01	26.31								
	February 10	41.78	15.58	15.58	0.00	26.20								
	March. 05	41.78	14.34	14.34	0.00	27.44								
	March. 18	41.78	14.34	14.34	0.00	27.44								
	April. 01	41.78	14.26	14.26	0.00	27.52								
	April. 17	41.78	14.21	14.21	0.00	27.57								
	April. 28	41.78	14.38	14.38	0.00	27.40								
	May. 20	41.78	14.08	14.08	0.00	27.70								
	June. 03	41.78	14.00	14.00	0.00	27.78								
	June. 10	41.78	13.91	13.91	trace	27.87								
	June. 23	41.78	13.41	13.41	0.00	28.37								
	July. 15	41.78	13.38	13.38	trace	28.40								
	July. 24	41.78	13.99	13.99	0.00	27.79								
	July. 31													
	August. 26	41.78	14.45	14.45	trace	27.33	0.027	0.013	0.02	0.035		4.2	190	< 0.02
	Sept. 16	41.78	14.24	14.24	0.00	27.54								
	Oct. 30	41.78	14.24	14.24	0.00	27.54								
	Nov. 7	41.78	14.25	14.25	0.00	27.53								
	Nov. 20	41.78	14.30	14.30	0.00	27.48								
	Dec. 4	41.78	14.33	14.33	0.00	27.45								
	Dec. 11	41.78	14.33	14.33	0.00	27.45								
	Feb. 9, 2004	41.78	14.76	14.76	0.00	27.02								
Feb. 19	41.78	14.76	14.76	0.00	27.02									
March. 8	41.78		14.80		26.98	< 0.005	< 0.005	0.011	0.025		3.5	240	< 0.01	
April. 5	41.78	14.96	14.96	0.00	26.82									
April. 22	41.78	14.85	14.85	0.00	26.93									
May. 14	41.78	14.93	14.93	0.00	26.85									
June. 17	41.78	15.05	15.05	0.00	26.73									
June. 30	41.78	14.86	14.86	0.00	26.92									
July. 09	41.78	18.15	18.15	0.00	23.63									
MW009	Jan. 15-2003	42.82	15.91	15.91	0.00	26.91								
	Jan. 27	42.82	16.42	16.43	0.01	26.39								
	March. 05	42.82	15.57	15.57	0.00	27.25								
	March. 18	42.82	15.43	15.43	trace	27.39								
	April. 01	42.82	15.32	15.32	0.00	27.50								
	April. 17	42.82	15.29	15.29	0.00	27.53								
	April. 28	42.82	15.39	15.39	0.00	27.43								
	May. 20	42.82	15.48	15.48	0.00	27.34								
	June. 03	42.82	15.02	15.02	0.00	27.80								
	June. 10	42.82	14.83	14.83	0.00	27.99								
	June. 23	42.82	14.41	14.41	0.00	28.41								
	July. 15	42.82	14.28	14.28	trace	28.54								
	July. 24	42.82	14.88	14.88	0.00	27.94								
	July. 31													
	August. 26	42.82	15.40	15.40	trace	27.42	0.045	0.03	3.6	4.7		19	9.3	< 0.05
	Sept. 16	42.82	15.27	15.27	0.00	27.55								
	Oct. 30	42.82	13.27	13.27	0.00	29.55								
	Nov. 7	42.82	13.27	13.27	0.00	29.55								
	Nov. 20	42.82	15.30	15.30	0.00	27.52								
	Dec. 4	42.82	15.30	15.30	0.00	27.52								
	Dec. 11	42.82	15.30	15.30	0.00	27.52								
	Feb. 9, 2004	42.82	16.80	16.80	0.00	26.02								
Feb. 19	42.82	16.80	16.80	0.00	26.02									
March. 09	42.82		15.92		26.90	0.054	< 0.05	1.9	2		45	14	< 0.1	
April. 5	42.82	15.94	15.94	0.00	26.88									
April. 22	42.82	15.82	15.82	0.00	27.00									
May. 14	42.82	15.93	15.93	0.00	26.89									
June. 17	42.82	16.04	16.04	0.00	26.78									
June. 30	42.82	15.84	15.84	0.00	26.98									
July. 09	42.82	16.13	16.13	0.00	26.69									

Well	Date	Elevation	Depth to		Product	Water	Benzene	Toluene	Ethyl	Xylenes	BTEX	GRO	DRO	MTBE	
			Product	Water											Thickness
Values expressed in feet							Concentration expressed in mg/l								
MW010	Jan. 15-2003	46.52	19.19	19.19		0.00									
	Jan. 27	46.52	19.51	19.52		0.01									
	March. 05	46.52	19.08	19.08	trace										
	March. 18	46.52	18.74	18.75		0.01									
	April. 01	46.52	18.90	18.90		0.00									
	April. 17	46.52	18.79	18.79		0.00									
	April. 28	46.52	18.55	18.55		0.00									
	May. 20	46.52	18.58	18.58		0.00									
	June. 03	46.52	18.28	18.28		0.00									
	June. 10	46.52	18.21	18.21	trace										
	June. 23	46.52	17.82	17.82	trace										
	July. 15	46.52	17.36	17.36	trace										
	July. 24	46.52	17.90	17.90	trace										
	August. 07														
	August. 26	46.52	18.50	18.50	trace			0.33	0.03	0.056	0.13	0.546	7.4	5.5	< 0.02
	Sept. 16	46.52	18.58	18.58		0.00									
	Oct. 30	46.52	18.60	18.60		0.00									
	Nov. 7	46.52	18.60	18.60		0.00									
	Nov. 20	46.52	18.60	18.60		0.00									
	Dec. 4	46.52	18.62	18.62		0.00									
	Dec. 11	46.52	18.62	18.62		0.00									
	Feb. 9, 2004	46.52	18.80	18.80		0.00									
	Feb. 19	46.52	18.83	18.83		0.00									
	March. 09	46.52		19.19											
	April. 5	46.52	19.20	19.20		0.00		0.27	0.027	0.045	0.01		9.7	7.4	< 0.02
	April. 22	46.52	19.11	19.11		0.00									
May. 14	46.52	19.16	19.16		0.00										
June. 17	46.52	19.18	19.18		0.00										
June. 30	46.52	19.00	19.00		0.00										
July. 09	46.52	18.87	18.87		0.00										
MW011	Oct. 23-2002	42.76	16.58	16.67		0.09									
	Nov. 07	42.76	16.54	16.58		0.04									
	Nov. 14	42.76	16.52	16.52	trace										
	Nov. 21	42.76	16.18	16.22		0.04									
	Dec. 09	42.76	16.93	16.99		0.06									
	Dec. 19	42.76	16.52	16.52		0.00									
	Dec. 27	42.76	16.49	16.49		0.00									
	Jan. 07-2003	42.76	15.99	15.99		0.00									
	Jan. 27	42.76	16.91	16.94		0.03									
	February. 10	42.76	17.05	17.09		0.04									
	March. 05	42.76	15.78	15.78		0.00									
	March. 18	42.76	15.82	15.89		0.07									
	April. 01	42.76	15.65	15.81		0.16									
	April. 17	42.76	15.58	15.68		0.10									
	April. 28	42.76	15.76	15.83		0.07									
	May. 20	42.76	15.47	15.47		0.00									
	June. 03	42.76	15.29	15.34		0.05									
	June. 10	42.76	15.06	15.06	trace										
	June. 23	42.76	14.78	14.78	trace										
	July. 15	42.76	14.96	15.10		0.14									
	July. 24	42.76	15.23	15.70		0.47									
	July. 31														
	August. 26	42.76	15.88	16.13		0.25									
	Sept. 16	42.76	15.65	15.67		0.02									
	Oct. 30	42.76	15.65	15.70		0.05									
	Nov. 7	42.76	15.65	15.65		0.00									
	Nov. 20	42.76	15.77	15.77		0.00									
	Dec. 4	42.76	16.00	16.04		0.04									
	Dec. 11	42.76	15.76	15.76		0.00									
	Feb. 9, 2004	42.76	16.25	16.25		0.00									
	Feb. 19	42.76	16.27	16.27		0.00									
	March. 8														
	March. 31	42.76	16.40	16.40		0.00									
	April. 5	42.76	16.40	16.40		0.00									
April. 22	42.76	16.17	16.17		0.00										
May. 14	42.76	15.27	16.27		0.00										
June. 17	42.76	16.35	16.35		0.00										
June. 30	42.76	15.42	15.42		0.00										
July. 09	42.76	16.22	16.22		0.00										

Well	Date	Elevation	Depth to		Product Thickness	Water Elevation	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX	GRO	DRO	MTBE
			Product	Water										
Values expressed in feet							Concentration expressed in mg/l							
MW012	Jan. 15-2003	40.81	14.22	14.22	0.00	26.59								
	Jan. 27	40.81	14.87	14.89	0.02	25.92								
	March. 05	40.81	16.21	16.21	0.00	24.60								
	March. 18	40.81	13.71	13.71	0.00	27.10								
	April. 01	40.81	13.60	13.60	0.00	27.21								
	April. 17	40.81	13.41	13.41	0.00	27.40								
	April. 28	40.81	13.32	13.32	0.00	27.49								
	March. 05	40.81	16.21	16.21	0.00	24.60								
	March. 18	40.81	13.71	13.71	0.00	27.10								
	April. 01	40.81	13.60	13.60	0.00	27.21								
	April. 17	40.81	13.41	13.41	0.00	27.40								
	April. 28	40.81	13.32	13.32	0.00	27.49								
	May. 20	40.81	13.42	13.42	0.00	27.39								
	May. 28	40.81	13.16	13.16	0.00	27.65	< 0.005	< 0.005	< 0.005	< 0.005		< 0.1	< 0.11	< 0.01
	June. 03	40.81	13.09	13.09	0.00	27.72								
	June. 10	40.81	13.20	13.20	0.00	27.61								
	June. 23	40.81	12.65	12.65	0.00	28.16								
	July. 24	40.81	13.3	13.33	0	27.48								
	July. 31													
	August. 26	40.81	13.87	13.87	trace	26.94	0.036	< 0.005	0.076	< 0.01		0.41	0.93	< 0.01
	Sept. 16	40.81	13.65	13.65	0	27.16								
	Oct. 30	40.81	13.6	13.6	0	27.21								
	Nov. 7	40.81	13.6	13.6	0	27.21								
	Nov. 13													
	Nov. 20	40.81	13.67	13.67	0	27.14	< 0.005	< 0.005	< 0.005	< 0.01		< 0.1	0.28	< 0.01
	Dec. 4	40.81	13.67	13.67	0	27.14								
	Dec. 11	40.81	13.7	13.7	0	27.11								
	Feb. 9, 2004	40.81	14.2	14.2	0	26.61								
	Feb. 19	40.81	14.25	14.25	0	26.56								
	March. 08	40.81	14.29	14.29	0	26.52	< 0.005	< 0.005	< 0.005	< 0.01		< 0.1	< 0.1	< 0.1
	April. 5	40.81	15.07	15.07	0	25.74								
	April. 22	40.81	14.2	14.2	0	26.61								
May. 14	40.81	14.28	14.28	0	26.53									
June. 17	40.81	14.44	14.44	0	26.37									
June. 30	40.81	14.02	14.02	0	26.79									
July. 09	40.81	14.25	14.25	0	26.56									
July. 16	40.81	14.09	14.09	0	26.72	0.046	< 0.005	0.1	< 0.01	0.161	0.57	1	< 0.1	
MW013	Monitoring was discontinued in 1994 per DC-UST Division approval.													
MW014	Jan. 15-2003	41.79	14.19	14.19	0.00	27.60								
	Jan. 27	41.79	15.62	15.63	0.01	26.16								
	March. 05	41.79	12.08	12.08	0.00	29.71								
	March. 18	41.79	13.44	13.44	0.00	28.35								
	April. 01	41.79	12.32	12.32	0.00	29.47								
	April. 17	41.79	12.22	12.22	0.00	29.57								
	April. 28	41.79	13.45	13.45	0.00	28.34								
	May. 20	41.79	12.49	12.49	0.00	29.30								
	May. 28	41.79	11.00	11.00	0.00	30.79	< 0.005	< 0.005	< 0.005	< 0.005		< 0.1	< 0.1	< 0.01
	June. 03	41.79	12.20	12.20	0.00	29.59								
	June. 10	41.79	12.18	12.18	0.00	29.61								
	June. 23	41.79	11.10	11.10	0.00	30.69								
	July. 15	41.79	10.85	10.85	0.00	30.94								
	July. 24	41.79	13.86	13.86	0.00	27.93								
	August. 05													
	August. 26	41.79	14.75	14.75	trace	27.04	< 0.005	< 0.005	< 0.005	< 0.01		< 0.1	< 0.1	< 0.01
	Sept. 16	41.79	14.64	14.64	0.00	27.15								
	Oct. 30	41.79	14.38	14.38	0.00	27.41								
	Nov. 7	41.79	14.40	14.40	0.00	27.39								
	Nov. 13													
	Nov. 20	41.79	14.03	14.03	0.00	27.76	< 0.005	< 0.005	< 0.005	< 0.01		< 0.1	< 0.1	< 0.01
	Dec. 4	41.79	14.05	14.05	0.00	27.74								
	Dec. 11	41.79	14.05	14.05	0.00	27.74								
Feb. 9, 2004	41.79	13.98	13.98	0.00	27.81									
Feb. 19	41.79	14.00	14.00	0.00	27.79									
March. 10	41.79	14.44	14.44	0	27.35	< 0.005	< 0.005	< 0.005	< 0.01		< 0.1	0.2	< 0.01	
April. 5	41.79	13.56	13.56	0.00	28.23									
April. 22	41.79	14.05	14.05	0.00	27.74									
May. 14	41.79	14.74	14.74	0.00	27.05									
June. 17	41.79	15.06	15.06	0.00	26.73									

Well	Date	Elevation	Depth to Product	Depth to Water	Product Thickness	Water Elevation	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX	GRO	DRO	MTBE
Concentration expressed in mg/l														
MW014	June. 30	41.79	14.97	14.97	0.00	26.82								
continued	July. 09	41.79	14.97	14.97	0.00	26.82								
	July. 14	41.79	15.01	15.01	0.00	26.78	< 0.005	< 0.005	< 0.005	< 0.01		< 0.1	< 0.1	< 0.01
MW015	Oct. 23-2002	44.63	18.05	18.05	trace	26.58								
	Nov. 07	44.63	17.98	17.99	0.01	26.64								
	Nov. 14	44.63	17.90	17.90	trace	26.73								
	Nov. 21	44.63	17.68	17.70	0.02	26.93								
	Dec. 09	44.63	18.05	18.09	0.04	26.55								
	Dec. 19	44.63	17.81	17.81	0.00	26.82								
	Dec. 27	44.63	17.72	17.74	0.02	26.89								
	Jan. 07-2003	44.63	17.41	17.41	0.00	27.22								
	Jan. 27	44.63	17.84	17.87	0.03	26.76								
	Feb. 10	44.63	18.05	18.08	0.03	26.55								
	March. 05	44.63	17.15	17.16	0.01	27.47								
	March. 18	44.63	16.97	16.97	0.00	27.66								
	April. 01	44.63	16.81	16.81	0.00	27.82								
	April. 17	44.63	16.64	16.64	0.00	27.99								
	April. 28	44.63	16.81	16.81	0.00	27.82								
	May. 20	44.63	16.71	16.71	0.00	27.92								
	June. 03	44.63	16.53	16.53	0.00	28.10								
	June. 10	44.63	16.50	16.50	0.00	28.13								
	June. 23	44.63	15.93	15.93	trace	28.70								
	July. 15	44.63	15.90	15.90	trace	28.73								
	July. 24	44.63	16.22	16.22	0.00	28.41								
	August. 5													
	August. 26	44.63	16.80	16.80	0.00	27.83	0.026	< 0.01	0.15	0.1	0.286	5.5	95	< 0.02
	Sept. 16	44.63	61.37	16.37	0.00	28.26								
	Oct. 30	44.63	16.70	16.70	0.00	27.93								
	Nov. 7	44.63	16.70	16.70	0.00	27.93								
	Nov. 20	44.63	16.73	16.73	0.00	27.90								
	Dec. 4	44.63	16.37	16.37	0.00	28.26								
	Dec. 11	44.63	16.78	16.78	0.00	27.85								
	Feb. 9, 2004	44.63	17.22	17.22	0.00	27.41								
	Feb. 19	44.63	17.22	17.22	0.00	27.41								
	March. 10	44.63		17.40		27.23	0.041	< 0.005	< 0.04	< 0.048		6.8	180	< 0.01
	April. 5	44.63	17.33	17.33	0.00	27.30								
	April. 22	44.63	17.26	17.26	0.00	27.37								
	May. 14	44.63	17.25	17.25	0.00	27.38								
	June. 17	44.63	17.33	17.33	0.00	27.30								
	June. 30	44.63	17.35	17.35	0.00	27.28								
	July. 09	44.63	15.22	15.22	0.00	29.41								
MW016	Jan. 15-2003	44.15	16.76	16.76	0.00	27.39								
	Jan. 27	44.15	17.10	17.11	0.01	27.04								
	March. 05	44.15	16.47	16.47	0.00	27.68								
	March. 18	44.15	16.35	16.35	0.00	27.80								
	April. 01	44.15	16.11	16.11	0.00	28.04								
	April. 17	44.15	15.98	15.98	0.00	28.17								
	April. 28	44.15	16.30	16.30	0.00	27.85								
	May. 20	44.15	16.24	16.24	0.00	27.91								
	June. 03	44.15	15.93	15.93	0.00	28.22								
	June. 10	44.15	15.93	15.93	trace	28.22								
	June. 23	44.15	16.24	16.24	trace	27.91								
	July. 15	44.15	15.47	15.47	trace	28.68								
	July. 24	44.15	15.74	15.74	0	28.41								
	August. 5													
	August. 26	44.15	16.34	16.34	trace	27.81	0.24	0.085	0.086	0.32	0.731	9.8	3	< 0.05
	Sept. 16	44.15	15.74	15.74	0	28.41								
	Oct. 30	44.15	16.25	16.25	0	27.90								
	Nov. 7	44.15	16.25	16.25	0	27.90								
	Nov. 20	44.15	16.33	16.33	0	27.82								
	Dec. 4	44.15	16.37	16.37	0	27.78								
	Dec. 11	44.15	16.37	16.37	0	27.78								
	Feb. 9, 2004	44.15	16.65	16.65	0	27.50								
	Feb. 19	44.15	16.65	16.65	0	27.50								
	March. 11	44.15		16.81		27.34	0.18	0.066	0.053	0.22		8.2	2.5	< 0.05
	April. 5	44.15	17.82	17.82	0	26.33								
	April. 22	44.15	17.82	17.82	0	26.33								
	May. 14	44.15	17.8	17.8	0	26.35								

Well	Date	Elevation	Depth to	Depth to	Product	Water	Benzene	Toluene	Ethyl	Xylenes	BTEX	GRO	DRO	MTBE
			Product	Water	Thickness	Elevation								
Values expressed in feet							Concentration expressed in mg/l							
MW016	June. 17	44.15	17.6	17.6	0	26.55								
continued	June. 30	44.15	16.84	16.84	0	27.31								
	July. 09	44.15	16.37	16.37	0	27.78								
MW017	Jan. 15-2003	Buried under frozen dirt and could not be gauged.												
	July. 24	42.26	14.88	14.88	trace	27.38								
	August. 26	42.26	15.41	15.41	0	26.85								
	Oct. 30	42.26	15.01	15.01	0.00	27.25								
	Nov. 7	42.26	15.13	15.13	0.00	27.13								
	Nov. 20	42.26	15.07	15.07	0.00	27.19								
	Dec. 4	42.26	15.07	15.07	0.00	27.19								
	Dec. 11	42.26	15.1	15.1	0.00	27.16								
	Feb. 9, 2004	42.26	15.65	15.65	0.00	26.61								
	Feb. 19	42.26	15.67	15.67	0.00	26.59								
	April. 5	42.26	15.85	15.85	0.00	26.41								
	Not gauged. Buried under gravel.													
MW018	Jan. 15-2003	49.98	23.02	23.03	0.01	26.95								
	Jan. 27	49.98	23.09	23.10	0.01	26.88								
	March. 05	49.98	22.41	22.41	0.00	27.57								
	March. 18	49.98	22.70	22.70	0.00	27.28								
	April. 01	49.98	22.62	22.62	0.00	27.36								
	April. 17	49.98	22.52	22.52	0.00	27.46								
	April. 28	49.98	22.23	22.23	0.00	27.75								
	May. 20	49.98	22.34	22.34	0.00	27.64								
	June. 03	49.98	21.83	21.83	0.00	28.15								
	June. 10	49.98	22.02	22.02	trace	27.96								
	June. 23	49.98	22.34	22.34	0.00	27.64								
	July. 15	49.98	21.27	21.27	trace	28.71								
	July. 24	49.98	21.43	21.43	trace	28.55								
	August. 06						< 0.005	< 0.005	< 0.005	< 0.01	0.025	0.14	0.82	< 0.01
	August. 26	49.98	21.96	21.96	trace	28.02								
	Sept. 16	49.98	22.11	22.11	0.00	27.87								
	Oct. 30	49.98	22.00	22.00	0.00	27.98								
	Nov. 7	49.98	22.00	22.00	0.00	27.98								
	Nov. 20	49.98	21.95	21.95	0.00	28.03								
	Dec. 4	49.98	21.97	21.97	0.00	28.01								
	Dec. 11	49.92	22.00	22.00	0.00	27.92								
	Feb. 9, 2004	49.92	22.35	22.35	0.00	27.57								
	Feb. 19	49.92	22.30	22.30	0.00	27.62								
	March. 11	49.92	25.40			24.52	< 0.005	< 0.005	< 0.005	< 0.01		0.2	0.93	< 0.01
	April. 5	49.92	22.57	22.57	0.00	27.35								
	Monitoring discontinued in April 2004 per DC-UST division approval.													
MW019	Jan. 15-2003	46.38	19.50	19.50	0.00	26.88								
	Jan. 27	46.38	19.70	19.72	0.02	26.66								
	March. 05	46.38	18.69	18.69	0.00	27.69								
	March. 18	46.38	19.10	19.11	0.01	27.27								
	April. 01	46.38	18.96	18.96	0.00	27.42								
	April. 17	46.38	18.67	18.67	0.00	27.71								
	April. 29	46.38	18.77	18.77	0.00	27.61								
	May. 20	46.38	18.80	18.80	0.00	27.58								
	June. 03	46.38	18.51	18.51	0.00	27.87								
	June. 10	46.38	18.51	18.51	trace	27.87								
	June. 23	46.38	18.80	18.80	0.00	27.58								
	July. 15	46.38	17.80	17.80	trace	28.58								
	July. 24	46.38	18.05	18.05	0.00	28.33								
	August. 06						0.007	< 0.005	< 0.005	< 0.010	0.027	8	27	< 0.010
	August. 26	46.38	18.58	18.58	0.00	27.80								
	Oct. 30	46.38	18.60	18.60	0.00	27.80								
	Nov. 7	46.38	18.60	18.60	0.00	27.78								
	Nov. 20	46.38	18.53	18.53	0.00	27.78								
	Dec. 4	46.38	18.53	18.53	0.00	27.85								
	Dec. 11	46.38	18.53	18.53	0.00	27.85								
	Feb. 9, 2004	46.38	19.00	19.00	0.00	27.38								
	Feb. 19	46.38	19.00	19.00	0.00	27.38								
	March. 11	46.38		19.16		27.22	0.1	< 0.005	< 0.005	< 0.010		3.5	32	< 0.010
	April. 5	46.38	18.86	18.86	0.00	27.52								

Well	Date	Elevation	Depth to Product	Depth to Water	Product Thickness	Water Elevation	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX	GRO	DRO	MTBE	
Values expressed in feet							Concentration expressed in mg/l								
MW019	April. 22	46.38	18.66	18.66	0.00	27.52									
continued	May. 14	46.38	19.15	19.15	0.00	27.23									
	June. 17	46.38	19.27	19.27	0.00	27.11									
	June. 30	46.38	19.27	19.27	0.00	27.11									
	July. 09	46.38	19.25	19.25	0.00	27.13									
MW020	Jan.15-2003	46.09	19.22	19.22	0.00	26.87									
	Jan. 27	46.09	19.43	19.44	0.01	26.65									
	March. 05	46.09	17.98	17.98	0.00	28.11									
	March. 18	46.09	18.81	18.81	0.00	27.28									
	April. 01	46.09	18.01	18.01	0.00	28.08									
	April. 17	46.09	17.89	17.89	0.00	28.20									
	April. 29	46.09	18.48	18.48	0.00	27.61									
	May. 20	46.09	18.53	18.53	0.00	27.56									
	June. 03	46.09	18.28	18.28	0.00	27.81									
	June. 10	46.09	18.20	18.20	0.00	27.89									
	June. 23	46.09	18.53	18.53	0.00	27.56									
	July. 15	46.09	17.51	17.51	trace	28.58									
	July. 24	46.09	17.77	17.77	0.00	28.32									
	August. 06														
	August. 26	46.09	18.30	18.30	trace	27.79	0.012	< 0.005	< 0.005	< 0.01	0.032	2	2.6	< 0.01	
	Sept. 16	46.09	18.4	18.4	0	27.69									
	Oct. 30	46.09	18.3	18.3	0	27.79									
	Nov. 7	46.09	18.3	18.3	0	27.79									
	Nov. 20	46.09	18.24	18.24	0	27.85									
	Dec. 4	46.09	18.25	18.25	0	27.84									
	Dec. 11	46.09	18.25	18.25	0	27.84									
	Feb. 9, 2004	46.09	18.73	18.73	0	27.36									
	Feb. 19	46.09	18.75	18.75	0	27.34									
	March. 11	46.09	18.89	18.89		27.2	< 0.005	< 0.005	< 0.005	< 0.01		1.5	1.1	< 0.01	
	April. 5	46.09	19.16	19.16	0	26.93									
	April. 22	46.09	19.16	19.16	0	26.93									
	May. 14	46.09	18.9	18.9	0	27.19									
	June. 17	46.09	19.05	19.05	0	27.04									
	June. 30	46.09	19	19	0	27.09									
	July. 09	46.09	18.77	18.77	0	27.32									
MW021	Monitoring was discontinued in 1994 per DC-UST Division approval. Buried under asphalt.														
MW022	Jan.15-2003	47.37	20.5	20.5	0	26.87									
	Monitoring discontinued in February 2003 per DC-UST Division approval.														
MW023	June.10-2003	43.98	16.28	16.28	0	27.70									
	June. 23	43.98	16.67	16.67	0	27.31									
	July. 15	43.98	15.53	15.53	0	28.45									
	July. 24	43.98	15.79	15.79	0	28.19									
	August. 05						< 0.005	< 0.005	0.043	< 0.01		0.79	31	< 0.01	
	August. 26	43.98	16.4	16.4	0	27.58									
	Nov. 7	43.98	16.95	16.95	0	27.03									
	Nov. 20	43.98	16.35	16.35	0	27.63									
	Dec. 4	43.98	16.4	16.4	0	27.58									
	Dec. 11	43.98	16.44	16.44	0	27.54									
	Feb. 9, 2004	43.98	16.75	16.75	0	27.23									
	Feb. 19	43.98	16.75	16.75	0	27.23									
	March. 10	43.98		17		26.98	< 0.006	< 0.005	< 0.016	< 0.010		1.3	2.1	< 0.01	
	April. 5	43.98	18.88	18.88	0	25.1									
	Well is full of mud. GVP06 is used in place of this well for monitoring.														
MW024	Oct. 23-2002	44.99	18.80	18.80	trace	26.19									
	Nov. 07	44.99	18.73	18.73	0.00	26.26									
	Nov. 14	Blocked - No gauging													
	Nov. 21	44.99	18.48	18.48	0.00	26.51									
	Dec. 09	44.99	18.65	18.65	0.00	26.34									
	Dec. 19	44.99	18.49	18.49	0.00	26.50									
	Dec. 27	44.99	18.40	18.40	0.00	26.59									
	Jan. 07-2003	44.99	18.17	18.17	0.00	26.82									
	Jan. 27	44.99	18.35	18.37	0.02	26.62									
	March. 05	44.99	16.31	16.31	0.00	28.68									

Well	Date	Elevation	Depth to		Product Thickness	Water Elevation	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX	GRO	DRO	MTBE
			Product	Water										
Values expressed in feet						Concentration expressed in mg/l								
MW024	March. 18	44.99	17.67	17.67	0.00	27.32								
continued	April. 01	44.99	22.62	22.62	0.00	22.37								
	April. 17	44.99	17.30	17.30	0.00	27.69								
	April. 28	44.99	17.40	17.40	0.00	27.59								
	May. 20	44.99	17.39	17.39	0.00	27.60								
	June. 03	44.99	16.90	16.90	0.00	28.09								
	June. 10	44.99	17.03	17.03	trace	27.96								
	June. 23	44.99	17.39	17.39	trace	27.60								
	July. 15	44.99	16.47	16.47	trace	28.52								
	July. 24	44.99	16.76	16.73		28.26								
	August. 06													
	August. 26	44.99	17.31	17.31	trace	27.68	0.02	ND	0.0063	ND		1.6	70	ND
	Sept. 16	44.99	17.35	17.35	0.00	27.64								
	Oct. 30	44.99	17.30	17.30	0.00	29.40								
	Nov. 7	44.99	17.30	17.30	0.00	27.73								
	Nov. 20	44.99	17.30	17.30	0.00	29.56								
	Dec. 4	44.99	17.30	17.30	0.00	29.85								
	Dec. 11	44.99	17.32	17.32	0.00	30.02								
	Feb. 9, 2004	44.99	17.76	17.76	0.00	27.23								
	Feb. 19	44.99	17.75	17.75	0.00	27.24								
	March. 10	44.99		17.95		27.04	< 0.019	< 0.005	< 0.0097	< 0.010		0.94	64	< 0.010
	April. 5	44.99	17.83	17.83	0.00	30.27								
	April. 22	44.99	17.83	17.83	0.00	30.27								
	May. 14	44.99	17.82	17.82	0.00	30.96								
	June. 17	44.99	17.87	17.87	0.00	30.96								
	June. 30	44.99	17.95	17.95	0.00	27.04								
	July. 09	44.99	17.83	17.83	0.00	27.16								
MW025	Jan. 15-2003	42.47	15.58	15.59	0.01	26.88								
	Jan. 27	42.47	17.25	17.26	0.01	25.21								
	March. 05	42.47	15.43	15.43	0.00	27.04								
	March. 18	42.47	15.14	15.14	0.00	27.33								
	April. 01	42.47	14.97	14.97	0.00	27.50								
	April. 17	42.47	14.81	14.81	0.00	27.66								
	April. 28	42.47	15.13	15.13	0.00	27.34								
	May. 20	42.47	14.83	14.83	0.00	27.64								
	June. 03	42.47	14.72	14.72	0.00	27.75								
	June. 10	42.47	14.43	14.43	trace	28.04								
	June. 23	42.47	14.14	14.14	trace	28.33								
	July. 15	42.47	14.03	14.03	trace	28.44								
	July. 24	42.47	14.60	14.60	trace	27.87								
	August. 07													
	August. 26	42.47	15.30	15.30	trace	27.17	1.4	0.13	< 0.05	0.17	0.175	4.6	42	< 0.1
	Sept. 16	42.47	15.04	15.04	0.00	27.43								
	Oct. 30	42.47	15.08	15.08	0.00	27.39								
	Nov. 7	42.47	15.10	15.10	0.00	27.37								
	Nov. 20	42.47	14.95	14.95	0.00	27.52								
	Dec. 4	42.47	15.00	15.00	0.00	27.47								
	Dec. 11	42.47	15.00	15.00	0.00	27.47								
	Feb. 9, 2004	42.47	15.58	15.58	0.00	26.89								
	Feb. 19	42.47	15.60	15.60	0.00	26.87								
	March. 10	42.27		15.73		26.54	1	< 0.033	< 0.010	0.063		4.8	16	< 0.02
	April. 5	42.47	15.75	15.75	0.00	26.72								
	April. 22	42.47	15.55	15.55	0.00	26.92								
	May. 14	42.47	15.72	15.72	0.00	26.75								
	June. 17	42.47	16.03	16.03	0.00	26.44								
	June. 30	42.47	15.37	15.37	0.00	27.10								
	July. 09	42.47	15.62	15.62	0.00	26.85								
MW026	Jan. 15-2003	45.17	17.08	17.08	0.00	28.09								
	Jan. 27	45.17	17.72	17.73	0.01	27.44								
	March. 05	45.17	16.62	16.62	0.00	28.55								
	March. 18	45.17	16.60	16.60	0.00	28.57								
	April. 01	45.17	15.03	15.03	0.00	30.14								
	April. 17	45.17	14.91	14.91	0.00	30.26								
	April. 28	45.17	16.62	16.62	0.00	28.55								
	May. 20	45.17	16.85	16.85	0.00	28.32								
	May. 28	45.17	16.02	16.02	0.00	29.15	< 0.005	< 0.005	< 0.005	< 0.005		0.22	0.18	< 0.01
	June. 03	45.17	16.70	16.70	0.00	28.47								
	June. 10	45.17	16.50	16.50	trace	28.67								

Well	Date	Elevation	Depth to		Product Thickness	Water Elevation	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX	GRO	DRO	MTBE
			Product	Water										
Values expressed in feet						Concentration expressed in mg/l								
MW026	June. 23	45.17	15.59	15.59	trace	29.58								
continued	July. 15	45.17	16.10	16.10	trace	29.07								
	July. 24	45.17	16.17	16.17	trace	29.00								
	July. 31													
	August. 26	45.17	16.73	16.73	trace	28.44	< 0.005	< 0.005	0.022	< 0.021		0.47	1.1	< 0.01
	Sept. 16	45.17	16.48	16.48	0.00	28.69								
	Oct. 30	45.17	16.45	16.45	0.00	28.72								
	Nov. 7	45.17	16.45	16.45	0.00	28.72								
	Nov. 13													
	Nov. 20	45.17	16.55	16.55	0.00	28.62	< 0.005	< 0.005	< 0.005	< 0.01		0.21	0.51	< 0.01
	Dec. 4	45.17	16.58	16.58	0.00	28.59								
	Dec. 11	45.17	16.60	16.60	0.00	28.57								
	Feb. 9, 2004	45.17	16.67	16.67	0.00	28.50								
	Feb. 19	45.17	16.67	16.67	0.00	28.50								
	March. 29	45.17	17.40	17.40		27.77	0.0066	< 0.005	< 0.005	< 0.01		0.57	0.6	< 0.01
	April. 5	45.17	17.00	17.00	0.00	28.17								
	April. 22	45.17	17.06	17.06	0.00	28.11								
	May. 14	45.17	17.04	17.04	0.00	28.13								
	June. 17	45.17	17.17	17.17	0.00	28.00								
	June. 30	45.17	17.16	17.16	0.00	28.01								
	July. 09	45.17	16.86	16.86	0.00	28.31								
	August. 05						< 0.005	< 0.005	< 0.005	< 0.001		0.21	0.3	< 0.01
MW027	Jan. 15-2003	43.90	16.79	16.79	0.00	27.11								
	Jan. 27	43.90	17.38	17.39	0.01	26.51								
	March. 05	43.90	16.34	16.34	0.00	27.56								
	March. 18	43.90	16.29	16.29	0.00	27.61								
	April. 01	43.90	16.10	16.10	0.00	27.80								
	April. 17	43.90	16.03	16.03	0.00	27.87								
	April. 28	43.90	16.28	16.28	0.00	27.62								
	May. 20	43.90	16.00	16.00	0.00	27.90								
	June. 03	43.90	15.71	15.71	0.00	28.19								
	June. 10	43.90	15.78	15.78	trace	28.12								
	June. 23	43.90	15.28	15.28	trace	28.62								
	July. 15	43.90	15.34	15.34	trace	28.56								
	July. 24	43.90	15.83	15.83	0.00	28.07								
	July. 31													
	August. 26	43.90	16.38	16.38	0.00	27.52	< 0.025	0.026	0.31	0.35	0.35	4.3	3.8	< 0.05
	Sept. 16	43.90	16.17	16.17	0.00	27.73								
	Oct. 30	43.90	16.17	16.17	0.00	27.73								
	Nov. 7	43.90	16.19	16.19	0.00	27.71								
	Nov. 20	43.90	16.25	16.25	0.00	27.65								
	Dec. 4	43.90	16.27	16.27	0.00	27.63								
	Dec. 11	43.90	16.25	16.25	0.00	27.65								
	Feb. 9, 2004	43.90	16.72	16.72	0.00	27.18								
	Feb. 19	43.90	16.70	16.70	0.00	27.20								
	March. 8	43.90		16.84		27.06	< 0.017	< 0.012	< 0.019	< 0.049		1.8	2	< 0.010
	April. 5	43.90	16.67	16.67	0.00	27.23								
	April. 22	43.90	16.77	16.77	0.00	27.13								
	June. 17	43.90	16.97	16.97	0.00	26.93								
	June. 30	43.90	16.78	16.78	0.00	27.12								
	July. 09	43.90	16.84	16.84	0.00	27.06								
MW028	Jan. 15-2003	43.96	16.72	16.72	0.00	27.24								
	Jan. 27	43.96	17.85	17.86	0.01	26.10								
	March. 05	43.96	16.36	16.36	0.00	27.60								
	March. 18	43.96	16.28	16.28	0.00	27.68								
	April. 01	43.96	16.15	16.15	0.00	27.81								
	April. 17	43.96	15.86	15.86	0.00	28.10								
	April. 28	43.96	16.25	16.25	0.00	27.71								
	May. 20	43.96	16.05	16.05	0.00	27.91								
	June. 03	43.96	15.80	15.80	0.00	28.16								
	June. 10	43.96	15.75	15.75	trace	28.21								
	June. 23	43.96	15.30	15.30	trace	28.66								
	July. 15	43.96	15.30	15.30	trace	28.66								
	July. 24	43.96	15.75	15.75	trace	28.21								
	July. 31													
	August. 26	43.96	16.35	16.35	trace	27.61	0.025	< 0.025	0.68	0.67		6.4	83	< 0.05
	Sept. 16	43.96	16.17	16.17	0.00	27.79								
	Oct. 30	43.96	16.15	16.15	0.00	27.81								

Well	Date	Elevation	Depth to	Depth to	Product	Water	Benzene	Toluene	Ethyl	Xylenes	BTEX	GRO	DRO	MTBE	
			Product	Water	Thickness	Elevation									
			Values expressed in feet				Concentration expressed in mg/l								
MW028	Nov. 7	43.96	16.15	16.15	0.00	27.81									
continued	Nov. 20	43.96	16.18	16.18	0.00	27.78									
	Dec. 4	43.96	16.20	16.20	0.00	27.76									
	Dec. 11	43.96	16.20	16.20	0.00	27.76									
	Feb. 9, 2004	43.96	17.03	17.03	0.00	26.93									
	Feb. 19	43.96	17.05	17.05	0.00	26.91									
	March. 09	43.96		16.85		27.11	< 0.021	< 0.016	0.3	0.15		5.1	28	< 0.020	
	April. 5	43.96	17.64	17.64	0.00	26.32									
	April. 22	43.96	16.72	16.72	0.00	27.24									
	May. 14	43.96	16.80	16.80	0.00	27.16									
	June. 17	43.96	17.03	17.03	0.00	26.93									
	June. 30	43.96	16.80	16.80	0.00	27.16									
	July. 09	43.96	16.95	16.95	0.00	27.01									
Note: Trace means the tape beeped, but there was not enough product to be measured.															

To: Distribution

From: F. Mahvi *fm*

Re: LUST CASE #93094 - BUZZARD POINT GASOLINE UST

Date: June 1, 1994

Distribution:	Ms.	B. Gonzalez	
	Messrs	R. Armstrong	J. Keiller
		M. Boland	I. Monsef
		B. Campbell	M. Reilly
		M. Halpern	J. Sherman

Attached please find a case closure letter from DCRA authorizing the closure of the above referenced case. The 20,000 gallon gasoline UST was removed on 8/24/93. An UST closure report, and a site assessment report were submitted to DCRA per DCRA's directive letter dated 8/30/93. The assessment report for this case was submitted as an addendum to the comprehensive site assessment report for Buzzard Point Facility.

cc: Mr. J. Potts
Ms. F. Sepulveda

CF: Underground Storage Tanks

Add'l cc: JFM
JQE
for your info.
4/29

HAM
FYE
[Signature]

POTOMAC ELECTRIC POWER COMPANY

1900 PENNSYLVANIA AVENUE, N.W., WASHINGTON, D. C. 20068
(202) 872-2000

April 28, 1988

Mr. M. W. Cramer
Marketing Manager - Wholesale
Chevron, U.S.A., Inc.
810 Gleneagles Court
Towson, MD 21204

Dear Mr. Cramer:

We have reviewed the status of the two fuel tanks located at First and T Streets, SW, Washington, DC as referenced in your letter of December 3, 1987, and have determined they are no longer required for use on our system. We therefore accept your offer to have Chevron remove these two tanks at Chevron's expense.

Please contact Mr. Richard M. Armstrong of our Substation Construction and Maintenance Department (202-388-2300) to coordinate their removal.

Very truly yours,

[Signature]

D. F. Morrison, Manager
Petroleum Products Procurement

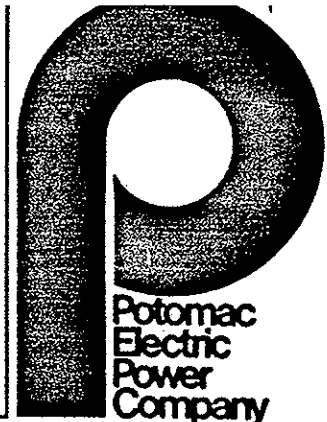
DFM:bjg

cc: Mr. M. R. Dargento
Chevron U.S.A., Inc.
3790 Pickett Road
Fairfax, VA 22031

bcc: C. W. Nicolson
L. J. O'Callaghan
L. J. Himes
R. M. Armstrong
C. T. Milans
A. G. Merlene



emo



TO: Mr. D. F. Morrison
FROM: C. T. Milans
SUBJECT: Disposition of Fuel Tanks at Buzzard Point
DATE: March 30, 1988

Please reference Mr. M. W. Cramer's letter to you dated December 3, 1987 and your subsequent memorandum.

Our records indicate that both tanks are 6000 gallon units - not one at 8000 and one at 6000. At this time both are idle. One contains 3,424 gallons of lead gasoline and the other contains 5,199 gallons of diesel fuel.

These tanks are steel and were installed in 1970. Given their life expectancy, the cost to upgrade them to proposed Federal regulations outweighs their usefulness. Further, the trend is to remove steel tanks and replace them with fiberglass.

As the type of vehicles that refuel at this location predominately use unleaded gasoline, the continued need for additional fuel tanks is not indicated.

It is therefore recommended that Chevron U.S.A., Inc. remove their fuel tanks. Extreme care should be taken not to disturb the 20,000 gallon fuel tank in the ground at that location. At the time of removal, if there is a leak, Chevron will be responsible for any environmental liability and all clean-up costs.

A handwritten signature in cursive script, likely belonging to C. T. Milans.

JQE/hv

- cc: Mr. J. F. Miley
- Mr. H. A. Martin
- Mr. L. J. O'Callaghan
- Mr. L. S. Guiland
- Ms. M. A. Golden



8928 ROBEEL NHT
BUREAU



TO: Mr. J. A. Brain
FROM: R. M. Armstrong
SUBJECT: See Below
DATE: November 21, 1988

Subject: Removal of Two (2) 6000 Gallon Fuel Tanks
First and "T" Streets, S.W. - Buzzard Point

This memorandum is to inform you that on November 28 and 29, 1988 the representatives from the organizations listed below will need access to the subject property in order to remove two (2) 6000 gallon fuel tanks and two (2) dispensing pumps. This operation will be performed between 7:00 am and 6:00 pm daily. Substation Construction and Maintenance will provide a full time safety person at the site during the operation.

<u>Organization Name</u>	<u>Equipment</u>
Eastern Motor Transport	18 wheel tanker truck
Stone and Hoover	Dump truck and trailer with backhoe, rubber tire crane
Chevron	Tanker truck
Paul Resnick, Inc.	Service Truck
Self Service Systems	Service truck
D. C. Fire Marshal	

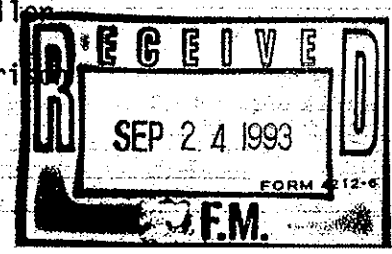
Should you have need for additional information concerning this project, please contact Mr. Iraj Monsef on extension 131-244.

R.M. Armstrong
R. M. Armstrong

IM/jam

cc: Mr. L. J. Himes
Mr. T. D. Edwards
Mr. C. R. Orrison, Jr.
Mr. J. Q. Engquist
Mr. J. E. Luley

Mr. L. J. O'Callaghan
Mr. J. H. Keillon
Mr. I. Monsef
Mr. D. F. Morris
Project File



DAILY/STA.B

Facility No. 2000609



District of Columbia
Department of Health
Environmental Health Administration
Bureau of Hazardous Materials and Toxic Substances
Underground Storage Tank Division

CERTIFICATE OF TANK REGISTRATION

This certifies that **PEPCO - BUZZARD POINT GEN.STAT-B** Underground Storage Tank Facility has been duly registered with the District of Columbia and that the tank registration fees have been remitted. This Certificate is valid provided that all other requirements have been met in accordance with Title 20 DCMR Chapters 55-68.

Facility Address:

1ST & V ST SW
Washington, DC 20024

Dr. V. Sreenivas, Chief for
Hazardous Material and Toxic

This certificate effective 01 Jan 2003 and expires 31 Dec 2003.

This certificate authorizes the use of the listed underground storage tank system(s) only in accordance with the District of Columbia Underground Storage Tank Management Act of 1990 (D.C. Law 8-242) and supporting regulations.

The following tank(s) have been duly registered at this facility:

TANK STATUS	DESCRIPTION	SUBSTANCE STORED
009 Currently in Use	4,000 gal. Composite (Steel w/ FRP); Double-Walle	Used Oil
010 Currently in Use	4,000 gal. Composite (Steel w/ FRP); Double-Walle	Used Oil

Notification for Underground Storage Tanks	STATE USE ONLY
<small>State Agency Name and Address</small> Underground Storage Tank Program, D.C. Environmental Control Division, 2100 MLK Avenue SE, Washington, DC 20020	ID NUMBER <u>2-000609</u>
TYPE OF NOTIFICATION	DATE RECEIVED
<input type="checkbox"/> A. NEW FACILITY <input checked="" type="checkbox"/> B. AMENDED <input type="checkbox"/> C. CLOSURE	A. Date Entered Into Computer _____ B. Data Entry Clerk Initials _____ C. Owner Was Contacted to Clarify Responses. Comments _____ _____ _____
<u>10</u> No. of tanks at facility <u>3</u> No. of continuation sheets attached	
INSTRUCTIONS	
Please <u>type or print in ink</u> all items except "signature" in section V. This form must be completed for each location containing underground storage tanks. If more than five (5) tanks are owned at this location, photocopy the following sheets, and staple continuation sheets to the form.	

GENERAL INFORMATION

Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1974, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as amended.

The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or in the absence of such records, your knowledge, belief, or recollection.

Who Must Notify? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means—

- a) in the case of an underground storage tank in use on November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and
- b) in the case of any underground storage tank in use before November 8, 1984, but no longer in use on that date, any person who owned such tank immediately before the discontinuation of its use.
- c) If the State agency so requires, any facility that has undergone any changes to facility information or tank system status (only amended tank information needs to be included).

What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of regulated substances, and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: 1. Gasoline, used oil, or diesel fuel, and 2. industrial solvents, pesticides, herbicides or fumigants.

What Tanks Are Excluded? Tanks removed from the ground are not subject to notification. Other tanks excluded from notification are:

- 1. farm or residential tanks of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes;
- 2. tanks used for storing heating oil for consumptive use on the premises where stored;

- 3. septic tanks;
- 4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Safety Act of 1968, or the Hazardous Liquid Pipeline Safety Act of 1979, or which is an intrastate pipeline facility regulated under State laws;
- 5. surface impoundments, pits, ponds, or lagoons;
- 6. storm water or waste water collection systems;
- 7. flow-through process tanks;
- 8. liquid traps or associated gathering lines directly related to oil or gas production and gathering operations;
- 9. storage tanks situated in an underground area (such as a basement, cellar, mineworking drift, shaft, or tunnel) if the storage tank is situated upon or above the surface of the floor.

What Substances Are Covered? The notification requirements apply to underground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 101 (14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), with the exception of those substances regulated as hazardous waste under Subtitle C of RCRA. It also includes petroleum, e.g., crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute).

Where To Notify? Send completed forms to:

Underground Storage Tank Program
D.C. Environmental Control Division
2100 MLK Avenue SE
Washington, DC 20020

When To Notify? 1. Owners of underground storage tanks in use or that have been taken out of operation after January 1, 1974, but still in the ground, must notify by May 8, 1986. 2. Owners who bring underground storage tanks into use after May 8, 1986, must notify within 30 days of bringing the tanks into use. 3. If the State requires notification of any amendments to the facility send information to State agency immediately.

Penalties: Any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed \$10,000 for each tank for which notification is not given or for which false information is submitted.

I. OWNERSHIP OF TANK(S)	II. LOCATION OF TANK(S)
<small>Owner Name (Corporation, Individual, Public Agency, or Other Entity)</small> <u>Potomac Electric Power Company</u> <small>Street Address</small> <u>1900 Pennsylvania Avenue, N.W.</u> <u>Washington, D.C. 20068</u> <small>City State ZIP Code</small> <u>202/ 872-2000</u> <small>Phone Number (include Area Code)</small>	<small>If required by State, give the geographic location of tanks by degrees, minutes, and seconds. Examples: Lat. 42, 36, 12 N Long. 85, 24, 17 W</small> Latitude _____ Longitude _____ (If same as Section I, mark box here <input type="checkbox"/>) <small>Facility Name or Company Site Identifier, as applicable</small> <u>Buzzard Point Station</u> <small>Street Address (P.O. Box not acceptable)</small> <u>1st & V Street, S.W.</u> <u>Washington, D.C. 20024</u> <small>City State Zip code</small> County _____ Municipality _____

III. TYPE OF OWNER	IV. INDIAN LANDS	
<input type="checkbox"/> Federal Government <input type="checkbox"/> Commercial <input type="checkbox"/> State Government <input checked="" type="checkbox"/> Private <input type="checkbox"/> Local Government	<input type="checkbox"/> Tanks are located on land within an Indian Reservation or on other trust lands. <input type="checkbox"/> Tanks are owned by native American nation, tribe, or individual.	Tribe or Nation: <hr/>

V. TYPE OF FACILITY

Select the Appropriate Facility Description

<input type="checkbox"/> Gas Station	<input type="checkbox"/> Railroad	<input type="checkbox"/> Trucking/Transport
<input type="checkbox"/> Petroleum Distributor	<input type="checkbox"/> Federal - Non-Military	<input checked="" type="checkbox"/> Utilities
<input type="checkbox"/> Air Taxi (Airline)	<input type="checkbox"/> Federal - Military	<input type="checkbox"/> Residential
<input type="checkbox"/> Aircraft Owner	<input type="checkbox"/> Industrial	<input type="checkbox"/> Farm
<input type="checkbox"/> Auto Dealership	<input type="checkbox"/> Contractor	<input type="checkbox"/> Other (Explain) _____

VI. CONTACT PERSON IN CHARGE OF TANKS

Name	Job Title	Address	Phone Number (Include Area Code)
Fariba Mahvi	Project Engineer	1900 Penn. Ave., Wash. DC 20068	202/331-6641

VII. FINANCIAL RESPONSIBILITY

I have met the financial responsibility requirements in accordance with 40 CFR Subpart H XX

Check All that Apply

<input type="checkbox"/> Self Insurance	<input type="checkbox"/> Guarantee	<input type="checkbox"/> State Funds
<input checked="" type="checkbox"/> Commercial Insurance	<input type="checkbox"/> Surety Bond	<input type="checkbox"/> Trust Fund
<input type="checkbox"/> Risk Retention Group	<input type="checkbox"/> Letter of Credit	<input type="checkbox"/> Other Method Allowed Specify _____

VIII. CERTIFICATION (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name and official title of owner or owner's authorized representative (Print) John H. Keiller Sr. Project Engineer	Signature <i>John H. Keiller</i> for John H. Keiller	Date Signed 1/31/94
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EPA estimates public reporting burden for this form to average 30 minutes per response including time for reviewing instructions, gathering and maintaining the data needed and completing and reviewing the form. Send comments regarding this burden estimate to Chief, Information Policy Branch PM-223, U.S. Environmental Protection Agency, 401 M Street, Washington D.C. 20460, marked "Attention Desk Officer for EPA." This form amends the previous notification form as printed in 40 CFR Part 280, Appendix I. Previous editions of this notification form may be used while supplies last.

IX. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)

Tank Identification Number	Tank No. ^{UTP1-B} _____	Tank No. ^{UTP2-B} _____	Tank No. ^{UTP3-B} _____	Tank No. ^{UTP4-B} _____	Tank No. _____
1. Status of Tank (mark only one) Currently in Use <input type="checkbox"/> Temporarily Out of Use <input type="checkbox"/> <small>(Remember to # out section X.)</small> Permanently Out of Use <input checked="" type="checkbox"/> <small>(Remember to # out section X.)</small> Amendment of Information <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Date of Installation (mo./year)	1968	1968	1968	1968	
3. Estimated Total Capacity (gallons)	2,000	2,000	2,000	2,000	
4. Material of Construction (Mark all that apply) Asphalt Coated or Bare Steel <input checked="" type="checkbox"/> Cathodically Protected Steel <input type="checkbox"/> Epoxy Coated Steel <input type="checkbox"/> Composite (Steel with Fiberglass) <input type="checkbox"/> Fiberglass Reinforced Plastic <input type="checkbox"/> Lined Interior <input type="checkbox"/> Double Walled <input type="checkbox"/> Polyethylene Tank Jacket <input type="checkbox"/> Concrete <input type="checkbox"/> Excavation Liner <input type="checkbox"/> Unknown <input type="checkbox"/> Other, Please specify _____ _____ Has tank been repaired? <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Piping (Material) (Mark all that apply) Bare Steel <input checked="" type="checkbox"/> Galvanized Steel <input type="checkbox"/> Fiberglass Reinforced Plastic <input type="checkbox"/> Copper <input type="checkbox"/> Cathodically Protected <input type="checkbox"/> Double Walled <input type="checkbox"/> Secondary Containment <input type="checkbox"/> Unknown <input type="checkbox"/> Other, Please specify _____ _____	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Piping (Type) (Mark all that apply) Suction: no valve at tank <input type="checkbox"/> Suction: valve at tank <input type="checkbox"/> Pressure <input type="checkbox"/> Gravity Feed <input checked="" type="checkbox"/> Has piping been repaired? <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

IX. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)

Tank Identification Number	Tank No. <u>5P</u>	Tank No. <u>6P</u>	Tank No. <u>7P</u>	Tank No. <u>8P</u>	Tank No. _____
1. Status of Tank (mark only one)					
Currently in Use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Temporarily Out of Use (Remember to fill out section X.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Permanently Out of Use (Remember to fill out section X.)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Amendment of Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Date of Installation (mo./year)	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	
3. Estimated Total Capacity (gallons)	10,000	10,000	2,000	500	
4. Material of Construction (Mark all that apply)					
Asphalt Coated or Bare Steel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cathodically Protected Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Epoxy Coated Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Composite (Steel with Fiberglass)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fiberglass Reinforced Plastic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lined Interior	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Double Walled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Polyethylene Tank Jacket	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Concrete	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Excavation Liner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unknown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other, Please specify _____					
Has tank been repaired?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Piping (Material) (Mark all that apply)					
Bare Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Galvanized Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fiberglass Reinforced Plastic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Copper	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cathodically Protected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Double Walled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Secondary Containment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unknown	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other, Please specify _____					
6. Piping (Type) (Mark all that apply)	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	
Suction: no valve at tank	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Suction: valve at tank	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pressure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gravity Feed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Has piping been repaired?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

IX. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)					
Tank Identification Number	Tank No. <u>UTD5-B</u>	Tank No. <u>UTD6-B</u>	Tank No. _____	Tank No. _____	Tank No. _____
1. Status of Tank (mark only one)	Currently in Use	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Temporarily Out of Use <small>(Remember to fill out section X.)</small>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Permanently Out of Use <small>(Remember to fill out section X.)</small>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Amendment of Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Date of Installation (mo./year)	9/1993	10/1993			
3. Estimated Total Capacity (gallons)	4,000	4,000			
4. Material of Construction (Mark all that apply)	Asphalt Coated or Bare Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Cathodically Protected Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Epoxy Coated Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Composite (Steel with Fiberglass)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Fiberglass Reinforced Plastic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Lined Interior	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Double Walled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Polyethylene Tank Jacket	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Concrete	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Excavation Liner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Unknown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other, Please specify	<u>Buffhide</u>	<u>Buffhide</u>		
	Has tank been repaired?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Piping (Material) (Mark all that apply)	Bare Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Galvanized Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Fiberglass Reinforced Plastic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Copper	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Cathodically Protected	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Double Walled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Secondary Containment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Unknown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other, Please specify	<u>Coated & Wrapped Steel</u>	<u>Coated & Wrapped Steel</u>		
6. Piping (Type) (Mark all that apply)	Suction: no valve at tank	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Suction: valve at tank	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Pressure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Gravity Feed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Has piping been repaired?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Tank Identification Number	Tank No. _____	Tank No. _____	Tank No. _____	Tank No. _____	Tank No. _____
7. Substance Currently or Last Stored In Greatest Quantity by Volume Gasoline Diesel Gasohol Kerosene Heating Oil Used Oil Other, Please specify <u>Waste Oil</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Hazardous Substance CERCLA name and/or, CAS number	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Mixture of Substances Please specify	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
X. TANKS OUT OF USE, OR CHANGE IN SERVICE					
1. Closing of Tank					
A. Estimated date last used (mo./day/year)	<u>8/12/92</u>	<u>9/6/93</u>	<u>10/11/93</u>	<u>8/28/91</u>	<input type="text"/>
	<u>8/13/92</u>	<u>9/9/93</u>	<u>10/13/93</u>	<u>8/28/91</u>	<input type="text"/>
B. Estimate date tank closed (mo./day/year)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
C. Tank was removed from ground	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
D. Tank was closed in ground	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. Tank filled with inert material Describe	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
F. Change in service	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2. Site Assessment Completed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Evidence of a leak detected Corrective action conducted in accordance with 40 CFR 280.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Tank Identification Number	Tank No. <u>5P</u>	Tank No <u>6P</u>	Tank No. <u>7P</u>	Tank No. <u>8P</u>	Tank No. _____
7. Substance Currently or Last Stored In Greatest Quantity by Volume					
Gasoline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diesel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gasohol	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kerosene	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Heating Oil	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Used Oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other, Please specify	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	No. 2 Fuel Oil	No. 2 Fuel Oil	Fuel Additive	Varsol	
Hazardous Substance CERCLA name and/or, CAS number	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mixture of Substances Please specify	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
X. TANKS OUT OF USE, OR CHANGE IN SERVICE					
1. Closing of Tank					
A. Estimated date last used (mo./day/year)	<u>6/84</u>	<u>6/84</u>	<u>6/84</u>	<u>6/84</u>	<input type="checkbox"/>
B. Estimate date tank closed (mo./day/year)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. Tank was removed from ground	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Tank was closed in ground	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. Tank filled with inert material Describe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
F. Change in service (in 1976 from Gasoline to Varsol)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Site Assessment Completed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Evidence of a leak detected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Tank Identification Number	Tank No. <u>UTP5</u>	BTank No. <u>UTP6</u>	BTank No. _____	Tank No. _____	Tank No. _____
7. Substance Currently or Last Stored In Greatest Quantity by Volume					
Gasoline	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Diesel	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Gasohol	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Kerosene	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Heating Oil	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Used Oil	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other, Please specify	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Waste Oil	Waste Oil			
Hazardous Substance CERCLA name and/or, CAS number	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Mixture of Substances Please specify	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
X. TANKS OUT OF USE, OR CHANGE IN SERVICE					
1. Closing of Tank					
A. Estimated date last used (mo./day/year)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
B. Estimate date tank closed (mo./day/year)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
C. Tank was removed from ground	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
D. Tank was closed in ground	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
E. Tank filled with inert material Describe	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
F. Change in service	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2. Site Assessment Completed	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Evidence of a leak detected	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

NEW TANKS

XI. CERTIFICATION OF COMPLIANCE (COMPLETE FOR ALL NEW AND UPGRADED TANKS AT THIS LOCATION)

Tank Identification Number	UTIP5B Tank No. _____	UTIP6-B Tank No. _____	Tank No. _____	Tank No. _____	Tank No. _____
1. Installation					
A. Installer certified by tank and piping manufacturers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Installer certified or licensed by the implementing agency	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. Installation inspected by a registered engineer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Installation inspected and approved by implementing agency	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. Manufacturer's installation checklists have been completed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F. Another method allowed by State agency. Please specify.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Release Detection (Mark all that apply)	TANK	PIPING	TANK	PIPING	TANK	PIPING	TANK	PIPING	TANK	PIPING
A. Manual tank gauging	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
B. Tank tightness testing	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
C. Inventory controls	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
D. Automatic tank gauging	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
E. Vapor monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F. Groundwater monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G. Interstitial monitoring double walled tank/piping	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
H. Interstitial monitoring/secondary containment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I. Automatic line leak detectors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
J. Line tightness testing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
K. Other method allowed by Implementing Agency. Please specify.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Spill and Overfill Protection					
A. Overfill device installed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Spill device installed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

OATH: I certify the information concerning installation that is provided in section XI is true to the best of my belief and knowledge.

Installer: Thomas W Bennett Thomas W Bennett 1/21/94
 Name Signature Date
General Foreman Flippo Const Inc
 Position Company
 (state of Maryland
 Installer certificate # MDIC 92-0298)

POTOMAC ELECTRIC POWER COMPANY

1900 PENNSYLVANIA AVE. N.W.

WASHINGTON, D.C. 20068-0001

WASTE MANAGEMENT DEPARTMENT

Certified Mail
Return Receipt Requested

January 31, 1994

Mr. Ali Nahidi
Department of Consumer & Regulatory Affairs
Environmental Regulation Administration
2100 Martin Luther King, Jr., Ave. SE
Washington, DC 20020


RE: Registration of New Underground Storage Tanks

Dear Mr. Nahidi:

Potomac Electric Power Company, submits herewith an amended UST notification form for Buzzard Point Generating Station in order to register the two (2) new 4,000 gallon USTs installed at this station.

Please contact me at (202) 331-6641 if any additional information is required.

Sincerely,


Fariba Mahvi

Attachment



Vincent C. Gray
Mayor

GOVERNMENT OF THE DISTRICT OF COLUMBIA
D.C. FIRE AND EMERGENCY MEDICAL SERVICES DEPARTMENT



Kenneth B. Ellerbe
Fire and EMS Chief

Sent via email to: kholland@haleyaldrich.com

December 27, 2013

Haley
7926 Jones Branch Drive, Suite 870
McLean, VA 22102
Attention: Kelly Holland

Dear Sir/Madam:

In my official capacity as Freedom of Information Act (“FOIA”) Officer for the District of Columbia Fire and EMS Department (“FEMS”), I hereby acknowledge that I received your FOIA request on July 12, 2013 for documents related to:

- **Properties on Potomac Avenue & 1st Street, SW**

Your request is attached to this letter. This letter both acknowledges and responds to your request. The District of Columbia Fire and EMS Department response to your FOIA request is due within fifteen business days or by August 2, 2013; however your response is being disseminated on December 27, 2013. Under FOIA, FEMS is required to make available documents that exist, but the department is not required to create documents to answer a question or to pull together information in a specific format. In addition, FEMS’s responsibility under FOIA extends only to those public documents which the department maintains and does not extend to public documents which may be maintained by other District of Columbia agencies.

Please be advised as follows: (1) Shakira Pleasant, FOIA Officer for the DC Fire and EMS Department, is the public official responsible for granting or denying your request; (2) in accordance with D.C. Official Code § 2-532 (a-1), this FOIA request is partially being granted and the documents responsive to your request are attached; and (3) if you so choose, you have the right to treat the delay as a denial of your request and appeal this decision to the Mayor, or his designee, or to the Superior Court of the District of Columbia as provided in D.C. Official Code § 2-537(a) and (a-1).

Appeal rights are attached to this correspondence. If you have any questions about this response to your FOIA request, please contact me at (202) 673-3397.

Sincerely yours,

Shakira Pleasant



FOIA/PRA Request

FOIA for properties on Poto...

Request Number 13-0262 Request Status Active - One Office Respond By

General

Tracking Information

Request Number	13-0262	Request Status	Active - One Office	Respond By	8/2/2
Date of Request	7/24/2013	If Closed - Other, specify reason		Date Closed	
Date Request Recv'd	7/12/2013	If Imperfect, Date Notice Sent		Appeal Due Date	

Key Dates

Acknowledgement Letter Sent	Records Made Avail. to Requestor
Days to Acknowledge	Days to Close

Requestor Information - (Click name for additional details)

Requestor	Karin Holland	E-Mail	kholland@haleyaldrich.com
Requesting Organization	Haley	Primary Phone	858-531-1675
Fee Category	Commercial Use		

Request Details

Request Type	Freedom of Information Act	Track	Track I - Simple
Short Description	FOIA for properties on Potomac Avenue & 1st Street SW		
Request Details	Dear Sir or Madam,		

Description of Documents Sent Please could you provide me all available records on the following properties under the Freedom of Inform
 - 100 S Street, SW
 - 180 S Street, SW
 - 1714 2nd St., SW
 - 1812 Half St., SW

Document Location K:\foia\

Intake Method Web **Requested Delivery Method** Email

Additional Details

Is this a Referral? No **Consultation Only** No **Is this an Appeal?** No

Referral Direction **Consult Response To** **Has Additional Documents?** No

Referred To/From

Extension Information

Extension Reason **Extension Letter Sent**

Expedited Request Information

Expedited Processing Requested No **Reason for Expediting** **Expedited Processing Approved** No

Reason for Expedited Processing Denial
Citizen's Justification for Expediting

Date of Decision on Expediting Request **Days to Adjudicate Expedited Processing**

Fee Waiver

Agrees to Pay Fees Yes **Fee Waiver Requested** No **Fee Waiver Granted**

Incident Report

Washington DC Fire & EMS Department

2011-0121504 -000

Basic

Alarm Date and Time	11:02:00	Friday, September 9, 2011
Arrival Time	11:08:21	
Controlled Date and Time		
Last Unit Cleared Date and Time	11:13:42	Friday, September 9, 2011
Response Time	0:06:21	
Priority Response	Yes	
Completed	Yes	
Fire Department Station	07	
Shift	A	
Incident Type	152 - Garbage dump or sanitary landfill fire	
Initial Dispatch Code		
Aid Given or Received	N - None	
Alarms	1	
Action Taken 1	00 - Action taken, other	
Casualties	No	
Apparatus - Suppression	1	
Personnel - Suppression Personnel	4	
Property Loss	\$0.00	
Contents Loss	\$0.00	
Property Value	\$0.00	
Contents Value	\$0.00	
Property Use	000 - Property Use, other	
Location Type	Address	
Address	1711 1ST ST SW	
City, State Zip	WASHINGTON, DC 20024	

Narratives

Narrative Name	CAD Narrative		
Narrative Type	CAD Narrative		
Author	-		
Narrative Text	F110121504 E Type:	OUTSIDE FIRE- UKN	Sub Type:Disp:
	COMMENTS:		
	OUTSIDE FIRE- UKN		
	SPECIAL ADDRESS COMMENT:This record created by the CADAVU (Address Verification Utility) program.: was not selected from Case Entry.:The caller is on scene (1st party).:The caller is safe and out of danger.:It is not known if everyone else is safe and out of danger.:It is not known exactly what is burning.:The fire has not been extinguished.:The fire is not threatening anything at present.:It is not known if there are hazardous materials involved.FIRE IN SCRAP YARDResponse text:		
	Duplicate Event:Location =		
	, CrossStreet 1 = R ST SW, Cross Street 2 = S ST SW, Alarm Level =		
	0SPECIAL ADDRESS COMMENT:This record created by the CADAVU (Address Verification Utility) program.End of Duplicate Event data==\ATTEMPTING CALL BACK FOR BETTER LOCE07P RPTS NOTHING FOUND		

Narrative Name	New Narrative
Narrative Type	Incident
Narrative Date	12:16:21 Friday, September 9, 2011

Incident Report

Washington DC Fire & EMS Department

2011-0121504 -000

Narratives	
Author	
Author Rank	SGT
Author Assignment	1
Narrative Text	Nothing found

End of Report



District of Columbia Fire & EMS Department
 Fire Prevention Division
 1100 4th Street SW, Suite: E-700
 Washington, D.C. 20024-4451



RI2-Reinspection-2 Assigned To GODFREY, Brian on 11/26/2013

Start Date:
Business Name: BIG BEAR CAFE
Address: 1700 1ST ST NE
City/State/Zip: WASHINGTON, DC 20001

Finish Date:
Occupancy ID:
Station No.:
Business Phone:

<u>Complex Info</u>	<u>Main Floor</u>	<u>Stories</u>	<u>Estimated Values</u>
Commercial Units: 0	Length: 0	Above Grade: 0	Property: \$0.00
Residential Units: 0	Width: 0	Below Grade: 1	Content: \$0.00
Complex Type: 4	Area: 0	Upper Construction: -	
Complex:	Construction: -		

An authorized representative of the Fire Chief of the District of Columbia Fire and EMS Department has observed the following violation(s) of the District of Columbia Fire Prevention Code at your premises.

ALL VIOLATIONS MUST BE ABATED IMMEDIATELY

<u>Violations</u>	<u>Date Found</u>	<u>Date Cleared</u>	<u>Standard/Reference</u>
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2006 IFC CH 03

304.1.1 WASTE MATERIAL

06/10/2013

11/26/2013

{IFC 2006 International Code set}

304.1.1 - Waste material.: Accumulations of wastepaper, wood, hay, straw, weeds, litter or combustible or flammable waste or rubbish of any type shall not be permitted to remain on a roof or in any court, yard, vacant lot, alley, parking lot, open space, or beneath a grandstand, bleacher, pier, wharf, manufactured home, recreational vehicle or other similar structure.

2006 IFC CH 06

605.3 WORKING SPACE & CLEARANCE

06/10/2013

11/26/2013

{IFC 2006 International Code set}

605.3 - Working space and clearance.: A working space of not less than 30 inches (762 mm) in width, 36 inches (914 mm) in depth and 78 inches (1981 mm) in height shall be provided in front of electrical service equipment. Where the electrical service equipment is wider than 30 inches (762 mm), the working space shall not be less than the width of the equipment. No storage of any materials shall be located within the designated working space.

Exceptions:

1.Where other dimensions are required or allowed by the ICC Electrical Code.

2.Access openings into attics or under-floor areas which provide a minimum clear opening of 22 inches (559 mm) by 30 inches (762 mm).

605.5 EXTENSION CORDS

06/10/2013

11/26/2013

{IFC 2006 International Code set}

605.5 - Extension cords.: Extension cords and flexible cords shall not be a substitute for permanent wiring. Extension cords and flexible cords shall not be affixed to structures, extended through walls, ceilings or floors, or under doors or floor coverings, nor shall such cords be subject to environmental damage or physical impact. Extension cords shall be used only with portable appliances.

ABATED

ALL VIOLATIONS ABATED

11/26/2013

APPROVAL GIVEN

APPROVAL GIVEN

11/26/2013

RI2-Reinspection-2 Assigned To GODFREY, Brian on 11/26/2013

Start Date:
Business Name: BIG BEAR CAFE
Address: 1700 1ST ST NE
City/State/Zip: WASHINGTON, DC 20001

Finish Date:
Occupancy ID:
Station No.:
Business Phone:

Comment: No violations at this time. Approval given

BB0E62C41D194

**PENALTIES-SECTION 112
FAILURE TO COMPLY WITH THE
DISTRICT OF COLUMBIA FIRE CODE**

F-112.3 Penalty for Violations: Any person, firm or corporation violating any of the provisions of this code or failing to comply with any order issued pursuant to any section thereof, upon conviction thereof shall be punished by a fine of not more than three hundred dollars (\$300) or imprisonment for not more than ninety (90) days, or both. Each day that a violation continues, after a service of notice as provided in this code, shall be deemed a separate offense.

F-112.4 Civil Infractions: Civil fines, penalties, and fees may be imposed as alternative sanctions for any infraction of the provisions of this code, or any rules or regulations issued under authority of this code or pursuant to Title I-III of the Department of Consumer and Regulatory Affairs Civil Infractions Act of 1985, D.C. Law 6-42, D.C. Code sec.6-2700 et seq.

(NOTICE)

Notwithstanding the existence of the above penalties, any violation or attempted violation of this code may be restrained, corrected or abated, as the case may be, by injunction or other appropriate proceeding.

SECTION 113 APPEALS

DCMR 12H F-113.1 Right of Appeal. Any person directly affected by a notice or order issued under this *Fire Prevention Code* shall have the right to appeal to the Office of Administrative Hearings, pursuant to the Office of Administrative Hearings Act, effective March 6, 2002 (D.C. Law 14-76; D.C. Official Code §2-1831.01 *et seq.* and regulations promulgated thereunder. The appeal shall be filed within ten (10) days of the date of service of the notice or order. An appeal shall be based on a claim that the true intent of this code has been incorrectly interpreted, the provisions of the code do not fully apply, or the requirements of this code are adequately satisfied by other means. Appeals of notices (other than notices pursuant to Section F-110H (Unsafe Conditions) or section F-111H (Emergency Measures) shall stay the enforcement of the notice until the appeal is heard by the Office of Administrative Hearings.

Failure to remedy said violations will subject you to the penalties as prescribed by Section 112.2 and F-112.3 of the International Fire Code (2006) as amended by the D.C. Fire Prevention code Supplement (2008) (DCMR 12H) shall constitute the D.C. Fire Prevention Code (2008). If you do not understand any part of this notice, please contact this office at (202) 727-1600

RI2-Reinspection-2 Assigned To GODFREY, Brian on 11/26/2013

Start Date:
Business Name: BIG BEAR CAFE
Address: 1700 1ST ST NE
City/State/Zip: WASHINGTON, DC 20001

Finish Date:
Occupancy ID:
Station No.:
Business Phone:

Signature

Recipient:

MR. Ryan Welsh

Inspector

Brian Godfrey

(202) 727-1600 (office)

(202) 727-3238 (fax)

www.fems.dc.gov

"Fire Sprinklers and Smoke Alarms Save Lives"



District of Columbia Fire & EMS Department
 Fire Prevention Division
 1100 4th Street SW, Suite: E-700
 Washington, D.C. 20024-4451



General Inspection (Commercial) Assigned To BRIMAGE, Ursula on 6/10/2013

Start Date: 6/10/2013 12:00:00AM
Business Name: BIG BEAR CAFE
Address: 1700 1ST ST NE
City/State/Zip: WASHINGTON, DC 20001

Finish Date: 6/10/2013 12:00:00AM
Occupancy ID:
Station No.:
Business Phone:

<u>Complex Info</u>	<u>Main Floor</u>	<u>Stories</u>	<u>Estimated Values</u>
Commercial Units: 0	Length: 0	Above Grade: 0	Property: \$0.00
Residential Units: 0	Width: 0	Below Grade: 0	Content: \$0.00
Complex Type: 4	Area: 0	Upper Construction: -	
Complex:	Construction: -		

An authorized representative of the Fire Chief of the District of Columbia Fire and EMS Department has observed the following violation(s) of the District of Columbia Fire Prevention Code at your premises.

ALL VIOLATIONS MUST BE ABATED IMMEDIATELY

<u>Violations</u>	<u>Date Found</u>	<u>Date Cleared</u>	<u>Standard/Reference</u>
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2006 IFC CH 03

315.2 STORAGE IN BUILDINGS

06/10/2013

{IFC 2006 International Code set}

315.2 - Storage in buildings.: Storage of combustible materials in buildings shall be orderly. Storage shall be separated from heaters or heating devices by distance or shielding so that ignition cannot occur.

304.1.1 WASTE MATERIAL

06/10/2013

{IFC 2006 International Code set}

304.1.1 - Waste material.: Accumulations of wastepaper, wood, hay, straw, weeds, litter or combustible or flammable waste or rubbish of any type shall not be permitted to remain on a roof or in any court, yard, vacant lot, alley, parking lot, open space, or beneath a grandstand, bleacher, pier, wharf, manufactured home, recreational vehicle or other similar structure.

2006 IFC CH 06

605.3 WORKING SPACE & CLEARANCE

06/10/2013

{IFC 2006 International Code set}

605.3 - Working space and clearance.: A working space of not less than 30 inches (762 mm) in width, 36 inches (914 mm) in depth and 78 inches (1981 mm) in height shall be provided in front of electrical service equipment.

Where the electrical service equipment is wider than 30 inches (762 mm), the working space shall not be less than the width of the equipment. No storage of any materials shall be located within the designated working space.

Exceptions:

1. Where other dimensions are required or allowed by the ICC Electrical Code.

2. Access openings into attics or under-floor areas which provide a minimum clear opening of 22 inches (559 mm) by 30 inches (762 mm).

605.5 EXTENSION CORDS

06/10/2013

{IFC 2006 International Code set}

605.5 - Extension cords.: Extension cords and flexible cords shall not be a substitute for permanent wiring.

Extension cords and flexible cords shall not be affixed to structures, extended through walls, ceilings or floors, or under doors or floor coverings, nor shall such cords be subject to environmental damage or physical impact.

Extension cords shall be used only with portable appliances.

2006 IFC CH 10

General Inspection (Commercial) Assigned To BRIMAGE, Ursula on 6/10/2013

Start Date: 6/10/2013 12:00:00AM
Business Name: BIG BEAR CAFE
Address: 1700 1ST ST NE
City/State/Zip: WASHINGTON, DC 20001

Finish Date: 6/10/2013 12:00:00AM
Occupancy ID:
Station No.:
Business Phone:

<u>Violations</u>	<u>Date Found</u>	<u>Date Cleared</u>	<u>Standard/Reference</u>
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1028.5 FURNISHINGS & DECORATIONS	06/10/2013		
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{IFC 2006 International Code set}

1028.5 - Furnishings and decorations.: Furnishings, decorations or other objects shall not be placed so as to obstruct exits, access thereto, egress therefrom, or visibility thereof. Hangings and draperies shall not be placed over exit doors or otherwise be located to conceal or obstruct an exit. Mirrors shall not be placed on exit doors. Mirrors shall not be placed in or adjacent to any exit in such a manner as to confuse the direction of exit.

1028.5 FURNISHINGS & DECORATIONS	06/10/2013		
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{IFC 2006 International Code set}

1028.5 - Furnishings and decorations.: Furnishings, decorations or other objects shall not be placed so as to obstruct exits, access thereto, egress therefrom, or visibility thereof. Hangings and draperies shall not be placed over exit doors or otherwise be located to conceal or obstruct an exit. Mirrors shall not be placed on exit doors. Mirrors shall not be placed in or adjacent to any exit in such a manner as to confuse the direction of exit.

ED2A80F219192

**PENALTIES-SECTION 112
FAILURE TO COMPLY WITH THE
DISTRICT OF COLUMBIA FIRE CODE**

F-112.3 Penalty for Violations: Any person, firm or corporation violating any of the provisions of this code or failing to comply with any order issued pursuant to any section thereof, upon conviction thereof shall be punished by a fine of not more than three hundred dollars (\$300) or imprisonment for not more than ninety (90) days, or both. Each day that a violation continues, after a service of notice as provided in this code, shall be deemed a separate offense.

F-112.4 Civil Infractions: Civil fines, penalties, and fees may be imposed as alternative sanctions for any infraction of the provisions of this code, or any rules or regulations issued under authority of this code or pursuant to Title I-III of the Department of Consumer and Regulatory Affairs Civil Infractions Act of 1985, D.C. Law 6-42, D.C. Code sec.6-2700 et seq.

(NOTICE)

Notwithstanding the existence of the above penalties, any violation or attempted violation of this code may be restrained, corrected or abated, as the case may be, by injunction or other appropriate proceeding.

SECTION 113 APPEALS

DCMR 12H F-113.1 Right of Appeal. Any person directly affected by a notice or order issued under this *Fire Prevention Code* shall have the right to appeal to the Office of Administrative Hearings, pursuant to the Office of Administrative Hearings Act, effective March 6, 2002 (D.C. Law 14-76; D.C. Official Code §2-1831.01 *et seq.* and regulations promulgated thereunder. The appeal shall be filed within ten (10) days of the date of service of the notice or order. An appeal shall be based on a claim that the true intent of this code has been incorrectly interpreted, the provisions of the code do not fully apply, or the requirements of this code are adequately satisfied by other means. Appeals of notices (other than notices pursuant to Section F- 110H (Unsafe Conditions) or section F-111H (Emergency Measures) shall stay the enforcement of the notice until the appeal is heard by the Office of Administrative Hearings.

Failure to remedy said violations will subject you to the penalties as prescribed by Section 112.2 and F-112.3 of the International Fire Code (2006) as amended by the D.C. Fire Prevention code Supplement (2008) (DCMR 12H) shall constitute the D.C. Fire Prevention Code (2008). If you do not understand any part of this notice, please contact this office at (202) 727-1600

General Inspection (Commercial) Assigned To BRIMAGE, Ursula on 6/10/2013

Start Date: 6/10/2013 12:00:00AM
Business Name: BIG BEAR CAFE
Address: 1700 1ST ST NE
City/State/Zip: WASHINGTON, DC 20001

Finish Date: 6/10/2013 12:00:00AM
Occupancy ID:
Station No.:
Business Phone:

Signature

Recipient:

MR. stuart davenport

Unassigned

Inspector

Ursula Brimage

Inspector

(202) 727-1600 (office)

(202) 727-3238 (fax)

www.fems.dc.gov

“Fire Sprinklers and Smoke Alarms Save Lives”

GENERAL INFORMATION

FOIA Request Response

Attached are copies of documents and/or records produced in response to a Freedom of Information Act (FOIA) request submitted to the Fire and EMS Department. Unless otherwise noted in this report, the documents and/or records attached represent a full and complete record in response to the request, as made known to the FOIA Officer by Department officials at the time this response was produced.

Privacy

Information contained in certain documents and records may be redacted to protect the privacy of individuals. Such redaction may include names, addresses, telephone numbers or other information used for personal identification, when not pertinent to the nature of the FOIA request. Individual protected health information (PHI) shall be redacted from all requested records, unless the submitted request falls within the requirements of federal and District privacy laws allowing the release of PHI.

Exemptions from FOIA Disclosure

The FOIA statute provides that certain categories of documents may be withheld from disclosure. Included among these are documents that relate to law-enforcement activities, documents subject to recognized legal privileges such as the attorney-client and work-product privileges, documents required to be withheld by other laws (federal or District), documents that reflect the internal deliberative processes of the government, and documents the disclosure of which would result in a clearly unwarranted intrusion on personal privacy. For a complete list of the exemptions, please see DC Official Code § 2-534.

Appeals or Judicial Review of Denials

If you consider this response a denial of your FOIA request, you have the right to appeal to the Mayor or to the Superior Court of the District of Columbia (D.C. Official Code § 2-537 and 1 DCMR 412). If you elect to appeal to the Mayor, your appeal must be in writing and contain "Freedom of Information Act Appeal" or "FOIA Appeal" in the subject line of the letter as well as on the outside of the envelope. The appeal must include (1) a copy of the original request, (2) a copy of the Fire and EMS Department denial letter, (3) a statement of the circumstances, reasons, and or arguments advanced in support of disclosure, and (4) a daytime telephone number, and e-mail and/or U.S. Mail address at which you can be reached. The appeal must be mailed to:

Mayor's Correspondence Unit

FOIA Appeal

1350 Pennsylvania Avenue, N.W., Suite 316

Washington, D.C. 20004.

Electronic versions of the same information can instead be e-mailed to the Mayor's Correspondence Unit at:

foia.mayor@dc.gov

Further, a copy of all appeal materials must be forwarded to the Fire and EMS Department FOIA Officer. Failure to follow these administrative steps will result in delay in the processing and commencement of a response to your appeal to the Mayor.

APPENDIX E

**Site Photographs
(on CD)**

**SUPER SALVAGE INC. PARCEL AT BUZZARD POINT, SQUARE 0605, LOT 0802
WASHINGTON, DC
File No. 40223-001
Date Photographs Taken: 28 August 2013**



Photo #1: View from the west of ASTs in southeastern portion of Square 0605, Lot 0802



Photo #2: View from the north of ASTs in southeastern portion of Square 0605, Lot 0802

SUPER SALVAGE INC. PARCEL AT BUZZARD POINT, SQUARE 0605, LOT 0802
WASHINGTON, DC
File No. 40223-001
Date Photographs Taken: 28 August 2013



Photo #3: Oil located in AST secondary containment in southeastern portion of Square 0605, Lot 0802



Photo #4: Staining of concrete in Square 0605, Lot 0802

SUPER SALVAGE INC. PARCEL AT BUZZARD POINT, SQUARE 0605, LOT 0802
WASHINGTON, DC
File No. 40223-001
Date Photographs Taken: 28 August 2013



Photo #5: Diesel AST in northern portion of Square 0605, Lot 0802



Photo #6: Staining around AST in northern portion of Square 0605, Lot 0802

**SUPER SALVAGE INC. PARCEL AT BUZZARD POINT, SQUARE 0605, LOT 0802
WASHINGTON, DC
File No. 40223-001
Date Photographs Taken: 28 August 2013**



Photo #7: Diesel AST in central portion of Square 0605, Lot 0802



Photo #8: Sump in southeastern portion of Square 0605, Lot 0802

APPENDIX F

**Geoprobe Reports & Observation Well Installation Reports
(on CD)**

Project Buzzard Point, Washington, DC
 Client McKissack & McKissack
 Contractor Vironex

File No. 40223-002
 Sheet No. 1 of 1
 Start 22 April 2015
 Finish 22 April 2015
 Driller C. Terry/R. Mulford
 H&A Rep. C. Tschibelu

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe Bit Type: Cutting Head
Inside Diameter (in.)	-	-	-	Drill Mud: None
Hammer Weight (lb)	-	-	-	Casing: Geoprobe
Hammer Fall (in.)	-	-	-	Hoist/Hammer: Automatic Hammer PID Make & Model: MiniRAE 2000
				Elevation
				Datum
				Location See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel		Sand			Field Test				
								% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0		G1 7	0.0 10.0	4.2	SC	0.5	6.0 IN. THICK CONCRETE			15		40	45				
							Gray brown clayey SAND with gravel (SC), mps 19 mm, no structure, no odor, moist, contains oil staining										
5		2		19.4	SC	5.0	Gray clayey SAND (SC), mps < 1 mm, no structure, no odor, moist, contains oil staining				10	50	40				
10						10.0	BOTTOM OF EXPLORATION 10.0 FT										

Water Level Data						Sample ID		Well Diagram			Summary		
Date	Time	Elapsed Time (hr.)	Depth (ft) to:			O - Open End Rod	T - Thin Wall Tube	U - Undisturbed Sample	S - Splitspoon Sample	G - Geoprobe		Overburden (ft)	Rock Cored (ft)
			Bottom of Casing	Bottom of Hole	Water								
												10.0	-
											Boring No.	DP-001	

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

***Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Project Buzzard Point, Washington, DC
 Client McKissack & McKissack
 Contractor Vironex

File No. 40223-002
 Sheet No. 1 of 1
 Start 22 April 2015
 Finish 22 April 2015
 Driller C. Terry/R. Mulford
 H&A Rep. C. Tschibelu

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe Bit Type: Cutting Head
Inside Diameter (in.)	-	-	-	Drill Mud: None
Hammer Weight (lb)	-	-	-	Casing: Geoprobe
Hammer Fall (in.)	-	-	-	Hoist/Hammer: Automatic Hammer PID Make & Model: MiniRAE 2000
				Elevation
				Datum
				Location See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel		Sand			Field Test					
								% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	
0		G1 20	0.0 10.0	3.8	SC	0.5	6.0 IN. THICK CONCRETE											
							Brown clayey SAND (SC), mps 19 mm, no structure, no odor, moist, contains debris (red bick) and oil staining	10	5	10	45	30						
5		14			SC				5	10	10	45	30					
10						10.0	BOTTOM OF EXPLORATION 10.0 FT											

Water Level Data						Sample ID		Well Diagram			Summary		
Date	Time	Elapsed Time (hr.)	Depth (ft) to:			O - Open End Rod	T - Thin Wall Tube	U - Undisturbed Sample	S - Splitspoon Sample	G - Geoprobe		Overburden (ft)	Rock Cored (ft)
			Bottom of Casing	Bottom of Hole	Water								
												10.0	-
											Boring No. DP-002		

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

***Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Project Buzzard Point, Washington, DC
 Client McKissack & McKissack
 Contractor Vironex

File No. 40223-002
 Sheet No. 1 of 2
 Start 22 April 2015
 Finish 22 April 2015
 Driller C. Terry/R. Mulford
 H&A Rep. C. Tschibelu

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe Bit Type: Cutting Head
Inside Diameter (in.)	-	-	-	Drill Mud: None
Hammer Weight (lb)	-	-	-	Casing: Geoprobe
Hammer Fall (in.)	-	-	-	Hoist/Hammer: Automatic Hammer PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Well Diagram	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION									
								(Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)									
								Gravel		Sand			Field Test				
								% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength

0								1.0 FT THICK OF CONCRETE																			
		33		6.2	CL		1.0	Yellow brown sandy lean CLAY with gravel (CL), mps 19 mm, no structure, no odor, moist, contains oil staining at 3.0 ft										5	10				35	50			
5		23		8.1	SM		5.0	Yellow brown and gray silty SAND (SM), mps 4.75 mm, no structure, no odor, moist											5	5	10	50	30				
10		47		7.4	CL		10.0	Yellow brown and olive sandy lean CLAY (CL), mps <1 mm, no structure, no odor, moist															30	70			
15		G1 60	15.0 20.0	9.4	CL			Yellow brown															30	70			
20		60		6.8	CL																						

Water Level Data						Sample ID		Well Diagram		Summary					
Date	Time	Elapsed Time (hr.)	Depth (ft) to:			O - Open End Rod	T - Thin Wall Tube		Riser Pipe		Screen				
			Bottom of Casing	Bottom of Hole	Water							U - Undisturbed Sample	S - Splitspoon Sample	G - Geoprobe	
											Overburden (ft)	30.0			
											Rock Cored (ft)	-			
											Samples	1G			

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.
 Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HA-GEOPROBE-09 W/ PID HA-LIB09.GLB HA-TB+CORE+WELL-07-1.GDT C:\USERS\WINDESKTOP\40223-002\GEO.GPJ 1 Jun 15

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Well Diagram	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel		Sand			Field Test						
									% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength		
25		30		5.6	CL															
					SC		27.5	Yellow brown clayey SAND (SC), mps 4.75 mm, no structure, no odor, wet, oil staining at 27.5 ft				60	40							
30							30.0	BOTTOM OF EXPLORATION 30.0 FT												

H&A-GEOPROBE-09 W/ PID HA-LIB09.GLB HA-TB+CORE+WELL-07-1.GDT C:\USERS\WINDESKTOP\40223-002\GEO.GPJ 1 Jun 15

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Project Buzzard Point, Washington, DC
 Client McKissack & McKissack
 Contractor Vironex

File No. 40223-002
 Sheet No. 1 of 2
 Start 22 April 2015
 Finish 22 April 2015
 Driller C. Terry/R. Mulford
 H&A Rep. C. Tschibelu

	Casing	Sampler	Barrel	Drilling Equipment and Procedures	
Type	-	G	-	Rig Make & Model: Geoprobe	
Inside Diameter (in.)	-	-	-	Bit Type: Cutting Head	
Hammer Weight (lb)	-	-	-	Drill Mud: None	
Hammer Fall (in.)	-	-	-	Casing: Geoprobe	
				Hoist/Hammer: Automatic Hammer	
				PID Make & Model: MiniRAE 2000	

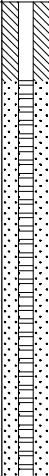
Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Well Diagram	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel		Sand			Field Test					
									% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	
0		32		6.7	SC		1.1	1.0 FT THICK OF CONCRETE											
								Yellow brown clayey SAND with gravel (SC), mps 19 mm, no structure, no odor, moist, trace oil (free product) at 4.0 ft sample	15		5	45	35						
5		G1 26	5.0 10.0	7.6	CL		5.0	Yellow and gray sandy lean CLAY with gravel (CL), mps 19 mm, no structure, no odor, moist, trace oil (free product) at 8.5 ft of sample, contains debris (red brick)	15		5	30	50						
10		54		3.7	CL			Yellow sandy lean CLAY (CL), mps < 1 mm, no structure, no odor, moist				30	70						
15		28		3.0	CL														
20		23		7.7	CL							40	60						

HA-GEOPROBE-09 W/ PID HA-LIB09.GLB HA-TB+CORE+WELL-07-1.GDT C:\USERS\WINDESKTOP\40223-002\GEO.GPJ 1 Jun 15

Water Level Data				Sample ID		Well Diagram		Summary	
Date	Time	Elapsed Time (hr.)	Depth (ft) to:			O - Open End Rod		Riser Pipe	Overburden (ft) 30.0
			Bottom of Casing	Bottom of Hole	Water	T - Thin Wall Tube		Screen	
						U - Undisturbed Sample		Filter Sand	Rock Cored (ft) -
						S - Splitspoon Sample		Cuttings	Samples 1G
						G - Geoprobe		Grout	Boring No. GTW-605- 802-2
								Concrete	
								Bentonite Seal	

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

***Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Well Diagram	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel		Sand			Field Test					
									% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	
25		51		1.2	SM		25.0	Yellow brown silty SAND (SM), mps 19 mm, no structure, no odor, wet	10		10	50	30						
30							30.0	BOTTOM OF EXPLORATION 30.0 FT											

H&A-GEOPROBE-09 W/ PID HA-LIB09.GLB HA-TB+CORE+WELL-07-1.GDT C:\USERS\WINDESKTOP\40223-002GEO.GPJ 1 Jun 15

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. GTW-605- 802-2

Project Buzzard Point, Washington, DC
 Client McKissack & McKissack
 Contractor Vironex

File No. 40223-002
 Sheet No. 1 of 2
 Start 9 April 2015
 Finish 9 April 2015
 Driller C. Terry/R. Mulford
 H&A Rep. M. King

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe Bit Type: Cutting Head
Inside Diameter (in.)	-	-	-	Drill Mud: None
Hammer Weight (lb)	-	-	-	Casing: Geoprobe
Hammer Fall (in.)	-	-	-	Hoist/Hammer: Automatic Hammer PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Well Diagram	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel		Sand			Field Test			
									% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity

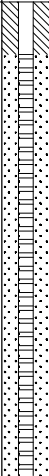
0		46		0.0 0.0	SW SW		0.5	Orange brown well graded SAND (SW), mps 0.75 in., no structure, no odor, wet Black well graded SAND with gravel (SW), mps < 1.5 in., some stratification of brown and gray layers, no odor, dry, fill	10	5	20	40	20	5				
		G1	3.0 5.0															
		24		0.0	SP		4.5	Orange brown poorly graded SAND (SP), mps 0.25 in., no structure, no odor, dry		5	20	50	20	5				
		45		0.0	ML		10.0	Gray poorly graded SILT (ML), mps 0.42 mm, slightly bonded, no odor, moist					10	90				
		60		0.0	CL		12.5	Orange CLAY (CL), mps 0.42 mm, slightly bonded, no odor, moist					10	90				
		60		0.0	CL			Wet around 20.0 ft					5	95				

Water Level Data						Sample ID		Well Diagram			Summary		
Date	Time	Elapsed Time (hr.)	Depth (ft) to:			O - Open End Rod	T - Thin Wall Tube		Riser Pipe		Screen	Overburden (ft)	30.0
			Bottom of Casing	Bottom of Hole	Water				Filter Sand		Cuttings		
						U - Undisturbed Sample			Concrete		Bentonite Seal	Samples	1G

Field Tests: Dilatancy: R - Rapid S - Slow N - None
 Toughness: L - Low M - Medium H - High
 Plasticity: N - Nonplastic L - Low M - Medium H - High
 Dry Strength: N - None L - Low M - Medium H - High V - Very High

***Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HA-GEOPROBE-09 W/ PID HA-LIB09.GLB HA-TB+CORE+WELL-07-1.GDT C:\USERS\WINDESKTOP\40223-002GEO.GPJ 1 Jun 15

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Well Diagram	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel		Sand			Field Test					
									% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	
25		60		0.0	CL		30.0												
30								BOTTOM OF EXPLORATION 30.0 FT											

H&A-GEOPROBE-09 W/ PID HA-LIB09.GLB HA-TB+CORE+WELL-07-1.GDT C:\USERS\WINDESKTOP\40223-002\GEO.GPJ 1 Jun 15

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Project Buzzard Point, Washington, DC
 Client McKissack & McKissack
 Contractor Vironex

File No. 40223-002
 Sheet No. 1 of 2
 Start 10 April 2015
 Finish 10 April 2015
 Driller C. Terry/R. Mulford
 H&A Rep. M. King

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe Bit Type: Cutting Head
Inside Diameter (in.)	-	-	-	Drill Mud: None
Hammer Weight (lb)	-	-	-	Casing: Geoprobe
Hammer Fall (in.)	-	-	-	Hoist/Hammer: Automatic Hammer PID Make & Model: MiniRAE 2000

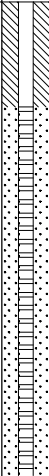
Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Well Diagram	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel		Sand			Field Test				
									% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0		25		0.0	SP		0.5	Orange poorly graded SAND (SP), mps 0.5 in., no stratification, no odor, wet	5	10	10	65	10					
				0.0	SP		1.0	White sand/broken concrete 1.0 in. thick, dry Black poorly graded SAND (SP), mps 1.0 in., some stratified layers up to 1/4 in. thick, no odor, dry, waste fill	5	5	10	70	10					
5		G1 40	5.0 8.0	0.0	SP			Layers of pieces of brick (up to 0.75 in. in size), about 1.0 in. thick at 7.5 ft and 9.5 ft bgs	5	5	15	65	10					
10		40		0.0	ML		10.0	Gray poorly graded SILT (ML), mps 0.42 mm, slightly bonded, no odor, moist					10	90				
				0.0	CL		12.5	Orange CLAY (CL), mps 0.42 mm, slightly bonded, no odor, moist						10	90			
20		12		0.0	CL									5	95			

HA-GEOPROBE-09 W/ PID HA-LIB09.GLB HA-TB+CORE+WELL-07-1.GDT C:\USERS\WINDESKTOP\40223-002\GEO.GPJ 1 Jun 15

Water Level Data						Sample ID		Well Diagram				Summary				
Date	Time	Elapsed Time (hr.)	Depth (ft) to:			O - Open End Rod	T - Thin Wall Tube		Riser Pipe	U - Undisturbed Sample		Screen	Overburden (ft)	30.0		
			Bottom of Casing	Bottom of Hole	Water				Filter Sand		S - Splitspoon Sample			Cuttings	Rock Cored (ft)	-
					G - Geoprobe		Grout		Concrete	Samples		1G				
							Bentonite Seal						Boring No. GTW-605- 802-7			

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

***Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Well Diagram	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel		Sand			Field Test					
									% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	
25		0					30.0	Wet approximately 22.0 ft No recovery 25.0 ft to 30.0 ft											
30								BOTTOM OF EXPLORATION 30.0 FT											

H&A-GEOPROBE-09 W/ PID HA-LIB09.GLB HA-TB+CORE+WELL-07-1.GDT C:\USERS\WINDESKTOP\40223-002GEO.GPJ 1 Jun 15

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Project Buzzard Point, Washington, DC
 Client McKissack & McKissack
 Contractor Vironex

File No. 40223-002
 Sheet No. 1 of 2
 Start 9 April 2015
 Finish 9 April 2015
 Driller C. Terry/R. Mulford
 H&A Rep. M. King

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe Bit Type: Cutting Head
Inside Diameter (in.)	-	-	-	Drill Mud: None
Hammer Weight (lb)	-	-	-	Casing: Geoprobe
Hammer Fall (in.)	-	-	-	Hoist/Hammer: Automatic Hammer PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Well Diagram	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel		Sand			Field Test			
									% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity

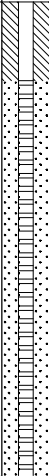
0		29						ROCK AND DEBRIS										
				11.8	SP		2.0	-CONCRETE-										
		G1	3.0 5.0				2.5	Dark brown poorly graded SAND (SP), mps 2 mm, no structure, slight petroleum odor, moist			45	50	5					
5		28		1.4	SP			Some gravel, mps 0.25 in.	5	5	45	40	5					
10		44		0.0	ML		10.0	Gray poorly graded SILT (ML), mps 0.42 mm, slightly bonded, no odor, moist					10	90				
				0.0	CL		12.5	Orange poorly graded CLAY (CL), mps 0.42 mm, well bonded, no odor, moist					5	95				
15		59																
20		48		0.0	CL													

Water Level Data						Sample ID		Well Diagram		Summary		
Date	Time	Elapsed Time (hr.)	Depth (ft) to:			O - Open End Rod	T - Thin Wall Tube	U - Undisturbed Sample	S - Splitspoon Sample	G - Geoprobe	Overburden (ft)	Rock Cored (ft)
			Bottom of Casing	Bottom of Hole	Water							
											30.0	-

Field Tests: Dilatancy: R - Rapid S - Slow N - None
 Toughness: L - Low M - Medium H - High
 Plasticity: N - Nonplastic L - Low M - Medium H - High
 Dry Strength: N - None L - Low M - Medium H - High V - Very High

***Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HA-GEOPROBE-09 W/ PID HA-LIB09.GLB HA-TB+CORE+WELL-07-1.GDT C:\USERS\WINDESKTOP\40223-002\GEO.GPJ 1 Jun 15

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Well Diagram	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel		Sand			Field Test					
									% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	
25		59		0.0	CL		30.0												
30								BOTTOM OF EXPLORATION 30.0 FT											

H&A-GEOPROBE-09 W/ PID HA-LIB09.GLB HA-TB+CORE+WELL-07-1.GDT C:\USERS\WINDESKTOP\40223-002GEO.GPJ 1 Jun 15

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. GTW-605- 802-9

Project Buzzard Point, Washington, DC
 Client McKissack & McKissack
 Contractor Vironex

File No. 40223-002
 Sheet No. 1 of 2
 Start 21 April 2015
 Finish 21 April 2015
 Driller C. Terry/R. Mulford
 H&A Rep. C. Tschibelu

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe Bit Type: Cutting Head
Inside Diameter (in.)	-	-	-	Drill Mud: None
Hammer Weight (lb)	-	-	-	Casing: Geoprobe
Hammer Fall (in.)	-	-	-	Hoist/Hammer: Automatic Hammer PID Make & Model: MiniRAE 2000
				Elevation
				Datum
				Location See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel		Sand			Field Test					
								% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	
0		22					ROCK AND DEBRIS											
		G1	1.5 5.0	49.0	ML	1.5	Gray brown sandy SILT with gravel (ML), mps 19 mm, no structure, no odor, moist	5	20	5	30	40						
5		8		0.3	CL	5.0	Gray sandy lean CLAY with gravel (CL), mps 19 mm, no structure, no odor, moist, contains oil (free product)	5	15	10	30	50						
10		50		2.2	CL	10.0	Gray lean CLAY with sand (CL), mps < 1 mm, no structure, no odor, wet, contains oil (free product)					25	75					
15		60		5.2	CL	15.0	Gray (upper 3.0 ft) and yellow brown lean CLAY with sand (CL), mps < 1 mm, no structure, no odor, moist, contains oil on the upper 3.0 ft					15	85					
20		60		3.2	CL	20.0	Yellow brown sandy lean CLAY (CL), mps < 1 mm, no structure, no odor, moist					10	90					

HA-GEOPROBE-09 W/ PID HA-LIB09.GLB HA-TB+CORE+WELL-07-1.GDT C:\USERS\WINDESKTOP\40223-002GEO.GPJ 1 Jun 15

Water Level Data				Sample ID		Well Diagram		Summary							
Date	Time	Elapsed Time (hr.)	Depth (ft) to:			O - Open End Rod	T - Thin Wall Tube	U - Undisturbed Sample	S - Splitspoon Sample	G - Geoprobe		Overburden (ft)	Rock Cored (ft)	Samples	1G
			Bottom of Casing	Bottom of Hole	Water										
												30.0	-		

Boring No. GSS-605- 802-10

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

***Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel		Sand			Field Test					
								% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	
25		42		5.6	CL				10		30	60						
		18		2.0	SC	28.5	Yellow brown clayey SAND (SC), mps 19 mm, no structure, no odor, wet	5	10		55	30						
30						30.0	BOTTOM OF EXPLORATION 30.0 FT											

H&A-GEOPROBE-09 W/ PID HA-LIB09.GLB HA-TB+CORE+WELL-07-1.GDT C:\USERS\WLN\DESKTOP\40223-002GEO.GPJ 1 Jun 15

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. GSS-605- 802-10

Project Buzzard Point, Washington, DC
 Client McKissack & McKissack
 Contractor Vironex

File No. 40223-002
 Sheet No. 1 of 1
 Start 22 April 2015
 Finish 22 April 2015
 Driller C. Terry/R. Mulford
 H&A Rep. C. Tschibelu

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe Bit Type: Cutting Head
Inside Diameter (in.)	-	-	-	Drill Mud: None
Hammer Weight (lb)	-	-	-	Casing: Geoprobe
Hammer Fall (in.)	-	-	-	Hoist/Hammer: Automatic Hammer PID Make & Model: MiniRAE 2000

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel		Sand			Field Test			
								% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity

0		18		8.5	SM	1.0	12.0 IN. THICK OF CONCRETE											
							Light gray and brown silty SAND with gravel (SM), mps 19 mm, no structure, no odor, dry	5	25	5	35	30						
5		13		3.1	GM	5.0	Tan and gray silty GRAVEL with sand (GM), mps 19 mm, no structure, no odor, moist	10	40		35	15						
10		G1 54	10.0 15.0	8.2	ML	10.0	Yellow sandy SILT (ML), mps < 1 mm, no structure, no odor, moist				35	65						
15						15.0	BOTTOM OF EXPLORATION 15.0 FT											

Water Level Data						Sample ID		Well Diagram			Summary		
Date	Time	Elapsed Time (hr.)	Depth (ft) to:			O - Open End Rod	T - Thin Wall Tube	U - Undisturbed Sample	S - Splitspoon Sample	G - Geoprobe		Overburden (ft)	Rock Cored (ft)
			Bottom of Casing	Bottom of Hole	Water								
												15.0	-

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

***Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HA-GEOPROBE-09 W/ PID HA-LIB09.GLB HA-TB+CORE+WELL-07-1.GDT C:\USERS\WINDESKTOP\40223-002\GEO.GPJ 1 Jun 15

Project Buzzard Point, Washington, DC
 Client McKissack & McKissack
 Contractor Vironex

File No. 40223-002
 Sheet No. 1 of 1
 Start 22 April 2015
 Finish 22 April 2015
 Driller C. Terry/R. Mulford
 H&A Rep. C. Tschibelu

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	-	G	-	Rig Make & Model: Geoprobe Bit Type: Cutting Head
Inside Diameter (in.)	-	-	-	Drill Mud: None
Hammer Weight (lb)	-	-	-	Casing: Geoprobe
Hammer Fall (in.)	-	-	-	Hoist/Hammer: Automatic Hammer PID Make & Model: MiniRAE 2000
				Elevation
				Datum
				Location See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	PID Readings (ppm)	USCS Symbol	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel		Sand			Field Test						
								% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength		
0		0				0.2	3.0 IN. ASPHALT												
							4.8 ft of concrete mixed with debris (ASPHALT)												
5		14		3.1	SC	4.8	Gray clayey SAND with gravel (SC), mps 19 mm, no structure, no odor, moist, contains oil staining	15		10	40	35							
10		G1 60	10.0 12.5	9.3	CL	10.0	Yellow brown sandy lean CLAY (CL), mps < 1 mm, no structure, no odor, moist					30	70						
		G2	12.5 15.0																
15						15.0	BOTTOM OF EXPLORATION 15.0 FT												

HA-GEOPROBE-09 W/ PID HA-LIB09.GLB HA-TB+CORE+WELL-07-1.GDT C:\USERS\WINDESKTOP\40223-002\GEO.GPJ 1 Jun 15

Water Level Data						Sample ID		Well Diagram		Summary		
Date	Time	Elapsed Time (hr.)	Depth (ft) to:			O - Open End Rod	T - Thin Wall Tube	U - Undisturbed Sample	S - Splitspoon Sample	G - Geoprobe		Overburden (ft) 15.0
			Bottom of Casing	Bottom of Hole	Water							
Boring No. GSS-605- 802-12												

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

***Note: Maximum particle size is determined by direct observation within the limitations of sampler size.**
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.



OBSERVATION WELL INSTALLATION REPORT

Well No.
GTW-605-802-1

Boring No.
GTW-605-802-1

Privileged and Confidential

PROJECT	Buzzard Point	H&A FILE NO.	40223-002
LOCATION	Washington, DC	PROJECT MGR.	D. Schoenwolf
CLIENT	McKissack & McKissack	FIELD REP.	C. Tschibelu
CONTRACTOR	Vironex	DATE INSTALLED	4/22/2015
DRILLER	C. Terry		

Ground El. _____ ft	Location <u>See Plan</u>	<input type="checkbox"/> Guard Pipe
El. Datum _____		<input checked="" type="checkbox"/> Roadway Box

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL		Type of protective cover/lock	Flush Mount												
See boring log	Concrete _____ 0.5 _____		Type of protective cover/lock	Flush Mount												
			Depth of roadway box below ground surface	_____ 0.0 _____ ft												
			Depth of riser pipe below ground surface	_____ 3.0 _____ in												
			Type of protective casing:	_____ Metal _____												
			Length	_____ 6.0 _____ in												
			Inside Diameter	_____ 5.0 _____ in												
			Depth of bottom of roadway box	_____ 6.0 _____ in												
			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Type of Seals</th> <th style="text-align: left;">Top of Seal (ft)</th> <th style="text-align: left;">Thickness (ft)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Concrete</td> <td style="text-align: center;">_____ 0.0 _____</td> <td style="text-align: center;">_____ 0.5 _____</td> </tr> <tr> <td style="text-align: center;">Bentonite</td> <td style="text-align: center;">_____ 0.5 _____</td> <td style="text-align: center;">_____ 21.0 _____</td> </tr> <tr> <td style="text-align: center;">Sand</td> <td style="text-align: center;">_____ 21.5 _____</td> <td style="text-align: center;">_____ 8.5 _____</td> </tr> </tbody> </table>	Type of Seals	Top of Seal (ft)	Thickness (ft)	Concrete	_____ 0.0 _____	_____ 0.5 _____	Bentonite	_____ 0.5 _____	_____ 21.0 _____	Sand	_____ 21.5 _____	_____ 8.5 _____	
	Type of Seals		Top of Seal (ft)	Thickness (ft)												
	Concrete		_____ 0.0 _____	_____ 0.5 _____												
Bentonite	_____ 0.5 _____	_____ 21.0 _____														
Sand	_____ 21.5 _____	_____ 8.5 _____														
	Type of riser pipe:	_____ Solid PVC _____														
	Inside diameter of riser pipe	_____ 1.0 _____ in														
	Type of backfill around riser	_____ Sand, Bentonite, Concrete _____														
	Diameter of borehole	_____ 3.0 _____ in														
	Depth to top of well screen	_____ 23.5 _____ ft														
	Type of screen	_____ PVC _____														
	Screen gauge or size of openings	_____ 0.010 _____ in														
	Diameter of screen	_____ 1.0 _____ in														
	Type of backfill around screen	_____ #2 Filter Sand _____														
	Depth of bottom of well screen	_____ 28.5 _____ ft														
	Bottom of Silt trap	_____ 1.5 _____ ft														
	Depth of bottom of borehole	_____ 30.0 _____ ft														
30	30															

(Bottom of Exploration)
(Numbers refer to depth from ground surface in feet)

(Not to Scale)

$$\begin{array}{r}
 \underline{23.5} \text{ ft} + \underline{5} \text{ ft} + \underline{1.5} \text{ ft} = \underline{30} \text{ ft} \\
 \text{Riser Pay Length (L1)} \quad \text{Length of screen (L2)} \quad \text{Length of silt trap (L3)} \quad \text{Pay length}
 \end{array}$$

COMMENTS: _____



OBSERVATION WELL INSTALLATION REPORT

Well No.
GTW-605-802-2

Privileged and Confidential

Boring No.
GTW-605-802-2

PROJECT	Buzzard Point	H&A FILE NO.	40223-002
LOCATION	Washington, DC	PROJECT MGR.	D. Schoenwolf
CLIENT	McKissack & McKissack	FIELD REP.	C. Tschibelu
CONTRACTOR	Vironex	DATE INSTALLED	4/22/2015
DRILLER	C. Terry		

Ground El. _____ ft	Location <u>See Plan</u>	<input type="checkbox"/> Guard Pipe
El. Datum _____		<input checked="" type="checkbox"/> Roadway Box

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL	Type of protective cover/lock	Flush Mount	
See boring log	Concrete _____ 0.5 _____	Depth of roadway box below ground surface	_____ 0.0 _____ ft	
	Bentonite	Depth of riser pipe below ground surface	_____ 3.0 _____ in	
		Type of protective casing:	_____ Metal _____	
		Length	_____ 6.0 _____ in	
		Inside Diameter	_____ 5.0 _____ in	
	Sand	Depth of bottom of roadway box	_____ 6.0 _____ in	
		<u>Type of Seals</u>	<u>Top of Seal (ft)</u>	<u>Thickness (ft)</u>
		Concrete	_____ 0.0 _____	_____ 0.5 _____
		Bentonite	_____ 0.5 _____	_____ 22.0 _____
		Sand	_____ 22.5 _____	_____ 7.5 _____
	Type of riser pipe:	_____ Solid PVC _____		
	Inside diameter of riser pipe	_____ 1.0 _____ in		
	Type of backfill around riser	_____ Sand, Bentonite, Concrete _____		
	Diameter of borehole	_____ 3.0 _____ in		
	Depth to top of well screen	_____ 24.5 _____ ft		
	Type of screen	_____ PVC _____		
	Screen gauge or size of openings	_____ 0.010 _____ in		
	Diameter of screen	_____ 1.0 _____ in		
	Type of backfill around screen	_____ #2 Filter Sand _____		
	Depth of bottom of well screen	_____ 29.5 _____ ft		
	Bottom of Silt trap	_____ 0.5 _____ ft		
	Depth of bottom of borehole	_____ 30.0 _____ ft		

30 (Bottom of Exploration)
(Numbers refer to depth from ground surface in feet)

(Not to Scale)

$$\frac{24.5}{\text{Riser Pay Length (L1)}} \text{ ft} + \frac{5}{\text{Length of screen (L2)}} \text{ ft} + \frac{0.5}{\text{Length of silt trap (L3)}} \text{ ft} = \frac{30}{\text{Pay length}} \text{ ft}$$

COMMENTS: _____



OBSERVATION WELL INSTALLATION REPORT

Well No.
GTW-605-802-6

Privileged and Confidential

Boring No.
GTW-605-802-6

PROJECT	Buzzard Point	H&A FILE NO.	40223-002
LOCATION	Washington, DC	PROJECT MGR.	D. Schoenwolf
CLIENT	McKissack & McKissack	FIELD REP.	M. King
CONTRACTOR	Vironex	DATE INSTALLED	4/9/2015
DRILLER	E.Hannah		

Ground El. _____ ft	Location <u>See Plan</u>	<input type="checkbox"/> Guard Pipe
El. Datum _____		<input checked="" type="checkbox"/> Roadway Box

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL	Type of protective cover/lock	Flush Mount													
See boring log	Concrete _____ 0.5 _____	Depth of roadway box below ground surface	_____ 0.0 _____ ft													
	Bentonite	Depth of riser pipe below ground surface	_____ 3.0 _____ in													
		Type of protective casing: _____ Metal _____														
		Length _____ 6.0 _____ in														
		Inside Diameter _____ 5.0 _____ in														
	Sand	Depth of bottom of roadway box	_____ 6.0 _____ in													
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"><u>Type of Seals</u></th> <th style="width: 30%;"><u>Top of Seal (ft)</u></th> <th style="width: 40%;"><u>Thickness (ft)</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Concrete</td> <td style="text-align: center;">_____ 0.0 _____</td> <td style="text-align: center;">_____ 0.5 _____</td> </tr> <tr> <td style="text-align: center;">Bentonite</td> <td style="text-align: center;">_____ 0.5 _____</td> <td style="text-align: center;">_____ 22.0 _____</td> </tr> <tr> <td style="text-align: center;">Sand</td> <td style="text-align: center;">_____ 22.5 _____</td> <td style="text-align: center;">_____ 7.5 _____</td> </tr> </tbody> </table>			<u>Type of Seals</u>	<u>Top of Seal (ft)</u>	<u>Thickness (ft)</u>	Concrete	_____ 0.0 _____	_____ 0.5 _____	Bentonite	_____ 0.5 _____	_____ 22.0 _____	Sand	_____ 22.5 _____	_____ 7.5 _____
		<u>Type of Seals</u>	<u>Top of Seal (ft)</u>	<u>Thickness (ft)</u>												
		Concrete	_____ 0.0 _____	_____ 0.5 _____												
		Bentonite	_____ 0.5 _____	_____ 22.0 _____												
Sand	_____ 22.5 _____	_____ 7.5 _____														
Type of riser pipe: _____ Solid PVC _____																
Inside diameter of riser pipe _____ 1.0 _____ in																
Type of backfill around riser _____ Sand, Bentonite, Concrete _____																
Diameter of borehole _____ 3.0 _____ in																
Depth to top of well screen _____ 24.5 _____ ft																
Type of screen _____ PVC _____																
Screen gauge or size of openings _____ 0.010 _____ in																
Diameter of screen _____ 1.0 _____ in																
Type of backfill around screen _____ #2 Filter Sand _____																
Depth of bottom of well screen _____ 29.5 _____ ft																
Bottom of Silt trap _____ 0.5 _____ ft																
Depth of bottom of borehole _____ 30.0 _____ ft																
30 _____ 30 _____																

(Bottom of Exploration) (Numbers refer to depth from ground surface in feet) (Not to Scale)

$$\begin{array}{r}
 24.5 \text{ ft} + 5 \text{ ft} + 0.5 \text{ ft} = 30 \text{ ft} \\
 \text{Riser Pay Length (L1)} \quad \text{Length of screen (L2)} \quad \text{Length of silt trap (L3)} \quad \text{Pay length}
 \end{array}$$

COMMENTS: _____



OBSERVATION WELL INSTALLATION REPORT

Well No.
GTW-605-802-6

Privileged and Confidential

Boring No.
GTW-605-802-6

PROJECT	Buzzard Point	H&A FILE NO.	40223-002
LOCATION	Washington, DC	PROJECT MGR.	D. Schoenwolf
CLIENT	McKissack & McKissack	FIELD REP.	M. King
CONTRACTOR	Vironex	DATE INSTALLED	4/9/2015
DRILLER	E.Hannah		

Ground El. _____ ft	Location <u>See Plan</u>	<input type="checkbox"/> Guard Pipe
El. Datum _____		<input checked="" type="checkbox"/> Roadway Box

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL	Type of protective cover/lock	Flush Mount													
See boring log	Concrete _____ 0.5 _____	Depth of roadway box below ground surface	_____ 0.0 _____ ft													
	Bentonite	Depth of riser pipe below ground surface	_____ 3.0 _____ in													
		Type of protective casing: _____ Metal _____														
		Length _____ 6.0 _____ in														
		Inside Diameter _____ 5.0 _____ in														
	Sand	Depth of bottom of roadway box	_____ 6.0 _____ in													
		<table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">Type of Seals</th> <th style="text-align: left;">Top of Seal (ft)</th> <th style="text-align: left;">Thickness (ft)</th> </tr> </thead> <tbody> <tr> <td>Concrete</td> <td style="text-align: center;">_____ 0.0 _____</td> <td style="text-align: center;">_____ 0.5 _____</td> </tr> <tr> <td>Bentonite</td> <td style="text-align: center;">_____ 0.5 _____</td> <td style="text-align: center;">_____ 22.0 _____</td> </tr> <tr> <td>Sand</td> <td style="text-align: center;">_____ 22.5 _____</td> <td style="text-align: center;">_____ 7.5 _____</td> </tr> </tbody> </table>			Type of Seals	Top of Seal (ft)	Thickness (ft)	Concrete	_____ 0.0 _____	_____ 0.5 _____	Bentonite	_____ 0.5 _____	_____ 22.0 _____	Sand	_____ 22.5 _____	_____ 7.5 _____
		Type of Seals	Top of Seal (ft)	Thickness (ft)												
		Concrete	_____ 0.0 _____	_____ 0.5 _____												
		Bentonite	_____ 0.5 _____	_____ 22.0 _____												
Sand	_____ 22.5 _____	_____ 7.5 _____														
Type of riser pipe: _____ Solid PVC _____																
Inside diameter of riser pipe _____ 1.0 _____ in																
Type of backfill around riser _____ Sand, Bentonite, Concrete _____																
Diameter of borehole _____ 3.0 _____ in																
Depth to top of well screen _____ 24.5 _____ ft																
Type of screen _____ PVC _____																
Screen gauge or size of openings _____ 0.010 _____ in																
Diameter of screen _____ 1.0 _____ in																
Type of backfill around screen _____ #2 Filter Sand _____																
Depth of bottom of well screen _____ 29.5 _____ ft																
Bottom of Silt trap _____ 0.5 _____ ft																
Depth of bottom of borehole _____ 30.0 _____ ft																
30 _____ 30 _____																

(Bottom of Exploration) (Numbers refer to depth from ground surface in feet) (Not to Scale)

$$\begin{array}{r}
 24.5 \text{ ft} + 5 \text{ ft} + 0.5 \text{ ft} = 30 \text{ ft} \\
 \text{Riser Pay Length (L1)} \quad \text{Length of screen (L2)} \quad \text{Length of silt trap (L3)} \quad \text{Pay length}
 \end{array}$$

COMMENTS: _____



OBSERVATION WELL INSTALLATION REPORT

Well No.
GTW-605-802-7

Privileged and Confidential

Boring No.
GTW-605-802-7

PROJECT	Buzzard Point	H&A FILE NO.	40223-002
LOCATION	Washington, DC	PROJECT MGR.	D. Schoenwolf
CLIENT	McKissack & McKissack	FIELD REP.	M. King
CONTRACTOR	Vironex	DATE INSTALLED	4/10/2015
DRILLER	E.Hannah		

Ground El. _____ ft	Location <u>See Plan</u>	<input type="checkbox"/> Guard Pipe
El. Datum _____		<input checked="" type="checkbox"/> Roadway Box

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL													
See boring log	Concrete _____ 0.5 _____	Type of protective cover/lock _____ Flush Mount Depth of roadway box below ground surface _____ 0.0 ft Depth of riser pipe below ground surface _____ 3.0 in Type of protective casing: _____ Metal Length _____ 6.0 in Inside Diameter _____ 5.0 in Depth of bottom of roadway box _____ 6.0 in												
	Bentonite	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Type of Seals</th> <th style="text-align: left;">Top of Seal (ft)</th> <th style="text-align: left;">Thickness (ft)</th> </tr> </thead> <tbody> <tr> <td>Concrete</td> <td>0.0</td> <td>0.5</td> </tr> <tr> <td>Bentonite</td> <td>0.5</td> <td>22.5</td> </tr> <tr> <td>Sand</td> <td>23.0</td> <td>7.0</td> </tr> </tbody> </table>	Type of Seals	Top of Seal (ft)	Thickness (ft)	Concrete	0.0	0.5	Bentonite	0.5	22.5	Sand	23.0	7.0
	Type of Seals	Top of Seal (ft)	Thickness (ft)											
	Concrete	0.0	0.5											
	Bentonite	0.5	22.5											
	Sand	23.0	7.0											
	Sand	Type of riser pipe: _____ Solid PVC Inside diameter of riser pipe _____ 1.0 in Type of backfill around riser _____ Sand, Bentonite, Concrete Diameter of borehole _____ 3.0 in Depth to top of well screen _____ 25.0 ft Type of screen _____ PVC Screen gauge or size of openings _____ 0.010 in Diameter of screen _____ 1.0 in Type of backfill around screen _____ #2 Filter Sand Depth of bottom of well screen _____ 30.0 ft Bottom of Silt trap _____ 0.0 ft Depth of bottom of borehole _____ 30.0 ft												
	30	30	(Bottom of Exploration) (Numbers refer to depth from ground surface in feet)											
			(Not to Scale)											

$$\begin{array}{r}
 25 \text{ ft} + 5 \text{ ft} + 0 \text{ ft} = 30 \text{ ft} \\
 \text{Riser Pay Length (L1)} \quad \text{Length of screen (L2)} \quad \text{Length of silt trap (L3)} \quad \text{Pay length}
 \end{array}$$

COMMENTS: _____



OBSERVATION WELL INSTALLATION REPORT

Well No.
GTW-605-802-9

Privileged and Confidential

Boring No.
GTW-605-802-9

PROJECT	Buzzard Point	H&A FILE NO.	40223-002
LOCATION	Washington, DC	PROJECT MGR.	D. Schoenwolf
CLIENT	McKissack & McKissack	FIELD REP.	M. King
CONTRACTOR	Vironex	DATE INSTALLED	4/9/2015
DRILLER	E.Hannah		

Ground El. _____ ft	Location <u>See Plan</u>	<input type="checkbox"/> Guard Pipe
El. Datum _____		<input checked="" type="checkbox"/> Roadway Box

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL	Type of protective cover/lock	Flush Mount													
See boring log	Concrete _____ 0.5 _____	Depth of roadway box below ground surface	_____ 0.0 _____ ft													
	Bentonite	Depth of riser pipe below ground surface	_____ 3.0 _____ in													
		Type of protective casing: _____ Metal _____														
		Length _____ 6.0 _____ in														
		Inside Diameter _____ 5.0 _____ in														
	Sand	Depth of bottom of roadway box	_____ 6.0 _____ in													
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"><u>Type of Seals</u></th> <th style="width: 30%;"><u>Top of Seal (ft)</u></th> <th style="width: 40%;"><u>Thickness (ft)</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Concrete</td> <td style="text-align: center;">_____ 0.0 _____</td> <td style="text-align: center;">_____ 0.5 _____</td> </tr> <tr> <td style="text-align: center;">Bentonite</td> <td style="text-align: center;">_____ 0.5 _____</td> <td style="text-align: center;">_____ 22.0 _____</td> </tr> <tr> <td style="text-align: center;">Sand</td> <td style="text-align: center;">_____ 22.5 _____</td> <td style="text-align: center;">_____ 7.5 _____</td> </tr> </tbody> </table>			<u>Type of Seals</u>	<u>Top of Seal (ft)</u>	<u>Thickness (ft)</u>	Concrete	_____ 0.0 _____	_____ 0.5 _____	Bentonite	_____ 0.5 _____	_____ 22.0 _____	Sand	_____ 22.5 _____	_____ 7.5 _____
		<u>Type of Seals</u>	<u>Top of Seal (ft)</u>	<u>Thickness (ft)</u>												
		Concrete	_____ 0.0 _____	_____ 0.5 _____												
		Bentonite	_____ 0.5 _____	_____ 22.0 _____												
Sand	_____ 22.5 _____	_____ 7.5 _____														
Type of riser pipe: _____ Solid PVC _____																
Inside diameter of riser pipe _____ 1.0 _____ in																
Type of backfill around riser _____ Sand, Bentonite, Concrete _____																
Diameter of borehole _____ 3.0 _____ in																
Depth to top of well screen	_____ 24.5 _____ ft															
Type of screen _____ PVC _____																
Screen gauge or size of openings _____ 0.010 _____ in																
Diameter of screen _____ 1.0 _____ in																
Type of backfill around screen _____ #2 Filter Sand _____																
Depth of bottom of well screen	_____ 29.5 _____ ft															
Bottom of Silt trap	_____ 0.5 _____ ft															
Depth of bottom of borehole	_____ 30.0 _____ ft															

L1

↑

L2

↑

L3

↑

(Bottom of Exploration) (Numbers refer to depth from ground surface in feet) (Not to Scale)

24.5	ft	+	5	ft	+	0.5	ft	=	30	ft
Riser Pay Length (L1)			Length of screen (L2)			Length of silt trap (L3)			Pay length	

COMMENTS: _____

APPENDIX G

**Sampling Forms
(on CD)**

LOW FLOW SAMPLING FORM

PROJECT Buzzard Point
 LOCATION Washington, DC
 CLIENT McKissack & McKissack
 CONTRACTOR C. TERRY /Vironex

H&A FILE NO. 40223-002
 PROJECT MGR. D. SCHOENWOLF
 FIELD REP C. TSCHIBELW
 DATE 04/27/2015

Sampling Data:

Well ID: GTW-605-802-1 Well Depth: 28.5 ft Initial Depth To Water: 20 - 90 ft Purging Device: Peristaltic
 Start time: 11:00 Depth To Top Of Screen: 23.5 ft Depth Of Pump Intake: 28.00 ft Tubing Present In Well: Yes No
 Finish Time: 11:50 Depth To Bottom Of Screen: 28.5 ft Measuring Point: -- Tubing Type: Teflon-Poly

Time (24 hour)	Depth To Water From Casing (ft)	Pump Setting (mL/min) or (gal/min)	Purge Rate (mL/min) or (gal/min)	Cumulative Purge Vol. (liters) or (gal)	Temperature (°F) or (°C)	pH	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP/eH (mV)	Comments
Stabilized within →		<500 mL/min	--	--	N/A	[+/- 0.1]	[+/- 3%]	[+/- 10%]	< 10 NTU	[+/- 10%]	
11:00											WELL DEVELOPED ON 04/23 NO D.O. DISPLAY
11:05	23.70	100 mL/min	100 mL/min		23.04	5.10	0.318	0.00	26.24	181	
11:10	25.10	75 mL/min	75 mL/min		22.89	5.07	0.318	0.00	23.26	183	
11:15	25.60				22.6A	5.08	0.316	6.00	23.45	184	Early Sample collection due to slow recovery
11:20											COLLECTING SAMPLE
11:25											
11:30											one liter bailed out



LOW FLOW SAMPLING FORM

Gtw-605-802-2

Page 1 of 3

PROJECT Buzzard Point
 LOCATION Washington, DC
 CLIENT McKissack & McKissack
 CONTRACTOR C. TERRY /Vironex

H&A FILE NO. 40223-002
 PROJECT MGR. D. SCHÖENWOLF
 FIELD REP C. TSCHIBELU
 DATE 04/27/2015

Sampling Data:

Well ID: Gtw-605-802-2 Well Depth: 29.5 ft Initial Depth To Water: 20 - 75 ft Purging Device: Peristaltic
 Start time: 12:05 Depth To Top Of Screen: 24.5 ft Depth Of Pump Intake: 29.00 ft Tubing Present In Well: Yes No
 Finish Time: _____ Depth To Bottom Of Screen: 29.5 ft Measuring Point: -- Tubing Type: Teflon-Poly

Time (24 hour)	Depth To Water From Casing (ft)	Pump Setting (mL/min) or (gal/min)	Purge Rate (mL/min) or (gal/min)	Cumulative Purge Vol. (liters) or (gal)	Temp-erature (°F) or (°C)	pH	Conduct-ivity (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP/eH (mV)	Comments
Stabilized within →		[<500 mL/min]	--	--	N/A	[+/- 0.1]	[+/- 3%]	[+/- 10%]	< 10 NTU	[+/- 10%]	
12:05		ml/min									NO TURBIDITY DISPLAY
12:10	21.07	↓	100 ml/min		23.31	6.71	0.623	3.81	0.0	-90	
12:15	20.97	↓	100 ml/min		22.64	6.67	0.384	1.00	861	-90	Slowed pump down
12:20	21.03	↓	100 ml/min		21.88	6.56	0.813	0.00	836	-82	Slowed pump down. NO D.O. DISPLAY
12:25	21.00	↓	100 ml/min		21.60	6.46	1.04	0.00	604	-76	
12:30	21.00	↓	100 ml/min		22.27	6.40	1.33	0.00	522	-75	
12:35	21.00	↓	100 ml/min		21.57	6.38	1.30	0.00	440	-76	
12:40	21.00	↓	100 ml/min		21.44	6.29	1.27	0.00	409	-77	
12:45	21.00	↓	100 ml/min		21.09	6.27	1.05	0.00	381	-77	
12:50	21.00	↓	100 ml/min		21.10	6.26	1.04	0.00	377	-78	
12:55	21.00		100 ml/min		20.97	6.26	1.04	0.00	378	-79	CLEAR
											COLLECTING SAMPLE @ 12:56
											5 Liters



LOW FLOW SAMPLING FORM

GTW-605-802-E

Page 1 of 3

PROJECT Buzzard Point
 LOCATION Washington, DC
 CLIENT McKissack & McKissack
 CONTRACTOR C. TERRY /Vironex

H&A FILE NO. 40223-002
 PROJECT MGR. D. SCHÖENWOLF
 FIELD REP C. T. SCHIBEL
 DATE 04/27/2015

Sampling Data:

Well ID: GTW-605-802-6 Well Depth: 30.0 ft Initial Depth To Water: 22 - 33 ft Purging Device: Peristaltic
 Start time: 15:30 Depth To Top Of Screen: 25.00 ft Depth Of Pump Intake: 28.50 ft Tubing Present In Well: Yes No
 Finish Time: 16:02 Depth To Bottom Of Screen: 30.00 ft Measuring Point: -- Tubing Type: Teflon-Poly

Time (24 hour)	Depth To Water From Casing (ft)	Pump Setting (mL/min) or (gal/min)	Purge Rate (mL/min) or (gal/min)	Cumulative Purge Vol. (liters) or (gal)	Temperature (°F) or (°C)	pH	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP/eH (mV)	Comments
Stabilized within →		<500 mL/min	--	--	N/A	[+/- 0.1]	[+/- 3%]	[+/- 10%]	< 10 NTU	[+/- 10%]	
16:30											NO D.O. DISPLAY
15:35											
15:40	24.15	ml/min	75 ml/min		22.7	6.33	2.62	0.00	78.2	-88	
15:45	25.65	ml/min	75 ml/min		21.82	6.18	2.41	0.00	77.1	-85	
15:50											well drying up / slow recharge
											Collected only METALS & TPH DRO
											.5 Liters bailed out



LOW FLOW SAMPLING FORM

GTW-605-802-7

Page 1 of 3

PROJECT Buzzard Point
 LOCATION Washington, DC
 CLIENT McKissack & McKissack
 CONTRACTOR C. TERRY /Vironex

H&A FILE NO. 40223-002
 PROJECT MGR. D. SCHOENWOLF
 FIELD REP C. TSCHIBELU
 DATE 04/27/2015

Sampling Data:

Well ID: GTW-605-802-7 Well Depth: 29.80 ft Initial Depth To Water: 12 - 45 ft Purging Device: Peristaltic
 Start time: 16:15 Depth To Top Of Screen: 24.80 ft Depth Of Pump Intake: 29.00 ft Tubing Present In Well: Yes No
 Finish Time: 17:21 Depth To Bottom Of Screen: 29.80 ft Measuring Point: - Tubing Type: Teflon-Poly

Time (24 hour)	Depth To Water From Casing (ft)	Pump Setting (mL/min) or (gal/min)	Purge Rate (mL/min) or (gal/min)	Cumulative Purge Vol. (liters) or (gal)	Temperature (°F) or (°C)	pH [+/- 0.1]	Conductivity (µS/cm) [+/- 3%]	Dissolved Oxygen (mg/L) [+/- 10%]	Turbidity (NTU) < 10 NTU	ORP/eH (mV) [+/- 10%]	Comments
Stabilized within	→	<500 mL/min	--	--	N/A	[+/- 0.1]	[+/- 3%]	[+/- 10%]	< 10 NTU	[+/- 10%]	
16:15											NO - D.O. DISPLAY
16:20											
16:25	13.10	ml/min	75 ml/min		22.01	6.53	1.15	0.00	Low 441	-82	
16:30	14.30		75 ml/min		22.07	6.47	1.22	0.00	Low 417	-81	
16:35	15.83		75 ml/min		21.74	6.42	1.20	0.00	380	-79	
16:40	17.32		75 ml/min		21.45	6.40	1.23	0.00	374	-77	
16:45	18.95		75 ml/min		21.07	6.35	1.21	0.00	376	-77	
16:50	20.25		75 ml/min		21.15	6.31	1.17	0.00	377	-76	
16:55				Collected samples @ 16:52							
				Approx 2.25	Liters bailed out						



LOW FLOW SAMPLING FORM

PROJECT Buzzard Point
LOCATION Washington, DC
CLIENT McKissack & McKissack
CONTRACTOR /Vironex

H&A FILE NO. 40223-002
PROJECT MGR.
FIELD REP
DATE

Sampling Data:

Well ID: GTW-005-7 Well Depth: 28.80 ft Initial Depth To Water: 23.75 ft Purging Device: Peristaltic
Start time: 10:50 Depth To Top Of Screen: 23.80 ft Depth Of Pump Intake: 26.3 ft Tubing Present In Well: Yes No
Finish Time: _____ Depth To Bottom Of Screen: 28.80 ft Measuring Point: -- Tubing Type: Teflon-Poly

Time min (24 hour)	Depth To Water From Casing (ft)	Pump Setting (mL/min) or (gal/min)	Purge Rate (mL/min) or (gal/min)	Cumulative Purge Vol. (liters) or (gal)	Temp- erature (°F) or (°C)	pH	Conduct- ivity (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP/eH (mV)	Comments
Stabilized within →		[<500 mL/min]	--	--	N/A	[+/- 0.1]	[+/- 3%]	[+/- 10%]	< 10 NTU	[+/- 10%]	
	<u>74.95</u>		<u>100</u>								bas pump will run
<u>6</u>	<u>25.30</u>										dry
<u>12:40</u>											Sample collected only 4 70mL vials before dry

LOW FLOW SAMPLING FORM

PROJECT Buzzard Point
 LOCATION Washington, DC
 CLIENT McKissack & McKissack
 CONTRACTOR /Vironex

H&A FILE NO. 40223-002
 PROJECT MGR. _____
 FIELD REP _____
 DATE _____

Sampling Data:

Well ID: GTW- -9 Well Depth: 29.19 ft Initial Depth To Water: 22.42 ft Purging Device: Peristaltic
 Start time: 1140 Depth To Top Of Screen: 24.5 ft Depth Of Pump Intake: 27.0 ft Tubing Present In Well: Yes No
 Finish Time: _____ Depth To Bottom Of Screen: 29.5 ft Measuring Point: - Tubing Type: Teflon-Poly

Time (24 hour)	Depth To Water From Casing (ft)	Pump Setting (mL/min) or (gal/min)	Purge Rate (mL/min) or (gal/min)	Cumulative Purge Vol. (liters) or (gal)	Temperature (°F) or (°C)	pH	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP/eH (mV)	Comments
Stabilized within →		<500 mL/min	--	--	N/A	[+/- 0.1]	[+/- 3%]	[+/- 10%]	<10 NTU	[+/- 10%]	
3	24.01		100								lowest pump would run
10	26.30		100		14.44	6.38	4.14	20.5	333	3	
12	26.71		1		14.74	6.42	4.17	9.3	701	-7	tubing lowered
14	27.22			~1L	14.73	6.46	4.09	3.1	927	-18	
16	27.35				14.84	6.46	4.05	1.7	979	-23	
18	27.56				14.90	6.46	3.97	0.0	0.0	-28	NTU/ DO/ORP not working
20	27.72				14.91	6.46	3.85	0.0	0.0	-35	
22	27.88			~2L	14.95	6.46	3.68	0	0	-41	
24	28.08				15.40	6.41	3.44	0	0	-40	
26					15.44	6.44	3.44	-	-	-46	
1255	21.19										sample collected

APPENDIX H

**Laboratory Analytical Reports
(on CD)**

May 27, 2015

Dana Kennard
Haley & Aldrich, Inc

RE: Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245059

Dear Dana Kennard:

Enclosed are the analytical results for sample(s) received by the laboratory on April 10, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

This report was revised to report down to the MDL for all parameters.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Nicole Benjamin
nicole.benjamin@pacelabs.com
Project Manager

Enclosures

cc: Karin Holland
Pam Minor



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

Charlotte Certification IDs

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

Asheville Certification IDs

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92245059001	GTW-605-802-9-1	Solid	04/09/15 09:00	04/10/15 10:00
92245059002	GTW-605-802-6-1	Solid	04/09/15 13:15	04/10/15 10:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92245059001	GTW-605-802-9-1	EPA 8015 Modified	CMI	2	PASI-C
		EPA 8015 Modified	CMI	2	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8015 Modified	BFW	2	PASI-C
		EPA 6010	JMW	22	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	RES	21	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	EJK	1	PASI-C
92245059002	GTW-605-802-6-1	EPA 8015 Modified	CMI	2	PASI-C
		EPA 8015 Modified	CMI	2	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8015 Modified	BFW	2	PASI-C
		EPA 6010	JMW	22	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	RES	21	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	EJK	1	PASI-C

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92245059001	GTW-605-802-9-1					
EPA 8015 Modified	Diesel Range Organics(C10-C28)	3260	mg/kg	116	04/19/15 22:48	
EPA 8015 Modified	Oil Range Organics (C28-C40)	6590	mg/kg	348	04/19/15 18:49	
EPA 8082	PCB-1242 (Aroclor 1242)	2280	ug/kg	383	04/17/15 00:50	
EPA 8082	PCB-1260 (Aroclor 1260)	2010	ug/kg	383	04/17/15 00:50	
EPA 6010	Aluminum	4860	mg/kg	10.7	04/20/15 14:03	M1
EPA 6010	Antimony	3.2	mg/kg	0.54	04/20/15 14:03	M1
EPA 6010	Arsenic	14.8	mg/kg	1.1	04/20/15 14:03	
EPA 6010	Barium	246	mg/kg	0.54	04/20/15 14:03	M1
EPA 6010	Beryllium	0.37	mg/kg	0.11	04/20/15 14:03	
EPA 6010	Cadmium	2.1	mg/kg	0.11	04/20/15 14:03	
EPA 6010	Calcium	9020	mg/kg	10.7	04/20/15 14:03	M1
EPA 6010	Chromium	19.4	mg/kg	0.54	04/20/15 14:03	M1
EPA 6010	Cobalt	5.8	mg/kg	0.54	04/20/15 14:03	
EPA 6010	Copper	104	mg/kg	0.54	04/20/15 14:03	
EPA 6010	Iron	24100	mg/kg	215	04/20/15 14:18	M6
EPA 6010	Lead	475	mg/kg	0.54	04/20/15 14:03	M1
EPA 6010	Magnesium	1500	mg/kg	10.7	04/20/15 14:03	M1
EPA 6010	Manganese	297	mg/kg	0.54	04/20/15 14:03	M1
EPA 6010	Nickel	15.3	mg/kg	0.54	04/20/15 14:03	
EPA 6010	Potassium	790	mg/kg	537	04/20/15 14:03	
EPA 6010	Silver	0.87	mg/kg	0.54	04/20/15 14:03	
EPA 6010	Sodium	399J	mg/kg	537	04/20/15 14:03	
EPA 6010	Vanadium	21.1	mg/kg	0.54	04/20/15 14:03	
EPA 6010	Zinc	371	mg/kg	1.1	04/20/15 14:03	M1
EPA 7471	Mercury	0.19	mg/kg	0.045	04/17/15 13:00	M6
EPA 8270	Fluoranthene	5560J	ug/kg	19100	04/17/15 00:49	
EPA 8270	Phenanthrene	4190J	ug/kg	19100	04/17/15 00:49	
EPA 8270	Pyrene	4900J	ug/kg	19100	04/17/15 00:49	L2
EPA 8260	2-Butanone (MEK)	444J	ug/kg	2830	04/14/15 00:02	
EPA 8260	n-Butylbenzene	169	ug/kg	141	04/14/15 00:02	
EPA 8260	sec-Butylbenzene	75.0J	ug/kg	141	04/14/15 00:02	
EPA 8260	Ethylbenzene	114J	ug/kg	141	04/14/15 00:02	
EPA 8260	Isopropylbenzene (Cumene)	64.2J	ug/kg	141	04/14/15 00:02	
EPA 8260	p-Isopropyltoluene	270	ug/kg	141	04/14/15 00:02	
EPA 8260	Naphthalene	730	ug/kg	141	04/14/15 00:02	
EPA 8260	n-Propylbenzene	125J	ug/kg	141	04/14/15 00:02	
EPA 8260	Toluene	118J	ug/kg	141	04/14/15 00:02	
EPA 8260	Trichlorofluoromethane	119J	ug/kg	141	04/14/15 00:02	
EPA 8260	1,2,4-Trimethylbenzene	1980	ug/kg	141	04/14/15 00:02	
EPA 8260	1,3,5-Trimethylbenzene	847	ug/kg	141	04/14/15 00:02	
EPA 8260	Xylene (Total)	657	ug/kg	283	04/14/15 00:02	
EPA 8260	m&p-Xylene	328	ug/kg	283	04/14/15 00:02	
EPA 8260	o-Xylene	329	ug/kg	141	04/14/15 00:02	
ASTM D2974-87	Percent Moisture	13.8	%	0.10	04/14/15 17:15	
92245059002	GTW-605-802-6-1					
EPA 8015 Modified	Diesel Range Organics(C10-C28)	124	mg/kg	6.0	04/18/15 06:34	
EPA 8015 Modified	Oil Range Organics (C28-C40)	344	mg/kg	18.1	04/16/15 23:01	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92245059002	GTW-605-802-6-1					
EPA 6010	Aluminum	3030	mg/kg	11.0	04/20/15 14:12	
EPA 6010	Antimony	1.1	mg/kg	0.55	04/20/15 14:12	
EPA 6010	Arsenic	12.7	mg/kg	1.1	04/20/15 14:12	
EPA 6010	Barium	106	mg/kg	0.55	04/20/15 14:12	
EPA 6010	Beryllium	0.42	mg/kg	0.11	04/20/15 14:12	
EPA 6010	Cadmium	0.18	mg/kg	0.11	04/20/15 14:12	
EPA 6010	Calcium	4670	mg/kg	11.0	04/20/15 14:12	
EPA 6010	Chromium	6.0	mg/kg	0.55	04/20/15 14:12	
EPA 6010	Cobalt	3.3	mg/kg	0.55	04/20/15 14:12	
EPA 6010	Copper	55.3	mg/kg	0.55	04/20/15 14:12	
EPA 6010	Iron	7130	mg/kg	11.0	04/20/15 14:12	
EPA 6010	Lead	302	mg/kg	0.55	04/20/15 14:12	
EPA 6010	Magnesium	335	mg/kg	11.0	04/20/15 14:12	
EPA 6010	Manganese	73.1	mg/kg	0.55	04/20/15 14:12	
EPA 6010	Nickel	8.3	mg/kg	0.55	04/20/15 14:12	
EPA 6010	Silver	0.32J	mg/kg	0.55	04/20/15 14:12	
EPA 6010	Vanadium	13.6	mg/kg	0.55	04/20/15 14:12	
EPA 6010	Zinc	76.5	mg/kg	1.1	04/20/15 14:12	
EPA 7471	Mercury	0.12	mg/kg	0.0049	04/17/15 11:49	
EPA 8260	Naphthalene	3.8J	ug/kg	7.4	04/14/15 00:22	
ASTM D2974-87	Percent Moisture	17.3	%	0.10	04/14/15 17:15	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

Sample: GTW-605-802-9-1 **Lab ID:** 92245059001 Collected: 04/09/15 09:00 Received: 04/10/15 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546									
Diesel Range Organics(C10-C28)	3260	mg/kg	116	104	20	04/14/15 09:32	04/19/15 22:48		
Surrogates									
n-Pentacosane (S)	0	%	41-119		20	04/14/15 09:32	04/19/15 22:48	629-99-2	S4
8015 GCS THC-ORO									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546									
Oil Range Organics (C28-C40)	6590	mg/kg	348	255	20	04/15/15 18:12	04/19/15 18:49		
Surrogates									
n-Pentacosane (S)	0	%	41-119		20	04/15/15 18:12	04/19/15 18:49	629-99-2	S4
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3546									
PCB-1016 (Aroclor 1016)	ND	ug/kg	383	174	10	04/15/15 23:28	04/17/15 00:50	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	383	174	10	04/15/15 23:28	04/17/15 00:50	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	383	174	10	04/15/15 23:28	04/17/15 00:50	11141-16-5	
PCB-1242 (Aroclor 1242)	2280	ug/kg	383	174	10	04/15/15 23:28	04/17/15 00:50	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	383	174	10	04/15/15 23:28	04/17/15 00:50	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	383	174	10	04/15/15 23:28	04/17/15 00:50	11097-69-1	
PCB-1260 (Aroclor 1260)	2010	ug/kg	383	174	10	04/15/15 23:28	04/17/15 00:50	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	0	%	21-132		10	04/15/15 23:28	04/17/15 00:50	2051-24-3	D3,S4
Gasoline Range Organics									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B									
Gas Range Organics (C6-C10)	ND	mg/kg	6.9	6.9	1	04/13/15 12:03	04/14/15 09:35		
Surrogates									
4-Bromofluorobenzene (S)	118	%	70-167		1	04/13/15 12:03	04/14/15 09:35	460-00-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Aluminum	4860	mg/kg	10.7	5.4	1	04/16/15 16:00	04/20/15 14:03	7429-90-5	M1
Antimony	3.2	mg/kg	0.54	0.42	1	04/16/15 16:00	04/20/15 14:03	7440-36-0	M1
Arsenic	14.8	mg/kg	1.1	0.54	1	04/16/15 16:00	04/20/15 14:03	7440-38-2	
Barium	246	mg/kg	0.54	0.27	1	04/16/15 16:00	04/20/15 14:03	7440-39-3	M1
Beryllium	0.37	mg/kg	0.11	0.054	1	04/16/15 16:00	04/20/15 14:03	7440-41-7	
Cadmium	2.1	mg/kg	0.11	0.054	1	04/16/15 16:00	04/20/15 14:03	7440-43-9	
Calcium	9020	mg/kg	10.7	5.4	1	04/16/15 16:00	04/20/15 14:03	7440-70-2	M1
Chromium	19.4	mg/kg	0.54	0.27	1	04/16/15 16:00	04/20/15 14:03	7440-47-3	M1
Cobalt	5.8	mg/kg	0.54	0.27	1	04/16/15 16:00	04/20/15 14:03	7440-48-4	
Copper	104	mg/kg	0.54	0.27	1	04/16/15 16:00	04/20/15 14:03	7440-50-8	
Iron	24100	mg/kg	215	107	20	04/16/15 16:00	04/20/15 14:18	7439-89-6	M6
Lead	475	mg/kg	0.54	0.27	1	04/16/15 16:00	04/20/15 14:03	7439-92-1	M1
Magnesium	1500	mg/kg	10.7	0.27	1	04/16/15 16:00	04/20/15 14:03	7439-95-4	M1
Manganese	297	mg/kg	0.54	0.27	1	04/16/15 16:00	04/20/15 14:03	7439-96-5	M1
Nickel	15.3	mg/kg	0.54	0.27	1	04/16/15 16:00	04/20/15 14:03	7440-02-0	
Potassium	790	mg/kg	537	537	1	04/16/15 16:00	04/20/15 14:03	7440-09-7	
Selenium	ND	mg/kg	1.1	0.54	1	04/16/15 16:00	04/20/15 14:03	7782-49-2	
Silver	0.87	mg/kg	0.54	0.27	1	04/16/15 16:00	04/20/15 14:03	7440-22-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

Sample: GTW-605-802-9-1 **Lab ID:** 92245059001 Collected: 04/09/15 09:00 Received: 04/10/15 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Sodium	399J	mg/kg	537	268	1	04/16/15 16:00	04/20/15 14:03	7440-23-5	
Thallium	ND	mg/kg	1.1	0.54	1	04/16/15 16:00	04/20/15 14:03	7440-28-0	
Vanadium	21.1	mg/kg	0.54	0.27	1	04/16/15 16:00	04/20/15 14:03	7440-62-2	
Zinc	371	mg/kg	1.1	0.54	1	04/16/15 16:00	04/20/15 14:03	7440-66-6	M1
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.19	mg/kg	0.045	0.00089	10	04/16/15 15:10	04/17/15 13:00	7439-97-6	M6
8270 MSSV PAH Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	ND	ug/kg	19100	4410	10	04/14/15 14:15	04/17/15 00:49	83-32-9	
Acenaphthylene	ND	ug/kg	19100	4520	10	04/14/15 14:15	04/17/15 00:49	208-96-8	
Anthracene	ND	ug/kg	19100	4290	10	04/14/15 14:15	04/17/15 00:49	120-12-7	
Benzo(a)anthracene	ND	ug/kg	19100	3540	10	04/14/15 14:15	04/17/15 00:49	56-55-3	
Benzo(a)pyrene	ND	ug/kg	19100	3650	10	04/14/15 14:15	04/17/15 00:49	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	19100	3310	10	04/14/15 14:15	04/17/15 00:49	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	19100	4870	10	04/14/15 14:15	04/17/15 00:49	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	19100	3770	10	04/14/15 14:15	04/17/15 00:49	207-08-9	
Chrysene	ND	ug/kg	19100	2550	10	04/14/15 14:15	04/17/15 00:49	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	19100	4060	10	04/14/15 14:15	04/17/15 00:49	53-70-3	
Fluoranthene	5560J	ug/kg	19100	2780	10	04/14/15 14:15	04/17/15 00:49	206-44-0	
Fluorene	ND	ug/kg	19100	3940	10	04/14/15 14:15	04/17/15 00:49	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	19100	3940	10	04/14/15 14:15	04/17/15 00:49	193-39-5	
1-Methylnaphthalene	ND	ug/kg	19100	4990	10	04/14/15 14:15	04/17/15 00:49	90-12-0	
2-Methylnaphthalene	ND	ug/kg	19100	4120	10	04/14/15 14:15	04/17/15 00:49	91-57-6	
Naphthalene	ND	ug/kg	19100	4700	10	04/14/15 14:15	04/17/15 00:49	91-20-3	
Phenanthrene	4190J	ug/kg	19100	3190	10	04/14/15 14:15	04/17/15 00:49	85-01-8	
Pyrene	4900J	ug/kg	19100	3250	10	04/14/15 14:15	04/17/15 00:49	129-00-0	L2
Surrogates									
Nitrobenzene-d5 (S)	0	%	23-110		10	04/14/15 14:15	04/17/15 00:49	4165-60-0	D3,P3, S4
2-Fluorobiphenyl (S)	0	%	30-110		10	04/14/15 14:15	04/17/15 00:49	321-60-8	S4
Terphenyl-d14 (S)	0	%	28-110		10	04/14/15 14:15	04/17/15 00:49	1718-51-0	S4
8260/5035A Volatile Organics Analytical Method: EPA 8260									
Acetone	ND	ug/kg	2830	283	25		04/14/15 00:02	67-64-1	
Benzene	ND	ug/kg	141	45.2	25		04/14/15 00:02	71-43-2	
Bromobenzene	ND	ug/kg	141	56.5	25		04/14/15 00:02	108-86-1	
Bromochloromethane	ND	ug/kg	141	48.0	25		04/14/15 00:02	74-97-5	
Bromodichloromethane	ND	ug/kg	141	53.7	25		04/14/15 00:02	75-27-4	
Bromoform	ND	ug/kg	141	65.0	25		04/14/15 00:02	75-25-2	
Bromomethane	ND	ug/kg	283	70.6	25		04/14/15 00:02	74-83-9	
2-Butanone (MEK)	444J	ug/kg	2830	81.9	25		04/14/15 00:02	78-93-3	
n-Butylbenzene	169	ug/kg	141	50.9	25		04/14/15 00:02	104-51-8	
sec-Butylbenzene	75.0J	ug/kg	141	45.2	25		04/14/15 00:02	135-98-8	
tert-Butylbenzene	ND	ug/kg	141	56.5	25		04/14/15 00:02	98-06-6	

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245059

Sample: GTW-605-802-9-1 **Lab ID: 92245059001** Collected: 04/09/15 09:00 Received: 04/10/15 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
Carbon tetrachloride	ND	ug/kg	141	73.5	25		04/14/15 00:02	56-23-5	
Chlorobenzene	ND	ug/kg	141	53.7	25		04/14/15 00:02	108-90-7	
Chloroethane	ND	ug/kg	283	67.8	25		04/14/15 00:02	75-00-3	
Chloroform	ND	ug/kg	141	45.2	25		04/14/15 00:02	67-66-3	
Chloromethane	ND	ug/kg	283	67.8	25		04/14/15 00:02	74-87-3	
2-Chlorotoluene	ND	ug/kg	141	48.0	25		04/14/15 00:02	95-49-8	
4-Chlorotoluene	ND	ug/kg	141	50.9	25		04/14/15 00:02	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	141	102	25		04/14/15 00:02	96-12-8	
Dibromochloromethane	ND	ug/kg	141	50.9	25		04/14/15 00:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	141	50.9	25		04/14/15 00:02	106-93-4	
Dibromomethane	ND	ug/kg	141	70.6	25		04/14/15 00:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	141	53.7	25		04/14/15 00:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	141	56.5	25		04/14/15 00:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	141	48.0	25		04/14/15 00:02	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	283	102	25		04/14/15 00:02	75-71-8	
1,1-Dichloroethane	ND	ug/kg	141	42.4	25		04/14/15 00:02	75-34-3	
1,2-Dichloroethane	ND	ug/kg	141	62.2	25		04/14/15 00:02	107-06-2	
1,1-Dichloroethene	ND	ug/kg	141	50.9	25		04/14/15 00:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	141	39.6	25		04/14/15 00:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	141	53.7	25		04/14/15 00:02	156-60-5	
1,2-Dichloropropane	ND	ug/kg	141	48.0	25		04/14/15 00:02	78-87-5	
1,3-Dichloropropane	ND	ug/kg	141	53.7	25		04/14/15 00:02	142-28-9	
2,2-Dichloropropane	ND	ug/kg	141	48.0	25		04/14/15 00:02	594-20-7	
1,1-Dichloropropene	ND	ug/kg	141	42.4	25		04/14/15 00:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	141	50.9	25		04/14/15 00:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	141	42.4	25		04/14/15 00:02	10061-02-6	
Diisopropyl ether	ND	ug/kg	141	48.0	25		04/14/15 00:02	108-20-3	
Ethylbenzene	114J	ug/kg	141	50.9	25		04/14/15 00:02	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	141	56.5	25		04/14/15 00:02	87-68-3	
2-Hexanone	ND	ug/kg	1410	110	25		04/14/15 00:02	591-78-6	
Isopropylbenzene (Cumene)	64.2J	ug/kg	141	53.7	25		04/14/15 00:02	98-82-8	
p-Isopropyltoluene	270	ug/kg	141	48.0	25		04/14/15 00:02	99-87-6	
Methylene Chloride	ND	ug/kg	565	84.8	25		04/14/15 00:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	1410	105	25		04/14/15 00:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	141	42.4	25		04/14/15 00:02	1634-04-4	
Naphthalene	730	ug/kg	141	33.9	25		04/14/15 00:02	91-20-3	
n-Propylbenzene	125J	ug/kg	141	48.0	25		04/14/15 00:02	103-65-1	
Styrene	ND	ug/kg	141	50.9	25		04/14/15 00:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	141	59.3	25		04/14/15 00:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	141	53.7	25		04/14/15 00:02	79-34-5	
Tetrachloroethene	ND	ug/kg	141	48.0	25		04/14/15 00:02	127-18-4	
Toluene	118J	ug/kg	141	50.9	25		04/14/15 00:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	141	62.2	25		04/14/15 00:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	141	45.2	25		04/14/15 00:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	141	50.9	25		04/14/15 00:02	71-55-6	

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

Sample: GTW-605-802-9-1 **Lab ID: 92245059001** Collected: 04/09/15 09:00 Received: 04/10/15 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
1,1,2-Trichloroethane	ND	ug/kg	141	59.3	25		04/14/15 00:02	79-00-5	
Trichloroethene	ND	ug/kg	141	59.3	25		04/14/15 00:02	79-01-6	
Trichlorofluoromethane	119J	ug/kg	141	62.2	25		04/14/15 00:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	141	45.2	25		04/14/15 00:02	96-18-4	
1,2,4-Trimethylbenzene	1980	ug/kg	141	56.5	25		04/14/15 00:02	95-63-6	
1,3,5-Trimethylbenzene	847	ug/kg	141	50.9	25		04/14/15 00:02	108-67-8	
Vinyl acetate	ND	ug/kg	1410	249	25		04/14/15 00:02	108-05-4	
Vinyl chloride	ND	ug/kg	283	50.9	25		04/14/15 00:02	75-01-4	
Xylene (Total)	657	ug/kg	283	102	25		04/14/15 00:02	1330-20-7	
m&p-Xylene	328	ug/kg	283	102	25		04/14/15 00:02	179601-23-1	
o-Xylene	329	ug/kg	141	53.7	25		04/14/15 00:02	95-47-6	
Surrogates									
Toluene-d8 (S)	100	%	70-130		25		04/14/15 00:02	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		25		04/14/15 00:02	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-132		25		04/14/15 00:02	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	13.8	%	0.10	0.10	1		04/14/15 17:15		

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245059

Sample: GTW-605-802-6-1 **Lab ID: 92245059002** Collected: 04/09/15 13:15 Received: 04/10/15 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel									
		Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546							
Diesel Range Organics(C10-C28)	124	mg/kg	6.0	5.4	1	04/14/15 09:32	04/18/15 06:34		
Surrogates									
n-Pentacosane (S)	84	%	41-119		1	04/14/15 09:32	04/18/15 06:34	629-99-2	
8015 GCS THC-ORO									
		Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546							
Oil Range Organics (C28-C40)	344	mg/kg	18.1	13.3	1	04/15/15 18:12	04/16/15 23:01		
Surrogates									
n-Pentacosane (S)	92	%	41-119		1	04/15/15 18:12	04/16/15 23:01	629-99-2	
8082 GCS PCB									
		Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND	ug/kg	39.9	18.1	1	04/15/15 23:28	04/17/15 01:11	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	39.9	18.1	1	04/15/15 23:28	04/17/15 01:11	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	39.9	18.1	1	04/15/15 23:28	04/17/15 01:11	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	39.9	18.1	1	04/15/15 23:28	04/17/15 01:11	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	39.9	18.1	1	04/15/15 23:28	04/17/15 01:11	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	39.9	18.1	1	04/15/15 23:28	04/17/15 01:11	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	39.9	18.1	1	04/15/15 23:28	04/17/15 01:11	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	38	%	21-132		1	04/15/15 23:28	04/17/15 01:11	2051-24-3	
Gasoline Range Organics									
		Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B							
Gas Range Organics (C6-C10)	ND	mg/kg	7.3	7.3	1	04/13/15 12:03	04/14/15 09:57		
Surrogates									
4-Bromofluorobenzene (S)	116	%	70-167		1	04/13/15 12:03	04/14/15 09:57	460-00-4	
6010 MET ICP									
		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Aluminum	3030	mg/kg	11.0	5.5	1	04/16/15 16:00	04/20/15 14:12	7429-90-5	
Antimony	1.1	mg/kg	0.55	0.43	1	04/16/15 16:00	04/20/15 14:12	7440-36-0	
Arsenic	12.7	mg/kg	1.1	0.55	1	04/16/15 16:00	04/20/15 14:12	7440-38-2	
Barium	106	mg/kg	0.55	0.27	1	04/16/15 16:00	04/20/15 14:12	7440-39-3	
Beryllium	0.42	mg/kg	0.11	0.055	1	04/16/15 16:00	04/20/15 14:12	7440-41-7	
Cadmium	0.18	mg/kg	0.11	0.055	1	04/16/15 16:00	04/20/15 14:12	7440-43-9	
Calcium	4670	mg/kg	11.0	5.5	1	04/16/15 16:00	04/20/15 14:12	7440-70-2	
Chromium	6.0	mg/kg	0.55	0.27	1	04/16/15 16:00	04/20/15 14:12	7440-47-3	
Cobalt	3.3	mg/kg	0.55	0.27	1	04/16/15 16:00	04/20/15 14:12	7440-48-4	
Copper	55.3	mg/kg	0.55	0.27	1	04/16/15 16:00	04/20/15 14:12	7440-50-8	
Iron	7130	mg/kg	11.0	5.5	1	04/16/15 16:00	04/20/15 14:12	7439-89-6	
Lead	302	mg/kg	0.55	0.27	1	04/16/15 16:00	04/20/15 14:12	7439-92-1	
Magnesium	335	mg/kg	11.0	0.27	1	04/16/15 16:00	04/20/15 14:12	7439-95-4	
Manganese	73.1	mg/kg	0.55	0.27	1	04/16/15 16:00	04/20/15 14:12	7439-96-5	
Nickel	8.3	mg/kg	0.55	0.27	1	04/16/15 16:00	04/20/15 14:12	7440-02-0	
Potassium	ND	mg/kg	550	550	1	04/16/15 16:00	04/20/15 14:12	7440-09-7	
Selenium	ND	mg/kg	1.1	0.55	1	04/16/15 16:00	04/20/15 14:12	7782-49-2	
Silver	0.32J	mg/kg	0.55	0.27	1	04/16/15 16:00	04/20/15 14:12	7440-22-4	

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245059

Sample: GTW-605-802-6-1 **Lab ID: 92245059002** Collected: 04/09/15 13:15 Received: 04/10/15 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Sodium	ND	mg/kg	550	275	1	04/16/15 16:00	04/20/15 14:12	7440-23-5	
Thallium	ND	mg/kg	1.1	0.55	1	04/16/15 16:00	04/20/15 14:12	7440-28-0	
Vanadium	13.6	mg/kg	0.55	0.27	1	04/16/15 16:00	04/20/15 14:12	7440-62-2	
Zinc	76.5	mg/kg	1.1	0.55	1	04/16/15 16:00	04/20/15 14:12	7440-66-6	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	0.12	mg/kg	0.0049	0.000098	1	04/16/15 15:10	04/17/15 11:49	7439-97-6	
8270 MSSV PAH Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	20000	4600	10	04/14/15 14:15	04/17/15 01:16	83-32-9	
Acenaphthylene	ND	ug/kg	20000	4720	10	04/14/15 14:15	04/17/15 01:16	208-96-8	
Anthracene	ND	ug/kg	20000	4470	10	04/14/15 14:15	04/17/15 01:16	120-12-7	
Benzo(a)anthracene	ND	ug/kg	20000	3690	10	04/14/15 14:15	04/17/15 01:16	56-55-3	
Benzo(a)pyrene	ND	ug/kg	20000	3810	10	04/14/15 14:15	04/17/15 01:16	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	20000	3450	10	04/14/15 14:15	04/17/15 01:16	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	20000	5080	10	04/14/15 14:15	04/17/15 01:16	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	20000	3930	10	04/14/15 14:15	04/17/15 01:16	207-08-9	
Chrysene	ND	ug/kg	20000	2660	10	04/14/15 14:15	04/17/15 01:16	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	20000	4230	10	04/14/15 14:15	04/17/15 01:16	53-70-3	
Fluoranthene	ND	ug/kg	20000	2900	10	04/14/15 14:15	04/17/15 01:16	206-44-0	
Fluorene	ND	ug/kg	20000	4110	10	04/14/15 14:15	04/17/15 01:16	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	20000	4110	10	04/14/15 14:15	04/17/15 01:16	193-39-5	
1-Methylnaphthalene	ND	ug/kg	20000	5200	10	04/14/15 14:15	04/17/15 01:16	90-12-0	
2-Methylnaphthalene	ND	ug/kg	20000	4290	10	04/14/15 14:15	04/17/15 01:16	91-57-6	
Naphthalene	ND	ug/kg	20000	4900	10	04/14/15 14:15	04/17/15 01:16	91-20-3	
Phenanthrene	ND	ug/kg	20000	3330	10	04/14/15 14:15	04/17/15 01:16	85-01-8	
Pyrene	ND	ug/kg	20000	3390	10	04/14/15 14:15	04/17/15 01:16	129-00-0	L2
Surrogates									
Nitrobenzene-d5 (S)	0	%	23-110		10	04/14/15 14:15	04/17/15 01:16	4165-60-0	D3,P3, S4
2-Fluorobiphenyl (S)	0	%	30-110		10	04/14/15 14:15	04/17/15 01:16	321-60-8	S4
Terphenyl-d14 (S)	0	%	28-110		10	04/14/15 14:15	04/17/15 01:16	1718-51-0	S4
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
Acetone	ND	ug/kg	148	14.8	1		04/14/15 00:22	67-64-1	
Benzene	ND	ug/kg	7.4	2.4	1		04/14/15 00:22	71-43-2	
Bromobenzene	ND	ug/kg	7.4	3.0	1		04/14/15 00:22	108-86-1	
Bromochloromethane	ND	ug/kg	7.4	2.5	1		04/14/15 00:22	74-97-5	
Bromodichloromethane	ND	ug/kg	7.4	2.8	1		04/14/15 00:22	75-27-4	
Bromoform	ND	ug/kg	7.4	3.4	1		04/14/15 00:22	75-25-2	
Bromomethane	ND	ug/kg	14.8	3.7	1		04/14/15 00:22	74-83-9	
2-Butanone (MEK)	ND	ug/kg	148	4.3	1		04/14/15 00:22	78-93-3	
n-Butylbenzene	ND	ug/kg	7.4	2.7	1		04/14/15 00:22	104-51-8	
sec-Butylbenzene	ND	ug/kg	7.4	2.4	1		04/14/15 00:22	135-98-8	
tert-Butylbenzene	ND	ug/kg	7.4	3.0	1		04/14/15 00:22	98-06-6	

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245059

Sample: GTW-605-802-6-1 Lab ID: 92245059002 Collected: 04/09/15 13:15 Received: 04/10/15 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
Carbon tetrachloride	ND	ug/kg	7.4	3.8	1		04/14/15 00:22	56-23-5	
Chlorobenzene	ND	ug/kg	7.4	2.8	1		04/14/15 00:22	108-90-7	
Chloroethane	ND	ug/kg	14.8	3.5	1		04/14/15 00:22	75-00-3	
Chloroform	ND	ug/kg	7.4	2.4	1		04/14/15 00:22	67-66-3	
Chloromethane	ND	ug/kg	14.8	3.5	1		04/14/15 00:22	74-87-3	
2-Chlorotoluene	ND	ug/kg	7.4	2.5	1		04/14/15 00:22	95-49-8	
4-Chlorotoluene	ND	ug/kg	7.4	2.7	1		04/14/15 00:22	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.4	5.3	1		04/14/15 00:22	96-12-8	
Dibromochloromethane	ND	ug/kg	7.4	2.7	1		04/14/15 00:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	7.4	2.7	1		04/14/15 00:22	106-93-4	
Dibromomethane	ND	ug/kg	7.4	3.7	1		04/14/15 00:22	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	7.4	2.8	1		04/14/15 00:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.4	3.0	1		04/14/15 00:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.4	2.5	1		04/14/15 00:22	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	14.8	5.3	1		04/14/15 00:22	75-71-8	
1,1-Dichloroethane	ND	ug/kg	7.4	2.2	1		04/14/15 00:22	75-34-3	
1,2-Dichloroethane	ND	ug/kg	7.4	3.3	1		04/14/15 00:22	107-06-2	
1,1-Dichloroethene	ND	ug/kg	7.4	2.7	1		04/14/15 00:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	7.4	2.1	1		04/14/15 00:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	7.4	2.8	1		04/14/15 00:22	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.4	2.5	1		04/14/15 00:22	78-87-5	
1,3-Dichloropropane	ND	ug/kg	7.4	2.8	1		04/14/15 00:22	142-28-9	
2,2-Dichloropropane	ND	ug/kg	7.4	2.5	1		04/14/15 00:22	594-20-7	
1,1-Dichloropropene	ND	ug/kg	7.4	2.2	1		04/14/15 00:22	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	7.4	2.7	1		04/14/15 00:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.4	2.2	1		04/14/15 00:22	10061-02-6	
Diisopropyl ether	ND	ug/kg	7.4	2.5	1		04/14/15 00:22	108-20-3	
Ethylbenzene	ND	ug/kg	7.4	2.7	1		04/14/15 00:22	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	7.4	3.0	1		04/14/15 00:22	87-68-3	
2-Hexanone	ND	ug/kg	73.9	5.8	1		04/14/15 00:22	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	7.4	2.8	1		04/14/15 00:22	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.4	2.5	1		04/14/15 00:22	99-87-6	
Methylene Chloride	ND	ug/kg	29.6	4.4	1		04/14/15 00:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	73.9	5.5	1		04/14/15 00:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	7.4	2.2	1		04/14/15 00:22	1634-04-4	
Naphthalene	3.8J	ug/kg	7.4	1.8	1		04/14/15 00:22	91-20-3	
n-Propylbenzene	ND	ug/kg	7.4	2.5	1		04/14/15 00:22	103-65-1	
Styrene	ND	ug/kg	7.4	2.7	1		04/14/15 00:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	7.4	3.1	1		04/14/15 00:22	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND	ug/kg	7.4	2.8	1		04/14/15 00:22	79-34-5	
Tetrachloroethene	ND	ug/kg	7.4	2.5	1		04/14/15 00:22	127-18-4	
Toluene	ND	ug/kg	7.4	2.7	1		04/14/15 00:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	7.4	3.3	1		04/14/15 00:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	7.4	2.4	1		04/14/15 00:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	7.4	2.7	1		04/14/15 00:22	71-55-6	

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

Sample: GTW-605-802-6-1 **Lab ID: 92245059002** Collected: 04/09/15 13:15 Received: 04/10/15 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
1,1,2-Trichloroethane	ND	ug/kg	7.4	3.1	1		04/14/15 00:22	79-00-5	
Trichloroethene	ND	ug/kg	7.4	3.1	1		04/14/15 00:22	79-01-6	
Trichlorofluoromethane	ND	ug/kg	7.4	3.3	1		04/14/15 00:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	7.4	2.4	1		04/14/15 00:22	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	7.4	3.0	1		04/14/15 00:22	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	7.4	2.7	1		04/14/15 00:22	108-67-8	
Vinyl acetate	ND	ug/kg	73.9	13.0	1		04/14/15 00:22	108-05-4	
Vinyl chloride	ND	ug/kg	14.8	2.7	1		04/14/15 00:22	75-01-4	
Xylene (Total)	ND	ug/kg	14.8	5.3	1		04/14/15 00:22	1330-20-7	
m&p-Xylene	ND	ug/kg	14.8	5.3	1		04/14/15 00:22	179601-23-1	
o-Xylene	ND	ug/kg	7.4	2.8	1		04/14/15 00:22	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		04/14/15 00:22	2037-26-5	1g
4-Bromofluorobenzene (S)	71	%	70-130		1		04/14/15 00:22	460-00-4	
1,2-Dichloroethane-d4 (S)	121	%	70-132		1		04/14/15 00:22	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	17.3	%	0.10	0.10	1		04/14/15 17:15		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

QC Batch:	GCV/9200	Analysis Method:	EPA 8015 Modified
QC Batch Method:	EPA 5035A/5030B	Analysis Description:	Gasoline Range Organics
Associated Lab Samples:	92245059001, 92245059002		

METHOD BLANK: 1433011 Matrix: Solid

Associated Lab Samples: 92245059001, 92245059002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gas Range Organics (C6-C10)	mg/kg	ND	6.0	04/14/15 01:15	
4-Bromofluorobenzene (S)	%	119	70-167	04/14/15 01:15	

LABORATORY CONTROL SAMPLE: 1433012

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gas Range Organics (C6-C10)	mg/kg	50	62.7	125	70-165	
4-Bromofluorobenzene (S)	%			121	70-167	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

QC Batch: MERP/7748 Analysis Method: EPA 7471
 QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
 Associated Lab Samples: 92245059001, 92245059002

METHOD BLANK: 1436483 Matrix: Solid

Associated Lab Samples: 92245059001, 92245059002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	04/17/15 11:12	

LABORATORY CONTROL SAMPLE: 1436484

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.067	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1436488 1436489

Parameter	Units	92245059001		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
		Result	MS Spike Conc.	Spike Conc.	MS Result	MSD Result	% Rec	% Rec				
Mercury	mg/kg	0.19	.05	.063	0.21	0.26	54	114	75-125	19	20	M6

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

QC Batch: MPRP/18291 Analysis Method: EPA 6010
 QC Batch Method: EPA 3050 Analysis Description: 6010 MET
 Associated Lab Samples: 92245059001, 92245059002

METHOD BLANK: 1436530 Matrix: Solid

Associated Lab Samples: 92245059001, 92245059002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	ND	10.0	04/20/15 13:57	
Antimony	mg/kg	ND	0.50	04/20/15 13:57	
Arsenic	mg/kg	ND	1.0	04/20/15 13:57	
Barium	mg/kg	ND	0.50	04/20/15 13:57	
Beryllium	mg/kg	ND	0.10	04/20/15 13:57	
Cadmium	mg/kg	ND	0.10	04/20/15 13:57	
Calcium	mg/kg	ND	10.0	04/20/15 13:57	
Chromium	mg/kg	ND	0.50	04/20/15 13:57	
Cobalt	mg/kg	ND	0.50	04/20/15 13:57	
Copper	mg/kg	ND	0.50	04/20/15 13:57	
Iron	mg/kg	ND	10.0	04/20/15 13:57	
Lead	mg/kg	ND	0.50	04/20/15 13:57	
Magnesium	mg/kg	ND	10.0	04/20/15 13:57	
Manganese	mg/kg	ND	0.50	04/20/15 13:57	
Nickel	mg/kg	ND	0.50	04/20/15 13:57	
Potassium	mg/kg	ND	500	04/20/15 13:57	
Selenium	mg/kg	ND	1.0	04/20/15 13:57	
Silver	mg/kg	ND	0.50	04/20/15 13:57	
Sodium	mg/kg	ND	500	04/20/15 13:57	
Thallium	mg/kg	ND	1.0	04/20/15 13:57	
Vanadium	mg/kg	ND	0.50	04/20/15 13:57	
Zinc	mg/kg	ND	1.0	04/20/15 13:57	

LABORATORY CONTROL SAMPLE: 1436531

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	500	488	98	80-120	
Antimony	mg/kg	50	52.2	104	80-120	
Arsenic	mg/kg	50	49.6	99	80-120	
Barium	mg/kg	50	49.0	98	80-120	
Beryllium	mg/kg	50	49.0	98	80-120	
Cadmium	mg/kg	50	50.1	100	80-120	
Calcium	mg/kg	500	481	96	80-120	
Chromium	mg/kg	50	47.9	96	80-120	
Cobalt	mg/kg	50	50.8	102	80-120	
Copper	mg/kg	50	50.3	101	80-120	
Iron	mg/kg	500	488	98	80-120	
Lead	mg/kg	50	50.2	100	80-120	
Magnesium	mg/kg	500	481	96	80-120	
Manganese	mg/kg	50	48.5	97	80-120	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

LABORATORY CONTROL SAMPLE: 1436531

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	mg/kg	50	49.1	98	80-120	
Potassium	mg/kg	500	ND	100	80-120	
Selenium	mg/kg	50	50.6	101	80-120	
Silver	mg/kg	25	24.6	99	80-120	
Sodium	mg/kg	500	503	101	80-120	
Thallium	mg/kg	50	49.6	99	80-120	
Vanadium	mg/kg	50	49.3	99	80-120	
Zinc	mg/kg	50	49.3	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1436532 1436533

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result								
Aluminum	mg/kg	4860	547	537	6380	6470	279	301	75-125	1	20	M1	
Antimony	mg/kg	3.2	54.7	53.7	44.2	42.5	75	73	75-125	4	20	M1	
Arsenic	mg/kg	14.8	54.7	53.7	60.4	59.3	83	83	75-125	2	20		
Barium	mg/kg	246	54.7	53.7	270	267	45	40	75-125	1	20	M1	
Beryllium	mg/kg	0.37	54.7	53.7	50.4	49.7	91	92	75-125	1	20		
Cadmium	mg/kg	2.1	54.7	53.7	53.1	51.8	93	93	75-125	2	20		
Calcium	mg/kg	9020	547	537	5620	5570	-622	-644	75-125	1	20	M1	
Chromium	mg/kg	19.4	54.7	53.7	88.7	86.9	127	126	75-125	2	20	M1	
Cobalt	mg/kg	5.8	54.7	53.7	57.1	55.6	94	93	75-125	3	20		
Copper	mg/kg	104	54.7	53.7	150	146	85	79	75-125	3	20		
Iron	mg/kg	24100	547	537	16500	16200	-1383	-1475	75-125	2	20	M6	
Lead	mg/kg	475	54.7	53.7	509	498	62	42	75-125	2	20	M1	
Magnesium	mg/kg	1500	547	537	2180	2140	126	120	75-125	2	20	M1	
Manganese	mg/kg	297	54.7	53.7	276	269	-38	-52	75-125	3	20	M1	
Nickel	mg/kg	15.3	54.7	53.7	63.9	62.3	89	88	75-125	3	20		
Potassium	mg/kg	790	547	537	1300	1300	92	94	75-125	0	20		
Selenium	mg/kg	ND	54.7	53.7	49.6	48.7	91	91	75-125	2	20		
Silver	mg/kg	0.87	27.4	26.8	26.3	25.6	93	92	75-125	2	20		
Sodium	mg/kg	399J	547	537	893	882	90	90	75-125	1	20		
Thallium	mg/kg	ND	54.7	53.7	45.3	44.2	82	82	75-125	2	20		
Vanadium	mg/kg	21.1	54.7	53.7	73.8	72.1	96	95	75-125	2	20		
Zinc	mg/kg	371	54.7	53.7	387	376	28	10	75-125	3	20	M1	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

QC Batch:	MSV/31175	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV 5035A Volatile Organics
Associated Lab Samples:	92245059001, 92245059002		

METHOD BLANK: 1433172 Matrix: Solid

Associated Lab Samples: 92245059001, 92245059002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	4.0	04/13/15 15:07	
1,1,1-Trichloroethane	ug/kg	ND	4.0	04/13/15 15:07	
1,1,2,2-Tetrachloroethane	ug/kg	ND	4.0	04/13/15 15:07	
1,1,2-Trichloroethane	ug/kg	ND	4.0	04/13/15 15:07	
1,1-Dichloroethane	ug/kg	ND	4.0	04/13/15 15:07	
1,1-Dichloroethene	ug/kg	ND	4.0	04/13/15 15:07	
1,1-Dichloropropene	ug/kg	ND	4.0	04/13/15 15:07	
1,2,3-Trichlorobenzene	ug/kg	ND	4.0	04/13/15 15:07	
1,2,3-Trichloropropane	ug/kg	ND	4.0	04/13/15 15:07	
1,2,4-Trichlorobenzene	ug/kg	ND	4.0	04/13/15 15:07	
1,2,4-Trimethylbenzene	ug/kg	ND	4.0	04/13/15 15:07	
1,2-Dibromo-3-chloropropane	ug/kg	ND	4.0	04/13/15 15:07	
1,2-Dibromoethane (EDB)	ug/kg	ND	4.0	04/13/15 15:07	
1,2-Dichlorobenzene	ug/kg	ND	4.0	04/13/15 15:07	
1,2-Dichloroethane	ug/kg	ND	4.0	04/13/15 15:07	
1,2-Dichloropropane	ug/kg	ND	4.0	04/13/15 15:07	
1,3,5-Trimethylbenzene	ug/kg	ND	4.0	04/13/15 15:07	
1,3-Dichlorobenzene	ug/kg	ND	4.0	04/13/15 15:07	
1,3-Dichloropropane	ug/kg	ND	4.0	04/13/15 15:07	
1,4-Dichlorobenzene	ug/kg	ND	4.0	04/13/15 15:07	
2,2-Dichloropropane	ug/kg	ND	4.0	04/13/15 15:07	
2-Butanone (MEK)	ug/kg	ND	79.1	04/13/15 15:07	
2-Chlorotoluene	ug/kg	ND	4.0	04/13/15 15:07	
2-Hexanone	ug/kg	ND	39.6	04/13/15 15:07	
4-Chlorotoluene	ug/kg	ND	4.0	04/13/15 15:07	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	39.6	04/13/15 15:07	
Acetone	ug/kg	ND	79.1	04/13/15 15:07	
Benzene	ug/kg	ND	4.0	04/13/15 15:07	
Bromobenzene	ug/kg	ND	4.0	04/13/15 15:07	
Bromochloromethane	ug/kg	ND	4.0	04/13/15 15:07	
Bromodichloromethane	ug/kg	ND	4.0	04/13/15 15:07	
Bromoform	ug/kg	ND	4.0	04/13/15 15:07	
Bromomethane	ug/kg	ND	7.9	04/13/15 15:07	
Carbon tetrachloride	ug/kg	ND	4.0	04/13/15 15:07	
Chlorobenzene	ug/kg	ND	4.0	04/13/15 15:07	
Chloroethane	ug/kg	ND	7.9	04/13/15 15:07	
Chloroform	ug/kg	ND	4.0	04/13/15 15:07	
Chloromethane	ug/kg	ND	7.9	04/13/15 15:07	
cis-1,2-Dichloroethene	ug/kg	ND	4.0	04/13/15 15:07	
cis-1,3-Dichloropropene	ug/kg	ND	4.0	04/13/15 15:07	
Dibromochloromethane	ug/kg	ND	4.0	04/13/15 15:07	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

METHOD BLANK: 1433172

Matrix: Solid

Associated Lab Samples: 92245059001, 92245059002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	4.0	04/13/15 15:07	
Dichlorodifluoromethane	ug/kg	ND	7.9	04/13/15 15:07	
Diisopropyl ether	ug/kg	ND	4.0	04/13/15 15:07	
Ethylbenzene	ug/kg	ND	4.0	04/13/15 15:07	
Hexachloro-1,3-butadiene	ug/kg	ND	4.0	04/13/15 15:07	
Isopropylbenzene (Cumene)	ug/kg	ND	4.0	04/13/15 15:07	
m&p-Xylene	ug/kg	ND	7.9	04/13/15 15:07	
Methyl-tert-butyl ether	ug/kg	ND	4.0	04/13/15 15:07	
Methylene Chloride	ug/kg	ND	15.8	04/13/15 15:07	
n-Butylbenzene	ug/kg	ND	4.0	04/13/15 15:07	
n-Propylbenzene	ug/kg	ND	4.0	04/13/15 15:07	
Naphthalene	ug/kg	ND	4.0	04/13/15 15:07	
o-Xylene	ug/kg	ND	4.0	04/13/15 15:07	
p-Isopropyltoluene	ug/kg	ND	4.0	04/13/15 15:07	
sec-Butylbenzene	ug/kg	ND	4.0	04/13/15 15:07	
Styrene	ug/kg	1.7J	4.0	04/13/15 15:07	
tert-Butylbenzene	ug/kg	ND	4.0	04/13/15 15:07	
Tetrachloroethene	ug/kg	ND	4.0	04/13/15 15:07	
Toluene	ug/kg	ND	4.0	04/13/15 15:07	
trans-1,2-Dichloroethene	ug/kg	ND	4.0	04/13/15 15:07	
trans-1,3-Dichloropropene	ug/kg	ND	4.0	04/13/15 15:07	
Trichloroethene	ug/kg	ND	4.0	04/13/15 15:07	
Trichlorofluoromethane	ug/kg	ND	4.0	04/13/15 15:07	
Vinyl acetate	ug/kg	ND	39.6	04/13/15 15:07	
Vinyl chloride	ug/kg	ND	7.9	04/13/15 15:07	
Xylene (Total)	ug/kg	ND	7.9	04/13/15 15:07	
1,2-Dichloroethane-d4 (S)	%	100	70-132	04/13/15 15:07	
4-Bromofluorobenzene (S)	%	103	70-130	04/13/15 15:07	
Toluene-d8 (S)	%	105	70-130	04/13/15 15:07	

LABORATORY CONTROL SAMPLE: 1433173

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	45.1	50.8	113	74-137	
1,1,1-Trichloroethane	ug/kg	45.1	49.2	109	67-140	
1,1,2,2-Tetrachloroethane	ug/kg	45.1	44.9	99	72-141	
1,1,2-Trichloroethane	ug/kg	45.1	48.4	107	78-138	
1,1-Dichloroethane	ug/kg	45.1	47.0	104	69-134	
1,1-Dichloroethene	ug/kg	45.1	46.8	104	67-138	
1,1-Dichloropropene	ug/kg	45.1	49.8	110	69-139	
1,2,3-Trichlorobenzene	ug/kg	45.1	50.0	111	70-146	
1,2,3-Trichloropropane	ug/kg	45.1	49.9	111	69-144	
1,2,4-Trichlorobenzene	ug/kg	45.1	49.7	110	68-148	
1,2,4-Trimethylbenzene	ug/kg	45.1	47.8	106	74-137	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

LABORATORY CONTROL SAMPLE: 1433173

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/kg	45.1	46.3	103	65-140	
1,2-Dibromoethane (EDB)	ug/kg	45.1	50.9	113	77-135	
1,2-Dichlorobenzene	ug/kg	45.1	49.5	110	77-141	
1,2-Dichloroethane	ug/kg	45.1	47.0	104	65-137	
1,2-Dichloropropane	ug/kg	45.1	46.1	102	72-136	
1,3,5-Trimethylbenzene	ug/kg	45.1	47.8	106	76-133	
1,3-Dichlorobenzene	ug/kg	45.1	48.4	107	74-138	
1,3-Dichloropropane	ug/kg	45.1	49.0	109	71-139	
1,4-Dichlorobenzene	ug/kg	45.1	48.4	107	76-138	
2,2-Dichloropropane	ug/kg	45.1	47.2	105	68-137	
2-Butanone (MEK)	ug/kg	90.3	77.2J	86	58-147	
2-Chlorotoluene	ug/kg	45.1	48.5	107	73-139	
2-Hexanone	ug/kg	90.3	85.7	95	62-145	
4-Chlorotoluene	ug/kg	45.1	48.3	107	76-141	
4-Methyl-2-pentanone (MIBK)	ug/kg	90.3	88.7	98	64-149	
Acetone	ug/kg	90.3	82.4J	91	53-153	
Benzene	ug/kg	45.1	49.8	110	73-135	
Bromobenzene	ug/kg	45.1	47.3	105	75-133	
Bromochloromethane	ug/kg	45.1	50.0	111	73-134	
Bromodichloromethane	ug/kg	45.1	44.4	98	71-135	
Bromoform	ug/kg	45.1	47.0	104	66-141	
Bromomethane	ug/kg	45.1	48.7	108	53-160	
Carbon tetrachloride	ug/kg	45.1	49.8	110	60-145	
Chlorobenzene	ug/kg	45.1	48.8	108	78-130	
Chloroethane	ug/kg	45.1	51.2	113	64-149	
Chloroform	ug/kg	45.1	42.2	94	70-134	
Chloromethane	ug/kg	45.1	42.7	95	52-150	
cis-1,2-Dichloroethene	ug/kg	45.1	47.2	105	70-133	
cis-1,3-Dichloropropene	ug/kg	45.1	48.1	107	68-134	
Dibromochloromethane	ug/kg	45.1	46.3	103	71-138	
Dibromomethane	ug/kg	45.1	50.4	112	74-130	
Dichlorodifluoromethane	ug/kg	45.1	49.6	110	40-160	
Diisopropyl ether	ug/kg	45.1	44.4	98	69-141	
Ethylbenzene	ug/kg	45.1	48.2	107	75-133	
Hexachloro-1,3-butadiene	ug/kg	45.1	51.0	113	68-143	
Isopropylbenzene (Cumene)	ug/kg	45.1	48.5	107	76-143	
m&p-Xylene	ug/kg	90.3	94.9	105	75-136	
Methyl-tert-butyl ether	ug/kg	45.1	47.6	106	68-144	
Methylene Chloride	ug/kg	45.1	35.4	79	45-154	
n-Butylbenzene	ug/kg	45.1	46.7	104	72-137	
n-Propylbenzene	ug/kg	45.1	47.3	105	76-136	
Naphthalene	ug/kg	45.1	47.8	106	68-151	
o-Xylene	ug/kg	45.1	46.4	103	76-141	
p-Isopropyltoluene	ug/kg	45.1	47.3	105	76-140	
sec-Butylbenzene	ug/kg	45.1	47.2	105	79-139	
Styrene	ug/kg	45.1	51.3	114	79-137	
tert-Butylbenzene	ug/kg	45.1	48.1	107	74-143	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

LABORATORY CONTROL SAMPLE: 1433173

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/kg	45.1	52.6	117	71-138	
Toluene	ug/kg	45.1	48.6	108	74-131	
trans-1,2-Dichloroethene	ug/kg	45.1	47.2	105	67-135	
trans-1,3-Dichloropropene	ug/kg	45.1	49.4	110	65-146	
Trichloroethene	ug/kg	45.1	52.9	117	67-135	
Trichlorofluoromethane	ug/kg	45.1	48.7	108	59-144	
Vinyl acetate	ug/kg	90.3	144	159	40-160	
Vinyl chloride	ug/kg	45.1	48.0	106	56-141	
Xylene (Total)	ug/kg	135	141	104	76-137	
1,2-Dichloroethane-d4 (S)	%			99	70-132	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE SAMPLE: 1433548

Parameter	Units	92244869024 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	22	18.0	82	70-130	
1,1,1-Trichloroethane	ug/kg	ND	22	19.7	89	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	ND	22	18.7	85	70-130	
1,1,2-Trichloroethane	ug/kg	ND	22	19.8	90	70-130	
1,1-Dichloroethane	ug/kg	4.8J	22	23.3	84	70-130	
1,1-Dichloroethene	ug/kg	ND	22	19.9	90	49-180	
1,1-Dichloropropene	ug/kg	ND	22	20.0	91	70-130	
1,2,3-Trichlorobenzene	ug/kg	ND	22	19.4	88	70-130	
1,2,3-Trichloropropane	ug/kg	ND	22	18.9	86	70-130	
1,2,4-Trichlorobenzene	ug/kg	ND	22	19.2	87	70-130	
1,2,4-Trimethylbenzene	ug/kg	ND	22	19.2	87	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	ND	22	17.0	77	70-130	
1,2-Dibromoethane (EDB)	ug/kg	ND	22	20.0	91	70-130	
1,2-Dichlorobenzene	ug/kg	ND	22	20.0	91	70-130	
1,2-Dichloroethane	ug/kg	ND	22	19.0	86	70-130	
1,2-Dichloropropane	ug/kg	ND	22	19.2	87	70-130	
1,3,5-Trimethylbenzene	ug/kg	ND	22	19.3	87	70-130	
1,3-Dichlorobenzene	ug/kg	ND	22	19.5	89	70-130	
1,3-Dichloropropane	ug/kg	ND	22	19.1	87	70-130	
1,4-Dichlorobenzene	ug/kg	ND	22	19.3	88	70-130	
2,2-Dichloropropane	ug/kg	ND	22	19.2	87	70-130	
2-Butanone (MEK)	ug/kg	ND	44.1	30.4J	69	70-130 M1	
2-Chlorotoluene	ug/kg	ND	22	19.2	87	70-130	
2-Hexanone	ug/kg	ND	44.1	33.8J	77	70-130	
4-Chlorotoluene	ug/kg	ND	22	19.0	86	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	44.1	34.2J	78	70-130	
Acetone	ug/kg	ND	44.1	33.1J	75	70-130	
Benzene	ug/kg	ND	22	21.3	97	50-166	
Bromobenzene	ug/kg	ND	22	18.7	85	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245059

MATRIX SPIKE SAMPLE: 1433548		92244869024	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromochloromethane	ug/kg	ND	22	20.2	92	70-130	
Bromodichloromethane	ug/kg	ND	22	16.6	75	70-130	
Bromoform	ug/kg	ND	22	15.4	70	70-130	
Bromomethane	ug/kg	ND	22	20.1	91	70-130	
Carbon tetrachloride	ug/kg	ND	22	20.1	91	70-130	
Chlorobenzene	ug/kg	ND	22	19.7	90	43-169	
Chloroethane	ug/kg	ND	22	21.5	97	70-130	
Chloroform	ug/kg	ND	22	17.2	78	70-130	
Chloromethane	ug/kg	ND	22	17.1	78	70-130	
cis-1,2-Dichloroethene	ug/kg	11.8	22	28.6	76	70-130	
cis-1,3-Dichloropropene	ug/kg	ND	22	18.8	85	70-130	
Dibromochloromethane	ug/kg	ND	22	16.4	75	70-130	
Dibromomethane	ug/kg	ND	22	21.4	97	70-130	
Dichlorodifluoromethane	ug/kg	ND	22	18.2	83	70-130	
Diisopropyl ether	ug/kg	ND	22	17.2	78	70-130	
Ethylbenzene	ug/kg	ND	22	19.9	90	70-130	
Hexachloro-1,3-butadiene	ug/kg	ND	22	20.3	92	70-130	
Isopropylbenzene (Cumene)	ug/kg	ND	22	19.8	90	70-130	
m&p-Xylene	ug/kg	ND	44.1	40.6	92	70-130	
Methyl-tert-butyl ether	ug/kg	ND	22	18.7	85	70-130	
Methylene Chloride	ug/kg	ND	22	8.9J	40	70-130	M1
n-Butylbenzene	ug/kg	ND	22	18.6	84	70-130	
n-Propylbenzene	ug/kg	ND	22	18.9	86	70-130	
Naphthalene	ug/kg	ND	22	18.6	84	70-130	
o-Xylene	ug/kg	ND	22	19.7	89	70-130	
p-Isopropyltoluene	ug/kg	ND	22	19.2	87	70-130	
sec-Butylbenzene	ug/kg	ND	22	19.8	90	70-130	
Styrene	ug/kg	ND	22	19.7	90	70-130	
tert-Butylbenzene	ug/kg	ND	22	19.9	90	70-130	
Tetrachloroethene	ug/kg	3.8J	22	22.6	85	70-130	
Toluene	ug/kg	ND	22	20.6	94	52-163	
trans-1,2-Dichloroethene	ug/kg	ND	22	20.5	93	70-130	
trans-1,3-Dichloropropene	ug/kg	ND	22	18.7	85	70-130	
Trichloroethene	ug/kg	ND	22	22.5	102	49-167	
Trichlorofluoromethane	ug/kg	ND	22	20.7	94	70-130	
Vinyl acetate	ug/kg	ND	44.1	63.6	144	70-130	M1
Vinyl chloride	ug/kg	ND	22	18.7	85	70-130	
1,2-Dichloroethane-d4 (S)	%					88	70-132
4-Bromofluorobenzene (S)	%					104	70-130
Toluene-d8 (S)	%					99	70-130

SAMPLE DUPLICATE: 1433547

Parameter	Units	92244869022 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

SAMPLE DUPLICATE: 1433547

Parameter	Units	92244869022 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,2-Trichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	
1,1-Dichloropropene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,3-Trichloropropane	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,4-Trimethylbenzene	ug/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichloroethane	ug/kg	ND	ND		30	
1,2-Dichloropropane	ug/kg	ND	ND		30	
1,3,5-Trimethylbenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	
1,3-Dichloropropane	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
2,2-Dichloropropane	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	ND	ND		30	
2-Chlorotoluene	ug/kg	ND	ND		30	
2-Hexanone	ug/kg	ND	ND		30	
4-Chlorotoluene	ug/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		30	
Acetone	ug/kg	ND	ND		30	
Benzene	ug/kg	ND	ND		30	
Bromobenzene	ug/kg	ND	ND		30	
Bromochloromethane	ug/kg	ND	ND		30	
Bromodichloromethane	ug/kg	ND	ND		30	
Bromoform	ug/kg	ND	ND		30	
Bromomethane	ug/kg	ND	ND		30	
Carbon tetrachloride	ug/kg	ND	ND		30	
Chlorobenzene	ug/kg	ND	ND		30	
Chloroethane	ug/kg	ND	ND		30	
Chloroform	ug/kg	ND	ND		30	
Chloromethane	ug/kg	ND	ND		30	
cis-1,2-Dichloroethene	ug/kg	5.3J	3.7J		30	
cis-1,3-Dichloropropene	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dibromomethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30	
Diisopropyl ether	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	
m&p-Xylene	ug/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

SAMPLE DUPLICATE: 1433547

Parameter	Units	92244869022 Result	Dup Result	RPD	Max RPD	Qualifiers
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	ND	ND		30	
n-Butylbenzene	ug/kg	ND	ND		30	
n-Propylbenzene	ug/kg	ND	ND		30	
Naphthalene	ug/kg	ND	ND		30	
o-Xylene	ug/kg	ND	ND		30	
p-Isopropyltoluene	ug/kg	ND	ND		30	
sec-Butylbenzene	ug/kg	ND	ND		30	
Styrene	ug/kg	ND	ND		30	
tert-Butylbenzene	ug/kg	ND	ND		30	
Tetrachloroethene	ug/kg	2.8J	3.3J		30	
Toluene	ug/kg	ND	ND		30	
trans-1,2-Dichloroethene	ug/kg	ND	ND		30	
trans-1,3-Dichloropropene	ug/kg	ND	ND		30	
Trichloroethene	ug/kg	ND	ND		30	
Trichlorofluoromethane	ug/kg	ND	ND		30	
Vinyl acetate	ug/kg	ND	ND		30	
Vinyl chloride	ug/kg	ND	ND		30	
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	117	98	15		
4-Bromofluorobenzene (S)	%	105	105	4		
Toluene-d8 (S)	%	104	106	6		

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245059

QC Batch: OEXT/34242 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 3546 Analysis Description: 8015 Solid GCSV
Associated Lab Samples: 92245059001, 92245059002

METHOD BLANK: 1433593 Matrix: Solid
Associated Lab Samples: 92245059001, 92245059002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics(C10-C28)	mg/kg	ND	5.0	04/17/15 22:03	
n-Pentacosane (S)	%	66	41-119	04/17/15 22:03	

LABORATORY CONTROL SAMPLE: 1433594

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Range Organics(C10-C28)	mg/kg	66.7	46.2	69	49-113	
n-Pentacosane (S)	%			68	41-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1433595 1433596

Parameter	Units	92244995026		1433595		1433596		% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Diesel Range Organics(C10-C28)	mg/kg	ND	82.1	82.1	55.2	53.7	64	63	10-146	3	30	
n-Pentacosane (S)	%						68	66	41-119			

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

QC Batch: OEXT/34306 Analysis Method: EPA 8015 Modified
 QC Batch Method: EPA 3546 Analysis Description: 8015 Solid GCSV ORO
 Associated Lab Samples: 92245059001, 92245059002

METHOD BLANK: 1435820 Matrix: Solid

Associated Lab Samples: 92245059001, 92245059002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil Range Organics (C28-C40)	mg/kg	ND	15.0	04/19/15 21:12	
n-Pentacosane (S)	%	82	41-119	04/19/15 21:12	

LABORATORY CONTROL SAMPLE: 1435821

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil Range Organics (C28-C40)	mg/kg	83.3	78.7	94	50-150	
n-Pentacosane (S)	%			84	41-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1435822 1435823

Parameter	Units	92244992007		1435822		1435823		% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec				
Oil Range Organics (C28-C40)	mg/kg	ND	97	97	90.3	90.9	91	92	10-150	1	30
n-Pentacosane (S)	%						82	83	41-119		

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

QC Batch: OEXT/34277 Analysis Method: EPA 8082
 QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
 Associated Lab Samples: 92245059001, 92245059002

METHOD BLANK: 1434756 Matrix: Solid

Associated Lab Samples: 92245059001, 92245059002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	33.0	04/15/15 13:49	
PCB-1221 (Aroclor 1221)	ug/kg	ND	33.0	04/15/15 13:49	
PCB-1232 (Aroclor 1232)	ug/kg	ND	33.0	04/15/15 13:49	
PCB-1242 (Aroclor 1242)	ug/kg	ND	33.0	04/15/15 13:49	
PCB-1248 (Aroclor 1248)	ug/kg	ND	33.0	04/15/15 13:49	
PCB-1254 (Aroclor 1254)	ug/kg	ND	33.0	04/15/15 13:49	
PCB-1260 (Aroclor 1260)	ug/kg	ND	33.0	04/15/15 13:49	
Decachlorobiphenyl (S)	%	104	21-132	04/15/15 13:49	

LABORATORY CONTROL SAMPLE & LCSD: 1434757 1434758

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	128	126	77	76	31-120	1	30	
PCB-1260 (Aroclor 1260)	ug/kg	167	153	147	92	88	32-120	4	30	
Decachlorobiphenyl (S)	%				104	100	21-132			

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

QC Batch: OEXT/34259

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 Solid MSSV Microwave PAH

Associated Lab Samples: 92245059001, 92245059002

METHOD BLANK: 1433947

Matrix: Solid

Associated Lab Samples: 92245059001, 92245059002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	330	04/16/15 14:49	
2-Methylnaphthalene	ug/kg	ND	330	04/16/15 14:49	
Acenaphthene	ug/kg	ND	330	04/16/15 14:49	
Acenaphthylene	ug/kg	ND	330	04/16/15 14:49	
Anthracene	ug/kg	ND	330	04/16/15 14:49	
Benzo(a)anthracene	ug/kg	ND	330	04/16/15 14:49	
Benzo(a)pyrene	ug/kg	ND	330	04/16/15 14:49	
Benzo(b)fluoranthene	ug/kg	ND	330	04/16/15 14:49	
Benzo(g,h,i)perylene	ug/kg	ND	330	04/16/15 14:49	
Benzo(k)fluoranthene	ug/kg	ND	330	04/16/15 14:49	
Chrysene	ug/kg	ND	330	04/16/15 14:49	
Dibenz(a,h)anthracene	ug/kg	ND	330	04/16/15 14:49	
Fluoranthene	ug/kg	ND	330	04/16/15 14:49	
Fluorene	ug/kg	ND	330	04/16/15 14:49	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	04/16/15 14:49	
Naphthalene	ug/kg	ND	330	04/16/15 14:49	
Phenanthrene	ug/kg	ND	330	04/16/15 14:49	
Pyrene	ug/kg	ND	330	04/16/15 14:49	
2-Fluorobiphenyl (S)	%	58	30-110	04/16/15 14:49	
Nitrobenzene-d5 (S)	%	51	23-110	04/16/15 14:49	
Terphenyl-d14 (S)	%	74	28-110	04/16/15 14:49	

LABORATORY CONTROL SAMPLE: 1433948

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	1670	1050	63	40-120	
2-Methylnaphthalene	ug/kg	1670	941	56	26-120	
Acenaphthene	ug/kg	1670	1120	67	46-120	
Acenaphthylene	ug/kg	1670	1100	66	46-120	
Anthracene	ug/kg	1670	1160	70	63-120	
Benzo(a)anthracene	ug/kg	1670	1050	63	61-120	
Benzo(a)pyrene	ug/kg	1670	1100	66	59-120	
Benzo(b)fluoranthene	ug/kg	1670	1070	64	55-120	
Benzo(g,h,i)perylene	ug/kg	1670	1220	73	57-120	
Benzo(k)fluoranthene	ug/kg	1670	1070	64	56-120	
Chrysene	ug/kg	1670	1100	66	64-120	
Dibenz(a,h)anthracene	ug/kg	1670	1240	75	56-120	
Fluoranthene	ug/kg	1670	1220	73	61-120	
Fluorene	ug/kg	1670	1200	72	51-120	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1190	71	58-120	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

LABORATORY CONTROL SAMPLE: 1433948

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	1670	965	58	38-120	
Phenanthrene	ug/kg	1670	1180	71	62-120	
Pyrene	ug/kg	1670	1010	61	63-120	L0
2-Fluorobiphenyl (S)	%			58	30-110	
Nitrobenzene-d5 (S)	%			55	23-110	
Terphenyl-d14 (S)	%			64	28-110	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

QC Batch: PMST/7727

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 92245059001, 92245059002

SAMPLE DUPLICATE: 1433770

Parameter	Units	92244477001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.8	27.6	28	25	R1

SAMPLE DUPLICATE: 1433771

Parameter	Units	92245009001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.4	8.6	1	25	

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QUALIFIERS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether, Styrene, and Vinyl chloride.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-A Pace Analytical Services - Asheville

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

- 1g The internal standard response is below criteria. No hits associated with this internal standard. Results unaffected by high bias.
- D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
- L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
- M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
- P3 Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.
- R1 RPD value was outside control limits.
- S4 Surrogate recovery not evaluated against control limits due to sample dilution.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245059

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92245059001	GTW-605-802-9-1	EPA 3546	OEXT/34242	EPA 8015 Modified	GCSV/20984
92245059002	GTW-605-802-6-1	EPA 3546	OEXT/34242	EPA 8015 Modified	GCSV/20984
92245059001	GTW-605-802-9-1	EPA 3546	OEXT/34306	EPA 8015 Modified	GCSV/20976
92245059002	GTW-605-802-6-1	EPA 3546	OEXT/34306	EPA 8015 Modified	GCSV/20976
92245059001	GTW-605-802-9-1	EPA 3546	OEXT/34277	EPA 8082	GCSV/20963
92245059002	GTW-605-802-6-1	EPA 3546	OEXT/34277	EPA 8082	GCSV/20963
92245059001	GTW-605-802-9-1	EPA 5035A/5030B	GCV/9200	EPA 8015 Modified	GCV/9204
92245059002	GTW-605-802-6-1	EPA 5035A/5030B	GCV/9200	EPA 8015 Modified	GCV/9204
92245059001	GTW-605-802-9-1	EPA 3050	MPRP/18291	EPA 6010	ICP/16424
92245059002	GTW-605-802-6-1	EPA 3050	MPRP/18291	EPA 6010	ICP/16424
92245059001	GTW-605-802-9-1	EPA 7471	MERP/7748	EPA 7471	MERC/7432
92245059002	GTW-605-802-6-1	EPA 7471	MERP/7748	EPA 7471	MERC/7432
92245059001	GTW-605-802-9-1	EPA 3546	OEXT/34259	EPA 8270	MSSV/10544
92245059002	GTW-605-802-6-1	EPA 3546	OEXT/34259	EPA 8270	MSSV/10544
92245059001	GTW-605-802-9-1	EPA 8260	MSV/31175		
92245059002	GTW-605-802-6-1	EPA 8260	MSV/31175		
92245059001	GTW-605-802-9-1	ASTM D2974-87	PMST/7727		
92245059002	GTW-605-802-6-1	ASTM D2974-87	PMST/7727		

REPORT OF LABORATORY ANALYSIS

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Document Name:
Sample Condition Upon Receipt (SCUR)

Document Revised: September 22, 2014
Page 1 of 2

Document Number:
F-CHR-CS-003-rev.15

Issuing Authority:
Pace Huntersville Quality Office

Client Name: Haley Kelly Aldrich

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble V ip Bubble Bags None Other _____

Thermometer Used: IR Gun T1401 Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Temp Correction Factor T1401 No Correction

Corrected Cooler Temp.: 3.4 °C Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Optional
Proj. Due Date
Proj. Name

Date and Initials of person examining contents: AL 4/10/15

		Comments:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / I / N

Person Contacted: Dana Korman Date/Time: 4/10 + 4/16

Comments/ Resolution: Confirm SRF/Parameters

SCURF Review:	<u>AK</u>	Date:	<u>04/10/15</u>
SRF Review:	<u>MS</u>	Date:	<u>04/13/15</u>

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

WO# : 92245059



92245059

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.



Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Haley + Aldrich	Report To: Pave Schoenwolf (p.schoenwolf@haleyaldrich.com)	Attention: Accounts Payable	Company Name: Haley + Aldrich	Page: _____ of _____	1907012
Address: 7926 Jones Branch	Copy To: Dana Kennard	Company Address: 70 Blanchard Rd. Suite 204	Address: 70 Blanchard Rd. Suite 204	REGULATORY AGENCY	
Client: Mullen VA	Project Name: Buzzard Point	Reference: Nicole Benjamin	Reference: Nicole Benjamin	<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER _____	
Phone: 703-336-6206	Project Number: 40223-002	Project Manager: Nicole Benjamin	Project Manager: Nicole Benjamin	Site Location STATE: Washington DC	
Requested Due Date/TAT: STD					

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	# OF CONTAINERS	Preservatives		Requested Analysis Filtered (Y/N)	Temp in °C	Received on	Custody	Sealed Cooler	Samples Intact
			COMPOSITE START	COMPOSITE END/GRAB				H ₂ SO ₄	HNO ₃						
1	GTW-605-802-9-1	Drinking Water	DATE: 4/9/15	TIME: 9:00	G	SLG	115	Unpreserved	Analysis Test ↑	X	10:30	4/9/15	Margaret King	4/9/15	10:30
2	GTW-605-802-0-1	Drinking Water	DATE: 4/9/15	TIME: 13:15	G	SLG	115	Unpreserved	Analysis Test ↑	X	10:30	4/9/15	Margaret King	4/9/15	10:30
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															

ADDITIONAL COMMENTS: **Also extra unused VOA bottles (4)**

RELINQUISHED BY / AFFILIATION: **Margaret King**
 DATE: **4/9/15**
 TIME: **10:30**

ACCEPTED BY / AFFILIATION: **Margaret King**
 DATE: **4/9/15**
 TIME: **10:30**

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: **Margaret King**
 SIGNATURE of SAMPLER: *Margaret King*
 DATE Signed (MM/DD/YYYY): **04/09/15**

May 27, 2015

Dana Kennard
Haley & Aldrich, Inc

RE: Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

Dear Dana Kennard:

Enclosed are the analytical results for sample(s) received by the laboratory on April 11, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

This report was revised to report down to the MDL for all parameters.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Nicole Benjamin
nicole.benjamin@pacelabs.com
Project Manager

Enclosures

cc: Karin Holland
Pam Minor



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

Asheville Certification IDs

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92245073001	GSS-603-800-1-1	Solid	04/10/15 08:00	04/11/15 09:00
92245073002	GSS-603-800-1-2	Solid	04/10/15 08:15	04/11/15 09:00
92245073003	GSS-603-800-3-1	Solid	04/10/15 08:45	04/11/15 09:00
92245073004	GSS-603-800-3-2	Solid	04/10/15 09:00	04/11/15 09:00
92245073005	GSS-603-800-2-1	Solid	04/10/15 09:15	04/11/15 09:00
92245073006	GSS-603-800-2-2	Solid	04/10/15 09:30	04/11/15 09:00
92245073007	GTW-605-802-7-1	Solid	04/10/15 09:45	04/11/15 09:00
92245073008	GTW-605-802-6-2	Water	04/10/15 12:40	04/11/15 09:00
92245073009	GTW-605-802-9-2	Water	04/10/15 12:55	04/11/15 09:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92245073001	GSS-603-800-1-1	EPA 8015 Modified	CMI	2	PASI-C
		EPA 8015 Modified	CMI	2	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8015 Modified	BFW	2	PASI-C
		EPA 6010	JMW	22	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	BPJ	21	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	EJK	1	PASI-C
92245073002	GSS-603-800-1-2	EPA 8015 Modified	CMI	2	PASI-C
		EPA 8015 Modified	CMI	2	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8015 Modified	BFW	2	PASI-C
		EPA 6010	JMW	22	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	BPJ	21	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	EJK	1	PASI-C
92245073003	GSS-603-800-3-1	EPA 8015 Modified	CMI	2	PASI-C
		EPA 8015 Modified	CMI	2	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8015 Modified	BFW	2	PASI-C
		EPA 6010	JMW	22	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	BPJ	21	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	EJK	1	PASI-C
92245073004	GSS-603-800-3-2	EPA 8015 Modified	CMI	2	PASI-C
		EPA 8015 Modified	CMI	2	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8015 Modified	BFW	2	PASI-C
		EPA 6010	JMW	22	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	BPJ	21	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	EJK	1	PASI-C
92245073005	GSS-603-800-2-1	EPA 8015 Modified	CMI	2	PASI-C

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8015 Modified	CMI	2	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8015 Modified	BFW	2	PASI-C
		EPA 6010	JMW	22	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	BPJ	21	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92245073006	GSS-603-800-2-2	EPA 8015 Modified	CMI	2	PASI-C
		EPA 8015 Modified	CMI	2	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8015 Modified	BFW	2	PASI-C
		EPA 6010	JMW	22	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	BPJ	21	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92245073007	GTW-605-802-7-1	EPA 8015 Modified	CMI	2	PASI-C
		EPA 8015 Modified	CMI	2	PASI-C
		EPA 8082	RES	8	PASI-C
		EPA 8015 Modified	BFW	2	PASI-C
		EPA 6010	JMW	22	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8270	BPJ	21	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92245073008	GTW-605-802-6-2	EPA 5030/8015 Mod.	BFW	2	PASI-C
		EPA 8260	GAW	63	PASI-C
92245073009	GTW-605-802-9-2	EPA 8015 Modified	CMI	2	PASI-C
		EPA 8015 Modified	CMI	2	PASI-C
		EPA 5030/8015 Mod.	BFW	2	PASI-C
		EPA 6010	JMW	22	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 8270	BPJ	74	PASI-C
		EPA 8260	GAW	63	PASI-C

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92245073001	GSS-603-800-1-1					
EPA 8015 Modified	Diesel Range Organics(C10-C28)	49.9	mg/kg	5.6	04/17/15 05:45	
EPA 8015 Modified	Oil Range Organics (C28-C40)	166	mg/kg	16.9	04/16/15 23:25	
EPA 6010	Aluminum	7830	mg/kg	10.4	04/15/15 15:44	
EPA 6010	Antimony	1.7	mg/kg	0.52	04/15/15 15:44	
EPA 6010	Arsenic	10.7	mg/kg	1.0	04/15/15 15:44	
EPA 6010	Barium	233	mg/kg	0.52	04/15/15 15:44	
EPA 6010	Beryllium	0.62	mg/kg	0.10	04/15/15 15:44	
EPA 6010	Cadmium	1.2	mg/kg	0.10	04/15/15 15:44	
EPA 6010	Calcium	8370	mg/kg	10.4	04/15/15 15:44	
EPA 6010	Chromium	16.0	mg/kg	0.52	04/15/15 15:44	
EPA 6010	Cobalt	5.3	mg/kg	0.52	04/15/15 15:44	
EPA 6010	Copper	67.4	mg/kg	0.52	04/15/15 15:44	
EPA 6010	Iron	13100	mg/kg	209	04/16/15 12:34	
EPA 6010	Lead	157	mg/kg	0.52	04/15/15 15:44	
EPA 6010	Magnesium	736	mg/kg	10.4	04/15/15 15:44	
EPA 6010	Manganese	1020	mg/kg	0.52	04/15/15 15:44	
EPA 6010	Nickel	16.0	mg/kg	0.52	04/15/15 15:44	
EPA 6010	Potassium	670	mg/kg	521	04/15/15 15:44	
EPA 6010	Silver	0.50J	mg/kg	0.52	04/15/15 15:44	
EPA 6010	Sodium	279J	mg/kg	521	04/15/15 15:44	
EPA 6010	Vanadium	25.2	mg/kg	0.52	04/15/15 15:44	
EPA 6010	Zinc	339	mg/kg	1.0	04/15/15 15:44	
EPA 7471	Mercury	0.16	mg/kg	0.020	04/17/15 16:29	
EPA 8270	Benzo(a)anthracene	773J	ug/kg	3720	04/21/15 19:37	
EPA 8270	Benzo(a)pyrene	849J	ug/kg	3720	04/21/15 19:37	
EPA 8270	Benzo(b)fluoranthene	698J	ug/kg	3720	04/21/15 19:37	
EPA 8270	Chrysene	819J	ug/kg	3720	04/21/15 19:37	
EPA 8270	Fluoranthene	1560J	ug/kg	3720	04/21/15 19:37	
EPA 8270	Phenanthrene	901J	ug/kg	3720	04/21/15 19:37	
EPA 8270	Pyrene	1110J	ug/kg	3720	04/21/15 19:37	
EPA 8260	Acetone	68.0J	ug/kg	165	04/15/15 19:19	
ASTM D2974-87	Percent Moisture	11.2	%	0.10	04/14/15 18:21	
92245073002	GSS-603-800-1-2					
EPA 8015 Modified	Diesel Range Organics(C10-C28)	74.0	mg/kg	6.9	04/17/15 06:09	
EPA 8015 Modified	Oil Range Organics (C28-C40)	191	mg/kg	20.8	04/16/15 23:49	
EPA 6010	Aluminum	6220	mg/kg	13.3	04/15/15 15:47	
EPA 6010	Antimony	2.9	mg/kg	0.67	04/15/15 15:47	
EPA 6010	Arsenic	19.3	mg/kg	1.3	04/15/15 15:47	
EPA 6010	Barium	301	mg/kg	0.67	04/15/15 15:47	
EPA 6010	Beryllium	0.75	mg/kg	0.13	04/15/15 15:47	
EPA 6010	Cadmium	0.56	mg/kg	0.13	04/15/15 15:47	
EPA 6010	Calcium	8800	mg/kg	13.3	04/15/15 15:47	
EPA 6010	Chromium	13.2	mg/kg	0.67	04/15/15 15:47	
EPA 6010	Cobalt	6.5	mg/kg	0.67	04/15/15 15:47	
EPA 6010	Copper	56.6	mg/kg	0.67	04/15/15 15:47	
EPA 6010	Iron	33100	mg/kg	266	04/16/15 12:37	
EPA 6010	Lead	583	mg/kg	0.67	04/15/15 15:47	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92245073002	GSS-603-800-1-2					
EPA 6010	Magnesium	942	mg/kg	13.3	04/15/15 15:47	
EPA 6010	Manganese	210	mg/kg	0.67	04/15/15 15:47	
EPA 6010	Nickel	14.7	mg/kg	0.67	04/15/15 15:47	
EPA 6010	Potassium	871	mg/kg	666	04/15/15 15:47	
EPA 6010	Silver	0.89	mg/kg	0.67	04/15/15 15:47	
EPA 6010	Sodium	373J	mg/kg	666	04/15/15 15:47	
EPA 6010	Vanadium	25.7	mg/kg	0.67	04/15/15 15:47	
EPA 6010	Zinc	313	mg/kg	1.3	04/15/15 15:47	
EPA 7471	Mercury	0.64	mg/kg	0.051	04/17/15 16:32	
EPA 8270	Benzo(a)anthracene	1110J	ug/kg	4570	04/21/15 20:04	
EPA 8270	Benzo(a)pyrene	1190J	ug/kg	4570	04/21/15 20:04	
EPA 8270	Benzo(b)fluoranthene	1130J	ug/kg	4570	04/21/15 20:04	
EPA 8270	Chrysene	1410J	ug/kg	4570	04/21/15 20:04	
EPA 8270	Fluoranthene	2400J	ug/kg	4570	04/21/15 20:04	
EPA 8270	Phenanthrene	1950J	ug/kg	4570	04/21/15 20:04	
EPA 8270	Pyrene	1870J	ug/kg	4570	04/21/15 20:04	
ASTM D2974-87	Percent Moisture	27.8	%	0.10	04/14/15 18:21	
92245073003	GSS-603-800-3-1					
EPA 8015 Modified	Diesel Range Organics(C10-C28)	27.1	mg/kg	6.5	04/17/15 06:09	
EPA 8015 Modified	Oil Range Organics (C28-C40)	22.4	mg/kg	19.5	04/16/15 20:38	
EPA 6010	Aluminum	4470	mg/kg	12.5	04/15/15 15:50	
EPA 6010	Antimony	0.61J	mg/kg	0.62	04/15/15 15:50	
EPA 6010	Arsenic	9.6	mg/kg	1.2	04/15/15 15:50	
EPA 6010	Barium	150	mg/kg	0.62	04/15/15 15:50	
EPA 6010	Beryllium	0.48	mg/kg	0.12	04/15/15 15:50	
EPA 6010	Cadmium	0.39	mg/kg	0.12	04/15/15 15:50	
EPA 6010	Calcium	4430	mg/kg	12.5	04/15/15 15:50	
EPA 6010	Chromium	7.9	mg/kg	0.62	04/15/15 15:50	
EPA 6010	Cobalt	4.1	mg/kg	0.62	04/15/15 15:50	
EPA 6010	Copper	50.0	mg/kg	0.62	04/15/15 15:50	
EPA 6010	Iron	2980	mg/kg	12.5	04/15/15 15:50	
EPA 6010	Lead	79.1	mg/kg	0.62	04/15/15 15:50	
EPA 6010	Magnesium	345	mg/kg	12.5	04/15/15 15:50	
EPA 6010	Manganese	66.0	mg/kg	0.62	04/15/15 15:50	
EPA 6010	Nickel	9.2	mg/kg	0.62	04/15/15 15:50	
EPA 6010	Potassium	894	mg/kg	624	04/15/15 15:50	
EPA 6010	Selenium	0.76J	mg/kg	1.2	04/15/15 15:50	
EPA 6010	Vanadium	23.0	mg/kg	0.62	04/15/15 15:50	
EPA 6010	Zinc	148	mg/kg	1.2	04/15/15 15:50	
EPA 7471	Mercury	0.071	mg/kg	0.0057	04/17/15 15:41	
EPA 8270	Fluoranthene	656J	ug/kg	4280	04/21/15 20:32	
EPA 8260	Acetone	77.7J	ug/kg	313	04/15/15 19:39	
ASTM D2974-87	Percent Moisture	22.9	%	0.10	04/14/15 18:21	
92245073004	GSS-603-800-3-2					
EPA 8015 Modified	Diesel Range Organics(C10-C28)	85.2	mg/kg	5.9	04/17/15 06:33	
EPA 8015 Modified	Oil Range Organics (C28-C40)	109	mg/kg	17.8	04/16/15 21:02	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92245073004	GSS-603-800-3-2					
EPA 6010	Aluminum	3420	mg/kg	9.7	04/15/15 15:53	
EPA 6010	Antimony	2.4	mg/kg	0.49	04/15/15 15:53	
EPA 6010	Arsenic	17.6	mg/kg	0.97	04/15/15 15:53	
EPA 6010	Barium	126	mg/kg	0.49	04/15/15 15:53	
EPA 6010	Beryllium	0.24	mg/kg	0.097	04/15/15 15:53	
EPA 6010	Cadmium	0.54	mg/kg	0.097	04/15/15 15:53	
EPA 6010	Calcium	6950	mg/kg	9.7	04/15/15 15:53	
EPA 6010	Chromium	13.9	mg/kg	0.49	04/15/15 15:53	
EPA 6010	Cobalt	5.4	mg/kg	0.49	04/15/15 15:53	
EPA 6010	Copper	67.4	mg/kg	0.49	04/15/15 15:53	
EPA 6010	Iron	19800	mg/kg	194	04/16/15 12:40	
EPA 6010	Lead	500	mg/kg	0.49	04/15/15 15:53	
EPA 6010	Magnesium	1160	mg/kg	9.7	04/15/15 15:53	
EPA 6010	Manganese	165	mg/kg	0.49	04/15/15 15:53	
EPA 6010	Nickel	12.6	mg/kg	0.49	04/15/15 15:53	
EPA 6010	Potassium	551	mg/kg	485	04/15/15 15:53	
EPA 6010	Silver	0.53	mg/kg	0.49	04/15/15 15:53	
EPA 6010	Vanadium	15.8	mg/kg	0.49	04/15/15 15:53	
EPA 6010	Zinc	518	mg/kg	0.97	04/15/15 15:53	
EPA 7471	Mercury	0.42	mg/kg	0.044	04/17/15 16:35	
EPA 8260	Acetone	53.5J	ug/kg	97.2	04/15/15 19:58	
ASTM D2974-87	Percent Moisture	15.6	%	0.10	04/14/15 18:21	
92245073005	GSS-603-800-2-1					
EPA 8015 Modified	Diesel Range Organics(C10-C28)	67.0	mg/kg	6.2	04/17/15 06:33	
EPA 8015 Modified	Oil Range Organics (C28-C40)	133	mg/kg	18.5	04/16/15 21:26	
EPA 6010	Aluminum	4660	mg/kg	11.2	04/20/15 14:15	
EPA 6010	Antimony	1.4	mg/kg	0.56	04/20/15 14:15	
EPA 6010	Arsenic	16.0	mg/kg	1.1	04/20/15 14:15	
EPA 6010	Barium	211	mg/kg	0.56	04/20/15 14:15	
EPA 6010	Beryllium	0.55	mg/kg	0.11	04/20/15 14:15	
EPA 6010	Cadmium	2.1	mg/kg	0.11	04/20/15 14:15	
EPA 6010	Calcium	10800	mg/kg	11.2	04/20/15 14:15	
EPA 6010	Chromium	25.2	mg/kg	0.56	04/20/15 14:15	
EPA 6010	Cobalt	6.4	mg/kg	0.56	04/20/15 14:15	
EPA 6010	Copper	211	mg/kg	0.56	04/20/15 14:15	
EPA 6010	Iron	65800	mg/kg	224	04/20/15 14:36	
EPA 6010	Lead	333	mg/kg	0.56	04/20/15 14:15	
EPA 6010	Magnesium	508	mg/kg	11.2	04/20/15 14:15	
EPA 6010	Manganese	190	mg/kg	0.56	04/20/15 14:15	
EPA 6010	Nickel	40.1	mg/kg	0.56	04/20/15 14:15	
EPA 6010	Potassium	1040	mg/kg	561	04/20/15 14:15	
EPA 6010	Silver	1.4	mg/kg	0.56	04/20/15 14:15	
EPA 6010	Vanadium	33.2	mg/kg	0.56	04/20/15 14:15	
EPA 6010	Zinc	712	mg/kg	1.1	04/20/15 14:15	
EPA 7471	Mercury	0.30	mg/kg	0.058	04/17/15 13:08	
EPA 8270	Chrysene	631J	ug/kg	4070	04/21/15 21:28	
EPA 8270	Fluoranthene	1330J	ug/kg	4070	04/21/15 21:28	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92245073005	GSS-603-800-2-1					
EPA 8270	Phenanthrene	995J	ug/kg	4070	04/21/15 21:28	
EPA 8270	Pyrene	906J	ug/kg	4070	04/21/15 21:28	
EPA 8260	Acetone	74.2J	ug/kg	200	04/14/15 21:28	
EPA 8260	Methylene Chloride	55.9	ug/kg	40.0	04/14/15 21:28	C9
ASTM D2974-87	Percent Moisture	19.0	%	0.10	04/16/15 10:41	
92245073006	GSS-603-800-2-2					
EPA 8015 Modified	Diesel Range Organics(C10-C28)	28.8	mg/kg	6.4	04/17/15 06:57	
EPA 8015 Modified	Oil Range Organics (C28-C40)	30.6	mg/kg	19.3	04/16/15 21:50	
EPA 6010	Aluminum	7370	mg/kg	11.1	04/15/15 16:05	
EPA 6010	Antimony	3.6	mg/kg	0.55	04/15/15 16:05	
EPA 6010	Arsenic	23.3	mg/kg	1.1	04/15/15 16:05	
EPA 6010	Barium	487	mg/kg	0.55	04/15/15 16:05	
EPA 6010	Beryllium	0.49	mg/kg	0.11	04/15/15 16:05	
EPA 6010	Cadmium	2.4	mg/kg	0.11	04/15/15 16:05	
EPA 6010	Calcium	78200	mg/kg	222	04/16/15 12:43	
EPA 6010	Chromium	17.6	mg/kg	0.55	04/15/15 16:05	
EPA 6010	Cobalt	8.0	mg/kg	0.55	04/15/15 16:05	
EPA 6010	Copper	60.8	mg/kg	0.55	04/15/15 16:05	
EPA 6010	Iron	7550	mg/kg	11.1	04/15/15 16:05	
EPA 6010	Lead	640	mg/kg	0.55	04/15/15 16:05	
EPA 6010	Magnesium	934	mg/kg	11.1	04/15/15 16:05	
EPA 6010	Manganese	364	mg/kg	0.55	04/15/15 16:05	
EPA 6010	Nickel	18.6	mg/kg	0.55	04/15/15 16:05	
EPA 6010	Potassium	1090	mg/kg	554	04/15/15 16:05	
EPA 6010	Selenium	5.1	mg/kg	1.1	04/15/15 16:05	
EPA 6010	Silver	1.4	mg/kg	0.55	04/15/15 16:05	
EPA 6010	Sodium	1600	mg/kg	554	04/15/15 16:05	
EPA 6010	Vanadium	30.1	mg/kg	0.55	04/15/15 16:05	
EPA 6010	Zinc	1690	mg/kg	22.2	04/16/15 12:43	
EPA 7471	Mercury	0.093	mg/kg	0.0047	04/17/15 15:54	
EPA 8260	Methylene Chloride	13.4J	ug/kg	38.9	04/14/15 21:48	
ASTM D2974-87	Percent Moisture	22.3	%	0.10	04/16/15 10:41	
92245073007	GTW-605-802-7-1					
EPA 8015 Modified	Diesel Range Organics(C10-C28)	299	mg/kg	6.4	04/17/15 06:57	
EPA 8015 Modified	Oil Range Organics (C28-C40)	319	mg/kg	19.3	04/16/15 22:13	
EPA 8015 Modified	Gas Range Organics (C6-C10)	10.7	mg/kg	7.7	04/15/15 23:51	
EPA 6010	Aluminum	4400	mg/kg	11.9	04/15/15 16:09	
EPA 6010	Antimony	2.4	mg/kg	0.60	04/15/15 16:09	
EPA 6010	Arsenic	3.9	mg/kg	1.2	04/15/15 16:09	
EPA 6010	Barium	53.2	mg/kg	0.60	04/15/15 16:09	
EPA 6010	Beryllium	0.91	mg/kg	0.12	04/15/15 16:09	
EPA 6010	Cadmium	0.25	mg/kg	0.12	04/15/15 16:09	
EPA 6010	Calcium	4120	mg/kg	11.9	04/15/15 16:09	
EPA 6010	Chromium	9.8	mg/kg	0.60	04/15/15 16:09	
EPA 6010	Cobalt	3.9	mg/kg	0.60	04/15/15 16:09	
EPA 6010	Copper	53.1	mg/kg	0.60	04/15/15 16:09	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92245073007	GTW-605-802-7-1					
EPA 6010	Iron	14700	mg/kg	238	04/16/15 12:46	
EPA 6010	Lead	62.1	mg/kg	0.60	04/15/15 16:09	
EPA 6010	Magnesium	392	mg/kg	11.9	04/15/15 16:09	
EPA 6010	Manganese	57.6	mg/kg	0.60	04/15/15 16:09	
EPA 6010	Nickel	9.6	mg/kg	0.60	04/15/15 16:09	
EPA 6010	Silver	0.73	mg/kg	0.60	04/15/15 16:09	
EPA 6010	Vanadium	19.8	mg/kg	0.60	04/15/15 16:09	
EPA 6010	Zinc	41.7	mg/kg	1.2	04/15/15 16:09	
EPA 7471	Mercury	0.021	mg/kg	0.0055	04/17/15 15:58	
EPA 8270	1-Methylnaphthalene	2840J	ug/kg	6370	04/21/15 22:24	
EPA 8270	2-Methylnaphthalene	3420J	ug/kg	6370	04/21/15 22:24	
EPA 8270	Naphthalene	2750J	ug/kg	6370	04/21/15 22:24	
EPA 8270	Phenanthrene	1670J	ug/kg	6370	04/21/15 22:24	
EPA 8260	Acetone	173J	ug/kg	193	04/15/15 20:38	
EPA 8260	Methylene Chloride	21.6J	ug/kg	38.5	04/15/15 20:38	
ASTM D2974-87	Percent Moisture	22.3	%	0.10	04/16/15 10:41	
92245073008	GTW-605-802-6-2					
EPA 8260	Methylene Chloride	42.4	ug/L	20.0	04/17/15 18:20	
92245073009	GTW-605-802-9-2					
EPA 6010	Aluminum	24300	ug/L	100	04/15/15 20:56	
EPA 6010	Antimony	6.9	ug/L	5.0	04/15/15 20:56	
EPA 6010	Arsenic	10.6	ug/L	10.0	04/15/15 20:56	
EPA 6010	Barium	359	ug/L	5.0	04/15/15 20:56	
EPA 6010	Beryllium	1.5	ug/L	1.0	04/15/15 20:56	
EPA 6010	Cadmium	1.3	ug/L	1.0	04/15/15 20:56	
EPA 6010	Calcium	125000	ug/L	1000	04/16/15 12:28	
EPA 6010	Chromium	41.6	ug/L	5.0	04/15/15 20:56	
EPA 6010	Cobalt	82.2	ug/L	5.0	04/15/15 20:56	
EPA 6010	Copper	42.2	ug/L	5.0	04/15/15 20:56	
EPA 6010	Iron	45600	ug/L	50.0	04/15/15 20:56	
EPA 6010	Lead	30.2	ug/L	5.0	04/15/15 20:56	
EPA 6010	Magnesium	73900	ug/L	100	04/15/15 20:56	
EPA 6010	Manganese	17600	ug/L	50.0	04/16/15 12:28	
EPA 6010	Nickel	41.6	ug/L	5.0	04/15/15 20:56	
EPA 6010	Potassium	8780	ug/L	5000	04/15/15 20:56	
EPA 6010	Silver	3.9J	ug/L	5.0	04/15/15 20:56	
EPA 6010	Sodium	411000	ug/L	50000	04/16/15 12:28	
EPA 6010	Vanadium	69.8	ug/L	5.0	04/15/15 20:56	
EPA 6010	Zinc	107	ug/L	10.0	04/15/15 20:56	
EPA 8260	Methylene Chloride	11.7J	ug/L	20.0	04/17/15 18:38	
EPA 8260	Methyl-tert-butyl ether	9.9J	ug/L	10.0	04/17/15 18:38	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

Sample: **GSS-603-800-1-1** Lab ID: **92245073001** Collected: 04/10/15 08:00 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel									
Analytical Method: EPA 8015 Modified					Preparation Method: EPA 3546				
Diesel Range Organics(C10-C28)	49.9	mg/kg	5.6	5.1	1	04/15/15 16:45	04/17/15 05:45		
Surrogates									
n-Pentacosane (S)	71	%	41-119		1	04/15/15 16:45	04/17/15 05:45	629-99-2	
8015 GCS THC-ORO									
Analytical Method: EPA 8015 Modified					Preparation Method: EPA 3546				
Oil Range Organics (C28-C40)	166	mg/kg	16.9	12.4	1	04/15/15 18:12	04/16/15 23:25		
Surrogates									
n-Pentacosane (S)	93	%	41-119		1	04/15/15 18:12	04/16/15 23:25	629-99-2	
8082 GCS PCB									
Analytical Method: EPA 8082					Preparation Method: EPA 3546				
PCB-1016 (Aroclor 1016)	ND	ug/kg	372	169	10	04/16/15 16:44	04/17/15 20:09	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	372	169	10	04/16/15 16:44	04/17/15 20:09	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	372	169	10	04/16/15 16:44	04/17/15 20:09	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	372	169	10	04/16/15 16:44	04/17/15 20:09	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	372	169	10	04/16/15 16:44	04/17/15 20:09	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	372	169	10	04/16/15 16:44	04/17/15 20:09	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	372	169	10	04/16/15 16:44	04/17/15 20:09	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	0	%	21-132		10	04/16/15 16:44	04/17/15 20:09	2051-24-3	D3,S4
Gasoline Range Organics									
Analytical Method: EPA 8015 Modified					Preparation Method: EPA 5035A/5030B				
Gas Range Organics (C6-C10)	ND	mg/kg	9.9	9.9	1	04/15/15 14:14	04/15/15 21:14		
Surrogates									
4-Bromofluorobenzene (S)	121	%	70-167		1	04/15/15 14:14	04/15/15 21:14	460-00-4	
6010 MET ICP									
Analytical Method: EPA 6010					Preparation Method: EPA 3050				
Aluminum	7830	mg/kg	10.4	5.2	1	04/14/15 16:45	04/15/15 15:44	7429-90-5	
Antimony	1.7	mg/kg	0.52	0.41	1	04/14/15 16:45	04/15/15 15:44	7440-36-0	
Arsenic	10.7	mg/kg	1.0	0.52	1	04/14/15 16:45	04/15/15 15:44	7440-38-2	
Barium	233	mg/kg	0.52	0.26	1	04/14/15 16:45	04/15/15 15:44	7440-39-3	
Beryllium	0.62	mg/kg	0.10	0.052	1	04/14/15 16:45	04/15/15 15:44	7440-41-7	
Cadmium	1.2	mg/kg	0.10	0.052	1	04/14/15 16:45	04/15/15 15:44	7440-43-9	
Calcium	8370	mg/kg	10.4	5.2	1	04/14/15 16:45	04/15/15 15:44	7440-70-2	
Chromium	16.0	mg/kg	0.52	0.26	1	04/14/15 16:45	04/15/15 15:44	7440-47-3	
Cobalt	5.3	mg/kg	0.52	0.26	1	04/14/15 16:45	04/15/15 15:44	7440-48-4	
Copper	67.4	mg/kg	0.52	0.26	1	04/14/15 16:45	04/15/15 15:44	7440-50-8	
Iron	13100	mg/kg	209	104	20	04/14/15 16:45	04/16/15 12:34	7439-89-6	
Lead	157	mg/kg	0.52	0.26	1	04/14/15 16:45	04/15/15 15:44	7439-92-1	
Magnesium	736	mg/kg	10.4	0.26	1	04/14/15 16:45	04/15/15 15:44	7439-95-4	
Manganese	1020	mg/kg	0.52	0.26	1	04/14/15 16:45	04/15/15 15:44	7439-96-5	
Nickel	16.0	mg/kg	0.52	0.26	1	04/14/15 16:45	04/15/15 15:44	7440-02-0	
Potassium	670	mg/kg	521	521	1	04/14/15 16:45	04/15/15 15:44	7440-09-7	
Selenium	ND	mg/kg	1.0	0.52	1	04/14/15 16:45	04/15/15 15:44	7782-49-2	
Silver	0.50J	mg/kg	0.52	0.26	1	04/14/15 16:45	04/15/15 15:44	7440-22-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: GSS-603-800-1-1 **Lab ID: 92245073001** Collected: 04/10/15 08:00 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Sodium	279J	mg/kg	521	261	1	04/14/15 16:45	04/15/15 15:44	7440-23-5	
Thallium	ND	mg/kg	1.0	0.52	1	04/14/15 16:45	04/15/15 15:44	7440-28-0	
Vanadium	25.2	mg/kg	0.52	0.26	1	04/14/15 16:45	04/15/15 15:44	7440-62-2	
Zinc	339	mg/kg	1.0	0.52	1	04/14/15 16:45	04/15/15 15:44	7440-66-6	

7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.16	mg/kg	0.020	0.00040	5	04/15/15 17:40	04/17/15 16:29	7439-97-6	

8270 MSSV PAH Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	ND	ug/kg	3720	856	10	04/21/15 11:30	04/21/15 19:37	83-32-9	
Acenaphthylene	ND	ug/kg	3720	878	10	04/21/15 11:30	04/21/15 19:37	208-96-8	
Anthracene	ND	ug/kg	3720	833	10	04/21/15 11:30	04/21/15 19:37	120-12-7	
Benzo(a)anthracene	773J	ug/kg	3720	687	10	04/21/15 11:30	04/21/15 19:37	56-55-3	
Benzo(a)pyrene	849J	ug/kg	3720	709	10	04/21/15 11:30	04/21/15 19:37	50-32-8	
Benzo(b)fluoranthene	698J	ug/kg	3720	642	10	04/21/15 11:30	04/21/15 19:37	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3720	946	10	04/21/15 11:30	04/21/15 19:37	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3720	732	10	04/21/15 11:30	04/21/15 19:37	207-08-9	
Chrysene	819J	ug/kg	3720	496	10	04/21/15 11:30	04/21/15 19:37	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	3720	788	10	04/21/15 11:30	04/21/15 19:37	53-70-3	
Fluoranthene	1560J	ug/kg	3720	541	10	04/21/15 11:30	04/21/15 19:37	206-44-0	
Fluorene	ND	ug/kg	3720	766	10	04/21/15 11:30	04/21/15 19:37	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3720	766	10	04/21/15 11:30	04/21/15 19:37	193-39-5	
1-Methylnaphthalene	ND	ug/kg	3720	969	10	04/21/15 11:30	04/21/15 19:37	90-12-0	
2-Methylnaphthalene	ND	ug/kg	3720	800	10	04/21/15 11:30	04/21/15 19:37	91-57-6	
Naphthalene	ND	ug/kg	3720	912	10	04/21/15 11:30	04/21/15 19:37	91-20-3	
Phenanthrene	901J	ug/kg	3720	619	10	04/21/15 11:30	04/21/15 19:37	85-01-8	
Pyrene	1110J	ug/kg	3720	631	10	04/21/15 11:30	04/21/15 19:37	129-00-0	

Surrogates									
Nitrobenzene-d5 (S)	0	%	23-110		10	04/21/15 11:30	04/21/15 19:37	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0	%	30-110		10	04/21/15 11:30	04/21/15 19:37	321-60-8	S4
Terphenyl-d14 (S)	0	%	28-110		10	04/21/15 11:30	04/21/15 19:37	1718-51-0	S4

8260/5035A Volatile Organics Analytical Method: EPA 8260									
Acetone	68.0J	ug/kg	165	16.5	1		04/15/15 19:19	67-64-1	
Benzene	ND	ug/kg	8.2	2.6	1		04/15/15 19:19	71-43-2	
Bromobenzene	ND	ug/kg	8.2	3.3	1		04/15/15 19:19	108-86-1	
Bromochloromethane	ND	ug/kg	8.2	2.8	1		04/15/15 19:19	74-97-5	
Bromodichloromethane	ND	ug/kg	8.2	3.1	1		04/15/15 19:19	75-27-4	
Bromoform	ND	ug/kg	8.2	3.8	1		04/15/15 19:19	75-25-2	
Bromomethane	ND	ug/kg	16.5	4.1	1		04/15/15 19:19	74-83-9	
2-Butanone (MEK)	ND	ug/kg	165	4.8	1		04/15/15 19:19	78-93-3	
n-Butylbenzene	ND	ug/kg	8.2	3.0	1		04/15/15 19:19	104-51-8	
sec-Butylbenzene	ND	ug/kg	8.2	2.6	1		04/15/15 19:19	135-98-8	
tert-Butylbenzene	ND	ug/kg	8.2	3.3	1		04/15/15 19:19	98-06-6	
Carbon tetrachloride	ND	ug/kg	8.2	4.3	1		04/15/15 19:19	56-23-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: **GSS-603-800-1-1** Lab ID: **92245073001** Collected: 04/10/15 08:00 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
Chlorobenzene	ND	ug/kg	8.2	3.1	1		04/15/15 19:19	108-90-7	
Chloroethane	ND	ug/kg	16.5	4.0	1		04/15/15 19:19	75-00-3	
Chloroform	ND	ug/kg	8.2	2.6	1		04/15/15 19:19	67-66-3	
Chloromethane	ND	ug/kg	16.5	4.0	1		04/15/15 19:19	74-87-3	
2-Chlorotoluene	ND	ug/kg	8.2	2.8	1		04/15/15 19:19	95-49-8	
4-Chlorotoluene	ND	ug/kg	8.2	3.0	1		04/15/15 19:19	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	8.2	5.9	1		04/15/15 19:19	96-12-8	
Dibromochloromethane	ND	ug/kg	8.2	3.0	1		04/15/15 19:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	8.2	3.0	1		04/15/15 19:19	106-93-4	
Dibromomethane	ND	ug/kg	8.2	4.1	1		04/15/15 19:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	8.2	3.1	1		04/15/15 19:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	8.2	3.3	1		04/15/15 19:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	8.2	2.8	1		04/15/15 19:19	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	16.5	5.9	1		04/15/15 19:19	75-71-8	
1,1-Dichloroethane	ND	ug/kg	8.2	2.5	1		04/15/15 19:19	75-34-3	
1,2-Dichloroethane	ND	ug/kg	8.2	3.6	1		04/15/15 19:19	107-06-2	
1,1-Dichloroethene	ND	ug/kg	8.2	3.0	1		04/15/15 19:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	8.2	2.3	1		04/15/15 19:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	8.2	3.1	1		04/15/15 19:19	156-60-5	
1,2-Dichloropropane	ND	ug/kg	8.2	2.8	1		04/15/15 19:19	78-87-5	
1,3-Dichloropropane	ND	ug/kg	8.2	3.1	1		04/15/15 19:19	142-28-9	
2,2-Dichloropropane	ND	ug/kg	8.2	2.8	1		04/15/15 19:19	594-20-7	
1,1-Dichloropropene	ND	ug/kg	8.2	2.5	1		04/15/15 19:19	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	8.2	3.0	1		04/15/15 19:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	8.2	2.5	1		04/15/15 19:19	10061-02-6	
Diisopropyl ether	ND	ug/kg	8.2	2.8	1		04/15/15 19:19	108-20-3	
Ethylbenzene	ND	ug/kg	8.2	3.0	1		04/15/15 19:19	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	8.2	3.3	1		04/15/15 19:19	87-68-3	
2-Hexanone	ND	ug/kg	82.3	6.4	1		04/15/15 19:19	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	8.2	3.1	1		04/15/15 19:19	98-82-8	
p-Isopropyltoluene	ND	ug/kg	8.2	2.8	1		04/15/15 19:19	99-87-6	
Methylene Chloride	ND	ug/kg	32.9	4.9	1		04/15/15 19:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	82.3	6.1	1		04/15/15 19:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	8.2	2.5	1		04/15/15 19:19	1634-04-4	
Naphthalene	ND	ug/kg	8.2	2.0	1		04/15/15 19:19	91-20-3	
n-Propylbenzene	ND	ug/kg	8.2	2.8	1		04/15/15 19:19	103-65-1	
Styrene	ND	ug/kg	8.2	3.0	1		04/15/15 19:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	8.2	3.5	1		04/15/15 19:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	8.2	3.1	1		04/15/15 19:19	79-34-5	
Tetrachloroethene	ND	ug/kg	8.2	2.8	1		04/15/15 19:19	127-18-4	
Toluene	ND	ug/kg	8.2	3.0	1		04/15/15 19:19	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	8.2	3.6	1		04/15/15 19:19	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	8.2	2.6	1		04/15/15 19:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	8.2	3.0	1		04/15/15 19:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	8.2	3.5	1		04/15/15 19:19	79-00-5	

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: GSS-603-800-1-1 **Lab ID: 92245073001** Collected: 04/10/15 08:00 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
Trichloroethene	ND	ug/kg	8.2	3.5	1		04/15/15 19:19	79-01-6	
Trichlorofluoromethane	ND	ug/kg	8.2	3.6	1		04/15/15 19:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	8.2	2.6	1		04/15/15 19:19	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	8.2	3.3	1		04/15/15 19:19	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	8.2	3.0	1		04/15/15 19:19	108-67-8	
Vinyl acetate	ND	ug/kg	82.3	14.5	1		04/15/15 19:19	108-05-4	
Vinyl chloride	ND	ug/kg	16.5	3.0	1		04/15/15 19:19	75-01-4	
Xylene (Total)	ND	ug/kg	16.5	5.9	1		04/15/15 19:19	1330-20-7	
m&p-Xylene	ND	ug/kg	16.5	5.9	1		04/15/15 19:19	179601-23-1	
o-Xylene	ND	ug/kg	8.2	3.1	1		04/15/15 19:19	95-47-6	
Surrogates									
Toluene-d8 (S)	88	%	70-130		1		04/15/15 19:19	2037-26-5	IO
4-Bromofluorobenzene (S)	64	%	70-130		1		04/15/15 19:19	460-00-4	S0
1,2-Dichloroethane-d4 (S)	150	%	70-132		1		04/15/15 19:19	17060-07-0	S3
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	11.2	%	0.10	0.10	1		04/14/15 18:21		

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

Sample: GSS-603-800-1-2 **Lab ID: 92245073002** Collected: 04/10/15 08:15 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546									
Diesel Range Organics(C10-C28)	74.0	mg/kg	6.9	6.2	1	04/15/15 16:45	04/17/15 06:09		
Surrogates									
n-Pentacosane (S)	62	%	41-119		1	04/15/15 16:45	04/17/15 06:09	629-99-2	
8015 GCS THC-ORO									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546									
Oil Range Organics (C28-C40)	191	mg/kg	20.8	15.2	1	04/15/15 18:12	04/16/15 23:49		
Surrogates									
n-Pentacosane (S)	88	%	41-119		1	04/15/15 18:12	04/16/15 23:49	629-99-2	
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3546									
PCB-1016 (Aroclor 1016)	ND	ug/kg	229	104	5	04/16/15 16:44	04/17/15 20:29	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	229	104	5	04/16/15 16:44	04/17/15 20:29	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	229	104	5	04/16/15 16:44	04/17/15 20:29	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	229	104	5	04/16/15 16:44	04/17/15 20:29	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	229	104	5	04/16/15 16:44	04/17/15 20:29	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	229	104	5	04/16/15 16:44	04/17/15 20:29	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	229	104	5	04/16/15 16:44	04/17/15 20:29	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	0	%	21-132		5	04/16/15 16:44	04/17/15 20:29	2051-24-3	D3,S4
Gasoline Range Organics									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B									
Gas Range Organics (C6-C10)	ND	mg/kg	15.3	15.3	1	04/15/15 14:14	04/15/15 21:40		
Surrogates									
4-Bromofluorobenzene (S)	123	%	70-167		1	04/15/15 14:14	04/15/15 21:40	460-00-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Aluminum	6220	mg/kg	13.3	6.7	1	04/14/15 16:45	04/15/15 15:47	7429-90-5	
Antimony	2.9	mg/kg	0.67	0.52	1	04/14/15 16:45	04/15/15 15:47	7440-36-0	
Arsenic	19.3	mg/kg	1.3	0.67	1	04/14/15 16:45	04/15/15 15:47	7440-38-2	
Barium	301	mg/kg	0.67	0.33	1	04/14/15 16:45	04/15/15 15:47	7440-39-3	
Beryllium	0.75	mg/kg	0.13	0.067	1	04/14/15 16:45	04/15/15 15:47	7440-41-7	
Cadmium	0.56	mg/kg	0.13	0.067	1	04/14/15 16:45	04/15/15 15:47	7440-43-9	
Calcium	8800	mg/kg	13.3	6.7	1	04/14/15 16:45	04/15/15 15:47	7440-70-2	
Chromium	13.2	mg/kg	0.67	0.33	1	04/14/15 16:45	04/15/15 15:47	7440-47-3	
Cobalt	6.5	mg/kg	0.67	0.33	1	04/14/15 16:45	04/15/15 15:47	7440-48-4	
Copper	56.6	mg/kg	0.67	0.33	1	04/14/15 16:45	04/15/15 15:47	7440-50-8	
Iron	33100	mg/kg	266	133	20	04/14/15 16:45	04/16/15 12:37	7439-89-6	
Lead	583	mg/kg	0.67	0.33	1	04/14/15 16:45	04/15/15 15:47	7439-92-1	
Magnesium	942	mg/kg	13.3	0.33	1	04/14/15 16:45	04/15/15 15:47	7439-95-4	
Manganese	210	mg/kg	0.67	0.33	1	04/14/15 16:45	04/15/15 15:47	7439-96-5	
Nickel	14.7	mg/kg	0.67	0.33	1	04/14/15 16:45	04/15/15 15:47	7440-02-0	
Potassium	871	mg/kg	666	666	1	04/14/15 16:45	04/15/15 15:47	7440-09-7	
Selenium	ND	mg/kg	1.3	0.67	1	04/14/15 16:45	04/15/15 15:47	7782-49-2	
Silver	0.89	mg/kg	0.67	0.33	1	04/14/15 16:45	04/15/15 15:47	7440-22-4	

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: GSS-603-800-1-2 **Lab ID:** 92245073002 Collected: 04/10/15 08:15 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Sodium	373J	mg/kg	666	333	1	04/14/15 16:45	04/15/15 15:47	7440-23-5	
Thallium	ND	mg/kg	1.3	0.67	1	04/14/15 16:45	04/15/15 15:47	7440-28-0	
Vanadium	25.7	mg/kg	0.67	0.33	1	04/14/15 16:45	04/15/15 15:47	7440-62-2	
Zinc	313	mg/kg	1.3	0.67	1	04/14/15 16:45	04/15/15 15:47	7440-66-6	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	0.64	mg/kg	0.051	0.0010	10	04/15/15 17:40	04/17/15 16:32	7439-97-6	
8270 MSSV PAH Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	4570	1050	10	04/21/15 11:30	04/21/15 20:04	83-32-9	
Acenaphthylene	ND	ug/kg	4570	1080	10	04/21/15 11:30	04/21/15 20:04	208-96-8	
Anthracene	ND	ug/kg	4570	1030	10	04/21/15 11:30	04/21/15 20:04	120-12-7	
Benzo(a)anthracene	1110J	ug/kg	4570	845	10	04/21/15 11:30	04/21/15 20:04	56-55-3	
Benzo(a)pyrene	1190J	ug/kg	4570	873	10	04/21/15 11:30	04/21/15 20:04	50-32-8	
Benzo(b)fluoranthene	1130J	ug/kg	4570	790	10	04/21/15 11:30	04/21/15 20:04	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	4570	1160	10	04/21/15 11:30	04/21/15 20:04	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	4570	901	10	04/21/15 11:30	04/21/15 20:04	207-08-9	
Chrysene	1410J	ug/kg	4570	610	10	04/21/15 11:30	04/21/15 20:04	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	4570	970	10	04/21/15 11:30	04/21/15 20:04	53-70-3	
Fluoranthene	2400J	ug/kg	4570	665	10	04/21/15 11:30	04/21/15 20:04	206-44-0	
Fluorene	ND	ug/kg	4570	942	10	04/21/15 11:30	04/21/15 20:04	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	4570	942	10	04/21/15 11:30	04/21/15 20:04	193-39-5	
1-Methylnaphthalene	ND	ug/kg	4570	1190	10	04/21/15 11:30	04/21/15 20:04	90-12-0	
2-Methylnaphthalene	ND	ug/kg	4570	984	10	04/21/15 11:30	04/21/15 20:04	91-57-6	
Naphthalene	ND	ug/kg	4570	1120	10	04/21/15 11:30	04/21/15 20:04	91-20-3	
Phenanthrene	1950J	ug/kg	4570	762	10	04/21/15 11:30	04/21/15 20:04	85-01-8	
Pyrene	1870J	ug/kg	4570	776	10	04/21/15 11:30	04/21/15 20:04	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	0	%	23-110		10	04/21/15 11:30	04/21/15 20:04	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0	%	30-110		10	04/21/15 11:30	04/21/15 20:04	321-60-8	S4
Terphenyl-d14 (S)	0	%	28-110		10	04/21/15 11:30	04/21/15 20:04	1718-51-0	S4
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
Acetone	ND	ug/kg	222	22.2	1		04/14/15 20:29	67-64-1	
Benzene	ND	ug/kg	11.1	3.6	1		04/14/15 20:29	71-43-2	
Bromobenzene	ND	ug/kg	11.1	4.4	1		04/14/15 20:29	108-86-1	
Bromochloromethane	ND	ug/kg	11.1	3.8	1		04/14/15 20:29	74-97-5	
Bromodichloromethane	ND	ug/kg	11.1	4.2	1		04/14/15 20:29	75-27-4	
Bromoform	ND	ug/kg	11.1	5.1	1		04/14/15 20:29	75-25-2	
Bromomethane	ND	ug/kg	22.2	5.6	1		04/14/15 20:29	74-83-9	
2-Butanone (MEK)	ND	ug/kg	222	6.4	1		04/14/15 20:29	78-93-3	
n-Butylbenzene	ND	ug/kg	11.1	4.0	1		04/14/15 20:29	104-51-8	
sec-Butylbenzene	ND	ug/kg	11.1	3.6	1		04/14/15 20:29	135-98-8	
tert-Butylbenzene	ND	ug/kg	11.1	4.4	1		04/14/15 20:29	98-06-6	
Carbon tetrachloride	ND	ug/kg	11.1	5.8	1		04/14/15 20:29	56-23-5	

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: GSS-603-800-1-2 **Lab ID: 92245073002** Collected: 04/10/15 08:15 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
Chlorobenzene	ND	ug/kg	11.1	4.2	1		04/14/15 20:29	108-90-7	
Chloroethane	ND	ug/kg	22.2	5.3	1		04/14/15 20:29	75-00-3	
Chloroform	ND	ug/kg	11.1	3.6	1		04/14/15 20:29	67-66-3	
Chloromethane	ND	ug/kg	22.2	5.3	1		04/14/15 20:29	74-87-3	
2-Chlorotoluene	ND	ug/kg	11.1	3.8	1		04/14/15 20:29	95-49-8	
4-Chlorotoluene	ND	ug/kg	11.1	4.0	1		04/14/15 20:29	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	11.1	8.0	1		04/14/15 20:29	96-12-8	
Dibromochloromethane	ND	ug/kg	11.1	4.0	1		04/14/15 20:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	11.1	4.0	1		04/14/15 20:29	106-93-4	
Dibromomethane	ND	ug/kg	11.1	5.6	1		04/14/15 20:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	11.1	4.2	1		04/14/15 20:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	11.1	4.4	1		04/14/15 20:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	11.1	3.8	1		04/14/15 20:29	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	22.2	8.0	1		04/14/15 20:29	75-71-8	
1,1-Dichloroethane	ND	ug/kg	11.1	3.3	1		04/14/15 20:29	75-34-3	
1,2-Dichloroethane	ND	ug/kg	11.1	4.9	1		04/14/15 20:29	107-06-2	
1,1-Dichloroethene	ND	ug/kg	11.1	4.0	1		04/14/15 20:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	11.1	3.1	1		04/14/15 20:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	11.1	4.2	1		04/14/15 20:29	156-60-5	
1,2-Dichloropropane	ND	ug/kg	11.1	3.8	1		04/14/15 20:29	78-87-5	
1,3-Dichloropropane	ND	ug/kg	11.1	4.2	1		04/14/15 20:29	142-28-9	
2,2-Dichloropropane	ND	ug/kg	11.1	3.8	1		04/14/15 20:29	594-20-7	
1,1-Dichloropropene	ND	ug/kg	11.1	3.3	1		04/14/15 20:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	11.1	4.0	1		04/14/15 20:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	11.1	3.3	1		04/14/15 20:29	10061-02-6	
Diisopropyl ether	ND	ug/kg	11.1	3.8	1		04/14/15 20:29	108-20-3	
Ethylbenzene	ND	ug/kg	11.1	4.0	1		04/14/15 20:29	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	11.1	4.4	1		04/14/15 20:29	87-68-3	
2-Hexanone	ND	ug/kg	111	8.7	1		04/14/15 20:29	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	11.1	4.2	1		04/14/15 20:29	98-82-8	
p-Isopropyltoluene	ND	ug/kg	11.1	3.8	1		04/14/15 20:29	99-87-6	
Methylene Chloride	ND	ug/kg	44.4	6.7	1		04/14/15 20:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	111	8.2	1		04/14/15 20:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	11.1	3.3	1		04/14/15 20:29	1634-04-4	
Naphthalene	ND	ug/kg	11.1	2.7	1		04/14/15 20:29	91-20-3	
n-Propylbenzene	ND	ug/kg	11.1	3.8	1		04/14/15 20:29	103-65-1	
Styrene	ND	ug/kg	11.1	4.0	1		04/14/15 20:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	11.1	4.7	1		04/14/15 20:29	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND	ug/kg	11.1	4.2	1		04/14/15 20:29	79-34-5	
Tetrachloroethene	ND	ug/kg	11.1	3.8	1		04/14/15 20:29	127-18-4	
Toluene	ND	ug/kg	11.1	4.0	1		04/14/15 20:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	11.1	4.9	1		04/14/15 20:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	11.1	3.6	1		04/14/15 20:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	11.1	4.0	1		04/14/15 20:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	11.1	4.7	1		04/14/15 20:29	79-00-5	

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: GSS-603-800-1-2 **Lab ID: 92245073002** Collected: 04/10/15 08:15 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
Trichloroethene	ND	ug/kg	11.1	4.7	1		04/14/15 20:29	79-01-6	
Trichlorofluoromethane	ND	ug/kg	11.1	4.9	1		04/14/15 20:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	11.1	3.6	1		04/14/15 20:29	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	11.1	4.4	1		04/14/15 20:29	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	11.1	4.0	1		04/14/15 20:29	108-67-8	
Vinyl acetate	ND	ug/kg	111	19.5	1		04/14/15 20:29	108-05-4	
Vinyl chloride	ND	ug/kg	22.2	4.0	1		04/14/15 20:29	75-01-4	
Xylene (Total)	ND	ug/kg	22.2	8.0	1		04/14/15 20:29	1330-20-7	
m&p-Xylene	ND	ug/kg	22.2	8.0	1		04/14/15 20:29	179601-23-1	
o-Xylene	ND	ug/kg	11.1	4.2	1		04/14/15 20:29	95-47-6	
Surrogates									
Toluene-d8 (S)	93	%	70-130		1		04/14/15 20:29	2037-26-5	2g
4-Bromofluorobenzene (S)	76	%	70-130		1		04/14/15 20:29	460-00-4	
1,2-Dichloroethane-d4 (S)	123	%	70-132		1		04/14/15 20:29	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	27.8	%	0.10	0.10	1		04/14/15 18:21		

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

Sample: GSS-603-800-3-1 **Lab ID: 92245073003** Collected: 04/10/15 08:45 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546									
Diesel Range Organics(C10-C28)	27.1	mg/kg	6.5	5.8	1	04/15/15 16:45	04/17/15 06:09		
Surrogates									
n-Pentacosane (S)	64	%	41-119		1	04/15/15 16:45	04/17/15 06:09	629-99-2	
8015 GCS THC-ORO Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546									
Oil Range Organics (C28-C40)	22.4	mg/kg	19.5	14.3	1	04/15/15 18:12	04/16/15 20:38		
Surrogates									
n-Pentacosane (S)	76	%	41-119		1	04/15/15 18:12	04/16/15 20:38	629-99-2	
8082 GCS PCB Analytical Method: EPA 8082 Preparation Method: EPA 3546									
PCB-1016 (Aroclor 1016)	ND	ug/kg	214	97.3	5	04/16/15 16:44	04/17/15 20:50	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	214	97.3	5	04/16/15 16:44	04/17/15 20:50	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	214	97.3	5	04/16/15 16:44	04/17/15 20:50	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	214	97.3	5	04/16/15 16:44	04/17/15 20:50	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	214	97.3	5	04/16/15 16:44	04/17/15 20:50	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	214	97.3	5	04/16/15 16:44	04/17/15 20:50	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	214	97.3	5	04/16/15 16:44	04/17/15 20:50	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	0	%	21-132		5	04/16/15 16:44	04/17/15 20:50	2051-24-3	D3,S4
Gasoline Range Organics Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B									
Gas Range Organics (C6-C10)	ND	mg/kg	17.7	17.7	1	04/15/15 14:14	04/15/15 22:06		
Surrogates									
4-Bromofluorobenzene (S)	124	%	70-167		1	04/15/15 14:14	04/15/15 22:06	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Aluminum	4470	mg/kg	12.5	6.2	1	04/14/15 16:45	04/15/15 15:50	7429-90-5	
Antimony	0.61J	mg/kg	0.62	0.49	1	04/14/15 16:45	04/15/15 15:50	7440-36-0	
Arsenic	9.6	mg/kg	1.2	0.62	1	04/14/15 16:45	04/15/15 15:50	7440-38-2	
Barium	150	mg/kg	0.62	0.31	1	04/14/15 16:45	04/15/15 15:50	7440-39-3	
Beryllium	0.48	mg/kg	0.12	0.062	1	04/14/15 16:45	04/15/15 15:50	7440-41-7	
Cadmium	0.39	mg/kg	0.12	0.062	1	04/14/15 16:45	04/15/15 15:50	7440-43-9	
Calcium	4430	mg/kg	12.5	6.2	1	04/14/15 16:45	04/15/15 15:50	7440-70-2	
Chromium	7.9	mg/kg	0.62	0.31	1	04/14/15 16:45	04/15/15 15:50	7440-47-3	
Cobalt	4.1	mg/kg	0.62	0.31	1	04/14/15 16:45	04/15/15 15:50	7440-48-4	
Copper	50.0	mg/kg	0.62	0.31	1	04/14/15 16:45	04/15/15 15:50	7440-50-8	
Iron	2980	mg/kg	12.5	6.2	1	04/14/15 16:45	04/15/15 15:50	7439-89-6	
Lead	79.1	mg/kg	0.62	0.31	1	04/14/15 16:45	04/15/15 15:50	7439-92-1	
Magnesium	345	mg/kg	12.5	0.31	1	04/14/15 16:45	04/15/15 15:50	7439-95-4	
Manganese	66.0	mg/kg	0.62	0.31	1	04/14/15 16:45	04/15/15 15:50	7439-96-5	
Nickel	9.2	mg/kg	0.62	0.31	1	04/14/15 16:45	04/15/15 15:50	7440-02-0	
Potassium	894	mg/kg	624	624	1	04/14/15 16:45	04/15/15 15:50	7440-09-7	
Selenium	0.76J	mg/kg	1.2	0.62	1	04/14/15 16:45	04/15/15 15:50	7782-49-2	
Silver	ND	mg/kg	0.62	0.31	1	04/14/15 16:45	04/15/15 15:50	7440-22-4	

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: GSS-603-800-3-1 **Lab ID:** 92245073003 Collected: 04/10/15 08:45 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Sodium	ND	mg/kg	624	312	1	04/14/15 16:45	04/15/15 15:50	7440-23-5	
Thallium	ND	mg/kg	1.2	0.62	1	04/14/15 16:45	04/15/15 15:50	7440-28-0	
Vanadium	23.0	mg/kg	0.62	0.31	1	04/14/15 16:45	04/15/15 15:50	7440-62-2	
Zinc	148	mg/kg	1.2	0.62	1	04/14/15 16:45	04/15/15 15:50	7440-66-6	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.071	mg/kg	0.0057	0.00011	1	04/15/15 17:40	04/17/15 15:41	7439-97-6	
8270 MSSV PAH Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	ND	ug/kg	4280	986	10	04/21/15 11:30	04/21/15 20:32	83-32-9	
Acenaphthylene	ND	ug/kg	4280	1010	10	04/21/15 11:30	04/21/15 20:32	208-96-8	
Anthracene	ND	ug/kg	4280	960	10	04/21/15 11:30	04/21/15 20:32	120-12-7	
Benzo(a)anthracene	ND	ug/kg	4280	792	10	04/21/15 11:30	04/21/15 20:32	56-55-3	
Benzo(a)pyrene	ND	ug/kg	4280	818	10	04/21/15 11:30	04/21/15 20:32	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	4280	740	10	04/21/15 11:30	04/21/15 20:32	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	4280	1090	10	04/21/15 11:30	04/21/15 20:32	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	4280	844	10	04/21/15 11:30	04/21/15 20:32	207-08-9	
Chrysene	ND	ug/kg	4280	571	10	04/21/15 11:30	04/21/15 20:32	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	4280	908	10	04/21/15 11:30	04/21/15 20:32	53-70-3	
Fluoranthene	656J	ug/kg	4280	623	10	04/21/15 11:30	04/21/15 20:32	206-44-0	
Fluorene	ND	ug/kg	4280	883	10	04/21/15 11:30	04/21/15 20:32	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	4280	883	10	04/21/15 11:30	04/21/15 20:32	193-39-5	
1-Methylnaphthalene	ND	ug/kg	4280	1120	10	04/21/15 11:30	04/21/15 20:32	90-12-0	
2-Methylnaphthalene	ND	ug/kg	4280	921	10	04/21/15 11:30	04/21/15 20:32	91-57-6	
Naphthalene	ND	ug/kg	4280	1050	10	04/21/15 11:30	04/21/15 20:32	91-20-3	
Phenanthrene	ND	ug/kg	4280	714	10	04/21/15 11:30	04/21/15 20:32	85-01-8	
Pyrene	ND	ug/kg	4280	727	10	04/21/15 11:30	04/21/15 20:32	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	0	%	23-110		10	04/21/15 11:30	04/21/15 20:32	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0	%	30-110		10	04/21/15 11:30	04/21/15 20:32	321-60-8	S4
Terphenyl-d14 (S)	0	%	28-110		10	04/21/15 11:30	04/21/15 20:32	1718-51-0	S4
8260/5035A Volatile Organics Analytical Method: EPA 8260									
Acetone	77.7J	ug/kg	313	31.3	1		04/15/15 19:39	67-64-1	
Benzene	ND	ug/kg	15.7	5.0	1		04/15/15 19:39	71-43-2	
Bromobenzene	ND	ug/kg	15.7	6.3	1		04/15/15 19:39	108-86-1	
Bromochloromethane	ND	ug/kg	15.7	5.3	1		04/15/15 19:39	74-97-5	
Bromodichloromethane	ND	ug/kg	15.7	6.0	1		04/15/15 19:39	75-27-4	
Bromoform	ND	ug/kg	15.7	7.2	1		04/15/15 19:39	75-25-2	
Bromomethane	ND	ug/kg	31.3	7.8	1		04/15/15 19:39	74-83-9	
2-Butanone (MEK)	ND	ug/kg	313	9.1	1		04/15/15 19:39	78-93-3	
n-Butylbenzene	ND	ug/kg	15.7	5.6	1		04/15/15 19:39	104-51-8	
sec-Butylbenzene	ND	ug/kg	15.7	5.0	1		04/15/15 19:39	135-98-8	
tert-Butylbenzene	ND	ug/kg	15.7	6.3	1		04/15/15 19:39	98-06-6	
Carbon tetrachloride	ND	ug/kg	15.7	8.2	1		04/15/15 19:39	56-23-5	

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: GSS-603-800-3-1 **Lab ID: 92245073003** Collected: 04/10/15 08:45 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
Chlorobenzene	ND	ug/kg	15.7	6.0	1		04/15/15 19:39	108-90-7	
Chloroethane	ND	ug/kg	31.3	7.5	1		04/15/15 19:39	75-00-3	
Chloroform	ND	ug/kg	15.7	5.0	1		04/15/15 19:39	67-66-3	
Chloromethane	ND	ug/kg	31.3	7.5	1		04/15/15 19:39	74-87-3	
2-Chlorotoluene	ND	ug/kg	15.7	5.3	1		04/15/15 19:39	95-49-8	
4-Chlorotoluene	ND	ug/kg	15.7	5.6	1		04/15/15 19:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	15.7	11.3	1		04/15/15 19:39	96-12-8	
Dibromochloromethane	ND	ug/kg	15.7	5.6	1		04/15/15 19:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	15.7	5.6	1		04/15/15 19:39	106-93-4	
Dibromomethane	ND	ug/kg	15.7	7.8	1		04/15/15 19:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	15.7	6.0	1		04/15/15 19:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	15.7	6.3	1		04/15/15 19:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	15.7	5.3	1		04/15/15 19:39	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	31.3	11.3	1		04/15/15 19:39	75-71-8	
1,1-Dichloroethane	ND	ug/kg	15.7	4.7	1		04/15/15 19:39	75-34-3	
1,2-Dichloroethane	ND	ug/kg	15.7	6.9	1		04/15/15 19:39	107-06-2	
1,1-Dichloroethene	ND	ug/kg	15.7	5.6	1		04/15/15 19:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	15.7	4.4	1		04/15/15 19:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	15.7	6.0	1		04/15/15 19:39	156-60-5	
1,2-Dichloropropane	ND	ug/kg	15.7	5.3	1		04/15/15 19:39	78-87-5	
1,3-Dichloropropane	ND	ug/kg	15.7	6.0	1		04/15/15 19:39	142-28-9	
2,2-Dichloropropane	ND	ug/kg	15.7	5.3	1		04/15/15 19:39	594-20-7	
1,1-Dichloropropene	ND	ug/kg	15.7	4.7	1		04/15/15 19:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	15.7	5.6	1		04/15/15 19:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	15.7	4.7	1		04/15/15 19:39	10061-02-6	
Diisopropyl ether	ND	ug/kg	15.7	5.3	1		04/15/15 19:39	108-20-3	
Ethylbenzene	ND	ug/kg	15.7	5.6	1		04/15/15 19:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	15.7	6.3	1		04/15/15 19:39	87-68-3	
2-Hexanone	ND	ug/kg	157	12.2	1		04/15/15 19:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	15.7	6.0	1		04/15/15 19:39	98-82-8	
p-Isopropyltoluene	ND	ug/kg	15.7	5.3	1		04/15/15 19:39	99-87-6	
Methylene Chloride	ND	ug/kg	62.7	9.4	1		04/15/15 19:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	157	11.6	1		04/15/15 19:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	15.7	4.7	1		04/15/15 19:39	1634-04-4	
Naphthalene	ND	ug/kg	15.7	3.8	1		04/15/15 19:39	91-20-3	
n-Propylbenzene	ND	ug/kg	15.7	5.3	1		04/15/15 19:39	103-65-1	
Styrene	ND	ug/kg	15.7	5.6	1		04/15/15 19:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	15.7	6.6	1		04/15/15 19:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	15.7	6.0	1		04/15/15 19:39	79-34-5	
Tetrachloroethene	ND	ug/kg	15.7	5.3	1		04/15/15 19:39	127-18-4	
Toluene	ND	ug/kg	15.7	5.6	1		04/15/15 19:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	15.7	6.9	1		04/15/15 19:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	15.7	5.0	1		04/15/15 19:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	15.7	5.6	1		04/15/15 19:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	15.7	6.6	1		04/15/15 19:39	79-00-5	

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: GSS-603-800-3-1 **Lab ID: 92245073003** Collected: 04/10/15 08:45 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
Trichloroethene	ND	ug/kg	15.7	6.6	1		04/15/15 19:39	79-01-6	
Trichlorofluoromethane	ND	ug/kg	15.7	6.9	1		04/15/15 19:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	15.7	5.0	1		04/15/15 19:39	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	15.7	6.3	1		04/15/15 19:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	15.7	5.6	1		04/15/15 19:39	108-67-8	
Vinyl acetate	ND	ug/kg	157	27.6	1		04/15/15 19:39	108-05-4	
Vinyl chloride	ND	ug/kg	31.3	5.6	1		04/15/15 19:39	75-01-4	
Xylene (Total)	ND	ug/kg	31.3	11.3	1		04/15/15 19:39	1330-20-7	
m&p-Xylene	ND	ug/kg	31.3	11.3	1		04/15/15 19:39	179601-23-1	
o-Xylene	ND	ug/kg	15.7	6.0	1		04/15/15 19:39	95-47-6	
Surrogates									
Toluene-d8 (S)	105	%	70-130		1		04/15/15 19:39	2037-26-5	
4-Bromofluorobenzene (S)	86	%	70-130		1		04/15/15 19:39	460-00-4	
1,2-Dichloroethane-d4 (S)	123	%	70-132		1		04/15/15 19:39	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	22.9	%	0.10	0.10	1		04/14/15 18:21		

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: GSS-603-800-3-2 **Lab ID: 92245073004** Collected: 04/10/15 09:00 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546									
Diesel Range Organics(C10-C28)	85.2	mg/kg	5.9	5.3	1	04/15/15 16:45	04/17/15 06:33		
Surrogates									
n-Pentacosane (S)	78	%	41-119		1	04/15/15 16:45	04/17/15 06:33	629-99-2	
8015 GCS THC-ORO									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546									
Oil Range Organics (C28-C40)	109	mg/kg	17.8	13.0	1	04/15/15 18:12	04/16/15 21:02		
Surrogates									
n-Pentacosane (S)	90	%	41-119		1	04/15/15 18:12	04/16/15 21:02	629-99-2	
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3546									
PCB-1016 (Aroclor 1016)	ND	ug/kg	195	88.8	5	04/16/15 16:44	04/17/15 21:10	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	195	88.8	5	04/16/15 16:44	04/17/15 21:10	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	195	88.8	5	04/16/15 16:44	04/17/15 21:10	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	195	88.8	5	04/16/15 16:44	04/17/15 21:10	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	195	88.8	5	04/16/15 16:44	04/17/15 21:10	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	195	88.8	5	04/16/15 16:44	04/17/15 21:10	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	195	88.8	5	04/16/15 16:44	04/17/15 21:10	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	0	%	21-132		5	04/16/15 16:44	04/17/15 21:10	2051-24-3	D3,S4
Gasoline Range Organics									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B									
Gas Range Organics (C6-C10)	ND	mg/kg	8.5	8.5	1	04/15/15 14:14	04/15/15 22:32		
Surrogates									
4-Bromofluorobenzene (S)	124	%	70-167		1	04/15/15 14:14	04/15/15 22:32	460-00-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Aluminum	3420	mg/kg	9.7	4.9	1	04/14/15 16:45	04/15/15 15:53	7429-90-5	
Antimony	2.4	mg/kg	0.49	0.38	1	04/14/15 16:45	04/15/15 15:53	7440-36-0	
Arsenic	17.6	mg/kg	0.97	0.49	1	04/14/15 16:45	04/15/15 15:53	7440-38-2	
Barium	126	mg/kg	0.49	0.24	1	04/14/15 16:45	04/15/15 15:53	7440-39-3	
Beryllium	0.24	mg/kg	0.097	0.049	1	04/14/15 16:45	04/15/15 15:53	7440-41-7	
Cadmium	0.54	mg/kg	0.097	0.049	1	04/14/15 16:45	04/15/15 15:53	7440-43-9	
Calcium	6950	mg/kg	9.7	4.9	1	04/14/15 16:45	04/15/15 15:53	7440-70-2	
Chromium	13.9	mg/kg	0.49	0.24	1	04/14/15 16:45	04/15/15 15:53	7440-47-3	
Cobalt	5.4	mg/kg	0.49	0.24	1	04/14/15 16:45	04/15/15 15:53	7440-48-4	
Copper	67.4	mg/kg	0.49	0.24	1	04/14/15 16:45	04/15/15 15:53	7440-50-8	
Iron	19800	mg/kg	194	97.1	20	04/14/15 16:45	04/16/15 12:40	7439-89-6	
Lead	500	mg/kg	0.49	0.24	1	04/14/15 16:45	04/15/15 15:53	7439-92-1	
Magnesium	1160	mg/kg	9.7	0.24	1	04/14/15 16:45	04/15/15 15:53	7439-95-4	
Manganese	165	mg/kg	0.49	0.24	1	04/14/15 16:45	04/15/15 15:53	7439-96-5	
Nickel	12.6	mg/kg	0.49	0.24	1	04/14/15 16:45	04/15/15 15:53	7440-02-0	
Potassium	551	mg/kg	485	485	1	04/14/15 16:45	04/15/15 15:53	7440-09-7	
Selenium	ND	mg/kg	0.97	0.49	1	04/14/15 16:45	04/15/15 15:53	7782-49-2	
Silver	0.53	mg/kg	0.49	0.24	1	04/14/15 16:45	04/15/15 15:53	7440-22-4	

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: GSS-603-800-3-2 **Lab ID: 92245073004** Collected: 04/10/15 09:00 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Sodium	ND	mg/kg	485	243	1	04/14/15 16:45	04/15/15 15:53	7440-23-5	
Thallium	ND	mg/kg	0.97	0.49	1	04/14/15 16:45	04/15/15 15:53	7440-28-0	
Vanadium	15.8	mg/kg	0.49	0.24	1	04/14/15 16:45	04/15/15 15:53	7440-62-2	
Zinc	518	mg/kg	0.97	0.49	1	04/14/15 16:45	04/15/15 15:53	7440-66-6	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.42	mg/kg	0.044	0.00089	10	04/15/15 17:40	04/17/15 16:35	7439-97-6	
8270 MSSV PAH Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	ND	ug/kg	3910	900	10	04/21/15 11:30	04/21/15 21:00	83-32-9	
Acenaphthylene	ND	ug/kg	3910	924	10	04/21/15 11:30	04/21/15 21:00	208-96-8	
Anthracene	ND	ug/kg	3910	876	10	04/21/15 11:30	04/21/15 21:00	120-12-7	
Benzo(a)anthracene	ND	ug/kg	3910	722	10	04/21/15 11:30	04/21/15 21:00	56-55-3	
Benzo(a)pyrene	ND	ug/kg	3910	746	10	04/21/15 11:30	04/21/15 21:00	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	3910	675	10	04/21/15 11:30	04/21/15 21:00	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3910	995	10	04/21/15 11:30	04/21/15 21:00	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3910	770	10	04/21/15 11:30	04/21/15 21:00	207-08-9	
Chrysene	ND	ug/kg	3910	521	10	04/21/15 11:30	04/21/15 21:00	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	3910	829	10	04/21/15 11:30	04/21/15 21:00	53-70-3	
Fluoranthene	ND	ug/kg	3910	568	10	04/21/15 11:30	04/21/15 21:00	206-44-0	
Fluorene	ND	ug/kg	3910	805	10	04/21/15 11:30	04/21/15 21:00	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3910	805	10	04/21/15 11:30	04/21/15 21:00	193-39-5	
1-Methylnaphthalene	ND	ug/kg	3910	1020	10	04/21/15 11:30	04/21/15 21:00	90-12-0	
2-Methylnaphthalene	ND	ug/kg	3910	841	10	04/21/15 11:30	04/21/15 21:00	91-57-6	
Naphthalene	ND	ug/kg	3910	959	10	04/21/15 11:30	04/21/15 21:00	91-20-3	
Phenanthrene	ND	ug/kg	3910	651	10	04/21/15 11:30	04/21/15 21:00	85-01-8	
Pyrene	ND	ug/kg	3910	663	10	04/21/15 11:30	04/21/15 21:00	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	0	%	23-110		10	04/21/15 11:30	04/21/15 21:00	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0	%	30-110		10	04/21/15 11:30	04/21/15 21:00	321-60-8	S4
Terphenyl-d14 (S)	0	%	28-110		10	04/21/15 11:30	04/21/15 21:00	1718-51-0	S4
8260/5035A Volatile Organics Analytical Method: EPA 8260									
Acetone	53.5J	ug/kg	97.2	9.7	1		04/15/15 19:58	67-64-1	
Benzene	ND	ug/kg	4.9	1.6	1		04/15/15 19:58	71-43-2	
Bromobenzene	ND	ug/kg	4.9	1.9	1		04/15/15 19:58	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1.7	1		04/15/15 19:58	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1.8	1		04/15/15 19:58	75-27-4	
Bromoform	ND	ug/kg	4.9	2.2	1		04/15/15 19:58	75-25-2	
Bromomethane	ND	ug/kg	9.7	2.4	1		04/15/15 19:58	74-83-9	
2-Butanone (MEK)	ND	ug/kg	97.2	2.8	1		04/15/15 19:58	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1.8	1		04/15/15 19:58	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1.6	1		04/15/15 19:58	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	1.9	1		04/15/15 19:58	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.9	2.5	1		04/15/15 19:58	56-23-5	

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

Sample: GSS-603-800-3-2 **Lab ID: 92245073004** Collected: 04/10/15 09:00 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
Chlorobenzene	ND	ug/kg	4.9	1.8	1		04/15/15 19:58	108-90-7	
Chloroethane	ND	ug/kg	9.7	2.3	1		04/15/15 19:58	75-00-3	
Chloroform	ND	ug/kg	4.9	1.6	1		04/15/15 19:58	67-66-3	
Chloromethane	ND	ug/kg	9.7	2.3	1		04/15/15 19:58	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1.7	1		04/15/15 19:58	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1.8	1		04/15/15 19:58	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.9	3.5	1		04/15/15 19:58	96-12-8	
Dibromochloromethane	ND	ug/kg	4.9	1.8	1		04/15/15 19:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1.8	1		04/15/15 19:58	106-93-4	
Dibromomethane	ND	ug/kg	4.9	2.4	1		04/15/15 19:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1.8	1		04/15/15 19:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	1.9	1		04/15/15 19:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1.7	1		04/15/15 19:58	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.7	3.5	1		04/15/15 19:58	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1.5	1		04/15/15 19:58	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	2.1	1		04/15/15 19:58	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1.8	1		04/15/15 19:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1.4	1		04/15/15 19:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1.8	1		04/15/15 19:58	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1.7	1		04/15/15 19:58	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1.8	1		04/15/15 19:58	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1.7	1		04/15/15 19:58	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.9	1.5	1		04/15/15 19:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1.8	1		04/15/15 19:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1.5	1		04/15/15 19:58	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.9	1.7	1		04/15/15 19:58	108-20-3	
Ethylbenzene	ND	ug/kg	4.9	1.8	1		04/15/15 19:58	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	1.9	1		04/15/15 19:58	87-68-3	
2-Hexanone	ND	ug/kg	48.6	3.8	1		04/15/15 19:58	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1.8	1		04/15/15 19:58	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1.7	1		04/15/15 19:58	99-87-6	
Methylene Chloride	ND	ug/kg	19.4	2.9	1		04/15/15 19:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	48.6	3.6	1		04/15/15 19:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1.5	1		04/15/15 19:58	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1.2	1		04/15/15 19:58	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1.7	1		04/15/15 19:58	103-65-1	
Styrene	ND	ug/kg	4.9	1.8	1		04/15/15 19:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	2.0	1		04/15/15 19:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1.8	1		04/15/15 19:58	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1.7	1		04/15/15 19:58	127-18-4	
Toluene	ND	ug/kg	4.9	1.8	1		04/15/15 19:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	2.1	1		04/15/15 19:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1.6	1		04/15/15 19:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1.8	1		04/15/15 19:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	2.0	1		04/15/15 19:58	79-00-5	

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: GSS-603-800-3-2 **Lab ID: 92245073004** Collected: 04/10/15 09:00 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
Trichloroethene	ND	ug/kg	4.9	2.0	1		04/15/15 19:58	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	2.1	1		04/15/15 19:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1.6	1		04/15/15 19:58	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	1.9	1		04/15/15 19:58	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1.8	1		04/15/15 19:58	108-67-8	
Vinyl acetate	ND	ug/kg	48.6	8.6	1		04/15/15 19:58	108-05-4	
Vinyl chloride	ND	ug/kg	9.7	1.8	1		04/15/15 19:58	75-01-4	
Xylene (Total)	ND	ug/kg	9.7	3.5	1		04/15/15 19:58	1330-20-7	
m&p-Xylene	ND	ug/kg	9.7	3.5	1		04/15/15 19:58	179601-23-1	
o-Xylene	ND	ug/kg	4.9	1.8	1		04/15/15 19:58	95-47-6	
Surrogates									
Toluene-d8 (S)	95	%	70-130		1		04/15/15 19:58	2037-26-5	2g
4-Bromofluorobenzene (S)	77	%	70-130		1		04/15/15 19:58	460-00-4	
1,2-Dichloroethane-d4 (S)	124	%	70-132		1		04/15/15 19:58	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	15.6	%	0.10	0.10	1		04/14/15 18:21		

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: GSS-603-800-2-1 **Lab ID: 92245073005** Collected: 04/10/15 09:15 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546									
Diesel Range Organics(C10-C28)	67.0	mg/kg	6.2	5.6	1	04/15/15 16:45	04/17/15 06:33		
Surrogates									
n-Pentacosane (S)	56	%	41-119		1	04/15/15 16:45	04/17/15 06:33	629-99-2	
8015 GCS THC-ORO									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546									
Oil Range Organics (C28-C40)	133	mg/kg	18.5	13.6	1	04/15/15 18:12	04/16/15 21:26		
Surrogates									
n-Pentacosane (S)	83	%	41-119		1	04/15/15 18:12	04/16/15 21:26	629-99-2	
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3546									
PCB-1016 (Aroclor 1016)	ND	ug/kg	407	185	10	04/16/15 16:44	04/17/15 21:31	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	407	185	10	04/16/15 16:44	04/17/15 21:31	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	407	185	10	04/16/15 16:44	04/17/15 21:31	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	407	185	10	04/16/15 16:44	04/17/15 21:31	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	407	185	10	04/16/15 16:44	04/17/15 21:31	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	407	185	10	04/16/15 16:44	04/17/15 21:31	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	407	185	10	04/16/15 16:44	04/17/15 21:31	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	0	%	21-132		10	04/16/15 16:44	04/17/15 21:31	2051-24-3	D3,S4
Gasoline Range Organics									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B									
Gas Range Organics (C6-C10)	ND	mg/kg	18.3	18.3	1	04/15/15 14:14	04/15/15 22:59		
Surrogates									
4-Bromofluorobenzene (S)	120	%	70-167		1	04/15/15 14:14	04/15/15 22:59	460-00-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Aluminum	4660	mg/kg	11.2	5.6	1	04/16/15 16:00	04/20/15 14:15	7429-90-5	
Antimony	1.4	mg/kg	0.56	0.44	1	04/16/15 16:00	04/20/15 14:15	7440-36-0	
Arsenic	16.0	mg/kg	1.1	0.56	1	04/16/15 16:00	04/20/15 14:15	7440-38-2	
Barium	211	mg/kg	0.56	0.28	1	04/16/15 16:00	04/20/15 14:15	7440-39-3	
Beryllium	0.55	mg/kg	0.11	0.056	1	04/16/15 16:00	04/20/15 14:15	7440-41-7	
Cadmium	2.1	mg/kg	0.11	0.056	1	04/16/15 16:00	04/20/15 14:15	7440-43-9	
Calcium	10800	mg/kg	11.2	5.6	1	04/16/15 16:00	04/20/15 14:15	7440-70-2	
Chromium	25.2	mg/kg	0.56	0.28	1	04/16/15 16:00	04/20/15 14:15	7440-47-3	
Cobalt	6.4	mg/kg	0.56	0.28	1	04/16/15 16:00	04/20/15 14:15	7440-48-4	
Copper	211	mg/kg	0.56	0.28	1	04/16/15 16:00	04/20/15 14:15	7440-50-8	
Iron	65800	mg/kg	224	112	20	04/16/15 16:00	04/20/15 14:36	7439-89-6	
Lead	333	mg/kg	0.56	0.28	1	04/16/15 16:00	04/20/15 14:15	7439-92-1	
Magnesium	508	mg/kg	11.2	0.28	1	04/16/15 16:00	04/20/15 14:15	7439-95-4	
Manganese	190	mg/kg	0.56	0.28	1	04/16/15 16:00	04/20/15 14:15	7439-96-5	
Nickel	40.1	mg/kg	0.56	0.28	1	04/16/15 16:00	04/20/15 14:15	7440-02-0	
Potassium	1040	mg/kg	561	561	1	04/16/15 16:00	04/20/15 14:15	7440-09-7	
Selenium	ND	mg/kg	1.1	0.56	1	04/16/15 16:00	04/20/15 14:15	7782-49-2	
Silver	1.4	mg/kg	0.56	0.28	1	04/16/15 16:00	04/20/15 14:15	7440-22-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: **GSS-603-800-2-1** Lab ID: **92245073005** Collected: 04/10/15 09:15 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Sodium	ND	mg/kg	561	281	1	04/16/15 16:00	04/20/15 14:15	7440-23-5	
Thallium	ND	mg/kg	1.1	0.56	1	04/16/15 16:00	04/20/15 14:15	7440-28-0	
Vanadium	33.2	mg/kg	0.56	0.28	1	04/16/15 16:00	04/20/15 14:15	7440-62-2	
Zinc	712	mg/kg	1.1	0.56	1	04/16/15 16:00	04/20/15 14:15	7440-66-6	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.30	mg/kg	0.058	0.0012	10	04/16/15 15:10	04/17/15 13:08	7439-97-6	
8270 MSSV PAH Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	ND	ug/kg	4070	938	10	04/21/15 11:30	04/21/15 21:28	83-32-9	
Acenaphthylene	ND	ug/kg	4070	963	10	04/21/15 11:30	04/21/15 21:28	208-96-8	
Anthracene	ND	ug/kg	4070	914	10	04/21/15 11:30	04/21/15 21:28	120-12-7	
Benzo(a)anthracene	ND	ug/kg	4070	753	10	04/21/15 11:30	04/21/15 21:28	56-55-3	
Benzo(a)pyrene	ND	ug/kg	4070	778	10	04/21/15 11:30	04/21/15 21:28	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	4070	704	10	04/21/15 11:30	04/21/15 21:28	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	4070	1040	10	04/21/15 11:30	04/21/15 21:28	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	4070	802	10	04/21/15 11:30	04/21/15 21:28	207-08-9	
Chrysene	631J	ug/kg	4070	543	10	04/21/15 11:30	04/21/15 21:28	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	4070	864	10	04/21/15 11:30	04/21/15 21:28	53-70-3	
Fluoranthene	1330J	ug/kg	4070	593	10	04/21/15 11:30	04/21/15 21:28	206-44-0	
Fluorene	ND	ug/kg	4070	839	10	04/21/15 11:30	04/21/15 21:28	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	4070	839	10	04/21/15 11:30	04/21/15 21:28	193-39-5	
1-Methylnaphthalene	ND	ug/kg	4070	1060	10	04/21/15 11:30	04/21/15 21:28	90-12-0	
2-Methylnaphthalene	ND	ug/kg	4070	877	10	04/21/15 11:30	04/21/15 21:28	91-57-6	
Naphthalene	ND	ug/kg	4070	1000	10	04/21/15 11:30	04/21/15 21:28	91-20-3	
Phenanthrene	995J	ug/kg	4070	679	10	04/21/15 11:30	04/21/15 21:28	85-01-8	
Pyrene	906J	ug/kg	4070	691	10	04/21/15 11:30	04/21/15 21:28	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	0	%	23-110		10	04/21/15 11:30	04/21/15 21:28	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0	%	30-110		10	04/21/15 11:30	04/21/15 21:28	321-60-8	S4
Terphenyl-d14 (S)	0	%	28-110		10	04/21/15 11:30	04/21/15 21:28	1718-51-0	S4
8260/5035A Volatile Organics Analytical Method: EPA 8260									
Acetone	74.2J	ug/kg	200	20.0	1		04/14/15 21:28	67-64-1	
Benzene	ND	ug/kg	10	3.2	1		04/14/15 21:28	71-43-2	
Bromobenzene	ND	ug/kg	10	4.0	1		04/14/15 21:28	108-86-1	
Bromochloromethane	ND	ug/kg	10	3.4	1		04/14/15 21:28	74-97-5	
Bromodichloromethane	ND	ug/kg	10	3.8	1		04/14/15 21:28	75-27-4	
Bromoform	ND	ug/kg	10	4.6	1		04/14/15 21:28	75-25-2	
Bromomethane	ND	ug/kg	20.0	5.0	1		04/14/15 21:28	74-83-9	
2-Butanone (MEK)	ND	ug/kg	200	5.8	1		04/14/15 21:28	78-93-3	
n-Butylbenzene	ND	ug/kg	10	3.6	1		04/14/15 21:28	104-51-8	
sec-Butylbenzene	ND	ug/kg	10	3.2	1		04/14/15 21:28	135-98-8	
tert-Butylbenzene	ND	ug/kg	10	4.0	1		04/14/15 21:28	98-06-6	
Carbon tetrachloride	ND	ug/kg	10	5.2	1		04/14/15 21:28	56-23-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: GSS-603-800-2-1 **Lab ID: 92245073005** Collected: 04/10/15 09:15 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
Chlorobenzene	ND	ug/kg	10	3.8	1		04/14/15 21:28	108-90-7	
Chloroethane	ND	ug/kg	20.0	4.8	1		04/14/15 21:28	75-00-3	
Chloroform	ND	ug/kg	10	3.2	1		04/14/15 21:28	67-66-3	
Chloromethane	ND	ug/kg	20.0	4.8	1		04/14/15 21:28	74-87-3	
2-Chlorotoluene	ND	ug/kg	10	3.4	1		04/14/15 21:28	95-49-8	
4-Chlorotoluene	ND	ug/kg	10	3.6	1		04/14/15 21:28	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10	7.2	1		04/14/15 21:28	96-12-8	
Dibromochloromethane	ND	ug/kg	10	3.6	1		04/14/15 21:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	10	3.6	1		04/14/15 21:28	106-93-4	
Dibromomethane	ND	ug/kg	10	5.0	1		04/14/15 21:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	10	3.8	1		04/14/15 21:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	10	4.0	1		04/14/15 21:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	10	3.4	1		04/14/15 21:28	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	20.0	7.2	1		04/14/15 21:28	75-71-8	
1,1-Dichloroethane	ND	ug/kg	10	3.0	1		04/14/15 21:28	75-34-3	
1,2-Dichloroethane	ND	ug/kg	10	4.4	1		04/14/15 21:28	107-06-2	
1,1-Dichloroethene	ND	ug/kg	10	3.6	1		04/14/15 21:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	10	2.8	1		04/14/15 21:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	10	3.8	1		04/14/15 21:28	156-60-5	
1,2-Dichloropropane	ND	ug/kg	10	3.4	1		04/14/15 21:28	78-87-5	
1,3-Dichloropropane	ND	ug/kg	10	3.8	1		04/14/15 21:28	142-28-9	
2,2-Dichloropropane	ND	ug/kg	10	3.4	1		04/14/15 21:28	594-20-7	
1,1-Dichloropropene	ND	ug/kg	10	3.0	1		04/14/15 21:28	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	10	3.6	1		04/14/15 21:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	10	3.0	1		04/14/15 21:28	10061-02-6	
Diisopropyl ether	ND	ug/kg	10	3.4	1		04/14/15 21:28	108-20-3	
Ethylbenzene	ND	ug/kg	10	3.6	1		04/14/15 21:28	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	10	4.0	1		04/14/15 21:28	87-68-3	
2-Hexanone	ND	ug/kg	99.9	7.8	1		04/14/15 21:28	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	10	3.8	1		04/14/15 21:28	98-82-8	
p-Isopropyltoluene	ND	ug/kg	10	3.4	1		04/14/15 21:28	99-87-6	
Methylene Chloride	55.9	ug/kg	40.0	6.0	1		04/14/15 21:28	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	99.9	7.4	1		04/14/15 21:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	10	3.0	1		04/14/15 21:28	1634-04-4	
Naphthalene	ND	ug/kg	10	2.4	1		04/14/15 21:28	91-20-3	
n-Propylbenzene	ND	ug/kg	10	3.4	1		04/14/15 21:28	103-65-1	
Styrene	ND	ug/kg	10	3.6	1		04/14/15 21:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	10	4.2	1		04/14/15 21:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	10	3.8	1		04/14/15 21:28	79-34-5	
Tetrachloroethene	ND	ug/kg	10	3.4	1		04/14/15 21:28	127-18-4	
Toluene	ND	ug/kg	10	3.6	1		04/14/15 21:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	10	4.4	1		04/14/15 21:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	10	3.2	1		04/14/15 21:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	10	3.6	1		04/14/15 21:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	10	4.2	1		04/14/15 21:28	79-00-5	

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: GSS-603-800-2-1 **Lab ID: 92245073005** Collected: 04/10/15 09:15 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
Trichloroethene	ND	ug/kg	10	4.2	1		04/14/15 21:28	79-01-6	
Trichlorofluoromethane	ND	ug/kg	10	4.4	1		04/14/15 21:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	10	3.2	1		04/14/15 21:28	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	10	4.0	1		04/14/15 21:28	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	10	3.6	1		04/14/15 21:28	108-67-8	
Vinyl acetate	ND	ug/kg	99.9	17.6	1		04/14/15 21:28	108-05-4	
Vinyl chloride	ND	ug/kg	20.0	3.6	1		04/14/15 21:28	75-01-4	
Xylene (Total)	ND	ug/kg	20.0	7.2	1		04/14/15 21:28	1330-20-7	
m&p-Xylene	ND	ug/kg	20.0	7.2	1		04/14/15 21:28	179601-23-1	
o-Xylene	ND	ug/kg	10	3.8	1		04/14/15 21:28	95-47-6	
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		04/14/15 21:28	2037-26-5	IO
4-Bromofluorobenzene (S)	79	%	70-130		1		04/14/15 21:28	460-00-4	
1,2-Dichloroethane-d4 (S)	133	%	70-132		1		04/14/15 21:28	17060-07-0	S2
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	19.0	%	0.10	0.10	1		04/16/15 10:41		

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

Sample: GSS-603-800-2-2 **Lab ID: 92245073006** Collected: 04/10/15 09:30 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546									
Diesel Range Organics(C10-C28)	28.8	mg/kg	6.4	5.8	1	04/15/15 16:45	04/17/15 06:57		
Surrogates									
n-Pentacosane (S)	75	%	41-119		1	04/15/15 16:45	04/17/15 06:57	629-99-2	
8015 GCS THC-ORO Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546									
Oil Range Organics (C28-C40)	30.6	mg/kg	19.3	14.1	1	04/15/15 18:12	04/16/15 21:50		
Surrogates									
n-Pentacosane (S)	73	%	41-119		1	04/15/15 18:12	04/16/15 21:50	629-99-2	
8082 GCS PCB Analytical Method: EPA 8082 Preparation Method: EPA 3546									
PCB-1016 (Aroclor 1016)	ND	ug/kg	212	96.5	5	04/16/15 16:44	04/17/15 21:52	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	212	96.5	5	04/16/15 16:44	04/17/15 21:52	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	212	96.5	5	04/16/15 16:44	04/17/15 21:52	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	212	96.5	5	04/16/15 16:44	04/17/15 21:52	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	212	96.5	5	04/16/15 16:44	04/17/15 21:52	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	212	96.5	5	04/16/15 16:44	04/17/15 21:52	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	212	96.5	5	04/16/15 16:44	04/17/15 21:52	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	0	%	21-132		5	04/16/15 16:44	04/17/15 21:52	2051-24-3	D3,S4
Gasoline Range Organics Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B									
Gas Range Organics (C6-C10)	ND	mg/kg	10.1	10.1	1	04/15/15 14:14	04/15/15 23:25		
Surrogates									
4-Bromofluorobenzene (S)	124	%	70-167		1	04/15/15 14:14	04/15/15 23:25	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Aluminum	7370	mg/kg	11.1	5.5	1	04/14/15 16:45	04/15/15 16:05	7429-90-5	
Antimony	3.6	mg/kg	0.55	0.43	1	04/14/15 16:45	04/15/15 16:05	7440-36-0	
Arsenic	23.3	mg/kg	1.1	0.55	1	04/14/15 16:45	04/15/15 16:05	7440-38-2	
Barium	487	mg/kg	0.55	0.28	1	04/14/15 16:45	04/15/15 16:05	7440-39-3	
Beryllium	0.49	mg/kg	0.11	0.055	1	04/14/15 16:45	04/15/15 16:05	7440-41-7	
Cadmium	2.4	mg/kg	0.11	0.055	1	04/14/15 16:45	04/15/15 16:05	7440-43-9	
Calcium	78200	mg/kg	222	111	20	04/14/15 16:45	04/16/15 12:43	7440-70-2	
Chromium	17.6	mg/kg	0.55	0.28	1	04/14/15 16:45	04/15/15 16:05	7440-47-3	
Cobalt	8.0	mg/kg	0.55	0.28	1	04/14/15 16:45	04/15/15 16:05	7440-48-4	
Copper	60.8	mg/kg	0.55	0.28	1	04/14/15 16:45	04/15/15 16:05	7440-50-8	
Iron	7550	mg/kg	11.1	5.5	1	04/14/15 16:45	04/15/15 16:05	7439-89-6	
Lead	640	mg/kg	0.55	0.28	1	04/14/15 16:45	04/15/15 16:05	7439-92-1	
Magnesium	934	mg/kg	11.1	0.28	1	04/14/15 16:45	04/15/15 16:05	7439-95-4	
Manganese	364	mg/kg	0.55	0.28	1	04/14/15 16:45	04/15/15 16:05	7439-96-5	
Nickel	18.6	mg/kg	0.55	0.28	1	04/14/15 16:45	04/15/15 16:05	7440-02-0	
Potassium	1090	mg/kg	554	554	1	04/14/15 16:45	04/15/15 16:05	7440-09-7	
Selenium	5.1	mg/kg	1.1	0.55	1	04/14/15 16:45	04/15/15 16:05	7782-49-2	
Silver	1.4	mg/kg	0.55	0.28	1	04/14/15 16:45	04/15/15 16:05	7440-22-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: GSS-603-800-2-2 **Lab ID: 92245073006** Collected: 04/10/15 09:30 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Sodium	1600	mg/kg	554	277	1	04/14/15 16:45	04/15/15 16:05	7440-23-5	
Thallium	ND	mg/kg	1.1	0.55	1	04/14/15 16:45	04/15/15 16:05	7440-28-0	
Vanadium	30.1	mg/kg	0.55	0.28	1	04/14/15 16:45	04/15/15 16:05	7440-62-2	
Zinc	1690	mg/kg	22.2	11.1	20	04/14/15 16:45	04/16/15 12:43	7440-66-6	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	0.093	mg/kg	0.0047	0.000094	1	04/15/15 17:40	04/17/15 15:54	7439-97-6	
8270 MSSV PAH Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	424	97.8	1	04/21/15 11:30	04/22/15 20:18	83-32-9	
Acenaphthylene	ND	ug/kg	424	100	1	04/21/15 11:30	04/22/15 20:18	208-96-8	
Anthracene	ND	ug/kg	424	95.2	1	04/21/15 11:30	04/22/15 20:18	120-12-7	
Benzo(a)anthracene	ND	ug/kg	424	78.5	1	04/21/15 11:30	04/22/15 20:18	56-55-3	
Benzo(a)pyrene	ND	ug/kg	424	81.0	1	04/21/15 11:30	04/22/15 20:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	424	73.3	1	04/21/15 11:30	04/22/15 20:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	424	108	1	04/21/15 11:30	04/22/15 20:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	424	83.6	1	04/21/15 11:30	04/22/15 20:18	207-08-9	
Chrysene	ND	ug/kg	424	56.6	1	04/21/15 11:30	04/22/15 20:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	424	90.0	1	04/21/15 11:30	04/22/15 20:18	53-70-3	
Fluoranthene	ND	ug/kg	424	61.7	1	04/21/15 11:30	04/22/15 20:18	206-44-0	
Fluorene	ND	ug/kg	424	87.5	1	04/21/15 11:30	04/22/15 20:18	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	424	87.5	1	04/21/15 11:30	04/22/15 20:18	193-39-5	
1-Methylnaphthalene	ND	ug/kg	424	111	1	04/21/15 11:30	04/22/15 20:18	90-12-0	
2-Methylnaphthalene	ND	ug/kg	424	91.3	1	04/21/15 11:30	04/22/15 20:18	91-57-6	
Naphthalene	ND	ug/kg	424	104	1	04/21/15 11:30	04/22/15 20:18	91-20-3	
Phenanthrene	ND	ug/kg	424	70.7	1	04/21/15 11:30	04/22/15 20:18	85-01-8	
Pyrene	ND	ug/kg	424	72.0	1	04/21/15 11:30	04/22/15 20:18	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	40	%	23-110		1	04/21/15 11:30	04/22/15 20:18	4165-60-0	
2-Fluorobiphenyl (S)	38	%	30-110		1	04/21/15 11:30	04/22/15 20:18	321-60-8	
Terphenyl-d14 (S)	53	%	28-110		1	04/21/15 11:30	04/22/15 20:18	1718-51-0	
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
Acetone	ND	ug/kg	194	19.4	1		04/14/15 21:48	67-64-1	
Benzene	ND	ug/kg	9.7	3.1	1		04/14/15 21:48	71-43-2	
Bromobenzene	ND	ug/kg	9.7	3.9	1		04/14/15 21:48	108-86-1	
Bromochloromethane	ND	ug/kg	9.7	3.3	1		04/14/15 21:48	74-97-5	
Bromodichloromethane	ND	ug/kg	9.7	3.7	1		04/14/15 21:48	75-27-4	
Bromoform	ND	ug/kg	9.7	4.5	1		04/14/15 21:48	75-25-2	
Bromomethane	ND	ug/kg	19.4	4.9	1		04/14/15 21:48	74-83-9	
2-Butanone (MEK)	ND	ug/kg	194	5.6	1		04/14/15 21:48	78-93-3	
n-Butylbenzene	ND	ug/kg	9.7	3.5	1		04/14/15 21:48	104-51-8	
sec-Butylbenzene	ND	ug/kg	9.7	3.1	1		04/14/15 21:48	135-98-8	
tert-Butylbenzene	ND	ug/kg	9.7	3.9	1		04/14/15 21:48	98-06-6	
Carbon tetrachloride	ND	ug/kg	9.7	5.1	1		04/14/15 21:48	56-23-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

Sample: GSS-603-800-2-2 **Lab ID: 92245073006** Collected: 04/10/15 09:30 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
Chlorobenzene	ND	ug/kg	9.7	3.7	1		04/14/15 21:48	108-90-7	
Chloroethane	ND	ug/kg	19.4	4.7	1		04/14/15 21:48	75-00-3	
Chloroform	ND	ug/kg	9.7	3.1	1		04/14/15 21:48	67-66-3	
Chloromethane	ND	ug/kg	19.4	4.7	1		04/14/15 21:48	74-87-3	
2-Chlorotoluene	ND	ug/kg	9.7	3.3	1		04/14/15 21:48	95-49-8	
4-Chlorotoluene	ND	ug/kg	9.7	3.5	1		04/14/15 21:48	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	9.7	7.0	1		04/14/15 21:48	96-12-8	
Dibromochloromethane	ND	ug/kg	9.7	3.5	1		04/14/15 21:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	9.7	3.5	1		04/14/15 21:48	106-93-4	
Dibromomethane	ND	ug/kg	9.7	4.9	1		04/14/15 21:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	9.7	3.7	1		04/14/15 21:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	9.7	3.9	1		04/14/15 21:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	9.7	3.3	1		04/14/15 21:48	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	19.4	7.0	1		04/14/15 21:48	75-71-8	
1,1-Dichloroethane	ND	ug/kg	9.7	2.9	1		04/14/15 21:48	75-34-3	
1,2-Dichloroethane	ND	ug/kg	9.7	4.3	1		04/14/15 21:48	107-06-2	
1,1-Dichloroethene	ND	ug/kg	9.7	3.5	1		04/14/15 21:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	9.7	2.7	1		04/14/15 21:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	9.7	3.7	1		04/14/15 21:48	156-60-5	
1,2-Dichloropropane	ND	ug/kg	9.7	3.3	1		04/14/15 21:48	78-87-5	
1,3-Dichloropropane	ND	ug/kg	9.7	3.7	1		04/14/15 21:48	142-28-9	
2,2-Dichloropropane	ND	ug/kg	9.7	3.3	1		04/14/15 21:48	594-20-7	
1,1-Dichloropropene	ND	ug/kg	9.7	2.9	1		04/14/15 21:48	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	9.7	3.5	1		04/14/15 21:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	9.7	2.9	1		04/14/15 21:48	10061-02-6	
Diisopropyl ether	ND	ug/kg	9.7	3.3	1		04/14/15 21:48	108-20-3	
Ethylbenzene	ND	ug/kg	9.7	3.5	1		04/14/15 21:48	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	9.7	3.9	1		04/14/15 21:48	87-68-3	
2-Hexanone	ND	ug/kg	97.2	7.6	1		04/14/15 21:48	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	9.7	3.7	1		04/14/15 21:48	98-82-8	
p-Isopropyltoluene	ND	ug/kg	9.7	3.3	1		04/14/15 21:48	99-87-6	
Methylene Chloride	13.4J	ug/kg	38.9	5.8	1		04/14/15 21:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	97.2	7.2	1		04/14/15 21:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	9.7	2.9	1		04/14/15 21:48	1634-04-4	
Naphthalene	ND	ug/kg	9.7	2.3	1		04/14/15 21:48	91-20-3	
n-Propylbenzene	ND	ug/kg	9.7	3.3	1		04/14/15 21:48	103-65-1	
Styrene	ND	ug/kg	9.7	3.5	1		04/14/15 21:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	9.7	4.1	1		04/14/15 21:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	9.7	3.7	1		04/14/15 21:48	79-34-5	
Tetrachloroethene	ND	ug/kg	9.7	3.3	1		04/14/15 21:48	127-18-4	
Toluene	ND	ug/kg	9.7	3.5	1		04/14/15 21:48	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	9.7	4.3	1		04/14/15 21:48	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	9.7	3.1	1		04/14/15 21:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	9.7	3.5	1		04/14/15 21:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	9.7	4.1	1		04/14/15 21:48	79-00-5	

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: GSS-603-800-2-2 **Lab ID: 92245073006** Collected: 04/10/15 09:30 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
Trichloroethene	ND	ug/kg	9.7	4.1	1		04/14/15 21:48	79-01-6	
Trichlorofluoromethane	ND	ug/kg	9.7	4.3	1		04/14/15 21:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	9.7	3.1	1		04/14/15 21:48	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	9.7	3.9	1		04/14/15 21:48	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	9.7	3.5	1		04/14/15 21:48	108-67-8	
Vinyl acetate	ND	ug/kg	97.2	17.1	1		04/14/15 21:48	108-05-4	
Vinyl chloride	ND	ug/kg	19.4	3.5	1		04/14/15 21:48	75-01-4	
Xylene (Total)	ND	ug/kg	19.4	7.0	1		04/14/15 21:48	1330-20-7	
m&p-Xylene	ND	ug/kg	19.4	7.0	1		04/14/15 21:48	179601-23-1	
o-Xylene	ND	ug/kg	9.7	3.7	1		04/14/15 21:48	95-47-6	
Surrogates									
Toluene-d8 (S)	97	%	70-130		1		04/14/15 21:48	2037-26-5	2g
4-Bromofluorobenzene (S)	79	%	70-130		1		04/14/15 21:48	460-00-4	
1,2-Dichloroethane-d4 (S)	129	%	70-132		1		04/14/15 21:48	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	22.3	%	0.10	0.10	1		04/16/15 10:41		

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: GTW-605-802-7-1 **Lab ID: 92245073007** Collected: 04/10/15 09:45 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546									
Diesel Range Organics(C10-C28)	299	mg/kg	6.4	5.8	1	04/15/15 16:45	04/17/15 06:57		
Surrogates									
n-Pentacosane (S)	82	%	41-119		1	04/15/15 16:45	04/17/15 06:57	629-99-2	
8015 GCS THC-ORO Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546									
Oil Range Organics (C28-C40)	319	mg/kg	19.3	14.1	1	04/15/15 18:12	04/16/15 22:13		
Surrogates									
n-Pentacosane (S)	123	%	41-119		1	04/15/15 18:12	04/16/15 22:13	629-99-2	S5
8082 GCS PCB Analytical Method: EPA 8082 Preparation Method: EPA 3546									
PCB-1016 (Aroclor 1016)	ND	ug/kg	379	172	5	04/16/15 16:44	04/17/15 22:12	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	379	172	5	04/16/15 16:44	04/17/15 22:12	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	379	172	5	04/16/15 16:44	04/17/15 22:12	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	379	172	5	04/16/15 16:44	04/17/15 22:12	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	379	172	5	04/16/15 16:44	04/17/15 22:12	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	379	172	5	04/16/15 16:44	04/17/15 22:12	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	379	172	5	04/16/15 16:44	04/17/15 22:12	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	0	%	21-132		5	04/16/15 16:44	04/17/15 22:12	2051-24-3	D3,S4
Gasoline Range Organics Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B									
Gas Range Organics (C6-C10)	10.7	mg/kg	7.7	7.7	1	04/15/15 14:14	04/15/15 23:51		
Surrogates									
4-Bromofluorobenzene (S)	123	%	70-167		1	04/15/15 14:14	04/15/15 23:51	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Aluminum	4400	mg/kg	11.9	6.0	1	04/14/15 16:45	04/15/15 16:09	7429-90-5	
Antimony	2.4	mg/kg	0.60	0.46	1	04/14/15 16:45	04/15/15 16:09	7440-36-0	
Arsenic	3.9	mg/kg	1.2	0.60	1	04/14/15 16:45	04/15/15 16:09	7440-38-2	
Barium	53.2	mg/kg	0.60	0.30	1	04/14/15 16:45	04/15/15 16:09	7440-39-3	
Beryllium	0.91	mg/kg	0.12	0.060	1	04/14/15 16:45	04/15/15 16:09	7440-41-7	
Cadmium	0.25	mg/kg	0.12	0.060	1	04/14/15 16:45	04/15/15 16:09	7440-43-9	
Calcium	4120	mg/kg	11.9	6.0	1	04/14/15 16:45	04/15/15 16:09	7440-70-2	
Chromium	9.8	mg/kg	0.60	0.30	1	04/14/15 16:45	04/15/15 16:09	7440-47-3	
Cobalt	3.9	mg/kg	0.60	0.30	1	04/14/15 16:45	04/15/15 16:09	7440-48-4	
Copper	53.1	mg/kg	0.60	0.30	1	04/14/15 16:45	04/15/15 16:09	7440-50-8	
Iron	14700	mg/kg	238	119	20	04/14/15 16:45	04/16/15 12:46	7439-89-6	
Lead	62.1	mg/kg	0.60	0.30	1	04/14/15 16:45	04/15/15 16:09	7439-92-1	
Magnesium	392	mg/kg	11.9	0.30	1	04/14/15 16:45	04/15/15 16:09	7439-95-4	
Manganese	57.6	mg/kg	0.60	0.30	1	04/14/15 16:45	04/15/15 16:09	7439-96-5	
Nickel	9.6	mg/kg	0.60	0.30	1	04/14/15 16:45	04/15/15 16:09	7440-02-0	
Potassium	ND	mg/kg	596	596	1	04/14/15 16:45	04/15/15 16:09	7440-09-7	
Selenium	ND	mg/kg	1.2	0.60	1	04/14/15 16:45	04/15/15 16:09	7782-49-2	
Silver	0.73	mg/kg	0.60	0.30	1	04/14/15 16:45	04/15/15 16:09	7440-22-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

Sample: **GTW-605-802-7-1** Lab ID: **92245073007** Collected: 04/10/15 09:45 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Sodium	ND	mg/kg	596	298	1	04/14/15 16:45	04/15/15 16:09	7440-23-5	
Thallium	ND	mg/kg	1.2	0.60	1	04/14/15 16:45	04/15/15 16:09	7440-28-0	
Vanadium	19.8	mg/kg	0.60	0.30	1	04/14/15 16:45	04/15/15 16:09	7440-62-2	
Zinc	41.7	mg/kg	1.2	0.60	1	04/14/15 16:45	04/15/15 16:09	7440-66-6	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.021	mg/kg	0.0055	0.00011	1	04/15/15 17:40	04/17/15 15:58	7439-97-6	
8270 MSSV PAH Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	ND	ug/kg	6370	1470	10	04/21/15 11:30	04/21/15 22:24	83-32-9	
Acenaphthylene	ND	ug/kg	6370	1500	10	04/21/15 11:30	04/21/15 22:24	208-96-8	
Anthracene	ND	ug/kg	6370	1430	10	04/21/15 11:30	04/21/15 22:24	120-12-7	
Benzo(a)anthracene	ND	ug/kg	6370	1180	10	04/21/15 11:30	04/21/15 22:24	56-55-3	
Benzo(a)pyrene	ND	ug/kg	6370	1220	10	04/21/15 11:30	04/21/15 22:24	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	6370	1100	10	04/21/15 11:30	04/21/15 22:24	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	6370	1620	10	04/21/15 11:30	04/21/15 22:24	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	6370	1250	10	04/21/15 11:30	04/21/15 22:24	207-08-9	
Chrysene	ND	ug/kg	6370	849	10	04/21/15 11:30	04/21/15 22:24	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	6370	1350	10	04/21/15 11:30	04/21/15 22:24	53-70-3	
Fluoranthene	ND	ug/kg	6370	926	10	04/21/15 11:30	04/21/15 22:24	206-44-0	
Fluorene	ND	ug/kg	6370	1310	10	04/21/15 11:30	04/21/15 22:24	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	6370	1310	10	04/21/15 11:30	04/21/15 22:24	193-39-5	
1-Methylnaphthalene	2840J	ug/kg	6370	1660	10	04/21/15 11:30	04/21/15 22:24	90-12-0	
2-Methylnaphthalene	3420J	ug/kg	6370	1370	10	04/21/15 11:30	04/21/15 22:24	91-57-6	
Naphthalene	2750J	ug/kg	6370	1560	10	04/21/15 11:30	04/21/15 22:24	91-20-3	
Phenanthrene	1670J	ug/kg	6370	1060	10	04/21/15 11:30	04/21/15 22:24	85-01-8	
Pyrene	ND	ug/kg	6370	1080	10	04/21/15 11:30	04/21/15 22:24	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	0	%	23-110		10	04/21/15 11:30	04/21/15 22:24	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0	%	30-110		10	04/21/15 11:30	04/21/15 22:24	321-60-8	S4
Terphenyl-d14 (S)	0	%	28-110		10	04/21/15 11:30	04/21/15 22:24	1718-51-0	S4
8260/5035A Volatile Organics Analytical Method: EPA 8260									
Acetone	173J	ug/kg	193	19.3	1		04/15/15 20:38	67-64-1	
Benzene	ND	ug/kg	9.6	3.1	1		04/15/15 20:38	71-43-2	
Bromobenzene	ND	ug/kg	9.6	3.9	1		04/15/15 20:38	108-86-1	
Bromochloromethane	ND	ug/kg	9.6	3.3	1		04/15/15 20:38	74-97-5	
Bromodichloromethane	ND	ug/kg	9.6	3.7	1		04/15/15 20:38	75-27-4	
Bromoform	ND	ug/kg	9.6	4.4	1		04/15/15 20:38	75-25-2	
Bromomethane	ND	ug/kg	19.3	4.8	1		04/15/15 20:38	74-83-9	
2-Butanone (MEK)	ND	ug/kg	193	5.6	1		04/15/15 20:38	78-93-3	
n-Butylbenzene	ND	ug/kg	9.6	3.5	1		04/15/15 20:38	104-51-8	
sec-Butylbenzene	ND	ug/kg	9.6	3.1	1		04/15/15 20:38	135-98-8	
tert-Butylbenzene	ND	ug/kg	9.6	3.9	1		04/15/15 20:38	98-06-6	
Carbon tetrachloride	ND	ug/kg	9.6	5.0	1		04/15/15 20:38	56-23-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: GTW-605-802-7-1 **Lab ID:** 92245073007 Collected: 04/10/15 09:45 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
Chlorobenzene	ND	ug/kg	9.6	3.7	1		04/15/15 20:38	108-90-7	
Chloroethane	ND	ug/kg	19.3	4.6	1		04/15/15 20:38	75-00-3	
Chloroform	ND	ug/kg	9.6	3.1	1		04/15/15 20:38	67-66-3	
Chloromethane	ND	ug/kg	19.3	4.6	1		04/15/15 20:38	74-87-3	
2-Chlorotoluene	ND	ug/kg	9.6	3.3	1		04/15/15 20:38	95-49-8	
4-Chlorotoluene	ND	ug/kg	9.6	3.5	1		04/15/15 20:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	9.6	6.9	1		04/15/15 20:38	96-12-8	
Dibromochloromethane	ND	ug/kg	9.6	3.5	1		04/15/15 20:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	9.6	3.5	1		04/15/15 20:38	106-93-4	
Dibromomethane	ND	ug/kg	9.6	4.8	1		04/15/15 20:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	9.6	3.7	1		04/15/15 20:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	9.6	3.9	1		04/15/15 20:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	9.6	3.3	1		04/15/15 20:38	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	19.3	6.9	1		04/15/15 20:38	75-71-8	
1,1-Dichloroethane	ND	ug/kg	9.6	2.9	1		04/15/15 20:38	75-34-3	
1,2-Dichloroethane	ND	ug/kg	9.6	4.2	1		04/15/15 20:38	107-06-2	
1,1-Dichloroethene	ND	ug/kg	9.6	3.5	1		04/15/15 20:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	9.6	2.7	1		04/15/15 20:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	9.6	3.7	1		04/15/15 20:38	156-60-5	
1,2-Dichloropropane	ND	ug/kg	9.6	3.3	1		04/15/15 20:38	78-87-5	
1,3-Dichloropropane	ND	ug/kg	9.6	3.7	1		04/15/15 20:38	142-28-9	
2,2-Dichloropropane	ND	ug/kg	9.6	3.3	1		04/15/15 20:38	594-20-7	
1,1-Dichloropropene	ND	ug/kg	9.6	2.9	1		04/15/15 20:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	9.6	3.5	1		04/15/15 20:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	9.6	2.9	1		04/15/15 20:38	10061-02-6	
Diisopropyl ether	ND	ug/kg	9.6	3.3	1		04/15/15 20:38	108-20-3	
Ethylbenzene	ND	ug/kg	9.6	3.5	1		04/15/15 20:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	9.6	3.9	1		04/15/15 20:38	87-68-3	
2-Hexanone	ND	ug/kg	96.3	7.5	1		04/15/15 20:38	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	9.6	3.7	1		04/15/15 20:38	98-82-8	
p-Isopropyltoluene	ND	ug/kg	9.6	3.3	1		04/15/15 20:38	99-87-6	
Methylene Chloride	21.6J	ug/kg	38.5	5.8	1		04/15/15 20:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	96.3	7.1	1		04/15/15 20:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	9.6	2.9	1		04/15/15 20:38	1634-04-4	
Naphthalene	ND	ug/kg	9.6	2.3	1		04/15/15 20:38	91-20-3	
n-Propylbenzene	ND	ug/kg	9.6	3.3	1		04/15/15 20:38	103-65-1	
Styrene	ND	ug/kg	9.6	3.5	1		04/15/15 20:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	9.6	4.0	1		04/15/15 20:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	9.6	3.7	1		04/15/15 20:38	79-34-5	
Tetrachloroethene	ND	ug/kg	9.6	3.3	1		04/15/15 20:38	127-18-4	
Toluene	ND	ug/kg	9.6	3.5	1		04/15/15 20:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	9.6	4.2	1		04/15/15 20:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	9.6	3.1	1		04/15/15 20:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	9.6	3.5	1		04/15/15 20:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	9.6	4.0	1		04/15/15 20:38	79-00-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: GTW-605-802-7-1 **Lab ID: 92245073007** Collected: 04/10/15 09:45 Received: 04/11/15 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
Trichloroethene	ND	ug/kg	9.6	4.0	1		04/15/15 20:38	79-01-6	
Trichlorofluoromethane	ND	ug/kg	9.6	4.2	1		04/15/15 20:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	9.6	3.1	1		04/15/15 20:38	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	9.6	3.9	1		04/15/15 20:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	9.6	3.5	1		04/15/15 20:38	108-67-8	
Vinyl acetate	ND	ug/kg	96.3	16.9	1		04/15/15 20:38	108-05-4	
Vinyl chloride	ND	ug/kg	19.3	3.5	1		04/15/15 20:38	75-01-4	
Xylene (Total)	ND	ug/kg	19.3	6.9	1		04/15/15 20:38	1330-20-7	
m&p-Xylene	ND	ug/kg	19.3	6.9	1		04/15/15 20:38	179601-23-1	
o-Xylene	ND	ug/kg	9.6	3.7	1		04/15/15 20:38	95-47-6	
Surrogates									
Toluene-d8 (S)	95	%	70-130		1		04/15/15 20:38	2037-26-5	2g
4-Bromofluorobenzene (S)	73	%	70-130		1		04/15/15 20:38	460-00-4	
1,2-Dichloroethane-d4 (S)	130	%	70-132		1		04/15/15 20:38	17060-07-0	

Percent Moisture Analytical Method: ASTM D2974-87

Percent Moisture	22.3	%	0.10	0.10	1		04/16/15 10:41		
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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: GTW-605-802-6-2 **Lab ID: 92245073008** Collected: 04/10/15 12:40 Received: 04/11/15 09:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Gasoline Range Organics		Analytical Method: EPA 5030/8015 Mod.							
Gas Range Organics (C6-C10)	ND	mg/L	0.080	0.016	1		04/15/15 02:05		
Surrogates									
4-Bromofluorobenzene (S)	114	%	70-145		1		04/15/15 02:05	460-00-4	
8260 MSV Low Level		Analytical Method: EPA 8260							
Acetone	ND	ug/L	250	100	10		04/17/15 18:20	67-64-1	
Benzene	ND	ug/L	10.0	2.5	10		04/17/15 18:20	71-43-2	
Bromobenzene	ND	ug/L	10.0	3.0	10		04/17/15 18:20	108-86-1	
Bromochloromethane	ND	ug/L	10.0	1.7	10		04/17/15 18:20	74-97-5	
Bromodichloromethane	ND	ug/L	10.0	1.8	10		04/17/15 18:20	75-27-4	
Bromoform	ND	ug/L	10.0	2.6	10		04/17/15 18:20	75-25-2	
Bromomethane	ND	ug/L	20.0	2.9	10		04/17/15 18:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	50.0	9.6	10		04/17/15 18:20	78-93-3	
Carbon tetrachloride	ND	ug/L	10.0	2.5	10		04/17/15 18:20	56-23-5	
Chlorobenzene	ND	ug/L	10.0	2.3	10		04/17/15 18:20	108-90-7	
Chloroethane	ND	ug/L	10.0	5.4	10		04/17/15 18:20	75-00-3	
Chloroform	ND	ug/L	10.0	1.4	10		04/17/15 18:20	67-66-3	
Chloromethane	ND	ug/L	10.0	1.1	10		04/17/15 18:20	74-87-3	
2-Chlorotoluene	ND	ug/L	10.0	3.5	10		04/17/15 18:20	95-49-8	
4-Chlorotoluene	ND	ug/L	10.0	3.1	10		04/17/15 18:20	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	20.0	20.0	10		04/17/15 18:20	96-12-8	
Dibromochloromethane	ND	ug/L	10.0	2.1	10		04/17/15 18:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	10.0	2.7	10		04/17/15 18:20	106-93-4	
Dibromomethane	ND	ug/L	10.0	2.1	10		04/17/15 18:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	10.0	3.0	10		04/17/15 18:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	2.4	10		04/17/15 18:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	3.3	10		04/17/15 18:20	106-46-7	
Dichlorodifluoromethane	ND	ug/L	10.0	2.1	10		04/17/15 18:20	75-71-8	
1,1-Dichloroethane	ND	ug/L	10.0	3.2	10		04/17/15 18:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	10.0	1.2	10		04/17/15 18:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	10.0	5.6	10		04/17/15 18:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	10.0	1.9	10		04/17/15 18:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	10.0	4.9	10		04/17/15 18:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	10.0	2.7	10		04/17/15 18:20	78-87-5	
1,3-Dichloropropane	ND	ug/L	10.0	2.8	10		04/17/15 18:20	142-28-9	
2,2-Dichloropropane	ND	ug/L	10.0	1.3	10		04/17/15 18:20	594-20-7	
1,1-Dichloropropene	ND	ug/L	10.0	4.9	10		04/17/15 18:20	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	10.0	1.3	10		04/17/15 18:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	10.0	2.6	10		04/17/15 18:20	10061-02-6	
Diisopropyl ether	ND	ug/L	10.0	1.2	10		04/17/15 18:20	108-20-3	
Ethylbenzene	ND	ug/L	10.0	3.0	10		04/17/15 18:20	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	7.1	10		04/17/15 18:20	87-68-3	
2-Hexanone	ND	ug/L	50.0	4.6	10		04/17/15 18:20	591-78-6	
p-Isopropyltoluene	ND	ug/L	10.0	3.1	10		04/17/15 18:20	99-87-6	
Methylene Chloride	42.4	ug/L	20.0	9.7	10		04/17/15 18:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	50.0	3.3	10		04/17/15 18:20	108-10-1	

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: GTW-605-802-6-2 **Lab ID: 92245073008** Collected: 04/10/15 12:40 Received: 04/11/15 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 8260							
Methyl-tert-butyl ether	ND	ug/L	10.0	2.1	10		04/17/15 18:20	1634-04-4	
Naphthalene	ND	ug/L	10.0	2.4	10		04/17/15 18:20	91-20-3	
Styrene	ND	ug/L	10.0	2.6	10		04/17/15 18:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	10.0	3.3	10		04/17/15 18:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	10.0	4.0	10		04/17/15 18:20	79-34-5	
Tetrachloroethene	ND	ug/L	10.0	4.6	10		04/17/15 18:20	127-18-4	
Toluene	ND	ug/L	10.0	2.6	10		04/17/15 18:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	10.0	3.3	10		04/17/15 18:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	3.5	10		04/17/15 18:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	10.0	4.8	10		04/17/15 18:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	10.0	2.9	10		04/17/15 18:20	79-00-5	
Trichloroethene	ND	ug/L	10.0	4.7	10		04/17/15 18:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	2.0	10		04/17/15 18:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	10.0	4.1	10		04/17/15 18:20	96-18-4	
Vinyl acetate	ND	ug/L	20.0	3.5	10		04/17/15 18:20	108-05-4	
Vinyl chloride	ND	ug/L	10.0	6.2	10		04/17/15 18:20	75-01-4	
Xylene (Total)	ND	ug/L	20.0	6.6	10		04/17/15 18:20	1330-20-7	
m&p-Xylene	ND	ug/L	20.0	6.6	10		04/17/15 18:20	179601-23-1	
o-Xylene	ND	ug/L	10.0	2.3	10		04/17/15 18:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		10		04/17/15 18:20	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		10		04/17/15 18:20	17060-07-0	
Toluene-d8 (S)	101	%	70-130		10		04/17/15 18:20	2037-26-5	

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: GTW-605-802-9-2		Lab ID: 92245073009		Collected: 04/10/15 12:55	Received: 04/11/15 09:00	Matrix: Water				
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual	
8015 GCS THC-Diesel		Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510								
Diesel Range Organics(C10-C28)	ND	mg/L	0.50	0.10	1	04/17/15 17:00	04/19/15 19:13			
Surrogates										
n-Pentacosane (S)	56	%	48-110		1	04/17/15 17:00	04/19/15 19:13	629-99-2		
8015 GCS THC-Oil for SP		Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510								
Oil Range Organics (C28-C40)	ND	mg/L	2.0	0.10	1	04/17/15 17:00	04/19/15 19:13			
Surrogates										
n-Pentacosane (S)	58	%	48-110		1	04/17/15 17:00	04/19/15 19:13	629-99-2		
Gasoline Range Organics		Analytical Method: EPA 5030/8015 Mod.								
Gas Range Organics (C6-C10)	ND	mg/L	0.080	0.016	1		04/15/15 02:27			
Surrogates										
4-Bromofluorobenzene (S)	113	%	70-145		1		04/15/15 02:27	460-00-4		
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Aluminum	24300	ug/L	100	50.0	1	04/14/15 14:15	04/15/15 20:56	7429-90-5		
Antimony	6.9	ug/L	5.0	3.9	1	04/14/15 14:15	04/15/15 20:56	7440-36-0		
Arsenic	10.6	ug/L	10.0	5.0	1	04/14/15 14:15	04/15/15 20:56	7440-38-2		
Barium	359	ug/L	5.0	2.5	1	04/14/15 14:15	04/15/15 20:56	7440-39-3		
Beryllium	1.5	ug/L	1.0	0.050	1	04/14/15 14:15	04/15/15 20:56	7440-41-7		
Cadmium	1.3	ug/L	1.0	0.050	1	04/14/15 14:15	04/15/15 20:56	7440-43-9		
Calcium	125000	ug/L	1000	500	10	04/14/15 14:15	04/16/15 12:28	7440-70-2		
Chromium	41.6	ug/L	5.0	2.5	1	04/14/15 14:15	04/15/15 20:56	7440-47-3		
Cobalt	82.2	ug/L	5.0	2.5	1	04/14/15 14:15	04/15/15 20:56	7440-48-4		
Copper	42.2	ug/L	5.0	2.5	1	04/14/15 14:15	04/15/15 20:56	7440-50-8		
Iron	45600	ug/L	50.0	25.0	1	04/14/15 14:15	04/15/15 20:56	7439-89-6		
Lead	30.2	ug/L	5.0	2.5	1	04/14/15 14:15	04/15/15 20:56	7439-92-1		
Magnesium	73900	ug/L	100	50.0	1	04/14/15 14:15	04/15/15 20:56	7439-95-4		
Manganese	17600	ug/L	50.0	25.0	10	04/14/15 14:15	04/16/15 12:28	7439-96-5		
Nickel	41.6	ug/L	5.0	2.5	1	04/14/15 14:15	04/15/15 20:56	7440-02-0		
Potassium	8780	ug/L	5000	2500	1	04/14/15 14:15	04/15/15 20:56	7440-09-7		
Selenium	ND	ug/L	10.0	5.0	1	04/14/15 14:15	04/15/15 20:56	7782-49-2		
Silver	3.9J	ug/L	5.0	2.5	1	04/14/15 14:15	04/15/15 20:56	7440-22-4		
Sodium	411000	ug/L	50000	25000	10	04/14/15 14:15	04/16/15 12:28	7440-23-5		
Thallium	ND	ug/L	10.0	5.0	1	04/14/15 14:15	04/15/15 20:56	7440-28-0		
Vanadium	69.8	ug/L	5.0	2.5	1	04/14/15 14:15	04/15/15 20:56	7440-62-2		
Zinc	107	ug/L	10.0	5.0	1	04/14/15 14:15	04/15/15 20:56	7440-66-6		
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	04/15/15 10:50	04/16/15 14:40	7439-97-6		
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	20.0	2.2	1	04/17/15 10:30	04/19/15 15:55	83-32-9	L2	
Acenaphthylene	ND	ug/L	20.0	2.0	1	04/17/15 10:30	04/19/15 15:55	208-96-8	L2	
Aniline	ND	ug/L	20.0	1.6	1	04/17/15 10:30	04/19/15 15:55	62-53-3	L2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

Sample: GTW-605-802-9-2 **Lab ID: 92245073009** Collected: 04/10/15 12:55 Received: 04/11/15 09:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8270 MSSV Semivolatile Organic			Analytical Method: EPA 8270 Preparation Method: EPA 3510						
Anthracene	ND	ug/L	20.0	0.94	1	04/17/15 10:30	04/19/15 15:55	120-12-7	
Benzo(a)anthracene	ND	ug/L	20.0	0.94	1	04/17/15 10:30	04/19/15 15:55	56-55-3	
Benzo(a)pyrene	ND	ug/L	20.0	1.1	1	04/17/15 10:30	04/19/15 15:55	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	20.0	0.88	1	04/17/15 10:30	04/19/15 15:55	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	20.0	0.90	1	04/17/15 10:30	04/19/15 15:55	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	20.0	1.1	1	04/17/15 10:30	04/19/15 15:55	207-08-9	
Benzoic Acid	ND	ug/L	100	9.8	1	04/17/15 10:30	04/19/15 15:55	65-85-0	L2
Benzyl alcohol	ND	ug/L	40.0	4.2	1	04/17/15 10:30	04/19/15 15:55	100-51-6	L2
4-Bromophenylphenyl ether	ND	ug/L	20.0	2.0	1	04/17/15 10:30	04/19/15 15:55	101-55-3	
Butylbenzylphthalate	ND	ug/L	20.0	0.96	1	04/17/15 10:30	04/19/15 15:55	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	40.0	4.0	1	04/17/15 10:30	04/19/15 15:55	59-50-7	L2
4-Chloroaniline	ND	ug/L	40.0	3.2	1	04/17/15 10:30	04/19/15 15:55	106-47-8	L2
bis(2-Chloroethoxy)methane	ND	ug/L	20.0	2.6	1	04/17/15 10:30	04/19/15 15:55	111-91-1	L2
bis(2-Chloroethyl) ether	ND	ug/L	20.0	1.8	1	04/17/15 10:30	04/19/15 15:55	111-44-4	L2
bis(2-Chloroisopropyl) ether	ND	ug/L	20.0	1.7	1	04/17/15 10:30	04/19/15 15:55	108-60-1	L2
2-Chloronaphthalene	ND	ug/L	20.0	2.0	1	04/17/15 10:30	04/19/15 15:55	91-58-7	L2
2-Chlorophenol	ND	ug/L	20.0	2.0	1	04/17/15 10:30	04/19/15 15:55	95-57-8	L2
4-Chlorophenylphenyl ether	ND	ug/L	20.0	2.2	1	04/17/15 10:30	04/19/15 15:55	7005-72-3	
Chrysene	ND	ug/L	20.0	0.98	1	04/17/15 10:30	04/19/15 15:55	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	20.0	0.98	1	04/17/15 10:30	04/19/15 15:55	53-70-3	
Dibenzofuran	ND	ug/L	20.0	2.0	1	04/17/15 10:30	04/19/15 15:55	132-64-9	L2
1,2-Dichlorobenzene	ND	ug/L	20.0	1.4	1	04/17/15 10:30	04/19/15 15:55	95-50-1	L2
1,3-Dichlorobenzene	ND	ug/L	20.0	1.6	1	04/17/15 10:30	04/19/15 15:55	541-73-1	L2
1,4-Dichlorobenzene	ND	ug/L	20.0	1.6	1	04/17/15 10:30	04/19/15 15:55	106-46-7	L2
3,3'-Dichlorobenzidine	ND	ug/L	40.0	1.4	1	04/17/15 10:30	04/19/15 15:55	91-94-1	
2,4-Dichlorophenol	ND	ug/L	20.0	1.7	1	04/17/15 10:30	04/19/15 15:55	120-83-2	L2
Diethylphthalate	ND	ug/L	20.0	1.8	1	04/17/15 10:30	04/19/15 15:55	84-66-2	
2,4-Dimethylphenol	ND	ug/L	20.0	1.9	1	04/17/15 10:30	04/19/15 15:55	105-67-9	L2
Dimethylphthalate	ND	ug/L	20.0	1.2	1	04/17/15 10:30	04/19/15 15:55	131-11-3	
Di-n-butylphthalate	ND	ug/L	20.0	0.74	1	04/17/15 10:30	04/19/15 15:55	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	40.0	2.2	1	04/17/15 10:30	04/19/15 15:55	534-52-1	
2,4-Dinitrophenol	ND	ug/L	100	5.0	1	04/17/15 10:30	04/19/15 15:55	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	20.0	1.8	1	04/17/15 10:30	04/19/15 15:55	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	20.0	4.2	1	04/17/15 10:30	04/19/15 15:55	606-20-2	
Di-n-octylphthalate	ND	ug/L	20.0	0.24	1	04/17/15 10:30	04/19/15 15:55	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	12.0	0.98	1	04/17/15 10:30	04/19/15 15:55	117-81-7	
Fluoranthene	ND	ug/L	20.0	0.82	1	04/17/15 10:30	04/19/15 15:55	206-44-0	
Fluorene	ND	ug/L	20.0	2.0	1	04/17/15 10:30	04/19/15 15:55	86-73-7	L2
Hexachloro-1,3-butadiene	ND	ug/L	20.0	1.8	1	04/17/15 10:30	04/19/15 15:55	87-68-3	L2
Hexachlorobenzene	ND	ug/L	20.0	1.5	1	04/17/15 10:30	04/19/15 15:55	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	20.0	2.2	1	04/17/15 10:30	04/19/15 15:55	77-47-4	L2
Hexachloroethane	ND	ug/L	20.0	1.8	1	04/17/15 10:30	04/19/15 15:55	67-72-1	L2
Indeno(1,2,3-cd)pyrene	ND	ug/L	20.0	1.1	1	04/17/15 10:30	04/19/15 15:55	193-39-5	
Isophorone	ND	ug/L	20.0	1.8	1	04/17/15 10:30	04/19/15 15:55	78-59-1	L2
1-Methylnaphthalene	ND	ug/L	20.0	1.8	1	04/17/15 10:30	04/19/15 15:55	90-12-0	L2
2-Methylnaphthalene	ND	ug/L	20.0	2.0	1	04/17/15 10:30	04/19/15 15:55	91-57-6	L2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Sample: GTW-605-802-9-2 **Lab ID:** 92245073009 Collected: 04/10/15 12:55 Received: 04/11/15 09:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
2-Methylphenol(o-Cresol)	ND	ug/L	20.0	2.0	1	04/17/15 10:30	04/19/15 15:55	95-48-7	L2
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.0	2.0	1	04/17/15 10:30	04/19/15 15:55		L2
Naphthalene	ND	ug/L	20.0	1.9	1	04/17/15 10:30	04/19/15 15:55	91-20-3	L2
2-Nitroaniline	ND	ug/L	100	3.0	1	04/17/15 10:30	04/19/15 15:55	88-74-4	L2
3-Nitroaniline	ND	ug/L	100	2.6	1	04/17/15 10:30	04/19/15 15:55	99-09-2	
4-Nitroaniline	ND	ug/L	40.0	3.2	1	04/17/15 10:30	04/19/15 15:55	100-01-6	
Nitrobenzene	ND	ug/L	20.0	2.0	1	04/17/15 10:30	04/19/15 15:55	98-95-3	L2
2-Nitrophenol	ND	ug/L	20.0	1.4	1	04/17/15 10:30	04/19/15 15:55	88-75-5	L2
4-Nitrophenol	ND	ug/L	100	7.8	1	04/17/15 10:30	04/19/15 15:55	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	20.0	1.9	1	04/17/15 10:30	04/19/15 15:55	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	20.0	1.7	1	04/17/15 10:30	04/19/15 15:55	621-64-7	L2
N-Nitrosodiphenylamine	ND	ug/L	20.0	1.3	1	04/17/15 10:30	04/19/15 15:55	86-30-6	
Pentachlorophenol	ND	ug/L	50.0	2.4	1	04/17/15 10:30	04/19/15 15:55	87-86-5	
Phenanthrene	ND	ug/L	20.0	1.1	1	04/17/15 10:30	04/19/15 15:55	85-01-8	
Phenol	ND	ug/L	20.0	2.2	1	04/17/15 10:30	04/19/15 15:55	108-95-2	L2
Pyrene	ND	ug/L	20.0	0.98	1	04/17/15 10:30	04/19/15 15:55	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	20.0	2.6	1	04/17/15 10:30	04/19/15 15:55	120-82-1	L2
2,4,5-Trichlorophenol	ND	ug/L	20.0	2.0	1	04/17/15 10:30	04/19/15 15:55	95-95-4	L2
2,4,6-Trichlorophenol	ND	ug/L	20.0	1.7	1	04/17/15 10:30	04/19/15 15:55	88-06-2	L2
Surrogates									
Nitrobenzene-d5 (S)	21	%	21-110		1	04/17/15 10:30	04/19/15 15:55	4165-60-0	1g,P2
2-Fluorobiphenyl (S)	22	%	27-110		1	04/17/15 10:30	04/19/15 15:55	321-60-8	S0
Terphenyl-d14 (S)	51	%	31-107		1	04/17/15 10:30	04/19/15 15:55	1718-51-0	
Phenol-d6 (S)	15	%	10-110		1	04/17/15 10:30	04/19/15 15:55	13127-88-3	
2-Fluorophenol (S)	18	%	12-110		1	04/17/15 10:30	04/19/15 15:55	367-12-4	
2,4,6-Tribromophenol (S)	61	%	27-110		1	04/17/15 10:30	04/19/15 15:55	118-79-6	
8260 MSV Low Level Analytical Method: EPA 8260									
Acetone	ND	ug/L	250	100	10		04/17/15 18:38	67-64-1	
Benzene	ND	ug/L	10.0	2.5	10		04/17/15 18:38	71-43-2	
Bromobenzene	ND	ug/L	10.0	3.0	10		04/17/15 18:38	108-86-1	
Bromochloromethane	ND	ug/L	10.0	1.7	10		04/17/15 18:38	74-97-5	
Bromodichloromethane	ND	ug/L	10.0	1.8	10		04/17/15 18:38	75-27-4	
Bromoform	ND	ug/L	10.0	2.6	10		04/17/15 18:38	75-25-2	
Bromomethane	ND	ug/L	20.0	2.9	10		04/17/15 18:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	50.0	9.6	10		04/17/15 18:38	78-93-3	
Carbon tetrachloride	ND	ug/L	10.0	2.5	10		04/17/15 18:38	56-23-5	
Chlorobenzene	ND	ug/L	10.0	2.3	10		04/17/15 18:38	108-90-7	
Chloroethane	ND	ug/L	10.0	5.4	10		04/17/15 18:38	75-00-3	
Chloroform	ND	ug/L	10.0	1.4	10		04/17/15 18:38	67-66-3	
Chloromethane	ND	ug/L	10.0	1.1	10		04/17/15 18:38	74-87-3	
2-Chlorotoluene	ND	ug/L	10.0	3.5	10		04/17/15 18:38	95-49-8	
4-Chlorotoluene	ND	ug/L	10.0	3.1	10		04/17/15 18:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	20.0	20.0	10		04/17/15 18:38	96-12-8	
Dibromochloromethane	ND	ug/L	10.0	2.1	10		04/17/15 18:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	10.0	2.7	10		04/17/15 18:38	106-93-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

Sample: GTW-605-802-9-2 Lab ID: 92245073009 Collected: 04/10/15 12:55 Received: 04/11/15 09:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level									
Analytical Method: EPA 8260									
Dibromomethane	ND	ug/L	10.0	2.1	10		04/17/15 18:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	10.0	3.0	10		04/17/15 18:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	2.4	10		04/17/15 18:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	3.3	10		04/17/15 18:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	10.0	2.1	10		04/17/15 18:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	10.0	3.2	10		04/17/15 18:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	10.0	1.2	10		04/17/15 18:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	10.0	5.6	10		04/17/15 18:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	10.0	1.9	10		04/17/15 18:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	10.0	4.9	10		04/17/15 18:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	10.0	2.7	10		04/17/15 18:38	78-87-5	
1,3-Dichloropropane	ND	ug/L	10.0	2.8	10		04/17/15 18:38	142-28-9	
2,2-Dichloropropane	ND	ug/L	10.0	1.3	10		04/17/15 18:38	594-20-7	
1,1-Dichloropropene	ND	ug/L	10.0	4.9	10		04/17/15 18:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	10.0	1.3	10		04/17/15 18:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	10.0	2.6	10		04/17/15 18:38	10061-02-6	
Diisopropyl ether	ND	ug/L	10.0	1.2	10		04/17/15 18:38	108-20-3	
Ethylbenzene	ND	ug/L	10.0	3.0	10		04/17/15 18:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	7.1	10		04/17/15 18:38	87-68-3	
2-Hexanone	ND	ug/L	50.0	4.6	10		04/17/15 18:38	591-78-6	
p-Isopropyltoluene	ND	ug/L	10.0	3.1	10		04/17/15 18:38	99-87-6	
Methylene Chloride	11.7J	ug/L	20.0	9.7	10		04/17/15 18:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	50.0	3.3	10		04/17/15 18:38	108-10-1	
Methyl-tert-butyl ether	9.9J	ug/L	10.0	2.1	10		04/17/15 18:38	1634-04-4	
Naphthalene	ND	ug/L	10.0	2.4	10		04/17/15 18:38	91-20-3	
Styrene	ND	ug/L	10.0	2.6	10		04/17/15 18:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	10.0	3.3	10		04/17/15 18:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	10.0	4.0	10		04/17/15 18:38	79-34-5	
Tetrachloroethene	ND	ug/L	10.0	4.6	10		04/17/15 18:38	127-18-4	
Toluene	ND	ug/L	10.0	2.6	10		04/17/15 18:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	10.0	3.3	10		04/17/15 18:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	3.5	10		04/17/15 18:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	10.0	4.8	10		04/17/15 18:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	10.0	2.9	10		04/17/15 18:38	79-00-5	
Trichloroethene	ND	ug/L	10.0	4.7	10		04/17/15 18:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	2.0	10		04/17/15 18:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	10.0	4.1	10		04/17/15 18:38	96-18-4	
Vinyl acetate	ND	ug/L	20.0	3.5	10		04/17/15 18:38	108-05-4	
Vinyl chloride	ND	ug/L	10.0	6.2	10		04/17/15 18:38	75-01-4	
Xylene (Total)	ND	ug/L	20.0	6.6	10		04/17/15 18:38	1330-20-7	
m&p-Xylene	ND	ug/L	20.0	6.6	10		04/17/15 18:38	179601-23-1	
o-Xylene	ND	ug/L	10.0	2.3	10		04/17/15 18:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		10		04/17/15 18:38	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		10		04/17/15 18:38	17060-07-0	
Toluene-d8 (S)	101	%	70-130		10		04/17/15 18:38	2037-26-5	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

QC Batch: GCV/9220 Analysis Method: EPA 8015 Modified
 QC Batch Method: EPA 5035A/5030B Analysis Description: Gasoline Range Organics
 Associated Lab Samples: 92245073001, 92245073002, 92245073003, 92245073004, 92245073005, 92245073006, 92245073007

METHOD BLANK: 1437590 Matrix: Solid
 Associated Lab Samples: 92245073001, 92245073002, 92245073003, 92245073004, 92245073005, 92245073006, 92245073007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gas Range Organics (C6-C10)	mg/kg	ND	6.0	04/16/15 01:10	
4-Bromofluorobenzene (S)	%	113	70-167	04/16/15 01:10	

LABORATORY CONTROL SAMPLE: 1437591

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gas Range Organics (C6-C10)	mg/kg	50	37.2	74	70-165	
4-Bromofluorobenzene (S)	%			112	70-167	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1437592 1437593

Parameter	Units	92245067005		1437592		1437593		% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Gas Range Organics (C6-C10)	mg/kg	75.6	39.5	39.5	132	120	143	113	47-187	9	30	
4-Bromofluorobenzene (S)	%						150	148	70-167			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

QC Batch: GCV/9206

Analysis Method: EPA 5030/8015 Mod.

QC Batch Method: EPA 5030/8015 Mod.

Analysis Description: Gasoline Range Organics

Associated Lab Samples: 92245073008, 92245073009

METHOD BLANK: 1433949

Matrix: Water

Associated Lab Samples: 92245073008, 92245073009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gas Range Organics (C6-C10)	mg/L	ND	0.080	04/14/15 22:44	
4-Bromofluorobenzene (S)	%	105	70-145	04/14/15 22:44	

LABORATORY CONTROL SAMPLE: 1433950

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gas Range Organics (C6-C10)	mg/L	1	1.1	108	70-150	
4-Bromofluorobenzene (S)	%			115	70-145	

SAMPLE DUPLICATE: 1433952

Parameter	Units	92245111001 Result	Dup Result	RPD	Max RPD	Qualifiers
Gas Range Organics (C6-C10)	mg/L	ND	ND		30	
4-Bromofluorobenzene (S)	%	106	112	5		

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

QC Batch: MERP/7744

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Associated Lab Samples: 92245073009

METHOD BLANK: 1434827

Matrix: Water

Associated Lab Samples: 92245073009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	04/16/15 13:33	

LABORATORY CONTROL SAMPLE: 1434828

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.5	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1434829 1434830

Parameter	Units	92245067001 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max		Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	
Mercury	ug/L	ND	2.5	2.5	0.91	0.79	35	30	75-125	14	25	M1

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

QC Batch: MERP/7746 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 92245073001, 92245073002, 92245073003, 92245073004, 92245073006, 92245073007

METHOD BLANK: 1435471 Matrix: Solid
Associated Lab Samples: 92245073001, 92245073002, 92245073003, 92245073004, 92245073006, 92245073007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	04/17/15 15:04	

LABORATORY CONTROL SAMPLE: 1435472

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.063	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1435473 1435474

Parameter	Units	92245067005 Result	MS		MSD		% Rec	% Rec	% Rec	Limits	Max		Qual
			Spike Conc.	Conc.	Spike Conc.	Conc.					RPD	RPD	
Mercury	mg/kg	ND	.05	.056	0.052	0.056	97	94	75-125	8	20		

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

QC Batch:	MERP/7748	Analysis Method:	EPA 7471
QC Batch Method:	EPA 7471	Analysis Description:	7471 Mercury
Associated Lab Samples:	92245073005		

METHOD BLANK: 1436483 Matrix: Solid

Associated Lab Samples: 92245073005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	04/17/15 11:12	

LABORATORY CONTROL SAMPLE: 1436484

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.067	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1436488 1436489

Parameter	Units	92245059001		MS		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Mercury	mg/kg	0.19	.05	.05	.063	0.21	0.26	54	114	75-125	19	20	M6	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

QC Batch: MPRP/18275 Analysis Method: EPA 6010
 QC Batch Method: EPA 3050 Analysis Description: 6010 MET
 Associated Lab Samples: 92245073001, 92245073002, 92245073003, 92245073004, 92245073006, 92245073007

METHOD BLANK: 1434079 Matrix: Solid
 Associated Lab Samples: 92245073001, 92245073002, 92245073003, 92245073004, 92245073006, 92245073007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	ND	10.0	04/15/15 14:54	
Antimony	mg/kg	ND	0.50	04/15/15 14:54	
Arsenic	mg/kg	ND	1.0	04/15/15 14:54	
Barium	mg/kg	ND	0.50	04/15/15 14:54	
Beryllium	mg/kg	ND	0.10	04/15/15 14:54	
Cadmium	mg/kg	ND	0.10	04/15/15 14:54	
Calcium	mg/kg	ND	10.0	04/15/15 14:54	
Chromium	mg/kg	ND	0.50	04/15/15 14:54	
Cobalt	mg/kg	ND	0.50	04/15/15 14:54	
Copper	mg/kg	ND	0.50	04/15/15 14:54	
Iron	mg/kg	5.6J	10.0	04/15/15 14:54	
Lead	mg/kg	ND	0.50	04/15/15 14:54	
Magnesium	mg/kg	0.59J	10.0	04/15/15 14:54	
Manganese	mg/kg	ND	0.50	04/15/15 14:54	
Nickel	mg/kg	ND	0.50	04/15/15 14:54	
Potassium	mg/kg	ND	500	04/15/15 14:54	
Selenium	mg/kg	ND	1.0	04/15/15 14:54	
Silver	mg/kg	ND	0.50	04/15/15 14:54	
Sodium	mg/kg	ND	500	04/15/15 14:54	
Thallium	mg/kg	ND	1.0	04/15/15 14:54	
Vanadium	mg/kg	ND	0.50	04/15/15 14:54	
Zinc	mg/kg	ND	1.0	04/15/15 14:54	

LABORATORY CONTROL SAMPLE: 1434080

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	500	497	99	80-120	
Antimony	mg/kg	50	50.2	100	80-120	
Arsenic	mg/kg	50	48.3	97	80-120	
Barium	mg/kg	50	49.3	99	80-120	
Beryllium	mg/kg	50	49.1	98	80-120	
Cadmium	mg/kg	50	49.2	98	80-120	
Calcium	mg/kg	500	482	96	80-120	
Chromium	mg/kg	50	48.7	97	80-120	
Cobalt	mg/kg	50	48.8	98	80-120	
Copper	mg/kg	50	49.9	100	80-120	
Iron	mg/kg	500	495	99	80-120	
Lead	mg/kg	50	48.6	97	80-120	
Magnesium	mg/kg	500	482	96	80-120	
Manganese	mg/kg	50	47.6	95	80-120	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

LABORATORY CONTROL SAMPLE: 1434080

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	mg/kg	50	48.0	96	80-120	
Potassium	mg/kg	500	501	100	80-120	
Selenium	mg/kg	50	48.8	98	80-120	
Silver	mg/kg	25	24.5	98	80-120	
Sodium	mg/kg	500	496J	99	80-120	
Thallium	mg/kg	50	45.4	91	80-120	
Vanadium	mg/kg	50	48.3	97	80-120	
Zinc	mg/kg	50	48.0	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1434081 1434082

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		92243750001 Result	Spike Conc.	Spike Conc.	MSD Conc.								
Aluminum	mg/kg	929	490	446	1390	1360	93	96	75-125	2	20		
Antimony	mg/kg	0.70	49	44.6	47.7	43.1	96	95	75-125	10	20		
Arsenic	mg/kg	ND	49	44.6	45.7	41.2	93	92	75-125	10	20		
Barium	mg/kg	2610	49	44.6	2810	2790	399	399	75-125	1	20	M6	
Beryllium	mg/kg	ND	49	44.6	48.5	44.3	99	99	75-125	9	20		
Cadmium	mg/kg	0.13	49	44.6	46.7	42.0	95	94	75-125	11	20		
Calcium	mg/kg	1790	490	446	2200	2180	85	88	75-125	1	20		
Chromium	mg/kg	2.0	49	44.6	49.9	45.0	98	96	75-125	10	20		
Cobalt	mg/kg	ND	49	44.6	46.0	41.7	94	93	75-125	10	20		
Copper	mg/kg	5.0	49	44.6	53.3	48.8	98	98	75-125	9	20		
Iron	mg/kg	27500	490	446	20200	14300	-1489	-2963	75-125	34	20	M6, R1	
Lead	mg/kg	1.9	49	44.6	46.3	41.4	91	89	75-125	11	20		
Magnesium	mg/kg	13700	490	446	14300	14300	119	116	75-125	0	20		
Manganese	mg/kg	356	49	44.6	380	302	50	-121	75-125	23	20	M1, R1	
Nickel	mg/kg	2.4	49	44.6	47.5	42.8	92	91	75-125	10	20		
Potassium	mg/kg	ND	490	446	573	527	103	102	75-125	8	20		
Selenium	mg/kg	ND	49	44.6	45.7	41.8	93	94	75-125	9	20		
Silver	mg/kg	ND	24.5	22.3	23.2	20.8	94	92	75-125	11	20		
Sodium	mg/kg	ND	490	446	542	496	101	101	75-125	9	20		
Thallium	mg/kg	ND	49	44.6	32.2	27.7	65	61	75-125	15	20	M1	
Vanadium	mg/kg	1.7	49	44.6	49.3	44.9	97	97	75-125	9	20		
Zinc	mg/kg	7.4	49	44.6	49.8	45.7	87	86	75-125	9	20		

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

QC Batch:	MPRP/18291	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3050	Analysis Description:	6010 MET
Associated Lab Samples:	92245073005		

METHOD BLANK: 1436530 Matrix: Solid

Associated Lab Samples: 92245073005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	ND	10.0	04/20/15 13:57	
Antimony	mg/kg	ND	0.50	04/20/15 13:57	
Arsenic	mg/kg	ND	1.0	04/20/15 13:57	
Barium	mg/kg	ND	0.50	04/20/15 13:57	
Beryllium	mg/kg	ND	0.10	04/20/15 13:57	
Cadmium	mg/kg	ND	0.10	04/20/15 13:57	
Calcium	mg/kg	ND	10.0	04/20/15 13:57	
Chromium	mg/kg	ND	0.50	04/20/15 13:57	
Cobalt	mg/kg	ND	0.50	04/20/15 13:57	
Copper	mg/kg	ND	0.50	04/20/15 13:57	
Iron	mg/kg	ND	10.0	04/20/15 13:57	
Lead	mg/kg	ND	0.50	04/20/15 13:57	
Magnesium	mg/kg	ND	10.0	04/20/15 13:57	
Manganese	mg/kg	ND	0.50	04/20/15 13:57	
Nickel	mg/kg	ND	0.50	04/20/15 13:57	
Potassium	mg/kg	ND	500	04/20/15 13:57	
Selenium	mg/kg	ND	1.0	04/20/15 13:57	
Silver	mg/kg	ND	0.50	04/20/15 13:57	
Sodium	mg/kg	ND	500	04/20/15 13:57	
Thallium	mg/kg	ND	1.0	04/20/15 13:57	
Vanadium	mg/kg	ND	0.50	04/20/15 13:57	
Zinc	mg/kg	ND	1.0	04/20/15 13:57	

LABORATORY CONTROL SAMPLE: 1436531

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	500	488	98	80-120	
Antimony	mg/kg	50	52.2	104	80-120	
Arsenic	mg/kg	50	49.6	99	80-120	
Barium	mg/kg	50	49.0	98	80-120	
Beryllium	mg/kg	50	49.0	98	80-120	
Cadmium	mg/kg	50	50.1	100	80-120	
Calcium	mg/kg	500	481	96	80-120	
Chromium	mg/kg	50	47.9	96	80-120	
Cobalt	mg/kg	50	50.8	102	80-120	
Copper	mg/kg	50	50.3	101	80-120	
Iron	mg/kg	500	488	98	80-120	
Lead	mg/kg	50	50.2	100	80-120	
Magnesium	mg/kg	500	481	96	80-120	
Manganese	mg/kg	50	48.5	97	80-120	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

LABORATORY CONTROL SAMPLE: 1436531

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	mg/kg	50	49.1	98	80-120	
Potassium	mg/kg	500	ND	100	80-120	
Selenium	mg/kg	50	50.6	101	80-120	
Silver	mg/kg	25	24.6	99	80-120	
Sodium	mg/kg	500	503	101	80-120	
Thallium	mg/kg	50	49.6	99	80-120	
Vanadium	mg/kg	50	49.3	99	80-120	
Zinc	mg/kg	50	49.3	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1436532 1436533

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		92245059001 Result	Spike Conc.	Spike Conc.	MS Result						
Aluminum	mg/kg	4860	547	537	6380	6470	279	301	75-125	1	20 M1
Antimony	mg/kg	3.2	54.7	53.7	44.2	42.5	75	73	75-125	4	20 M1
Arsenic	mg/kg	14.8	54.7	53.7	60.4	59.3	83	83	75-125	2	20
Barium	mg/kg	246	54.7	53.7	270	267	45	40	75-125	1	20 M1
Beryllium	mg/kg	0.37	54.7	53.7	50.4	49.7	91	92	75-125	1	20
Cadmium	mg/kg	2.1	54.7	53.7	53.1	51.8	93	93	75-125	2	20
Calcium	mg/kg	9020	547	537	5620	5570	-622	-644	75-125	1	20 M1
Chromium	mg/kg	19.4	54.7	53.7	88.7	86.9	127	126	75-125	2	20 M1
Cobalt	mg/kg	5.8	54.7	53.7	57.1	55.6	94	93	75-125	3	20
Copper	mg/kg	104	54.7	53.7	150	146	85	79	75-125	3	20
Iron	mg/kg	24100	547	537	16500	16200	-1383	-1475	75-125	2	20 M6
Lead	mg/kg	475	54.7	53.7	509	498	62	42	75-125	2	20 M1
Magnesium	mg/kg	1500	547	537	2180	2140	126	120	75-125	2	20 M1
Manganese	mg/kg	297	54.7	53.7	276	269	-38	-52	75-125	3	20 M1
Nickel	mg/kg	15.3	54.7	53.7	63.9	62.3	89	88	75-125	3	20
Potassium	mg/kg	790	547	537	1300	1300	92	94	75-125	0	20
Selenium	mg/kg	ND	54.7	53.7	49.6	48.7	91	91	75-125	2	20
Silver	mg/kg	0.87	27.4	26.8	26.3	25.6	93	92	75-125	2	20
Sodium	mg/kg	399J	547	537	893	882	90	90	75-125	1	20
Thallium	mg/kg	ND	54.7	53.7	45.3	44.2	82	82	75-125	2	20
Vanadium	mg/kg	21.1	54.7	53.7	73.8	72.1	96	95	75-125	2	20
Zinc	mg/kg	371	54.7	53.7	387	376	28	10	75-125	3	20 M1

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

QC Batch: MPRP/18269 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 92245073009

METHOD BLANK: 1433711 Matrix: Water
Associated Lab Samples: 92245073009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	100	04/15/15 19:50	
Antimony	ug/L	ND	5.0	04/15/15 19:50	
Arsenic	ug/L	ND	10.0	04/15/15 19:50	
Barium	ug/L	ND	5.0	04/15/15 19:50	
Beryllium	ug/L	ND	1.0	04/15/15 19:50	
Cadmium	ug/L	ND	1.0	04/15/15 19:50	
Calcium	ug/L	ND	100	04/15/15 19:50	
Chromium	ug/L	ND	5.0	04/15/15 19:50	
Cobalt	ug/L	ND	5.0	04/15/15 19:50	
Copper	ug/L	ND	5.0	04/15/15 19:50	
Iron	ug/L	ND	50.0	04/15/15 19:50	
Lead	ug/L	ND	5.0	04/15/15 19:50	
Magnesium	ug/L	ND	100	04/15/15 19:50	
Manganese	ug/L	ND	5.0	04/15/15 19:50	
Nickel	ug/L	ND	5.0	04/15/15 19:50	
Potassium	ug/L	ND	5000	04/15/15 19:50	
Selenium	ug/L	ND	10.0	04/15/15 19:50	
Silver	ug/L	ND	5.0	04/15/15 19:50	
Sodium	ug/L	ND	5000	04/15/15 19:50	
Thallium	ug/L	ND	10.0	04/15/15 19:50	
Vanadium	ug/L	ND	5.0	04/15/15 19:50	
Zinc	ug/L	ND	10.0	04/15/15 19:50	

LABORATORY CONTROL SAMPLE: 1433712

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	5220	104	80-120	
Antimony	ug/L	500	487	97	80-120	
Arsenic	ug/L	500	472	94	80-120	
Barium	ug/L	500	510	102	80-120	
Beryllium	ug/L	500	492	98	80-120	
Cadmium	ug/L	500	492	98	80-120	
Calcium	ug/L	5000	4990	100	80-120	
Chromium	ug/L	500	519	104	80-120	
Cobalt	ug/L	500	504	101	80-120	
Copper	ug/L	500	501	100	80-120	
Iron	ug/L	5000	4920	98	80-120	
Lead	ug/L	500	500	100	80-120	
Magnesium	ug/L	5000	5110	102	80-120	
Manganese	ug/L	500	482	96	80-120	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

LABORATORY CONTROL SAMPLE: 1433712

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	ug/L	500	481	96	80-120	
Potassium	ug/L	5000	5080	102	80-120	
Selenium	ug/L	500	473	95	80-120	
Silver	ug/L	250	248	99	80-120	
Sodium	ug/L	5000	5200	104	80-120	
Thallium	ug/L	500	456	91	80-120	
Vanadium	ug/L	500	491	98	80-120	
Zinc	ug/L	500	466	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1433713 1433714

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		92245046008 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
Aluminum	ug/L	428	5000	5000	5610	5500	104	101	75-125	2	20	
Antimony	ug/L	ND	500	500	495	491	99	98	75-125	1	20	
Arsenic	ug/L	ND	500	500	482	478	96	95	75-125	1	20	
Barium	ug/L	21.7	500	500	530	518	102	99	75-125	2	20	
Beryllium	ug/L	ND	500	500	492	481	98	96	75-125	2	20	
Cadmium	ug/L	ND	500	500	496	491	99	98	75-125	1	20	
Calcium	ug/L	37800	5000	5000	41800	41000	79	64	75-125	2	20	M1
Chromium	ug/L	ND	500	500	513	505	102	101	75-125	1	20	
Cobalt	ug/L	ND	500	500	499	492	100	98	75-125	1	20	
Copper	ug/L	7.1	500	500	510	506	101	100	75-125	1	20	
Iron	ug/L	19300	5000	5000	23500	23100	85	77	75-125	2	20	
Lead	ug/L	ND	500	500	496	489	99	98	75-125	2	20	
Magnesium	ug/L	1330	5000	5000	6290	6170	99	97	75-125	2	20	
Manganese	ug/L	134	500	500	604	595	94	92	75-125	1	20	
Nickel	ug/L	ND	500	500	477	471	95	94	75-125	1	20	
Potassium	ug/L	ND	5000	5000	8530	8450	100	99	75-125	1	20	
Selenium	ug/L	ND	500	500	472	469	94	94	75-125	1	20	
Silver	ug/L	ND	250	250	247	243	99	97	75-125	2	20	
Sodium	ug/L	25000	5000	5000	29400	28900	87	78	75-125	2	20	
Thallium	ug/L	ND	500	500	455	453	91	90	75-125	0	20	
Vanadium	ug/L	ND	500	500	494	486	98	97	75-125	2	20	
Zinc	ug/L	ND	500	500	458	451	91	90	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

QC Batch: MSV/31228

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV Low Level

Associated Lab Samples: 92245073008, 92245073009

METHOD BLANK: 1436561

Matrix: Water

Associated Lab Samples: 92245073008, 92245073009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	04/17/15 14:56	
1,1,1-Trichloroethane	ug/L	ND	1.0	04/17/15 14:56	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	04/17/15 14:56	
1,1,2-Trichloroethane	ug/L	ND	1.0	04/17/15 14:56	
1,1-Dichloroethane	ug/L	ND	1.0	04/17/15 14:56	
1,1-Dichloroethene	ug/L	ND	1.0	04/17/15 14:56	
1,1-Dichloropropene	ug/L	ND	1.0	04/17/15 14:56	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	04/17/15 14:56	
1,2,3-Trichloropropane	ug/L	ND	1.0	04/17/15 14:56	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	04/17/15 14:56	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	04/17/15 14:56	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	04/17/15 14:56	
1,2-Dichlorobenzene	ug/L	ND	1.0	04/17/15 14:56	
1,2-Dichloroethane	ug/L	ND	1.0	04/17/15 14:56	
1,2-Dichloropropane	ug/L	ND	1.0	04/17/15 14:56	
1,3-Dichlorobenzene	ug/L	ND	1.0	04/17/15 14:56	
1,3-Dichloropropane	ug/L	ND	1.0	04/17/15 14:56	
1,4-Dichlorobenzene	ug/L	ND	1.0	04/17/15 14:56	
2,2-Dichloropropane	ug/L	ND	1.0	04/17/15 14:56	
2-Butanone (MEK)	ug/L	ND	5.0	04/17/15 14:56	
2-Chlorotoluene	ug/L	ND	1.0	04/17/15 14:56	
2-Hexanone	ug/L	ND	5.0	04/17/15 14:56	
4-Chlorotoluene	ug/L	ND	1.0	04/17/15 14:56	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	04/17/15 14:56	
Acetone	ug/L	ND	25.0	04/17/15 14:56	
Benzene	ug/L	ND	1.0	04/17/15 14:56	
Bromobenzene	ug/L	ND	1.0	04/17/15 14:56	
Bromochloromethane	ug/L	ND	1.0	04/17/15 14:56	
Bromodichloromethane	ug/L	ND	1.0	04/17/15 14:56	
Bromoform	ug/L	ND	1.0	04/17/15 14:56	
Bromomethane	ug/L	ND	2.0	04/17/15 14:56	
Carbon tetrachloride	ug/L	ND	1.0	04/17/15 14:56	
Chlorobenzene	ug/L	ND	1.0	04/17/15 14:56	
Chloroethane	ug/L	ND	1.0	04/17/15 14:56	
Chloroform	ug/L	ND	1.0	04/17/15 14:56	
Chloromethane	ug/L	ND	1.0	04/17/15 14:56	
cis-1,2-Dichloroethene	ug/L	ND	1.0	04/17/15 14:56	
cis-1,3-Dichloropropene	ug/L	ND	1.0	04/17/15 14:56	
Dibromochloromethane	ug/L	ND	1.0	04/17/15 14:56	
Dibromomethane	ug/L	ND	1.0	04/17/15 14:56	
Dichlorodifluoromethane	ug/L	ND	1.0	04/17/15 14:56	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

METHOD BLANK: 1436561

Matrix: Water

Associated Lab Samples: 92245073008, 92245073009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	ND	1.0	04/17/15 14:56	
Ethylbenzene	ug/L	ND	1.0	04/17/15 14:56	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	04/17/15 14:56	
m&p-Xylene	ug/L	ND	2.0	04/17/15 14:56	
Methyl-tert-butyl ether	ug/L	ND	1.0	04/17/15 14:56	
Methylene Chloride	ug/L	ND	2.0	04/17/15 14:56	
Naphthalene	ug/L	ND	1.0	04/17/15 14:56	
o-Xylene	ug/L	ND	1.0	04/17/15 14:56	
p-Isopropyltoluene	ug/L	ND	1.0	04/17/15 14:56	
Styrene	ug/L	ND	1.0	04/17/15 14:56	
Tetrachloroethene	ug/L	ND	1.0	04/17/15 14:56	
Toluene	ug/L	ND	1.0	04/17/15 14:56	
trans-1,2-Dichloroethene	ug/L	ND	1.0	04/17/15 14:56	
trans-1,3-Dichloropropene	ug/L	ND	1.0	04/17/15 14:56	
Trichloroethene	ug/L	ND	1.0	04/17/15 14:56	
Trichlorofluoromethane	ug/L	ND	1.0	04/17/15 14:56	
Vinyl acetate	ug/L	ND	2.0	04/17/15 14:56	
Vinyl chloride	ug/L	ND	1.0	04/17/15 14:56	
Xylene (Total)	ug/L	ND	2.0	04/17/15 14:56	
1,2-Dichloroethane-d4 (S)	%	105	70-130	04/17/15 14:56	
4-Bromofluorobenzene (S)	%	103	70-130	04/17/15 14:56	
Toluene-d8 (S)	%	99	70-130	04/17/15 14:56	

LABORATORY CONTROL SAMPLE: 1436562

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.3	107	70-130	
1,1,1-Trichloroethane	ug/L	50	54.7	109	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.7	101	70-130	
1,1,2-Trichloroethane	ug/L	50	49.8	100	70-130	
1,1-Dichloroethane	ug/L	50	53.9	108	70-130	
1,1-Dichloroethene	ug/L	50	51.6	103	70-132	
1,1-Dichloropropene	ug/L	50	60.1	120	70-130	
1,2,3-Trichlorobenzene	ug/L	50	54.6	109	70-135	
1,2,3-Trichloropropane	ug/L	50	53.1	106	70-130	
1,2,4-Trichlorobenzene	ug/L	50	56.1	112	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	55.0	110	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	54.6	109	70-130	
1,2-Dichlorobenzene	ug/L	50	52.5	105	70-130	
1,2-Dichloroethane	ug/L	50	49.5	99	70-130	
1,2-Dichloropropane	ug/L	50	53.0	106	70-130	
1,3-Dichlorobenzene	ug/L	50	52.2	104	70-130	
1,3-Dichloropropane	ug/L	50	53.6	107	70-130	
1,4-Dichlorobenzene	ug/L	50	51.3	103	70-130	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

LABORATORY CONTROL SAMPLE: 1436562

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	54.0	108	58-145	
2-Butanone (MEK)	ug/L	100	93.6	94	70-145	
2-Chlorotoluene	ug/L	50	54.1	108	70-130	
2-Hexanone	ug/L	100	110	110	70-144	
4-Chlorotoluene	ug/L	50	53.6	107	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	96.7	97	70-140	
Acetone	ug/L	100	99.9	100	50-175	
Benzene	ug/L	50	52.6	105	70-130	
Bromobenzene	ug/L	50	52.7	105	70-130	
Bromochloromethane	ug/L	50	55.6	111	70-130	
Bromodichloromethane	ug/L	50	48.0	96	70-130	
Bromoform	ug/L	50	46.8	94	70-130	
Bromomethane	ug/L	50	51.9	104	54-130	
Carbon tetrachloride	ug/L	50	57.1	114	70-132	
Chlorobenzene	ug/L	50	52.8	106	70-130	
Chloroethane	ug/L	50	50.2	100	64-134	
Chloroform	ug/L	50	48.2	96	70-130	
Chloromethane	ug/L	50	50.7	101	64-130	
cis-1,2-Dichloroethene	ug/L	50	52.6	105	70-131	
cis-1,3-Dichloropropene	ug/L	50	55.9	112	70-130	
Dibromochloromethane	ug/L	50	53.7	107	70-130	
Dibromomethane	ug/L	50	51.1	102	70-131	
Dichlorodifluoromethane	ug/L	50	51.0	102	56-130	
Diisopropyl ether	ug/L	50	52.7	105	70-130	
Ethylbenzene	ug/L	50	53.4	107	70-130	
Hexachloro-1,3-butadiene	ug/L	50	53.7	107	70-130	
m&p-Xylene	ug/L	100	107	107	70-130	
Methyl-tert-butyl ether	ug/L	50	50.8	102	70-130	
Methylene Chloride	ug/L	50	54.3	109	63-130	
Naphthalene	ug/L	50	56.8	114	70-138	
o-Xylene	ug/L	50	53.1	106	70-130	
p-Isopropyltoluene	ug/L	50	53.4	107	70-130	
Styrene	ug/L	50	55.0	110	70-130	
Tetrachloroethene	ug/L	50	52.1	104	70-130	
Toluene	ug/L	50	51.0	102	70-130	
trans-1,2-Dichloroethene	ug/L	50	53.4	107	70-130	
trans-1,3-Dichloropropene	ug/L	50	54.2	108	70-132	
Trichloroethene	ug/L	50	51.2	102	70-130	
Trichlorofluoromethane	ug/L	50	50.1	100	62-133	
Vinyl acetate	ug/L	100	105	105	66-157	
Vinyl chloride	ug/L	50	55.1	110	50-150	
Xylene (Total)	ug/L	150	160	106	70-130	
1,2-Dichloroethane-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			98	70-130	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

MATRIX SPIKE SAMPLE:	1436563	92244804002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	22.1	111	70-130	
1,1,1-Trichloroethane	ug/L	ND	20	24.8	124	70-130	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	22.3	112	70-130	
1,1,2-Trichloroethane	ug/L	ND	20	21.7	108	70-130	
1,1-Dichloroethane	ug/L	ND	20	23.9	119	70-130	
1,1-Dichloroethene	ug/L	ND	20	23.5	117	70-166	
1,1-Dichloropropene	ug/L	ND	20	29.0	145	70-130	M1
1,2,3-Trichlorobenzene	ug/L	ND	20	22.4	112	70-130	
1,2,3-Trichloropropane	ug/L	ND	20	23.3	116	70-130	
1,2,4-Trichlorobenzene	ug/L	ND	20	22.6	113	70-130	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	22.3	111	70-130	
1,2-Dibromoethane (EDB)	ug/L	ND	20	22.7	113	70-130	
1,2-Dichlorobenzene	ug/L	ND	20	22.6	113	70-130	
1,2-Dichloroethane	ug/L	ND	20	21.8	109	70-130	
1,2-Dichloropropane	ug/L	ND	20	23.6	118	70-130	
1,3-Dichlorobenzene	ug/L	ND	20	22.5	112	70-130	
1,3-Dichloropropane	ug/L	ND	20	22.9	114	70-130	
1,4-Dichlorobenzene	ug/L	ND	20	21.0	104	70-130	
2,2-Dichloropropane	ug/L	ND	20	24.2	121	70-130	
2-Butanone (MEK)	ug/L	ND	40	40.2	100	70-130	
2-Chlorotoluene	ug/L	ND	20	23.5	117	70-130	
2-Hexanone	ug/L	ND	40	43.5	109	70-130	
4-Chlorotoluene	ug/L	ND	20	23.8	119	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	40.7	102	70-130	
Acetone	ug/L	ND	40	37.9	95	70-130	
Benzene	ug/L	ND	20	23.4	117	70-148	
Bromobenzene	ug/L	ND	20	22.4	112	70-130	
Bromochloromethane	ug/L	ND	20	25.4	127	70-130	
Bromodichloromethane	ug/L	ND	20	20.2	101	70-130	
Bromoform	ug/L	ND	20	19.0	95	70-130	
Bromomethane	ug/L	ND	20	20.1	100	70-130	
Carbon tetrachloride	ug/L	ND	20	25.6	128	70-130	
Chlorobenzene	ug/L	ND	20	23.4	117	70-146	
Chloroethane	ug/L	ND	20	24.3	122	70-130	
Chloroform	ug/L	1.2	20	23.6	112	70-130	
Chloromethane	ug/L	ND	20	21.4	107	70-130	
cis-1,2-Dichloroethene	ug/L	ND	20	24.2	121	70-130	
cis-1,3-Dichloropropene	ug/L	ND	20	22.4	112	70-130	
Dibromochloromethane	ug/L	ND	20	21.1	105	70-130	
Dibromomethane	ug/L	ND	20	21.7	108	70-130	
Dichlorodifluoromethane	ug/L	ND	20	25.1	126	70-130	
Diisopropyl ether	ug/L	ND	20	21.8	109	70-130	
Ethylbenzene	ug/L	ND	20	23.1	115	70-130	
Hexachloro-1,3-butadiene	ug/L	ND	20	25.4	127	70-130	
m&p-Xylene	ug/L	ND	40	47.9	120	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	20.9	104	70-130	
Methylene Chloride	ug/L	ND	20	22.7	114	70-130	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

MATRIX SPIKE SAMPLE: 1436563		92244804002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Naphthalene	ug/L	ND	20	22.5	113	70-130	
o-Xylene	ug/L	ND	20	23.4	117	70-130	
p-Isopropyltoluene	ug/L	ND	20	23.0	115	70-130	
Styrene	ug/L	ND	20	22.5	113	70-130	
Tetrachloroethene	ug/L	1.3	20	25.1	119	70-130	
Toluene	ug/L	ND	20	22.5	112	70-155	
trans-1,2-Dichloroethene	ug/L	ND	20	23.7	119	70-130	
trans-1,3-Dichloropropene	ug/L	ND	20	22.5	113	70-130	
Trichloroethene	ug/L	ND	20	22.9	113	69-151	
Trichlorofluoromethane	ug/L	0.24J	20	25.0	124	70-130	
Vinyl acetate	ug/L	ND	40	43.4	109	70-130	
Vinyl chloride	ug/L	ND	20	24.0	120	70-130	
1,2-Dichloroethane-d4 (S)	%				102	70-130	
4-Bromofluorobenzene (S)	%				110	70-130	
Toluene-d8 (S)	%				97	70-130	

SAMPLE DUPLICATE: 1436564

Parameter	Units	92244804004	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
2-Hexanone	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

SAMPLE DUPLICATE: 1436564

Parameter	Units	92244804004 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	3.0	3.3	11	30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
Naphthalene	ug/L	1.9	2.1	10	30	
o-Xylene	ug/L	0.31J	0.34J		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl acetate	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	107	108	2		
4-Bromofluorobenzene (S)	%	108	109	1		
Toluene-d8 (S)	%	101	102	1		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

QC Batch: MSV/31187 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92245073002, 92245073005, 92245073006

METHOD BLANK: 1433885 Matrix: Solid
Associated Lab Samples: 92245073002, 92245073005, 92245073006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	4.4	04/14/15 15:31	
1,1,1-Trichloroethane	ug/kg	ND	4.4	04/14/15 15:31	
1,1,2,2-Tetrachloroethane	ug/kg	ND	4.4	04/14/15 15:31	
1,1,2-Trichloroethane	ug/kg	ND	4.4	04/14/15 15:31	
1,1-Dichloroethane	ug/kg	ND	4.4	04/14/15 15:31	
1,1-Dichloroethene	ug/kg	ND	4.4	04/14/15 15:31	
1,1-Dichloropropene	ug/kg	ND	4.4	04/14/15 15:31	
1,2,3-Trichlorobenzene	ug/kg	ND	4.4	04/14/15 15:31	
1,2,3-Trichloropropane	ug/kg	ND	4.4	04/14/15 15:31	
1,2,4-Trichlorobenzene	ug/kg	ND	4.4	04/14/15 15:31	
1,2,4-Trimethylbenzene	ug/kg	ND	4.4	04/14/15 15:31	
1,2-Dibromo-3-chloropropane	ug/kg	ND	4.4	04/14/15 15:31	
1,2-Dibromoethane (EDB)	ug/kg	ND	4.4	04/14/15 15:31	
1,2-Dichlorobenzene	ug/kg	ND	4.4	04/14/15 15:31	
1,2-Dichloroethane	ug/kg	ND	4.4	04/14/15 15:31	
1,2-Dichloropropane	ug/kg	ND	4.4	04/14/15 15:31	
1,3,5-Trimethylbenzene	ug/kg	ND	4.4	04/14/15 15:31	
1,3-Dichlorobenzene	ug/kg	ND	4.4	04/14/15 15:31	
1,3-Dichloropropane	ug/kg	ND	4.4	04/14/15 15:31	
1,4-Dichlorobenzene	ug/kg	ND	4.4	04/14/15 15:31	
2,2-Dichloropropane	ug/kg	ND	4.4	04/14/15 15:31	
2-Butanone (MEK)	ug/kg	ND	88.8	04/14/15 15:31	
2-Chlorotoluene	ug/kg	ND	4.4	04/14/15 15:31	
2-Hexanone	ug/kg	ND	44.4	04/14/15 15:31	
4-Chlorotoluene	ug/kg	ND	4.4	04/14/15 15:31	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	44.4	04/14/15 15:31	
Acetone	ug/kg	ND	88.8	04/14/15 15:31	
Benzene	ug/kg	ND	4.4	04/14/15 15:31	
Bromobenzene	ug/kg	ND	4.4	04/14/15 15:31	
Bromochloromethane	ug/kg	ND	4.4	04/14/15 15:31	
Bromodichloromethane	ug/kg	ND	4.4	04/14/15 15:31	
Bromoform	ug/kg	ND	4.4	04/14/15 15:31	
Bromomethane	ug/kg	ND	8.9	04/14/15 15:31	
Carbon tetrachloride	ug/kg	ND	4.4	04/14/15 15:31	
Chlorobenzene	ug/kg	ND	4.4	04/14/15 15:31	
Chloroethane	ug/kg	ND	8.9	04/14/15 15:31	
Chloroform	ug/kg	ND	4.4	04/14/15 15:31	
Chloromethane	ug/kg	ND	8.9	04/14/15 15:31	
cis-1,2-Dichloroethene	ug/kg	ND	4.4	04/14/15 15:31	
cis-1,3-Dichloropropene	ug/kg	ND	4.4	04/14/15 15:31	
Dibromochloromethane	ug/kg	ND	4.4	04/14/15 15:31	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

METHOD BLANK: 1433885 Matrix: Solid
Associated Lab Samples: 92245073002, 92245073005, 92245073006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	4.4	04/14/15 15:31	
Dichlorodifluoromethane	ug/kg	ND	8.9	04/14/15 15:31	
Diisopropyl ether	ug/kg	ND	4.4	04/14/15 15:31	
Ethylbenzene	ug/kg	ND	4.4	04/14/15 15:31	
Hexachloro-1,3-butadiene	ug/kg	ND	4.4	04/14/15 15:31	
Isopropylbenzene (Cumene)	ug/kg	ND	4.4	04/14/15 15:31	
m&p-Xylene	ug/kg	ND	8.9	04/14/15 15:31	
Methyl-tert-butyl ether	ug/kg	ND	4.4	04/14/15 15:31	
Methylene Chloride	ug/kg	ND	17.8	04/14/15 15:31	
n-Butylbenzene	ug/kg	ND	4.4	04/14/15 15:31	
n-Propylbenzene	ug/kg	ND	4.4	04/14/15 15:31	
Naphthalene	ug/kg	ND	4.4	04/14/15 15:31	
o-Xylene	ug/kg	ND	4.4	04/14/15 15:31	
p-Isopropyltoluene	ug/kg	ND	4.4	04/14/15 15:31	
sec-Butylbenzene	ug/kg	ND	4.4	04/14/15 15:31	
Styrene	ug/kg	ND	4.4	04/14/15 15:31	
tert-Butylbenzene	ug/kg	ND	4.4	04/14/15 15:31	
Tetrachloroethene	ug/kg	ND	4.4	04/14/15 15:31	
Toluene	ug/kg	ND	4.4	04/14/15 15:31	
trans-1,2-Dichloroethene	ug/kg	ND	4.4	04/14/15 15:31	
trans-1,3-Dichloropropene	ug/kg	ND	4.4	04/14/15 15:31	
Trichloroethene	ug/kg	ND	4.4	04/14/15 15:31	
Trichlorofluoromethane	ug/kg	ND	4.4	04/14/15 15:31	
Vinyl acetate	ug/kg	ND	44.4	04/14/15 15:31	
Vinyl chloride	ug/kg	ND	8.9	04/14/15 15:31	
Xylene (Total)	ug/kg	ND	8.9	04/14/15 15:31	
1,2-Dichloroethane-d4 (S)	%	107	70-132	04/14/15 15:31	
4-Bromofluorobenzene (S)	%	95	70-130	04/14/15 15:31	
Toluene-d8 (S)	%	101	70-130	04/14/15 15:31	

LABORATORY CONTROL SAMPLE: 1433886

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	48.4	50.8	105	74-137	
1,1,1-Trichloroethane	ug/kg	48.4	47.3	98	67-140	
1,1,2,2-Tetrachloroethane	ug/kg	48.4	44.0	91	72-141	
1,1,2-Trichloroethane	ug/kg	48.4	46.4	96	78-138	
1,1-Dichloroethane	ug/kg	48.4	44.8	92	69-134	
1,1-Dichloroethene	ug/kg	48.4	44.0	91	67-138	
1,1-Dichloropropene	ug/kg	48.4	48.8	101	69-139	
1,2,3-Trichlorobenzene	ug/kg	48.4	47.7	98	70-146	
1,2,3-Trichloropropane	ug/kg	48.4	50.9	105	69-144	
1,2,4-Trichlorobenzene	ug/kg	48.4	50.1	104	68-148	
1,2,4-Trimethylbenzene	ug/kg	48.4	52.2	108	74-137	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

LABORATORY CONTROL SAMPLE: 1433886

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/kg	48.4	53.9	111	65-140	
1,2-Dibromoethane (EDB)	ug/kg	48.4	52.6	109	77-135	
1,2-Dichlorobenzene	ug/kg	48.4	51.2	106	77-141	
1,2-Dichloroethane	ug/kg	48.4	46.5	96	65-137	
1,2-Dichloropropane	ug/kg	48.4	44.1	91	72-136	
1,3,5-Trimethylbenzene	ug/kg	48.4	50.7	105	76-133	
1,3-Dichlorobenzene	ug/kg	48.4	51.1	106	74-138	
1,3-Dichloropropane	ug/kg	48.4	49.5	102	71-139	
1,4-Dichlorobenzene	ug/kg	48.4	51.1	106	76-138	
2,2-Dichloropropane	ug/kg	48.4	46.0	95	68-137	
2-Butanone (MEK)	ug/kg	96.9	80.3J	83	58-147	
2-Chlorotoluene	ug/kg	48.4	48.0	99	73-139	
2-Hexanone	ug/kg	96.9	94.4	97	62-145	
4-Chlorotoluene	ug/kg	48.4	50.6	105	76-141	
4-Methyl-2-pentanone (MIBK)	ug/kg	96.9	92.6	96	64-149	
Acetone	ug/kg	96.9	81.5J	84	53-153	
Benzene	ug/kg	48.4	48.1	99	73-135	
Bromobenzene	ug/kg	48.4	45.4	94	75-133	
Bromochloromethane	ug/kg	48.4	45.0	93	73-134	
Bromodichloromethane	ug/kg	48.4	44.5	92	71-135	
Bromoform	ug/kg	48.4	48.8	101	66-141	
Bromomethane	ug/kg	48.4	52.8	109	53-160	
Carbon tetrachloride	ug/kg	48.4	49.4	102	60-145	
Chlorobenzene	ug/kg	48.4	50.7	105	78-130	
Chloroethane	ug/kg	48.4	45.2	93	64-149	
Chloroform	ug/kg	48.4	42.3	87	70-134	
Chloromethane	ug/kg	48.4	46.5	96	52-150	
cis-1,2-Dichloroethene	ug/kg	48.4	45.7	94	70-133	
cis-1,3-Dichloropropene	ug/kg	48.4	46.9	97	68-134	
Dibromochloromethane	ug/kg	48.4	48.2	99	71-138	
Dibromomethane	ug/kg	48.4	47.3	98	74-130	
Dichlorodifluoromethane	ug/kg	48.4	52.0	107	40-160	
Diisopropyl ether	ug/kg	48.4	42.4	88	69-141	
Ethylbenzene	ug/kg	48.4	51.6	106	75-133	
Hexachloro-1,3-butadiene	ug/kg	48.4	49.9	103	68-143	
Isopropylbenzene (Cumene)	ug/kg	48.4	52.4	108	76-143	
m&p-Xylene	ug/kg	96.9	117	120	75-136	
Methyl-tert-butyl ether	ug/kg	48.4	44.2	91	68-144	
Methylene Chloride	ug/kg	48.4	54.4	112	45-154	
n-Butylbenzene	ug/kg	48.4	52.5	108	72-137	
n-Propylbenzene	ug/kg	48.4	56.6	117	76-136	
Naphthalene	ug/kg	48.4	52.1	108	68-151	
o-Xylene	ug/kg	48.4	49.7	103	76-141	
p-Isopropyltoluene	ug/kg	48.4	51.6	107	76-140	
sec-Butylbenzene	ug/kg	48.4	50.2	104	79-139	
Styrene	ug/kg	48.4	53.0	109	79-137	
tert-Butylbenzene	ug/kg	48.4	50.2	104	74-143	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

LABORATORY CONTROL SAMPLE: 1433886

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/kg	48.4	52.0	107	71-138	
Toluene	ug/kg	48.4	46.8	97	74-131	
trans-1,2-Dichloroethene	ug/kg	48.4	44.5	92	67-135	
trans-1,3-Dichloropropene	ug/kg	48.4	50.3	104	65-146	
Trichloroethene	ug/kg	48.4	51.5	106	67-135	
Trichlorofluoromethane	ug/kg	48.4	47.7	98	59-144	
Vinyl acetate	ug/kg	96.9	143	148	40-160	
Vinyl chloride	ug/kg	48.4	45.9	95	56-141	
Xylene (Total)	ug/kg	145	166	114	76-137	
1,2-Dichloroethane-d4 (S)	%			102	70-132	
4-Bromofluorobenzene (S)	%			105	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 1434896

Parameter	Units	92244872001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	19.9	17.6	89	70-130	
1,1,1-Trichloroethane	ug/kg	ND	19.9	19.4	98	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	ND	19.9	18.4	93	70-130	
1,1,2-Trichloroethane	ug/kg	ND	19.9	18.9	95	70-130	
1,1-Dichloroethane	ug/kg	ND	19.9	19.9	100	70-130	
1,1-Dichloroethene	ug/kg	ND	19.9	19.1	96	49-180	
1,1-Dichloropropene	ug/kg	ND	19.9	21.8	110	70-130	
1,2,3-Trichlorobenzene	ug/kg	ND	19.9	12.4	62	70-130	M1
1,2,3-Trichloropropane	ug/kg	ND	19.9	19.2	96	70-130	
1,2,4-Trichlorobenzene	ug/kg	ND	19.9	13.3	67	70-130	M1
1,2,4-Trimethylbenzene	ug/kg	ND	19.9	19.0	96	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	ND	19.9	19.2	97	70-130	
1,2-Dibromoethane (EDB)	ug/kg	ND	19.9	17.9	90	70-130	
1,2-Dichlorobenzene	ug/kg	ND	19.9	16.8	85	70-130	
1,2-Dichloroethane	ug/kg	ND	19.9	19.0	96	70-130	
1,2-Dichloropropane	ug/kg	ND	19.9	19.0	96	70-130	
1,3,5-Trimethylbenzene	ug/kg	ND	19.9	19.5	98	70-130	
1,3-Dichlorobenzene	ug/kg	ND	19.9	16.9	85	70-130	
1,3-Dichloropropane	ug/kg	ND	19.9	19.4	98	70-130	
1,4-Dichlorobenzene	ug/kg	ND	19.9	17.3	87	70-130	
2,2-Dichloropropane	ug/kg	ND	19.9	19.5	98	70-130	
2-Butanone (MEK)	ug/kg	ND	39.7	35.3J	89	70-130	
2-Chlorotoluene	ug/kg	ND	19.9	21.0	106	70-130	
2-Hexanone	ug/kg	ND	39.7	28.9J	73	70-130	
4-Chlorotoluene	ug/kg	ND	19.9	18.5	93	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	39.7	34.4J	87	70-130	
Acetone	ug/kg	ND	39.7	44.4J	112	70-130	
Benzene	ug/kg	ND	19.9	20.1	101	50-166	
Bromobenzene	ug/kg	ND	19.9	18.7	94	70-130	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

MATRIX SPIKE SAMPLE: 1434896		92244872001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromochloromethane	ug/kg	ND	19.9	18.8	95	70-130	
Bromodichloromethane	ug/kg	ND	19.9	16.4	82	70-130	
Bromoform	ug/kg	ND	19.9	15.8	80	70-130	
Bromomethane	ug/kg	ND	19.9	22.0	111	70-130	
Carbon tetrachloride	ug/kg	ND	19.9	19.7	99	70-130	
Chlorobenzene	ug/kg	ND	19.9	18.7	94	43-169	
Chloroethane	ug/kg	ND	19.9	22.1	111	70-130	
Chloroform	ug/kg	ND	19.9	17.7	89	70-130	
Chloromethane	ug/kg	ND	19.9	22.2	112	70-130	
cis-1,2-Dichloroethene	ug/kg	ND	19.9	18.9	95	70-130	
cis-1,3-Dichloropropene	ug/kg	ND	19.9	17.8	90	70-130	
Dibromochloromethane	ug/kg	ND	19.9	17.0	86	70-130	
Dibromomethane	ug/kg	ND	19.9	18.4	93	70-130	
Dichlorodifluoromethane	ug/kg	ND	19.9	21.6	109	70-130	
Diisopropyl ether	ug/kg	ND	19.9	17.3	87	70-130	
Ethylbenzene	ug/kg	ND	19.9	20.1	101	70-130	
Hexachloro-1,3-butadiene	ug/kg	ND	19.9	16.0	80	70-130	
Isopropylbenzene (Cumene)	ug/kg	ND	19.9	20.3	102	70-130	
m&p-Xylene	ug/kg	ND	39.7	39.7	100	70-130	
Methyl-tert-butyl ether	ug/kg	ND	19.9	18.2	92	70-130	
Methylene Chloride	ug/kg	ND	19.9	20.5	51	70-130	M1
n-Butylbenzene	ug/kg	ND	19.9	19.0	96	70-130	
n-Propylbenzene	ug/kg	ND	19.9	20.8	105	70-130	
Naphthalene	ug/kg	ND	19.9	16.6	84	70-130	
o-Xylene	ug/kg	ND	19.9	19.0	96	70-130	
p-Isopropyltoluene	ug/kg	ND	19.9	19.6	99	70-130	
sec-Butylbenzene	ug/kg	ND	19.9	21.5	108	70-130	
Styrene	ug/kg	ND	19.9	18.0	90	70-130	
tert-Butylbenzene	ug/kg	ND	19.9	19.9	100	70-130	
Tetrachloroethene	ug/kg	ND	19.9	19.5	98	70-130	
Toluene	ug/kg	ND	19.9	19.6	98	52-163	
trans-1,2-Dichloroethene	ug/kg	ND	19.9	19.4	98	70-130	
trans-1,3-Dichloropropene	ug/kg	ND	19.9	17.5	88	70-130	
Trichloroethene	ug/kg	ND	19.9	19.3	97	49-167	
Trichlorofluoromethane	ug/kg	ND	19.9	21.6	109	70-130	
Vinyl acetate	ug/kg	ND	39.7	37.3J	94	70-130	
Vinyl chloride	ug/kg	ND	19.9	22.8	115	70-130	
1,2-Dichloroethane-d4 (S)	%				107	70-132	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 1434895

Parameter	Units	92244621005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

SAMPLE DUPLICATE: 1434895

Parameter	Units	92244621005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,2-Trichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	
1,1-Dichloropropene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,3-Trichloropropane	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,4-Trimethylbenzene	ug/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichloroethane	ug/kg	ND	ND		30	
1,2-Dichloropropane	ug/kg	ND	ND		30	
1,3,5-Trimethylbenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	
1,3-Dichloropropane	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
2,2-Dichloropropane	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	ND	ND		30	
2-Chlorotoluene	ug/kg	ND	ND		30	
2-Hexanone	ug/kg	ND	ND		30	
4-Chlorotoluene	ug/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		30	
Acetone	ug/kg	ND	ND		30	
Benzene	ug/kg	ND	ND		30	
Bromobenzene	ug/kg	ND	ND		30	
Bromochloromethane	ug/kg	ND	ND		30	
Bromodichloromethane	ug/kg	ND	ND		30	
Bromoform	ug/kg	ND	ND		30	
Bromomethane	ug/kg	ND	ND		30	
Carbon tetrachloride	ug/kg	ND	ND		30	
Chlorobenzene	ug/kg	ND	ND		30	
Chloroethane	ug/kg	ND	ND		30	
Chloroform	ug/kg	ND	ND		30	
Chloromethane	ug/kg	ND	ND		30	
cis-1,2-Dichloroethene	ug/kg	ND	ND		30	
cis-1,3-Dichloropropene	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dibromomethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30	
Diisopropyl ether	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	
m&p-Xylene	ug/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

SAMPLE DUPLICATE: 1434895

Parameter	Units	92244621005 Result	Dup Result	RPD	Max RPD	Qualifiers
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	ND	ND		30	
n-Butylbenzene	ug/kg	ND	ND		30	
n-Propylbenzene	ug/kg	ND	ND		30	
Naphthalene	ug/kg	ND	ND		30	
o-Xylene	ug/kg	ND	ND		30	
p-Isopropyltoluene	ug/kg	ND	ND		30	
sec-Butylbenzene	ug/kg	ND	ND		30	
Styrene	ug/kg	ND	ND		30	
tert-Butylbenzene	ug/kg	ND	ND		30	
Tetrachloroethene	ug/kg	ND	ND		30	
Toluene	ug/kg	ND	ND		30	
trans-1,2-Dichloroethene	ug/kg	ND	ND		30	
trans-1,3-Dichloropropene	ug/kg	ND	ND		30	
Trichloroethene	ug/kg	ND	ND		30	
Trichlorofluoromethane	ug/kg	ND	ND		30	
Vinyl acetate	ug/kg	ND	ND		30	
Vinyl chloride	ug/kg	ND	ND		30	
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	124	102	25		
4-Bromofluorobenzene (S)	%	101	95	12		
Toluene-d8 (S)	%	100	103	2		

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

QC Batch: MSV/31202 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92245073001, 92245073003, 92245073004, 92245073007

METHOD BLANK: 1435054 Matrix: Solid
Associated Lab Samples: 92245073001, 92245073003, 92245073004, 92245073007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	4.6	04/15/15 13:39	
1,1,1-Trichloroethane	ug/kg	ND	4.6	04/15/15 13:39	
1,1,2,2-Tetrachloroethane	ug/kg	ND	4.6	04/15/15 13:39	
1,1,2-Trichloroethane	ug/kg	ND	4.6	04/15/15 13:39	
1,1-Dichloroethane	ug/kg	ND	4.6	04/15/15 13:39	
1,1-Dichloroethene	ug/kg	ND	4.6	04/15/15 13:39	
1,1-Dichloropropene	ug/kg	ND	4.6	04/15/15 13:39	
1,2,3-Trichlorobenzene	ug/kg	ND	4.6	04/15/15 13:39	
1,2,3-Trichloropropane	ug/kg	ND	4.6	04/15/15 13:39	
1,2,4-Trichlorobenzene	ug/kg	ND	4.6	04/15/15 13:39	
1,2,4-Trimethylbenzene	ug/kg	ND	4.6	04/15/15 13:39	
1,2-Dibromo-3-chloropropane	ug/kg	ND	4.6	04/15/15 13:39	
1,2-Dibromoethane (EDB)	ug/kg	ND	4.6	04/15/15 13:39	
1,2-Dichlorobenzene	ug/kg	ND	4.6	04/15/15 13:39	
1,2-Dichloroethane	ug/kg	ND	4.6	04/15/15 13:39	
1,2-Dichloropropane	ug/kg	ND	4.6	04/15/15 13:39	
1,3,5-Trimethylbenzene	ug/kg	ND	4.6	04/15/15 13:39	
1,3-Dichlorobenzene	ug/kg	ND	4.6	04/15/15 13:39	
1,3-Dichloropropane	ug/kg	ND	4.6	04/15/15 13:39	
1,4-Dichlorobenzene	ug/kg	ND	4.6	04/15/15 13:39	
2,2-Dichloropropane	ug/kg	ND	4.6	04/15/15 13:39	
2-Butanone (MEK)	ug/kg	ND	91.7	04/15/15 13:39	
2-Chlorotoluene	ug/kg	ND	4.6	04/15/15 13:39	
2-Hexanone	ug/kg	ND	45.9	04/15/15 13:39	
4-Chlorotoluene	ug/kg	ND	4.6	04/15/15 13:39	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	45.9	04/15/15 13:39	
Acetone	ug/kg	ND	91.7	04/15/15 13:39	
Benzene	ug/kg	ND	4.6	04/15/15 13:39	
Bromobenzene	ug/kg	ND	4.6	04/15/15 13:39	
Bromochloromethane	ug/kg	ND	4.6	04/15/15 13:39	
Bromodichloromethane	ug/kg	ND	4.6	04/15/15 13:39	
Bromoform	ug/kg	ND	4.6	04/15/15 13:39	
Bromomethane	ug/kg	ND	9.2	04/15/15 13:39	
Carbon tetrachloride	ug/kg	ND	4.6	04/15/15 13:39	
Chlorobenzene	ug/kg	ND	4.6	04/15/15 13:39	
Chloroethane	ug/kg	ND	9.2	04/15/15 13:39	
Chloroform	ug/kg	ND	4.6	04/15/15 13:39	
Chloromethane	ug/kg	ND	9.2	04/15/15 13:39	
cis-1,2-Dichloroethene	ug/kg	ND	4.6	04/15/15 13:39	
cis-1,3-Dichloropropene	ug/kg	ND	4.6	04/15/15 13:39	
Dibromochloromethane	ug/kg	ND	4.6	04/15/15 13:39	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

METHOD BLANK: 1435054

Matrix: Solid

Associated Lab Samples: 92245073001, 92245073003, 92245073004, 92245073007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	4.6	04/15/15 13:39	
Dichlorodifluoromethane	ug/kg	ND	9.2	04/15/15 13:39	
Diisopropyl ether	ug/kg	ND	4.6	04/15/15 13:39	
Ethylbenzene	ug/kg	ND	4.6	04/15/15 13:39	
Hexachloro-1,3-butadiene	ug/kg	ND	4.6	04/15/15 13:39	
Isopropylbenzene (Cumene)	ug/kg	ND	4.6	04/15/15 13:39	
m&p-Xylene	ug/kg	ND	9.2	04/15/15 13:39	
Methyl-tert-butyl ether	ug/kg	ND	4.6	04/15/15 13:39	
Methylene Chloride	ug/kg	ND	18.3	04/15/15 13:39	
n-Butylbenzene	ug/kg	ND	4.6	04/15/15 13:39	
n-Propylbenzene	ug/kg	ND	4.6	04/15/15 13:39	
Naphthalene	ug/kg	ND	4.6	04/15/15 13:39	
o-Xylene	ug/kg	ND	4.6	04/15/15 13:39	
p-Isopropyltoluene	ug/kg	ND	4.6	04/15/15 13:39	
sec-Butylbenzene	ug/kg	ND	4.6	04/15/15 13:39	
Styrene	ug/kg	ND	4.6	04/15/15 13:39	
tert-Butylbenzene	ug/kg	ND	4.6	04/15/15 13:39	
Tetrachloroethene	ug/kg	ND	4.6	04/15/15 13:39	
Toluene	ug/kg	ND	4.6	04/15/15 13:39	
trans-1,2-Dichloroethene	ug/kg	ND	4.6	04/15/15 13:39	
trans-1,3-Dichloropropene	ug/kg	ND	4.6	04/15/15 13:39	
Trichloroethene	ug/kg	ND	4.6	04/15/15 13:39	
Trichlorofluoromethane	ug/kg	ND	4.6	04/15/15 13:39	
Vinyl acetate	ug/kg	ND	45.9	04/15/15 13:39	
Vinyl chloride	ug/kg	ND	9.2	04/15/15 13:39	
Xylene (Total)	ug/kg	ND	9.2	04/15/15 13:39	
1,2-Dichloroethane-d4 (S)	%	105	70-132	04/15/15 13:39	
4-Bromofluorobenzene (S)	%	98	70-130	04/15/15 13:39	
Toluene-d8 (S)	%	102	70-130	04/15/15 13:39	

LABORATORY CONTROL SAMPLE: 1435055

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	46.7	45.2	97	74-137	
1,1,1-Trichloroethane	ug/kg	46.7	53.0	113	67-140	
1,1,2,2-Tetrachloroethane	ug/kg	46.7	38.4	82	72-141	
1,1,2-Trichloroethane	ug/kg	46.7	45.7	98	78-138	
1,1-Dichloroethane	ug/kg	46.7	55.4	119	69-134	
1,1-Dichloroethene	ug/kg	46.7	51.5	110	67-138	
1,1-Dichloropropene	ug/kg	46.7	59.9	128	69-139	
1,2,3-Trichlorobenzene	ug/kg	46.7	45.7	98	70-146	
1,2,3-Trichloropropane	ug/kg	46.7	50.5	108	69-144	
1,2,4-Trichlorobenzene	ug/kg	46.7	44.3	95	68-148	
1,2,4-Trimethylbenzene	ug/kg	46.7	45.3	97	74-137	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

LABORATORY CONTROL SAMPLE: 1435055

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/kg	46.7	46.4	99	65-140	
1,2-Dibromoethane (EDB)	ug/kg	46.7	46.0	98	77-135	
1,2-Dichlorobenzene	ug/kg	46.7	44.6	95	77-141	
1,2-Dichloroethane	ug/kg	46.7	53.8	115	65-137	
1,2-Dichloropropane	ug/kg	46.7	46.4	99	72-136	
1,3,5-Trimethylbenzene	ug/kg	46.7	44.9	96	76-133	
1,3-Dichlorobenzene	ug/kg	46.7	44.2	95	74-138	
1,3-Dichloropropane	ug/kg	46.7	47.7	102	71-139	
1,4-Dichlorobenzene	ug/kg	46.7	44.1	94	76-138	
2,2-Dichloropropane	ug/kg	46.7	53.6	115	68-137	
2-Butanone (MEK)	ug/kg	93.5	104	112	58-147	
2-Chlorotoluene	ug/kg	46.7	48.9	105	73-139	
2-Hexanone	ug/kg	93.5	98.1	105	62-145	
4-Chlorotoluene	ug/kg	46.7	44.4	95	76-141	
4-Methyl-2-pentanone (MIBK)	ug/kg	93.5	91.3	98	64-149	
Acetone	ug/kg	93.5	97.0	104	53-153	
Benzene	ug/kg	46.7	45.8	98	73-135	
Bromobenzene	ug/kg	46.7	46.6	100	75-133	
Bromochloromethane	ug/kg	46.7	53.8	115	73-134	
Bromodichloromethane	ug/kg	46.7	40.6	87	71-135	
Bromoform	ug/kg	46.7	42.2	90	66-141	
Bromomethane	ug/kg	46.7	65.0	139	53-160	
Carbon tetrachloride	ug/kg	46.7	46.0	98	60-145	
Chlorobenzene	ug/kg	46.7	46.1	99	78-130	
Chloroethane	ug/kg	46.7	62.6	134	64-149	
Chloroform	ug/kg	46.7	49.9	107	70-134	
Chloromethane	ug/kg	46.7	57.9	124	52-150	
cis-1,2-Dichloroethene	ug/kg	46.7	55.0	118	70-133	
cis-1,3-Dichloropropene	ug/kg	46.7	46.3	99	68-134	
Dibromochloromethane	ug/kg	46.7	43.0	92	71-138	
Dibromomethane	ug/kg	46.7	44.4	95	74-130	
Dichlorodifluoromethane	ug/kg	46.7	56.0	120	40-160	
Diisopropyl ether	ug/kg	46.7	51.8	111	69-141	
Ethylbenzene	ug/kg	46.7	47.3	101	75-133	
Hexachloro-1,3-butadiene	ug/kg	46.7	42.3	91	68-143	
Isopropylbenzene (Cumene)	ug/kg	46.7	48.7	104	76-143	
m&p-Xylene	ug/kg	93.5	93.7	100	75-136	
Methyl-tert-butyl ether	ug/kg	46.7	51.2	110	68-144	
Methylene Chloride	ug/kg	46.7	53.2	114	45-154	
n-Butylbenzene	ug/kg	46.7	44.2	95	72-137	
n-Propylbenzene	ug/kg	46.7	45.6	98	76-136	
Naphthalene	ug/kg	46.7	46.6	100	68-151	
o-Xylene	ug/kg	46.7	46.6	100	76-141	
p-Isopropyltoluene	ug/kg	46.7	44.0	94	76-140	
sec-Butylbenzene	ug/kg	46.7	47.5	102	79-139	
Styrene	ug/kg	46.7	47.7	102	79-137	
tert-Butylbenzene	ug/kg	46.7	44.9	96	74-143	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

LABORATORY CONTROL SAMPLE: 1435055

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/kg	46.7	44.9	96	71-138	
Toluene	ug/kg	46.7	45.0	96	74-131	
trans-1,2-Dichloroethene	ug/kg	46.7	53.7	115	67-135	
trans-1,3-Dichloropropene	ug/kg	46.7	46.5	99	65-146	
Trichloroethene	ug/kg	46.7	49.1	105	67-135	
Trichlorofluoromethane	ug/kg	46.7	56.6	121	59-144	
Vinyl acetate	ug/kg	93.5	143	153	40-160	
Vinyl chloride	ug/kg	46.7	60.3	129	56-141	
Xylene (Total)	ug/kg	140	140	100	76-137	
1,2-Dichloroethane-d4 (S)	%			122	70-132	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 1436127

Parameter	Units	92245040009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	19.4	22.2	114	70-130	
1,1,1-Trichloroethane	ug/kg	ND	19.4	21.7	112	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	ND	19.4	26.2	135	70-130	M1
1,1,2-Trichloroethane	ug/kg	ND	19.4	26.5	137	70-130	M1
1,1-Dichloroethane	ug/kg	ND	19.4	23.1	119	70-130	
1,1-Dichloroethene	ug/kg	ND	19.4	21.4	110	49-180	
1,1-Dichloropropene	ug/kg	ND	19.4	23.0	119	70-130	
1,2,3-Trichlorobenzene	ug/kg	ND	19.4	21.5	111	70-130	
1,2,3-Trichloropropane	ug/kg	ND	19.4	28.3	146	70-130	M1
1,2,4-Trichlorobenzene	ug/kg	ND	19.4	19.7	102	70-130	
1,2,4-Trimethylbenzene	ug/kg	ND	19.4	19.6	101	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	ND	19.4	28.9	149	70-130	M1
1,2-Dibromoethane (EDB)	ug/kg	ND	19.4	26.7	138	70-130	M1
1,2-Dichlorobenzene	ug/kg	ND	19.4	21.2	109	70-130	
1,2-Dichloroethane	ug/kg	ND	19.4	26.0	134	70-130	M1
1,2-Dichloropropane	ug/kg	ND	19.4	22.1	114	70-130	
1,3,5-Trimethylbenzene	ug/kg	ND	19.4	19.3	100	70-130	
1,3-Dichlorobenzene	ug/kg	ND	19.4	19.7	102	70-130	
1,3-Dichloropropane	ug/kg	ND	19.4	25.2	130	70-130	
1,4-Dichlorobenzene	ug/kg	ND	19.4	20.1	104	70-130	
2,2-Dichloropropane	ug/kg	ND	19.4	20.5	106	70-130	
2-Butanone (MEK)	ug/kg	ND	38.7	57.0J	108	70-130	
2-Chlorotoluene	ug/kg	ND	19.4	19.8	102	70-130	
2-Hexanone	ug/kg	ND	38.7	54.2	140	70-130	M1
4-Chlorotoluene	ug/kg	ND	19.4	19.6	101	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	38.7	56.7	146	70-130	M1
Acetone	ug/kg	191	38.7	148	-111	70-130	M1
Benzene	ug/kg	ND	19.4	21.3	110	50-166	
Bromobenzene	ug/kg	ND	19.4	21.1	109	70-130	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

MATRIX SPIKE SAMPLE: 1436127		92245040009	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromochloromethane	ug/kg	ND	19.4	25.3	131	70-130	M1
Bromodichloromethane	ug/kg	ND	19.4	20.5	106	70-130	
Bromoform	ug/kg	ND	19.4	21.6	112	70-130	
Bromomethane	ug/kg	ND	19.4	23.2	120	70-130	
Carbon tetrachloride	ug/kg	ND	19.4	19.3	100	70-130	
Chlorobenzene	ug/kg	ND	19.4	21.0	109	43-169	
Chloroethane	ug/kg	ND	19.4	22.3	115	70-130	
Chloroform	ug/kg	ND	19.4	20.7	107	70-130	
Chloromethane	ug/kg	ND	19.4	22.2	114	70-130	
cis-1,2-Dichloroethene	ug/kg	ND	19.4	22.4	115	70-130	
cis-1,3-Dichloropropene	ug/kg	ND	19.4	22.9	118	70-130	
Dibromochloromethane	ug/kg	ND	19.4	21.6	112	70-130	
Dibromomethane	ug/kg	ND	19.4	25.4	131	70-130	M1
Dichlorodifluoromethane	ug/kg	ND	19.4	20.0	103	70-130	
Diisopropyl ether	ug/kg	ND	19.4	25.4	131	70-130	M1
Ethylbenzene	ug/kg	ND	19.4	20.4	105	70-130	
Hexachloro-1,3-butadiene	ug/kg	ND	19.4	17.2	89	70-130	
Isopropylbenzene (Cumene)	ug/kg	ND	19.4	20.4	105	70-130	
m&p-Xylene	ug/kg	ND	38.7	40.6	104	70-130	
Methyl-tert-butyl ether	ug/kg	ND	19.4	29.6	152	70-130	M1
Methylene Chloride	ug/kg	ND	19.4	18.7J	33	70-130	M1
n-Butylbenzene	ug/kg	ND	19.4	18.1	94	70-130	
n-Propylbenzene	ug/kg	ND	19.4	18.9	97	70-130	
Naphthalene	ug/kg	ND	19.4	26.2	133	70-130	M1
o-Xylene	ug/kg	ND	19.4	20.5	106	70-130	
p-Isopropyltoluene	ug/kg	ND	19.4	18.1	93	70-130	
sec-Butylbenzene	ug/kg	ND	19.4	18.7	96	70-130	
Styrene	ug/kg	ND	19.4	22.2	115	70-130	
tert-Butylbenzene	ug/kg	ND	19.4	18.7	97	70-130	
Tetrachloroethene	ug/kg	ND	19.4	20.3	105	70-130	
Toluene	ug/kg	ND	19.4	21.7	111	52-163	
trans-1,2-Dichloroethene	ug/kg	ND	19.4	22.3	115	70-130	
trans-1,3-Dichloropropene	ug/kg	ND	19.4	24.4	126	70-130	
Trichloroethene	ug/kg	ND	19.4	21.3	110	49-167	
Trichlorofluoromethane	ug/kg	ND	19.4	22.2	115	70-130	
Vinyl acetate	ug/kg	ND	38.7	104	268	70-130	M1
Vinyl chloride	ug/kg	ND	19.4	21.8	112	70-130	
1,2-Dichloroethane-d4 (S)	%				118	70-132	
4-Bromofluorobenzene (S)	%				105	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 1436128

Parameter	Units	92245420001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg		ND			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

SAMPLE DUPLICATE: 1436128

Parameter	Units	92245420001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg		ND			
1,1,2,2-Tetrachloroethane	ug/kg		ND			
1,1,2-Trichloroethane	ug/kg		ND			
1,1-Dichloroethane	ug/kg		ND			
1,1-Dichloroethene	ug/kg		ND			
1,1-Dichloropropene	ug/kg		ND			
1,2,3-Trichlorobenzene	ug/kg		ND			
1,2,3-Trichloropropane	ug/kg		ND			
1,2,4-Trichlorobenzene	ug/kg		ND			
1,2,4-Trimethylbenzene	ug/kg		ND			
1,2-Dibromo-3-chloropropane	ug/kg		ND			
1,2-Dibromoethane (EDB)	ug/kg		ND			
1,2-Dichlorobenzene	ug/kg		ND			
1,2-Dichloroethane	ug/kg		ND			
1,2-Dichloropropane	ug/kg		ND			
1,3,5-Trimethylbenzene	ug/kg		ND			
1,3-Dichlorobenzene	ug/kg		ND			
1,3-Dichloropropane	ug/kg		ND			
1,4-Dichlorobenzene	ug/kg		ND			
2,2-Dichloropropane	ug/kg		ND			
2-Butanone (MEK)	ug/kg		ND			
2-Chlorotoluene	ug/kg		ND			
2-Hexanone	ug/kg		ND			
4-Chlorotoluene	ug/kg		ND			
4-Methyl-2-pentanone (MIBK)	ug/kg		ND			
Acetone	ug/kg		ND			
Benzene	ug/kg	ND	ND		30	
Bromobenzene	ug/kg		ND			
Bromochloromethane	ug/kg		ND			
Bromodichloromethane	ug/kg		ND			
Bromoform	ug/kg		ND			
Bromomethane	ug/kg		ND			
Carbon tetrachloride	ug/kg		ND			
Chlorobenzene	ug/kg		ND			
Chloroethane	ug/kg		ND			
Chloroform	ug/kg		ND			
Chloromethane	ug/kg		ND			
cis-1,2-Dichloroethene	ug/kg		ND			
cis-1,3-Dichloropropene	ug/kg		ND			
Dibromochloromethane	ug/kg		ND			
Dibromomethane	ug/kg		ND			
Dichlorodifluoromethane	ug/kg		ND			
Diisopropyl ether	ug/kg		ND			
Ethylbenzene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg		ND			
Isopropylbenzene (Cumene)	ug/kg		ND			
m&p-Xylene	ug/kg		ND		30	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

SAMPLE DUPLICATE: 1436128

Parameter	Units	92245420001 Result	Dup Result	RPD	Max RPD	Qualifiers
Methyl-tert-butyl ether	ug/kg		ND			
Methylene Chloride	ug/kg		ND			
n-Butylbenzene	ug/kg		ND			
n-Propylbenzene	ug/kg		ND			
Naphthalene	ug/kg		ND			
o-Xylene	ug/kg		ND		30	
p-Isopropyltoluene	ug/kg		ND			
sec-Butylbenzene	ug/kg		ND			
Styrene	ug/kg		ND			
tert-Butylbenzene	ug/kg		ND			
Tetrachloroethene	ug/kg		ND			
Toluene	ug/kg	ND	ND		30	
trans-1,2-Dichloroethene	ug/kg		ND			
trans-1,3-Dichloropropene	ug/kg		ND			
Trichloroethene	ug/kg		ND			
Trichlorofluoromethane	ug/kg		ND			
Vinyl acetate	ug/kg		ND			
Vinyl chloride	ug/kg		ND			
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	153	115	35		
4-Bromofluorobenzene (S)	%	88	80	15		
Toluene-d8 (S)	%	95	108	7		

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

QC Batch: OEXT/34293 Analysis Method: EPA 8015 Modified
 QC Batch Method: EPA 3546 Analysis Description: 8015 Solid GCSV
 Associated Lab Samples: 92245073001, 92245073002, 92245073003, 92245073004, 92245073005, 92245073006, 92245073007

METHOD BLANK: 1435533 Matrix: Solid
 Associated Lab Samples: 92245073001, 92245073002, 92245073003, 92245073004, 92245073005, 92245073006, 92245073007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics(C10-C28)	mg/kg	ND	5.0	04/16/15 10:55	
n-Pentacosane (S)	%	88	41-119	04/16/15 10:55	

LABORATORY CONTROL SAMPLE: 1435534

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Range Organics(C10-C28)	mg/kg	66.7	43.1	65	49-113	
n-Pentacosane (S)	%			70	41-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1435535 1435536

Parameter	Units	92245067008		1435536		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Diesel Range Organics(C10-C28)	mg/kg	351	76	76	559	690	273	445	10-146	21	30 M3
n-Pentacosane (S)	%						69	74	41-119		

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

QC Batch: OEXT/34306 Analysis Method: EPA 8015 Modified
 QC Batch Method: EPA 3546 Analysis Description: 8015 Solid GCSV ORO
 Associated Lab Samples: 92245073001, 92245073002, 92245073003, 92245073004, 92245073005, 92245073006, 92245073007

METHOD BLANK: 1435820 Matrix: Solid
 Associated Lab Samples: 92245073001, 92245073002, 92245073003, 92245073004, 92245073005, 92245073006, 92245073007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil Range Organics (C28-C40)	mg/kg	ND	15.0	04/19/15 21:12	
n-Pentacosane (S)	%	82	41-119	04/19/15 21:12	

LABORATORY CONTROL SAMPLE: 1435821

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil Range Organics (C28-C40)	mg/kg	83.3	78.7	94	50-150	
n-Pentacosane (S)	%			84	41-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1435822 1435823

Parameter	Units	92244992007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Oil Range Organics (C28-C40)	mg/kg	ND	97	97	90.3	90.9	91	92	10-150	1	30	
n-Pentacosane (S)	%						82	83	41-119			

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

QC Batch:	OEXT/34368	Analysis Method:	EPA 8015 Modified
QC Batch Method:	EPA 3510	Analysis Description:	8015 GCS
Associated Lab Samples:	92245073009		

METHOD BLANK: 1437879 Matrix: Water

Associated Lab Samples: 92245073009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics(C10-C28)	mg/L	ND	0.50	04/18/15 02:13	
n-Pentacosane (S)	%	71	48-110	04/18/15 02:13	

LABORATORY CONTROL SAMPLE & LCSD: 1437880

1437881

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics(C10-C28)	mg/L	10	5.2	5.5	52	55	41-114	6	30	
n-Pentacosane (S)	%				91	84	48-110			

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

QC Batch:	OEXT/34367	Analysis Method:	EPA 8015 Modified
QC Batch Method:	EPA 3510	Analysis Description:	8015 GCS ORO
Associated Lab Samples:	92245073009		

METHOD BLANK: 1437872 Matrix: Water

Associated Lab Samples: 92245073009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil Range Organics (C28-C40)	mg/L	ND	2.0	04/19/15 22:00	
n-Pentacosane (S)	%	78	48-110	04/19/15 22:00	

LABORATORY CONTROL SAMPLE & LCSD: 1437873

1437874

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Oil Range Organics (C28-C40)	mg/L	12.5	8.3	8.7	66	70	50-150	5	30	
n-Pentacosane (S)	%				64	66	48-110			

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

QC Batch: OEXT/34330 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 92245073001, 92245073002, 92245073003, 92245073004, 92245073005, 92245073006, 92245073007

METHOD BLANK: 1436789 Matrix: Solid
Associated Lab Samples: 92245073001, 92245073002, 92245073003, 92245073004, 92245073005, 92245073006, 92245073007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	33.0	04/17/15 13:10	
PCB-1221 (Aroclor 1221)	ug/kg	ND	33.0	04/17/15 13:10	
PCB-1232 (Aroclor 1232)	ug/kg	ND	33.0	04/17/15 13:10	
PCB-1242 (Aroclor 1242)	ug/kg	ND	33.0	04/17/15 13:10	
PCB-1248 (Aroclor 1248)	ug/kg	ND	33.0	04/17/15 13:10	
PCB-1254 (Aroclor 1254)	ug/kg	ND	33.0	04/17/15 13:10	
PCB-1260 (Aroclor 1260)	ug/kg	ND	33.0	04/17/15 13:10	
Decachlorobiphenyl (S)	%	84	21-132	04/17/15 13:10	

LABORATORY CONTROL SAMPLE & LCSD: 1436790		1436791									
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
PCB-1016 (Aroclor 1016)	ug/kg	167	127	130	76	78	31-120	3	30		
PCB-1260 (Aroclor 1260)	ug/kg	167	143	153	86	92	32-120	7	30		
Decachlorobiphenyl (S)	%				90	92	21-132				

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

QC Batch: OEXT/34440 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave PAH
Associated Lab Samples: 92245073001, 92245073002, 92245073003, 92245073004, 92245073005, 92245073006, 92245073007

METHOD BLANK: 1439577 Matrix: Solid
Associated Lab Samples: 92245073001, 92245073002, 92245073003, 92245073004, 92245073005, 92245073006, 92245073007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	330	04/21/15 17:18	
2-Methylnaphthalene	ug/kg	ND	330	04/21/15 17:18	
Acenaphthene	ug/kg	ND	330	04/21/15 17:18	
Acenaphthylene	ug/kg	ND	330	04/21/15 17:18	
Anthracene	ug/kg	ND	330	04/21/15 17:18	
Benzo(a)anthracene	ug/kg	ND	330	04/21/15 17:18	
Benzo(a)pyrene	ug/kg	ND	330	04/21/15 17:18	
Benzo(b)fluoranthene	ug/kg	ND	330	04/21/15 17:18	
Benzo(g,h,i)perylene	ug/kg	ND	330	04/21/15 17:18	
Benzo(k)fluoranthene	ug/kg	ND	330	04/21/15 17:18	
Chrysene	ug/kg	ND	330	04/21/15 17:18	
Dibenz(a,h)anthracene	ug/kg	ND	330	04/21/15 17:18	
Fluoranthene	ug/kg	ND	330	04/21/15 17:18	
Fluorene	ug/kg	ND	330	04/21/15 17:18	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	04/21/15 17:18	
Naphthalene	ug/kg	ND	330	04/21/15 17:18	
Phenanthrene	ug/kg	ND	330	04/21/15 17:18	
Pyrene	ug/kg	ND	330	04/21/15 17:18	
2-Fluorobiphenyl (S)	%	43	30-110	04/21/15 17:18	
Nitrobenzene-d5 (S)	%	47	23-110	04/21/15 17:18	
Terphenyl-d14 (S)	%	79	28-110	04/21/15 17:18	

LABORATORY CONTROL SAMPLE & LCSD: 1439578

1439579

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/kg	1670	912	944	55	57	40-120	3	30	
2-Methylnaphthalene	ug/kg	1670	826	830	50	50	26-120	0	30	
Acenaphthene	ug/kg	1670	923	957	55	57	46-120	4	30	
Acenaphthylene	ug/kg	1670	936	963	56	58	46-120	3	30	
Anthracene	ug/kg	1670	1290	1290	77	78	63-120	0	30	
Benzo(a)anthracene	ug/kg	1670	1220	1240	73	74	61-120	2	30	
Benzo(a)pyrene	ug/kg	1670	1250	1270	75	76	59-120	2	30	
Benzo(b)fluoranthene	ug/kg	1670	1210	1280	72	77	55-120	6	30	
Benzo(g,h,i)perylene	ug/kg	1670	1110	1200	66	72	57-120	8	30	
Benzo(k)fluoranthene	ug/kg	1670	1180	1210	71	73	56-120	3	30	
Chrysene	ug/kg	1670	1220	1220	73	73	64-120	1	30	
Dibenz(a,h)anthracene	ug/kg	1670	1150	1250	69	75	56-120	8	30	
Fluoranthene	ug/kg	1670	1390	1370	83	82	61-120	1	30	
Fluorene	ug/kg	1670	1190	1150	72	69	51-120	3	30	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1150	1230	69	74	58-120	7	30	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

LABORATORY CONTROL SAMPLE & LCSD: 1439578		1439579									
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
Naphthalene	ug/kg	1670	923	949	55	57	38-120	3	30		
Phenanthrene	ug/kg	1670	1290	1300	77	78	62-120	1	30		
Pyrene	ug/kg	1670	1180	1200	71	72	63-120	2	30		
2-Fluorobiphenyl (S)	%				48	50	30-110				
Nitrobenzene-d5 (S)	%				55	55	23-110				
Terphenyl-d14 (S)	%				79	81	28-110				

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

QC Batch: PMST/7723 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92245073001, 92245073002, 92245073003, 92245073004

SAMPLE DUPLICATE: 1433747

Parameter	Units	92245020001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.3	17.7	8	25	

SAMPLE DUPLICATE: 1433748

Parameter	Units	92245040009 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.3	12.7	4	25	

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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

QC Batch:	PMST/7733	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	92245073005, 92245073006, 92245073007		

SAMPLE DUPLICATE: 1434951

Parameter	Units	92245076001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	24.8	23.4	6	25	

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QUALIFIERS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether, Styrene, and Vinyl chloride.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-A Pace Analytical Services - Asheville

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

1g	Reanalysis conducted in excess of EPA method holding time. Results for this sample confirm original analysis performed in hold time.
2g	The internal standard response is below criteria. No hits associated with this internal standard. Results unaffected by high bias.
C9	Common Laboratory Contaminant.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
IO	The internal standard response was outside the laboratory acceptance limits confirmed by reanalysis. The results reported are from the most QC compliant analysis.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
P2	Re-extraction or re-analysis could not be performed due to insufficient sample amount.
R1	RPD value was outside control limits.
S0	Surrogate recovery outside laboratory control limits.

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QUALIFIERS

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

ANALYTE QUALIFIERS

- S2 Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).
- S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
- S4 Surrogate recovery not evaluated against control limits due to sample dilution.
- S5 Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92245073001	GSS-603-800-1-1	EPA 3546	OEXT/34293	EPA 8015 Modified	GCSV/20967
92245073002	GSS-603-800-1-2	EPA 3546	OEXT/34293	EPA 8015 Modified	GCSV/20967
92245073003	GSS-603-800-3-1	EPA 3546	OEXT/34293	EPA 8015 Modified	GCSV/20967
92245073004	GSS-603-800-3-2	EPA 3546	OEXT/34293	EPA 8015 Modified	GCSV/20967
92245073005	GSS-603-800-2-1	EPA 3546	OEXT/34293	EPA 8015 Modified	GCSV/20967
92245073006	GSS-603-800-2-2	EPA 3546	OEXT/34293	EPA 8015 Modified	GCSV/20967
92245073007	GTW-605-802-7-1	EPA 3546	OEXT/34293	EPA 8015 Modified	GCSV/20967
92245073001	GSS-603-800-1-1	EPA 3546	OEXT/34306	EPA 8015 Modified	GCSV/20976
92245073002	GSS-603-800-1-2	EPA 3546	OEXT/34306	EPA 8015 Modified	GCSV/20976
92245073003	GSS-603-800-3-1	EPA 3546	OEXT/34306	EPA 8015 Modified	GCSV/20976
92245073004	GSS-603-800-3-2	EPA 3546	OEXT/34306	EPA 8015 Modified	GCSV/20976
92245073005	GSS-603-800-2-1	EPA 3546	OEXT/34306	EPA 8015 Modified	GCSV/20976
92245073006	GSS-603-800-2-2	EPA 3546	OEXT/34306	EPA 8015 Modified	GCSV/20976
92245073007	GTW-605-802-7-1	EPA 3546	OEXT/34306	EPA 8015 Modified	GCSV/20976
92245073009	GTW-605-802-9-2	EPA 3510	OEXT/34368	EPA 8015 Modified	GCSV/20998
92245073009	GTW-605-802-9-2	EPA 3510	OEXT/34367	EPA 8015 Modified	GCSV/20999
92245073001	GSS-603-800-1-1	EPA 3546	OEXT/34330	EPA 8082	GCSV/20988
92245073002	GSS-603-800-1-2	EPA 3546	OEXT/34330	EPA 8082	GCSV/20988
92245073003	GSS-603-800-3-1	EPA 3546	OEXT/34330	EPA 8082	GCSV/20988
92245073004	GSS-603-800-3-2	EPA 3546	OEXT/34330	EPA 8082	GCSV/20988
92245073005	GSS-603-800-2-1	EPA 3546	OEXT/34330	EPA 8082	GCSV/20988
92245073006	GSS-603-800-2-2	EPA 3546	OEXT/34330	EPA 8082	GCSV/20988
92245073007	GTW-605-802-7-1	EPA 3546	OEXT/34330	EPA 8082	GCSV/20988
92245073001	GSS-603-800-1-1	EPA 5035A/5030B	GCV/9220	EPA 8015 Modified	GCV/9221
92245073002	GSS-603-800-1-2	EPA 5035A/5030B	GCV/9220	EPA 8015 Modified	GCV/9221
92245073003	GSS-603-800-3-1	EPA 5035A/5030B	GCV/9220	EPA 8015 Modified	GCV/9221
92245073004	GSS-603-800-3-2	EPA 5035A/5030B	GCV/9220	EPA 8015 Modified	GCV/9221
92245073005	GSS-603-800-2-1	EPA 5035A/5030B	GCV/9220	EPA 8015 Modified	GCV/9221
92245073006	GSS-603-800-2-2	EPA 5035A/5030B	GCV/9220	EPA 8015 Modified	GCV/9221
92245073007	GTW-605-802-7-1	EPA 5035A/5030B	GCV/9220	EPA 8015 Modified	GCV/9221
92245073008	GTW-605-802-6-2	EPA 5030/8015 Mod.	GCV/9206		
92245073009	GTW-605-802-9-2	EPA 5030/8015 Mod.	GCV/9206		
92245073001	GSS-603-800-1-1	EPA 3050	MPRP/18275	EPA 6010	ICP/16408
92245073002	GSS-603-800-1-2	EPA 3050	MPRP/18275	EPA 6010	ICP/16408
92245073003	GSS-603-800-3-1	EPA 3050	MPRP/18275	EPA 6010	ICP/16408
92245073004	GSS-603-800-3-2	EPA 3050	MPRP/18275	EPA 6010	ICP/16408
92245073005	GSS-603-800-2-1	EPA 3050	MPRP/18291	EPA 6010	ICP/16424
92245073006	GSS-603-800-2-2	EPA 3050	MPRP/18275	EPA 6010	ICP/16408
92245073007	GTW-605-802-7-1	EPA 3050	MPRP/18275	EPA 6010	ICP/16408
92245073009	GTW-605-802-9-2	EPA 3010	MPRP/18269	EPA 6010	ICP/16407
92245073009	GTW-605-802-9-2	EPA 7470	MERP/7744	EPA 7470	MERC/7427
92245073001	GSS-603-800-1-1	EPA 7471	MERP/7746	EPA 7471	MERC/7430
92245073002	GSS-603-800-1-2	EPA 7471	MERP/7746	EPA 7471	MERC/7430

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buzzard Point 40223-002 Rev1

Pace Project No.: 92245073

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92245073003	GSS-603-800-3-1	EPA 7471	MERP/7746	EPA 7471	MERC/7430
92245073004	GSS-603-800-3-2	EPA 7471	MERP/7746	EPA 7471	MERC/7430
92245073005	GSS-603-800-2-1	EPA 7471	MERP/7748	EPA 7471	MERC/7432
92245073006	GSS-603-800-2-2	EPA 7471	MERP/7746	EPA 7471	MERC/7430
92245073007	GTW-605-802-7-1	EPA 7471	MERP/7746	EPA 7471	MERC/7430
92245073001	GSS-603-800-1-1	EPA 3546	OEXT/34440	EPA 8270	MSSV/10568
92245073002	GSS-603-800-1-2	EPA 3546	OEXT/34440	EPA 8270	MSSV/10568
92245073003	GSS-603-800-3-1	EPA 3546	OEXT/34440	EPA 8270	MSSV/10568
92245073004	GSS-603-800-3-2	EPA 3546	OEXT/34440	EPA 8270	MSSV/10568
92245073005	GSS-603-800-2-1	EPA 3546	OEXT/34440	EPA 8270	MSSV/10568
92245073006	GSS-603-800-2-2	EPA 3546	OEXT/34440	EPA 8270	MSSV/10568
92245073007	GTW-605-802-7-1	EPA 3546	OEXT/34440	EPA 8270	MSSV/10568
92245073009	GTW-605-802-9-2	EPA 3510	OEXT/34347	EPA 8270	MSSV/10559
92245073008	GTW-605-802-6-2	EPA 8260	MSV/31228		
92245073009	GTW-605-802-9-2	EPA 8260	MSV/31228		
92245073001	GSS-603-800-1-1	EPA 8260	MSV/31202		
92245073002	GSS-603-800-1-2	EPA 8260	MSV/31187		
92245073003	GSS-603-800-3-1	EPA 8260	MSV/31202		
92245073004	GSS-603-800-3-2	EPA 8260	MSV/31202		
92245073005	GSS-603-800-2-1	EPA 8260	MSV/31187		
92245073006	GSS-603-800-2-2	EPA 8260	MSV/31187		
92245073007	GTW-605-802-7-1	EPA 8260	MSV/31202		
92245073001	GSS-603-800-1-1	ASTM D2974-87	PMST/7723		
92245073002	GSS-603-800-1-2	ASTM D2974-87	PMST/7723		
92245073003	GSS-603-800-3-1	ASTM D2974-87	PMST/7723		
92245073004	GSS-603-800-3-2	ASTM D2974-87	PMST/7723		
92245073005	GSS-603-800-2-1	ASTM D2974-87	PMST/7733		
92245073006	GSS-603-800-2-2	ASTM D2974-87	PMST/7733		
92245073007	GTW-605-802-7-1	ASTM D2974-87	PMST/7733		

REPORT OF LABORATORY ANALYSIS

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Document Name: **Sample Condition Upon Receipt (SCUR)**

Document Revised: September 22, 2014

Document Number: **F-CHR-CS-003-rev.15**

Page 1 of 2

Issuing Authority: **Pace Huntersville Quality Office**

Client Name: Haley + Aldrich

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble V ip Bubble Bags None Other _____

Thermometer Used: IR Gun T1401 Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Temp Correction Factor T1401 No Correction

Corrected Cooler Temp.: 5.1 °C

Biological Tissue is Frozen: Yes No N/A

Date and Initials of person examining contents: AG 9/11/15

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8. <u>NO GRO on #7</u>
Correct Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>AD: 9/11/15</u>
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review:

lll

Date:

9/11/15

SRF Review:

AD

Date:

09/13/15

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

WO#: 92245073



92245073

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	Section D Requested Analysis Filtered (Y/N)
Company: Haley + Aldrich	Report To: Dana Kennard	Attention: Accounts Payable	
Address: 7926 Jones Branch Dr	Copy To: Dana Kennard	Company Name: Haley + Aldrich	
McLean VA	d.kennard@haleyaldrich.com	Address: 70 Blanchard Rd	
Email To: alschoenw@haleyaldrich.com	Purchase Order No.: 217	Pace Quote Reference: Burning	
Phone: 703-336-2244	Project Name: Buzzard Point	Pace Project Manager: Nicole Benjamin	
Requested Due Date: TAT: Std	Project Number: 41223-002	Pace Profile #: 7362-13	
		Site Location: Wash DC	
		STATE: DC	
		REGULATORY AGENCY: NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input type="checkbox"/>	

ITEM #	Section D Required Client Information	Section E Matrix Codes MATRIX / CODE	Section F Matrix Codes DW, WT, WW, P, SL, OL, WP, AR, TS, OT	Section G Matrix Codes SAMPLE TYPE (G=GRAB C=COMP)	Section H COLLECTED		Section I SAMPLE TEMP AT COLLECTION	Section J # OF CONTAINERS	Section K Preservatives	Section L Analysis Test	Section M Requested Analysis Filtered (Y/N)	Section N Residual Chlorine (Y/N)	Section O Pace Project No./ Lab I.D.
					COMPOSITE START	COMPOSITE END/GRAB							
1	GTW-603-800-1-1	DW	DW	G	DATE: 4/10	TIME: 8:00		11	Unpreserved		X		001
2	GTW-603-800-1-2	WT	WT	G	DATE: 4/10	TIME: 8:15		11	H ₂ SO ₄		X		002
3	GTW-603-800-3-1	WW	WW	G	DATE: 4/10	TIME: 8:45		11	HCl		X		003
4	GTW-603-800-3-2	P	P	G	DATE: 4/10	TIME: 9:00		11	HNO ₃		X		004
5	GTW-603-800-2-1	SL	SL	G	DATE: 4/10	TIME: 9:15		11	H ₂ SO ₄		X		005
6	GTW-603-800-2-2	OL	OL	G	DATE: 4/10	TIME: 9:30		11	NaOH		X		006
7	GTW-603-802-7-1	WP	WP	G	DATE: 4/10	TIME: 9:45		11	Metanol		X		007
8	GTW-603-802-7-2	AR	AR	G	DATE: 4/10	TIME: 12:40		11	Other (see H ₂ O)		X		008
9	GTW-603-802-9	TS	TS	G	DATE: 4/10	TIME: 12:55		11	Other (see H ₂ O)		X		009
10		OT	OT										
11													
12													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION		ACCEPTED BY / AFFILIATION		SAMPLE CONDITIONS	
	DATE	TIME	DATE	TIME	Temp in °C	Received on Ice (Y/N)
4oz jars 3-2 and 1qt, and water samples in 2mil cooler	9/10	4:00	9/10	4:10	5.1	✓

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY):

Page 90 of 90

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

May 29, 2015

Dana Kennard
Haley & Aldrich, Inc

RE: Project: Buzzard Point, GW Rev3
Pace Project No.: 92246759

Dear Dana Kennard:

Enclosed are the analytical results for sample(s) received by the laboratory on April 23, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

This report was revised to alter sample IDs, per client request, it was also revised to report down to the MDL for all parameters.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Nicole Benjamin
nicole.benjamin@pacelabs.com
Project Manager

Enclosures

cc: Karin Holland
Pam Minor



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

Asheville Certification IDs

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92246759001	GSS-605-802-10-1	Solid	04/21/15 12:36	04/23/15 09:40
92246759002	GSS-605-802-12-1	Solid	04/22/15 16:00	04/23/15 09:40
92246759003	DP-001-S0-100-01	Solid	04/22/15 13:30	04/23/15 09:40
92246759004	DP-002-S0-100-01	Solid	04/22/15 12:57	04/23/15 09:40
92246759005	DP-002-S0-100-01	Solid	04/22/15 12:57	04/23/15 09:40
92246759006	DP-002-S0-100-01	Solid	04/22/15 12:57	04/23/15 09:40

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92246759001	GSS-605-802-10-1	EPA 8015 Modified	CMI	2	PASI-C
		EPA 8082	SWB	8	PASI-C
		EPA 8015 Modified	BFW	2	PASI-C
		EPA 6010	JMW	22	PASI-A
		EPA 7471	HVK	1	PASI-A
		ASTM D2974-87	EJK	1	PASI-C
92246759002	GSS-605-802-12-1	EPA 8015 Modified	CMI	2	PASI-C
		EPA 8082	SWB	8	PASI-C
		EPA 8015 Modified	BFW	2	PASI-C
		EPA 6010	JMW	22	PASI-A
		EPA 7471	HVK	1	PASI-A
		ASTM D2974-87	EJK	1	PASI-C
92246759003	DP-001-S0-100-01	EPA 8015 Modified	CMI	2	PASI-C
		EPA 8015 Modified	BFW	2	PASI-C
		EPA 6010	JMW	22	PASI-A
		EPA 7471	HVK	1	PASI-A
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	EJK	1	PASI-C
92246759004	DP-002-S0-100-01	EPA 8015 Modified	CMI	2	PASI-C
		EPA 8015 Modified	BFW	2	PASI-C
		ASTM D2974-87	EJK	1	PASI-C
92246759005	DP-002-S0-100-01	EPA 8270	BPJ	21	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	SLJ	1	PASI-C
92246759006	DP-002-S0-100-01	EPA 6010	JMW	22	PASI-A
		EPA 7471	HVK	1	PASI-A
		ASTM D2974-87	EJK	1	PASI-C

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92246759001	GSS-605-802-10-1					
EPA 8015 Modified	Diesel Range Organics(C10-C28)	782	mg/kg	25.2	04/30/15 10:07	
EPA 8082	PCB-1242 (Aroclor 1242)	2360	ug/kg	208	04/30/15 05:19	
EPA 8082	PCB-1248 (Aroclor 1248)	2020	ug/kg	208	04/30/15 05:19	
EPA 6010	Aluminum	8420	mg/kg	159	04/29/15 21:28	
EPA 6010	Antimony	16.9	mg/kg	0.40	04/29/15 15:24	
EPA 6010	Arsenic	7.6	mg/kg	0.80	04/29/15 15:24	
EPA 6010	Barium	159	mg/kg	0.40	04/29/15 15:24	
EPA 6010	Beryllium	0.083	mg/kg	0.080	04/29/15 15:24	
EPA 6010	Cadmium	4.8	mg/kg	0.080	04/29/15 15:24	
EPA 6010	Calcium	72600	mg/kg	159	04/29/15 21:28	
EPA 6010	Chromium	47.7	mg/kg	0.40	04/29/15 15:24	
EPA 6010	Cobalt	11.2	mg/kg	0.40	04/29/15 15:24	
EPA 6010	Copper	662	mg/kg	0.40	04/29/15 15:24	
EPA 6010	Iron	37100	mg/kg	159	04/29/15 21:28	
EPA 6010	Lead	1740	mg/kg	8.0	04/29/15 21:28	
EPA 6010	Magnesium	4460	mg/kg	8.0	04/29/15 15:24	
EPA 6010	Manganese	348	mg/kg	0.40	04/29/15 15:24	
EPA 6010	Nickel	279	mg/kg	0.40	04/29/15 15:24	
EPA 6010	Potassium	1310	mg/kg	399	04/29/15 15:24	
EPA 6010	Silver	1.6	mg/kg	0.40	04/29/15 15:24	
EPA 6010	Sodium	585	mg/kg	399	04/29/15 15:24	
EPA 6010	Vanadium	890	mg/kg	8.0	04/29/15 21:28	
EPA 6010	Zinc	1560	mg/kg	15.9	04/29/15 21:28	
EPA 7471	Mercury	0.40	mg/kg	0.088	04/28/15 14:15	M6
ASTM D2974-87	Percent Moisture	20.6	%	0.10	04/27/15 14:40	
92246759002	GSS-605-802-12-1					
EPA 8015 Modified	Diesel Range Organics(C10-C28)	173	mg/kg	6.2	04/30/15 00:34	
EPA 8082	PCB-1260 (Aroclor 1260)	27.0J	ug/kg	40.6	04/30/15 05:40	
EPA 6010	Aluminum	6530	mg/kg	11.0	04/29/15 15:27	
EPA 6010	Antimony	2.7	mg/kg	0.55	04/29/15 15:27	
EPA 6010	Arsenic	9.7	mg/kg	1.1	04/29/15 15:27	
EPA 6010	Barium	139	mg/kg	0.55	04/29/15 15:27	
EPA 6010	Beryllium	0.42	mg/kg	0.11	04/29/15 15:27	
EPA 6010	Cadmium	0.23	mg/kg	0.11	04/29/15 15:27	
EPA 6010	Calcium	31500	mg/kg	220	04/29/15 21:31	
EPA 6010	Chromium	17.5	mg/kg	0.55	04/29/15 15:27	
EPA 6010	Cobalt	5.8	mg/kg	0.55	04/29/15 15:27	
EPA 6010	Copper	55.1	mg/kg	0.55	04/29/15 15:27	
EPA 6010	Iron	15600	mg/kg	220	04/29/15 21:31	
EPA 6010	Lead	502	mg/kg	0.55	04/29/15 15:27	
EPA 6010	Magnesium	1950	mg/kg	11.0	04/29/15 15:27	
EPA 6010	Manganese	319	mg/kg	0.55	04/29/15 15:27	
EPA 6010	Nickel	8.8	mg/kg	0.55	04/29/15 15:27	
EPA 6010	Potassium	812	mg/kg	549	04/29/15 15:27	
EPA 6010	Silver	0.70	mg/kg	0.55	04/29/15 15:27	
EPA 6010	Vanadium	20.8	mg/kg	0.55	04/29/15 15:27	
EPA 6010	Zinc	212	mg/kg	1.1	04/29/15 15:27	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92246759002	GSS-605-802-12-1					
EPA 7471	Mercury	0.41	mg/kg	0.077	04/29/15 13:58	
ASTM D2974-87	Percent Moisture	18.7	%	0.10	04/27/15 14:40	
92246759003	DP-001-S0-100-01					
EPA 8015 Modified	Diesel Range Organics(C10-C28)	240	mg/kg	5.8	04/30/15 00:58	
EPA 6010	Aluminum	4380	mg/kg	7.0	04/29/15 15:30	
EPA 6010	Antimony	7.8	mg/kg	0.35	04/29/15 15:30	
EPA 6010	Arsenic	6.5	mg/kg	0.70	04/29/15 15:30	
EPA 6010	Barium	242	mg/kg	0.35	04/29/15 15:30	
EPA 6010	Beryllium	0.22	mg/kg	0.070	04/29/15 15:30	
EPA 6010	Cadmium	0.69	mg/kg	0.070	04/29/15 15:30	
EPA 6010	Calcium	48600	mg/kg	141	04/29/15 21:34	
EPA 6010	Chromium	33.9	mg/kg	0.35	04/29/15 15:30	
EPA 6010	Cobalt	7.7	mg/kg	0.35	04/29/15 15:30	
EPA 6010	Copper	373	mg/kg	0.35	04/29/15 15:30	
EPA 6010	Iron	27300	mg/kg	141	04/29/15 21:34	
EPA 6010	Lead	1450	mg/kg	7.0	04/29/15 21:34	
EPA 6010	Magnesium	2300	mg/kg	7.0	04/29/15 15:30	
EPA 6010	Manganese	323	mg/kg	0.35	04/29/15 15:30	
EPA 6010	Nickel	119	mg/kg	0.35	04/29/15 15:30	
EPA 6010	Potassium	525	mg/kg	352	04/29/15 15:30	
EPA 6010	Silver	0.45	mg/kg	0.35	04/29/15 15:30	
EPA 6010	Sodium	231J	mg/kg	352	04/29/15 15:30	
EPA 6010	Vanadium	18.1	mg/kg	0.35	04/29/15 15:30	
EPA 6010	Zinc	470	mg/kg	0.70	04/29/15 15:30	
EPA 7471	Mercury	0.60	mg/kg	0.080	04/28/15 14:22	
EPA 8260	Acetone	66.3J	ug/kg	85.3	04/27/15 14:59	
EPA 8260	Methylene Chloride	3.7J	ug/kg	17.1	04/27/15 14:59	
ASTM D2974-87	Percent Moisture	14.3	%	0.10	04/27/15 14:40	
92246759004	DP-002-S0-100-01					
EPA 8015 Modified	Diesel Range Organics(C10-C28)	356	mg/kg	6.0	04/30/15 00:58	
ASTM D2974-87	Percent Moisture	16.0	%	0.10	04/26/15 16:08	
92246759005	DP-002-S0-100-01					
EPA 8270	Acenaphthene	125J	ug/kg	388	05/01/15 11:15	
EPA 8270	Acenaphthylene	104J	ug/kg	388	05/01/15 11:15	
EPA 8270	Anthracene	463	ug/kg	388	05/01/15 11:15	
EPA 8270	Benzo(a)anthracene	1300	ug/kg	388	05/01/15 11:15	
EPA 8270	Benzo(a)pyrene	1240	ug/kg	388	05/01/15 11:15	
EPA 8270	Benzo(b)fluoranthene	1480	ug/kg	388	05/01/15 11:15	
EPA 8270	Benzo(g,h,i)perylene	833	ug/kg	388	05/01/15 11:15	
EPA 8270	Benzo(k)fluoranthene	600	ug/kg	388	05/01/15 11:15	
EPA 8270	Chrysene	1150	ug/kg	388	05/01/15 11:15	
EPA 8270	Fluoranthene	3010	ug/kg	388	05/01/15 11:15	
EPA 8270	Fluorene	127J	ug/kg	388	05/01/15 11:15	
EPA 8270	Indeno(1,2,3-cd)pyrene	718	ug/kg	388	05/01/15 11:15	
EPA 8270	Naphthalene	118J	ug/kg	388	05/01/15 11:15	
EPA 8270	Phenanthrene	1780	ug/kg	388	05/01/15 11:15	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92246759005	DP-002-S0-100-01					
EPA 8270	Pyrene	2010	ug/kg	388	05/01/15 11:15	
EPA 8260	Acetone	53.2J	ug/kg	117	04/24/15 19:58	
EPA 8260	Methylene Chloride	14.8J	ug/kg	23.5	04/24/15 19:58	
EPA 8260	Naphthalene	1.7J	ug/kg	5.9	04/24/15 19:58	
ASTM D2974-87	Percent Moisture	14.9	%	0.10	04/30/15 15:42	
92246759006	DP-002-S0-100-01					
EPA 6010	Aluminum	3990	mg/kg	9.5	04/29/15 15:33	
EPA 6010	Antimony	14.1	mg/kg	0.48	04/29/15 15:33	
EPA 6010	Arsenic	7.5	mg/kg	0.95	04/29/15 15:33	
EPA 6010	Barium	243	mg/kg	0.48	04/29/15 15:33	
EPA 6010	Beryllium	0.23	mg/kg	0.095	04/29/15 15:33	
EPA 6010	Cadmium	0.23	mg/kg	0.095	04/29/15 15:33	
EPA 6010	Calcium	34000	mg/kg	190	04/29/15 21:37	
EPA 6010	Chromium	29.9	mg/kg	0.48	04/29/15 15:33	
EPA 6010	Cobalt	7.2	mg/kg	0.48	04/29/15 15:33	
EPA 6010	Copper	329	mg/kg	0.48	04/29/15 15:33	
EPA 6010	Iron	26500	mg/kg	190	04/29/15 21:37	
EPA 6010	Lead	1690	mg/kg	9.5	04/29/15 21:37	
EPA 6010	Magnesium	1740	mg/kg	9.5	04/29/15 15:33	
EPA 6010	Manganese	320	mg/kg	0.48	04/29/15 15:33	
EPA 6010	Nickel	13.0	mg/kg	0.48	04/29/15 15:33	
EPA 6010	Potassium	535	mg/kg	476	04/29/15 15:33	
EPA 6010	Silver	0.44J	mg/kg	0.48	04/29/15 15:33	
EPA 6010	Vanadium	19.0	mg/kg	0.48	04/29/15 15:33	
EPA 6010	Zinc	418	mg/kg	0.95	04/29/15 15:33	
EPA 7471	Mercury	1.6	mg/kg	0.082	04/28/15 14:25	
ASTM D2974-87	Percent Moisture	16.7	%	0.10	05/01/15 15:31	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

Sample: GSS-605-802-10-1 **Lab ID: 92246759001** Collected: 04/21/15 12:36 Received: 04/23/15 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546									
Diesel Range Organics(C10-C28)	782	mg/kg	25.2	22.7	4	04/29/15 10:05	04/30/15 10:07		
Surrogates									
n-Pentacosane (S)	214	%	41-119		4	04/29/15 10:05	04/30/15 10:07	629-99-2	S5
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3546									
PCB-1016 (Aroclor 1016)	ND	ug/kg	208	94.4	5	04/27/15 09:21	04/30/15 05:19	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	208	94.4	5	04/27/15 09:21	04/30/15 05:19	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	208	94.4	5	04/27/15 09:21	04/30/15 05:19	11141-16-5	
PCB-1242 (Aroclor 1242)	2360	ug/kg	208	94.4	5	04/27/15 09:21	04/30/15 05:19	53469-21-9	
PCB-1248 (Aroclor 1248)	2020	ug/kg	208	94.4	5	04/27/15 09:21	04/30/15 05:19	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	208	94.4	5	04/27/15 09:21	04/30/15 05:19	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	208	94.4	5	04/27/15 09:21	04/30/15 05:19	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	0	%	21-132		5	04/27/15 09:21	04/30/15 05:19	2051-24-3	S4
Gasoline Range Organics									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B									
Gas Range Organics (C6-C10)	ND	mg/kg	7.6	7.6	1	04/28/15 16:43	05/01/15 09:28		
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-167		1	04/28/15 16:43	05/01/15 09:28	460-00-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Aluminum	8420	mg/kg	159	79.7	20	04/28/15 16:00	04/29/15 21:28	7429-90-5	
Antimony	16.9	mg/kg	0.40	0.31	1	04/28/15 16:00	04/29/15 15:24	7440-36-0	
Arsenic	7.6	mg/kg	0.80	0.40	1	04/28/15 16:00	04/29/15 15:24	7440-38-2	
Barium	159	mg/kg	0.40	0.20	1	04/28/15 16:00	04/29/15 15:24	7440-39-3	
Beryllium	0.083	mg/kg	0.080	0.040	1	04/28/15 16:00	04/29/15 15:24	7440-41-7	
Cadmium	4.8	mg/kg	0.080	0.040	1	04/28/15 16:00	04/29/15 15:24	7440-43-9	
Calcium	72600	mg/kg	159	79.7	20	04/28/15 16:00	04/29/15 21:28	7440-70-2	
Chromium	47.7	mg/kg	0.40	0.20	1	04/28/15 16:00	04/29/15 15:24	7440-47-3	
Cobalt	11.2	mg/kg	0.40	0.20	1	04/28/15 16:00	04/29/15 15:24	7440-48-4	
Copper	662	mg/kg	0.40	0.20	1	04/28/15 16:00	04/29/15 15:24	7440-50-8	
Iron	37100	mg/kg	159	79.7	20	04/28/15 16:00	04/29/15 21:28	7439-89-6	
Lead	1740	mg/kg	8.0	4.0	20	04/28/15 16:00	04/29/15 21:28	7439-92-1	
Magnesium	4460	mg/kg	8.0	0.20	1	04/28/15 16:00	04/29/15 15:24	7439-95-4	
Manganese	348	mg/kg	0.40	0.20	1	04/28/15 16:00	04/29/15 15:24	7439-96-5	
Nickel	279	mg/kg	0.40	0.20	1	04/28/15 16:00	04/29/15 15:24	7440-02-0	
Potassium	1310	mg/kg	399	399	1	04/28/15 16:00	04/29/15 15:24	7440-09-7	
Selenium	ND	mg/kg	0.80	0.40	1	04/28/15 16:00	04/29/15 15:24	7782-49-2	
Silver	1.6	mg/kg	0.40	0.20	1	04/28/15 16:00	04/29/15 15:24	7440-22-4	
Sodium	585	mg/kg	399	199	1	04/28/15 16:00	04/29/15 15:24	7440-23-5	
Thallium	ND	mg/kg	0.80	0.40	1	04/28/15 16:00	04/29/15 15:24	7440-28-0	
Vanadium	890	mg/kg	8.0	4.0	20	04/28/15 16:00	04/29/15 21:28	7440-62-2	
Zinc	1560	mg/kg	15.9	8.0	20	04/28/15 16:00	04/29/15 21:28	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

Sample: GSS-605-802-10-1 **Lab ID: 92246759001** Collected: 04/21/15 12:36 Received: 04/23/15 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	0.40	mg/kg	0.088	0.0018	20	04/25/15 16:35	04/28/15 14:15	7439-97-6	M6
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	20.6	%	0.10	0.10	1		04/27/15 14:40		

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ANALYTICAL RESULTS

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

Sample: GSS-605-802-12-1 **Lab ID: 92246759002** Collected: 04/22/15 16:00 Received: 04/23/15 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel									
Analytical Method: EPA 8015 Modified					Preparation Method: EPA 3546				
Diesel Range Organics(C10-C28)	173	mg/kg	6.2	5.5	1	04/29/15 10:05	04/30/15 00:34		
Surrogates									
n-Pentacosane (S)	122	%	41-119		1	04/29/15 10:05	04/30/15 00:34	629-99-2	S5
8082 GCS PCB									
Analytical Method: EPA 8082					Preparation Method: EPA 3546				
PCB-1016 (Aroclor 1016)	ND	ug/kg	40.6	18.5	1	04/27/15 09:21	04/30/15 05:40	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	40.6	18.5	1	04/27/15 09:21	04/30/15 05:40	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	40.6	18.5	1	04/27/15 09:21	04/30/15 05:40	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	40.6	18.5	1	04/27/15 09:21	04/30/15 05:40	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	40.6	18.5	1	04/27/15 09:21	04/30/15 05:40	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	40.6	18.5	1	04/27/15 09:21	04/30/15 05:40	11097-69-1	
PCB-1260 (Aroclor 1260)	27.0J	ug/kg	40.6	18.5	1	04/27/15 09:21	04/30/15 05:40	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	92	%	21-132		1	04/27/15 09:21	04/30/15 05:40	2051-24-3	
Gasoline Range Organics									
Analytical Method: EPA 8015 Modified					Preparation Method: EPA 5035A/5030B				
Gas Range Organics (C6-C10)	ND	mg/kg	7.3	7.3	1	04/28/15 16:43	05/01/15 09:55		
Surrogates									
4-Bromofluorobenzene (S)	110	%	70-167		1	04/28/15 16:43	05/01/15 09:55	460-00-4	
6010 MET ICP									
Analytical Method: EPA 6010					Preparation Method: EPA 3050				
Aluminum	6530	mg/kg	11.0	5.5	1	04/28/15 16:00	04/29/15 15:27	7429-90-5	
Antimony	2.7	mg/kg	0.55	0.43	1	04/28/15 16:00	04/29/15 15:27	7440-36-0	
Arsenic	9.7	mg/kg	1.1	0.55	1	04/28/15 16:00	04/29/15 15:27	7440-38-2	
Barium	139	mg/kg	0.55	0.27	1	04/28/15 16:00	04/29/15 15:27	7440-39-3	
Beryllium	0.42	mg/kg	0.11	0.055	1	04/28/15 16:00	04/29/15 15:27	7440-41-7	
Cadmium	0.23	mg/kg	0.11	0.055	1	04/28/15 16:00	04/29/15 15:27	7440-43-9	
Calcium	31500	mg/kg	220	110	20	04/28/15 16:00	04/29/15 21:31	7440-70-2	
Chromium	17.5	mg/kg	0.55	0.27	1	04/28/15 16:00	04/29/15 15:27	7440-47-3	
Cobalt	5.8	mg/kg	0.55	0.27	1	04/28/15 16:00	04/29/15 15:27	7440-48-4	
Copper	55.1	mg/kg	0.55	0.27	1	04/28/15 16:00	04/29/15 15:27	7440-50-8	
Iron	15600	mg/kg	220	110	20	04/28/15 16:00	04/29/15 21:31	7439-89-6	
Lead	502	mg/kg	0.55	0.27	1	04/28/15 16:00	04/29/15 15:27	7439-92-1	
Magnesium	1950	mg/kg	11.0	0.27	1	04/28/15 16:00	04/29/15 15:27	7439-95-4	
Manganese	319	mg/kg	0.55	0.27	1	04/28/15 16:00	04/29/15 15:27	7439-96-5	
Nickel	8.8	mg/kg	0.55	0.27	1	04/28/15 16:00	04/29/15 15:27	7440-02-0	
Potassium	812	mg/kg	549	549	1	04/28/15 16:00	04/29/15 15:27	7440-09-7	
Selenium	ND	mg/kg	1.1	0.55	1	04/28/15 16:00	04/29/15 15:27	7782-49-2	
Silver	0.70	mg/kg	0.55	0.27	1	04/28/15 16:00	04/29/15 15:27	7440-22-4	
Sodium	ND	mg/kg	549	275	1	04/28/15 16:00	04/29/15 15:27	7440-23-5	
Thallium	ND	mg/kg	1.1	0.55	1	04/28/15 16:00	04/29/15 15:27	7440-28-0	
Vanadium	20.8	mg/kg	0.55	0.27	1	04/28/15 16:00	04/29/15 15:27	7440-62-2	
Zinc	212	mg/kg	1.1	0.55	1	04/28/15 16:00	04/29/15 15:27	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

Sample: GSS-605-802-12-1 **Lab ID: 92246759002** Collected: 04/22/15 16:00 Received: 04/23/15 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	0.41	mg/kg	0.077	0.0015	20	04/29/15 11:40	04/29/15 13:58	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	18.7	%	0.10	0.10	1		04/27/15 14:40		

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ANALYTICAL RESULTS

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

Sample: DP-001-S0-100-01 **Lab ID: 92246759003** Collected: 04/22/15 13:30 Received: 04/23/15 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546									
Diesel Range Organics(C10-C28)	240	mg/kg	5.8	5.3	1	04/29/15 10:05	04/30/15 00:58		
Surrogates									
n-Pentacosane (S)	122	%	41-119		1	04/29/15 10:05	04/30/15 00:58	629-99-2	S5
Gasoline Range Organics Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B									
Gas Range Organics (C6-C10)	ND	mg/kg	7.0	7.0	1	04/28/15 16:43	05/04/15 13:27		
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-167		1	04/28/15 16:43	05/04/15 13:27	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Aluminum	4380	mg/kg	7.0	3.5	1	04/28/15 16:00	04/29/15 15:30	7429-90-5	
Antimony	7.8	mg/kg	0.35	0.27	1	04/28/15 16:00	04/29/15 15:30	7440-36-0	
Arsenic	6.5	mg/kg	0.70	0.35	1	04/28/15 16:00	04/29/15 15:30	7440-38-2	
Barium	242	mg/kg	0.35	0.18	1	04/28/15 16:00	04/29/15 15:30	7440-39-3	
Beryllium	0.22	mg/kg	0.070	0.035	1	04/28/15 16:00	04/29/15 15:30	7440-41-7	
Cadmium	0.69	mg/kg	0.070	0.035	1	04/28/15 16:00	04/29/15 15:30	7440-43-9	
Calcium	48600	mg/kg	141	70.3	20	04/28/15 16:00	04/29/15 21:34	7440-70-2	
Chromium	33.9	mg/kg	0.35	0.18	1	04/28/15 16:00	04/29/15 15:30	7440-47-3	
Cobalt	7.7	mg/kg	0.35	0.18	1	04/28/15 16:00	04/29/15 15:30	7440-48-4	
Copper	373	mg/kg	0.35	0.18	1	04/28/15 16:00	04/29/15 15:30	7440-50-8	
Iron	27300	mg/kg	141	70.3	20	04/28/15 16:00	04/29/15 21:34	7439-89-6	
Lead	1450	mg/kg	7.0	3.5	20	04/28/15 16:00	04/29/15 21:34	7439-92-1	
Magnesium	2300	mg/kg	7.0	0.18	1	04/28/15 16:00	04/29/15 15:30	7439-95-4	
Manganese	323	mg/kg	0.35	0.18	1	04/28/15 16:00	04/29/15 15:30	7439-96-5	
Nickel	119	mg/kg	0.35	0.18	1	04/28/15 16:00	04/29/15 15:30	7440-02-0	
Potassium	525	mg/kg	352	352	1	04/28/15 16:00	04/29/15 15:30	7440-09-7	
Selenium	ND	mg/kg	0.70	0.35	1	04/28/15 16:00	04/29/15 15:30	7782-49-2	
Silver	0.45	mg/kg	0.35	0.18	1	04/28/15 16:00	04/29/15 15:30	7440-22-4	
Sodium	231J	mg/kg	352	176	1	04/28/15 16:00	04/29/15 15:30	7440-23-5	
Thallium	ND	mg/kg	0.70	0.35	1	04/28/15 16:00	04/29/15 15:30	7440-28-0	
Vanadium	18.1	mg/kg	0.35	0.18	1	04/28/15 16:00	04/29/15 15:30	7440-62-2	
Zinc	470	mg/kg	0.70	0.35	1	04/28/15 16:00	04/29/15 15:30	7440-66-6	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.60	mg/kg	0.080	0.0016	20	04/25/15 16:35	04/28/15 14:22	7439-97-6	
8260/5035A Volatile Organics Analytical Method: EPA 8260									
Acetone	66.3J	ug/kg	85.3	8.5	1		04/27/15 14:59	67-64-1	
Benzene	ND	ug/kg	4.3	1.4	1		04/27/15 14:59	71-43-2	
Bromobenzene	ND	ug/kg	4.3	1.7	1		04/27/15 14:59	108-86-1	
Bromochloromethane	ND	ug/kg	4.3	1.5	1		04/27/15 14:59	74-97-5	
Bromodichloromethane	ND	ug/kg	4.3	1.6	1		04/27/15 14:59	75-27-4	
Bromoform	ND	ug/kg	4.3	2.0	1		04/27/15 14:59	75-25-2	
Bromomethane	ND	ug/kg	8.5	2.1	1		04/27/15 14:59	74-83-9	

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ANALYTICAL RESULTS

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

Sample: DP-001-S0-100-01 Lab ID: 92246759003 Collected: 04/22/15 13:30 Received: 04/23/15 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
2-Butanone (MEK)	ND	ug/kg	85.3	2.5	1		04/27/15 14:59	78-93-3	
n-Butylbenzene	ND	ug/kg	4.3	1.5	1		04/27/15 14:59	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.3	1.4	1		04/27/15 14:59	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.3	1.7	1		04/27/15 14:59	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.3	2.2	1		04/27/15 14:59	56-23-5	
Chlorobenzene	ND	ug/kg	4.3	1.6	1		04/27/15 14:59	108-90-7	
Chloroethane	ND	ug/kg	8.5	2.0	1		04/27/15 14:59	75-00-3	
Chloroform	ND	ug/kg	4.3	1.4	1		04/27/15 14:59	67-66-3	
Chloromethane	ND	ug/kg	8.5	2.0	1		04/27/15 14:59	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.3	1.5	1		04/27/15 14:59	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.3	1.5	1		04/27/15 14:59	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.3	3.1	1		04/27/15 14:59	96-12-8	
Dibromochloromethane	ND	ug/kg	4.3	1.5	1		04/27/15 14:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.3	1.5	1		04/27/15 14:59	106-93-4	
Dibromomethane	ND	ug/kg	4.3	2.1	1		04/27/15 14:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.3	1.6	1		04/27/15 14:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.3	1.7	1		04/27/15 14:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.3	1.5	1		04/27/15 14:59	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.5	3.1	1		04/27/15 14:59	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.3	1.3	1		04/27/15 14:59	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.3	1.9	1		04/27/15 14:59	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.3	1.5	1		04/27/15 14:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.3	1.2	1		04/27/15 14:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.3	1.6	1		04/27/15 14:59	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.3	1.5	1		04/27/15 14:59	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.3	1.6	1		04/27/15 14:59	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.3	1.5	1		04/27/15 14:59	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.3	1.3	1		04/27/15 14:59	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.3	1.5	1		04/27/15 14:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.3	1.3	1		04/27/15 14:59	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.3	1.5	1		04/27/15 14:59	108-20-3	
Ethylbenzene	ND	ug/kg	4.3	1.5	1		04/27/15 14:59	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.3	1.7	1		04/27/15 14:59	87-68-3	
2-Hexanone	ND	ug/kg	42.7	3.3	1		04/27/15 14:59	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.3	1.6	1		04/27/15 14:59	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.3	1.5	1		04/27/15 14:59	99-87-6	
Methylene Chloride	3.7J	ug/kg	17.1	2.6	1		04/27/15 14:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	42.7	3.2	1		04/27/15 14:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.3	1.3	1		04/27/15 14:59	1634-04-4	
Naphthalene	ND	ug/kg	4.3	1.0	1		04/27/15 14:59	91-20-3	
n-Propylbenzene	ND	ug/kg	4.3	1.5	1		04/27/15 14:59	103-65-1	
Styrene	ND	ug/kg	4.3	1.5	1		04/27/15 14:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.3	1.8	1		04/27/15 14:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.3	1.6	1		04/27/15 14:59	79-34-5	
Tetrachloroethene	ND	ug/kg	4.3	1.5	1		04/27/15 14:59	127-18-4	

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ANALYTICAL RESULTS

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

Sample: DP-001-S0-100-01 **Lab ID: 92246759003** Collected: 04/22/15 13:30 Received: 04/23/15 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
Toluene	ND	ug/kg	4.3	1.5	1		04/27/15 14:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.3	1.9	1		04/27/15 14:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.3	1.4	1		04/27/15 14:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.3	1.5	1		04/27/15 14:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.3	1.8	1		04/27/15 14:59	79-00-5	
Trichloroethene	ND	ug/kg	4.3	1.8	1		04/27/15 14:59	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.3	1.9	1		04/27/15 14:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.3	1.4	1		04/27/15 14:59	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.3	1.7	1		04/27/15 14:59	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.3	1.5	1		04/27/15 14:59	108-67-8	
Vinyl acetate	ND	ug/kg	42.7	7.5	1		04/27/15 14:59	108-05-4	L3
Vinyl chloride	ND	ug/kg	8.5	1.5	1		04/27/15 14:59	75-01-4	
Xylene (Total)	ND	ug/kg	8.5	3.1	1		04/27/15 14:59	1330-20-7	
m&p-Xylene	ND	ug/kg	8.5	3.1	1		04/27/15 14:59	179601-23-1	
o-Xylene	ND	ug/kg	4.3	1.6	1		04/27/15 14:59	95-47-6	
Surrogates									
Toluene-d8 (S)	103	%	70-130		1		04/27/15 14:59	2037-26-5	1g
4-Bromofluorobenzene (S)	86	%	70-130		1		04/27/15 14:59	460-00-4	
1,2-Dichloroethane-d4 (S)	122	%	70-132		1		04/27/15 14:59	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	14.3	%	0.10	0.10	1		04/27/15 14:40		

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ANALYTICAL RESULTS

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

Sample: DP-002-S0-100-01 **Lab ID: 92246759004** Collected: 04/22/15 12:57 Received: 04/23/15 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546									
Diesel Range Organics(C10-C28)	356	mg/kg	6.0	5.4	1	04/29/15 10:05	04/30/15 00:58		
Surrogates									
n-Pentacosane (S)	132	%	41-119		1	04/29/15 10:05	04/30/15 00:58	629-99-2	S5
Gasoline Range Organics									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B									
Gas Range Organics (C6-C10)	ND	mg/kg	7.1	7.1	1	04/28/15 16:43	05/04/15 13:53		
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-167		1	04/28/15 16:43	05/04/15 13:53	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	16.0	%	0.10	0.10	1		04/26/15 16:08		

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ANALYTICAL RESULTS

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

Sample: DP-002-S0-100-01 **Lab ID:** 92246759005 Collected: 04/22/15 12:57 Received: 04/23/15 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH Microwave									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	125J	ug/kg	388	89.3	1	04/29/15 13:20	05/01/15 11:15	83-32-9	
Acenaphthylene	104J	ug/kg	388	91.6	1	04/29/15 13:20	05/01/15 11:15	208-96-8	
Anthracene	463	ug/kg	388	86.9	1	04/29/15 13:20	05/01/15 11:15	120-12-7	
Benzo(a)anthracene	1300	ug/kg	388	71.7	1	04/29/15 13:20	05/01/15 11:15	56-55-3	
Benzo(a)pyrene	1240	ug/kg	388	74.0	1	04/29/15 13:20	05/01/15 11:15	50-32-8	
Benzo(b)fluoranthene	1480	ug/kg	388	67.0	1	04/29/15 13:20	05/01/15 11:15	205-99-2	
Benzo(g,h,i)perylene	833	ug/kg	388	98.7	1	04/29/15 13:20	05/01/15 11:15	191-24-2	
Benzo(k)fluoranthene	600	ug/kg	388	76.4	1	04/29/15 13:20	05/01/15 11:15	207-08-9	
Chrysene	1150	ug/kg	388	51.7	1	04/29/15 13:20	05/01/15 11:15	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	388	82.2	1	04/29/15 13:20	05/01/15 11:15	53-70-3	
Fluoranthene	3010	ug/kg	388	56.4	1	04/29/15 13:20	05/01/15 11:15	206-44-0	
Fluorene	127J	ug/kg	388	79.9	1	04/29/15 13:20	05/01/15 11:15	86-73-7	
Indeno(1,2,3-cd)pyrene	718	ug/kg	388	79.9	1	04/29/15 13:20	05/01/15 11:15	193-39-5	
1-Methylnaphthalene	ND	ug/kg	388	101	1	04/29/15 13:20	05/01/15 11:15	90-12-0	
2-Methylnaphthalene	ND	ug/kg	388	83.4	1	04/29/15 13:20	05/01/15 11:15	91-57-6	
Naphthalene	118J	ug/kg	388	95.2	1	04/29/15 13:20	05/01/15 11:15	91-20-3	
Phenanthrene	1780	ug/kg	388	64.6	1	04/29/15 13:20	05/01/15 11:15	85-01-8	
Pyrene	2010	ug/kg	388	65.8	1	04/29/15 13:20	05/01/15 11:15	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	50	%	23-110		1	04/29/15 13:20	05/01/15 11:15	4165-60-0	
2-Fluorobiphenyl (S)	36	%	30-110		1	04/29/15 13:20	05/01/15 11:15	321-60-8	
Terphenyl-d14 (S)	46	%	28-110		1	04/29/15 13:20	05/01/15 11:15	1718-51-0	
8260/5035A Volatile Organics									
Analytical Method: EPA 8260									
Acetone	53.2J	ug/kg	117	11.7	1		04/24/15 19:58	67-64-1	
Benzene	ND	ug/kg	5.9	1.9	1		04/24/15 19:58	71-43-2	
Bromobenzene	ND	ug/kg	5.9	2.3	1		04/24/15 19:58	108-86-1	
Bromochloromethane	ND	ug/kg	5.9	2.0	1		04/24/15 19:58	74-97-5	
Bromodichloromethane	ND	ug/kg	5.9	2.2	1		04/24/15 19:58	75-27-4	
Bromoform	ND	ug/kg	5.9	2.7	1		04/24/15 19:58	75-25-2	
Bromomethane	ND	ug/kg	11.7	2.9	1		04/24/15 19:58	74-83-9	
2-Butanone (MEK)	ND	ug/kg	117	3.4	1		04/24/15 19:58	78-93-3	
n-Butylbenzene	ND	ug/kg	5.9	2.1	1		04/24/15 19:58	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.9	1.9	1		04/24/15 19:58	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.9	2.3	1		04/24/15 19:58	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.9	3.1	1		04/24/15 19:58	56-23-5	
Chlorobenzene	ND	ug/kg	5.9	2.2	1		04/24/15 19:58	108-90-7	
Chloroethane	ND	ug/kg	11.7	2.8	1		04/24/15 19:58	75-00-3	
Chloroform	ND	ug/kg	5.9	1.9	1		04/24/15 19:58	67-66-3	
Chloromethane	ND	ug/kg	11.7	2.8	1		04/24/15 19:58	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.9	2.0	1		04/24/15 19:58	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.9	2.1	1		04/24/15 19:58	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.9	4.2	1		04/24/15 19:58	96-12-8	
Dibromochloromethane	ND	ug/kg	5.9	2.1	1		04/24/15 19:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.9	2.1	1		04/24/15 19:58	106-93-4	

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ANALYTICAL RESULTS

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

Sample: DP-002-S0-100-01 Lab ID: 92246759005 Collected: 04/22/15 12:57 Received: 04/23/15 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
Dibromomethane	ND	ug/kg	5.9	2.9	1		04/24/15 19:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.9	2.2	1		04/24/15 19:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.9	2.3	1		04/24/15 19:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.9	2.0	1		04/24/15 19:58	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.7	4.2	1		04/24/15 19:58	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.9	1.8	1		04/24/15 19:58	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.9	2.6	1		04/24/15 19:58	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.9	2.1	1		04/24/15 19:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.9	1.6	1		04/24/15 19:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.9	2.2	1		04/24/15 19:58	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.9	2.0	1		04/24/15 19:58	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.9	2.2	1		04/24/15 19:58	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.9	2.0	1		04/24/15 19:58	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.9	1.8	1		04/24/15 19:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.9	2.1	1		04/24/15 19:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.9	1.8	1		04/24/15 19:58	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.9	2.0	1		04/24/15 19:58	108-20-3	
Ethylbenzene	ND	ug/kg	5.9	2.1	1		04/24/15 19:58	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.9	2.3	1		04/24/15 19:58	87-68-3	
2-Hexanone	ND	ug/kg	58.7	4.6	1		04/24/15 19:58	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.9	2.2	1		04/24/15 19:58	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.9	2.0	1		04/24/15 19:58	99-87-6	
Methylene Chloride	14.8J	ug/kg	23.5	3.5	1		04/24/15 19:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	58.7	4.3	1		04/24/15 19:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.9	1.8	1		04/24/15 19:58	1634-04-4	
Naphthalene	1.7J	ug/kg	5.9	1.4	1		04/24/15 19:58	91-20-3	
n-Propylbenzene	ND	ug/kg	5.9	2.0	1		04/24/15 19:58	103-65-1	
Styrene	ND	ug/kg	5.9	2.1	1		04/24/15 19:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.9	2.5	1		04/24/15 19:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.9	2.2	1		04/24/15 19:58	79-34-5	
Tetrachloroethene	ND	ug/kg	5.9	2.0	1		04/24/15 19:58	127-18-4	
Toluene	ND	ug/kg	5.9	2.1	1		04/24/15 19:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.9	2.6	1		04/24/15 19:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.9	1.9	1		04/24/15 19:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.9	2.1	1		04/24/15 19:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.9	2.5	1		04/24/15 19:58	79-00-5	
Trichloroethene	ND	ug/kg	5.9	2.5	1		04/24/15 19:58	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.9	2.6	1		04/24/15 19:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.9	1.9	1		04/24/15 19:58	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.9	2.3	1		04/24/15 19:58	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.9	2.1	1		04/24/15 19:58	108-67-8	
Vinyl acetate	ND	ug/kg	58.7	10.3	1		04/24/15 19:58	108-05-4	L3
Vinyl chloride	ND	ug/kg	11.7	2.1	1		04/24/15 19:58	75-01-4	
Xylene (Total)	ND	ug/kg	11.7	4.2	1		04/24/15 19:58	1330-20-7	
m&p-Xylene	ND	ug/kg	11.7	4.2	1		04/24/15 19:58	179601-23-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

Sample: DP-002-S0-100-01 **Lab ID: 92246759005** Collected: 04/22/15 12:57 Received: 04/23/15 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260							
o-Xylene	ND	ug/kg	5.9	2.2	1		04/24/15 19:58	95-47-6	
Surrogates									
Toluene-d8 (S)	92	%	70-130		1		04/24/15 19:58	2037-26-5	1g,2g
4-Bromofluorobenzene (S)	74	%	70-130		1		04/24/15 19:58	460-00-4	
1,2-Dichloroethane-d4 (S)	122	%	70-132		1		04/24/15 19:58	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	14.9	%	0.10	0.10	1		04/30/15 15:42		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

Sample: DP-002-S0-100-01 **Lab ID: 92246759006** Collected: 04/22/15 12:57 Received: 04/23/15 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Aluminum	3990	mg/kg	9.5	4.8	1	04/28/15 16:00	04/29/15 15:33	7429-90-5	
Antimony	14.1	mg/kg	0.48	0.37	1	04/28/15 16:00	04/29/15 15:33	7440-36-0	
Arsenic	7.5	mg/kg	0.95	0.48	1	04/28/15 16:00	04/29/15 15:33	7440-38-2	
Barium	243	mg/kg	0.48	0.24	1	04/28/15 16:00	04/29/15 15:33	7440-39-3	
Beryllium	0.23	mg/kg	0.095	0.048	1	04/28/15 16:00	04/29/15 15:33	7440-41-7	
Cadmium	0.23	mg/kg	0.095	0.048	1	04/28/15 16:00	04/29/15 15:33	7440-43-9	
Calcium	34000	mg/kg	190	95.2	20	04/28/15 16:00	04/29/15 21:37	7440-70-2	
Chromium	29.9	mg/kg	0.48	0.24	1	04/28/15 16:00	04/29/15 15:33	7440-47-3	
Cobalt	7.2	mg/kg	0.48	0.24	1	04/28/15 16:00	04/29/15 15:33	7440-48-4	
Copper	329	mg/kg	0.48	0.24	1	04/28/15 16:00	04/29/15 15:33	7440-50-8	
Iron	26500	mg/kg	190	95.2	20	04/28/15 16:00	04/29/15 21:37	7439-89-6	
Lead	1690	mg/kg	9.5	4.8	20	04/28/15 16:00	04/29/15 21:37	7439-92-1	
Magnesium	1740	mg/kg	9.5	0.24	1	04/28/15 16:00	04/29/15 15:33	7439-95-4	
Manganese	320	mg/kg	0.48	0.24	1	04/28/15 16:00	04/29/15 15:33	7439-96-5	
Nickel	13.0	mg/kg	0.48	0.24	1	04/28/15 16:00	04/29/15 15:33	7440-02-0	
Potassium	535	mg/kg	476	476	1	04/28/15 16:00	04/29/15 15:33	7440-09-7	
Selenium	ND	mg/kg	0.95	0.48	1	04/28/15 16:00	04/29/15 15:33	7782-49-2	
Silver	0.44J	mg/kg	0.48	0.24	1	04/28/15 16:00	04/29/15 15:33	7440-22-4	
Sodium	ND	mg/kg	476	238	1	04/28/15 16:00	04/29/15 15:33	7440-23-5	
Thallium	ND	mg/kg	0.95	0.48	1	04/28/15 16:00	04/29/15 15:33	7440-28-0	
Vanadium	19.0	mg/kg	0.48	0.24	1	04/28/15 16:00	04/29/15 15:33	7440-62-2	
Zinc	418	mg/kg	0.95	0.48	1	04/28/15 16:00	04/29/15 15:33	7440-66-6	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	1.6	mg/kg	0.082	0.0016	20	04/25/15 16:35	04/28/15 14:25	7439-97-6	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	16.7	%	0.10	0.10	1		05/01/15 15:31		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

QC Batch: GCV/9275 Analysis Method: EPA 8015 Modified
 QC Batch Method: EPA 5035A/5030B Analysis Description: Gasoline Range Organics
 Associated Lab Samples: 92246759001, 92246759002, 92246759003, 92246759004

METHOD BLANK: 1445408 Matrix: Solid
 Associated Lab Samples: 92246759001, 92246759002, 92246759003, 92246759004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gas Range Organics (C6-C10)	mg/kg	ND	6.0	05/01/15 05:32	
4-Bromofluorobenzene (S)	%	108	70-167	05/01/15 05:32	

LABORATORY CONTROL SAMPLE: 1445409

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gas Range Organics (C6-C10)	mg/kg	50	51.8	104	70-165	
4-Bromofluorobenzene (S)	%			110	70-167	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1445692 1445693

Parameter	Units	92246829005		1445693		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Gas Range Organics (C6-C10)	mg/kg	ND	59.4	59.4	17.2	35.1	28	58	47-187	68	30	M0,R1
4-Bromofluorobenzene (S)	%						100	95	70-167			

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3
Pace Project No.: 92246759

QC Batch: MERP/7774 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 92246759001, 92246759003, 92246759006

METHOD BLANK: 1443652 Matrix: Solid
Associated Lab Samples: 92246759001, 92246759003, 92246759006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	0.0021J	0.0050	04/28/15 13:06	

LABORATORY CONTROL SAMPLE: 1443653

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.070	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1443654 1443655

Parameter	Units	92246759001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Mercury	mg/kg	0.40	.067	.059	0.61	0.52	318	214	75-125	15	20	M6	

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

QC Batch: MERP/7782

Analysis Method: EPA 7471

QC Batch Method: EPA 7471

Analysis Description: 7471 Mercury

Associated Lab Samples: 92246759002

METHOD BLANK: 1445816

Matrix: Solid

Associated Lab Samples: 92246759002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	0.0013J	0.0050	04/29/15 13:53	

LABORATORY CONTROL SAMPLE: 1445817

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.067	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1445818 1445819

Parameter	Units	92247219004		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
Mercury	mg/kg	ND	.062	.062	0.061	0.062	97	98	75-125	0	20		

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

QC Batch: MPRP/18359 Analysis Method: EPA 6010
 QC Batch Method: EPA 3050 Analysis Description: 6010 MET
 Associated Lab Samples: 92246759001, 92246759002, 92246759003, 92246759006

METHOD BLANK: 1444919 Matrix: Solid
 Associated Lab Samples: 92246759001, 92246759002, 92246759003, 92246759006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	ND	10.0	04/29/15 16:46	
Antimony	mg/kg	ND	0.50	04/29/15 16:46	
Arsenic	mg/kg	ND	1.0	04/29/15 16:46	
Barium	mg/kg	ND	0.50	04/29/15 16:46	
Beryllium	mg/kg	ND	0.10	04/29/15 16:46	
Cadmium	mg/kg	ND	0.10	04/29/15 16:46	
Calcium	mg/kg	ND	10.0	04/29/15 16:46	
Chromium	mg/kg	ND	0.50	04/29/15 16:46	
Cobalt	mg/kg	ND	0.50	04/29/15 16:46	
Copper	mg/kg	ND	0.50	04/29/15 16:46	
Iron	mg/kg	ND	10.0	04/29/15 16:46	
Lead	mg/kg	ND	0.50	04/29/15 16:46	
Magnesium	mg/kg	0.45J	10.0	04/29/15 16:46	
Manganese	mg/kg	0.31J	0.50	04/29/15 16:46	
Nickel	mg/kg	ND	0.50	04/29/15 16:46	
Potassium	mg/kg	ND	500	04/29/15 16:46	
Selenium	mg/kg	ND	1.0	04/29/15 16:46	
Silver	mg/kg	ND	0.50	04/29/15 16:46	
Sodium	mg/kg	ND	500	04/29/15 16:46	
Thallium	mg/kg	ND	1.0	04/29/15 16:46	
Vanadium	mg/kg	ND	0.50	04/29/15 16:46	
Zinc	mg/kg	ND	1.0	04/29/15 16:46	

LABORATORY CONTROL SAMPLE: 1444920

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	500	466	93	80-120	
Antimony	mg/kg	50	48.8	98	80-120	
Arsenic	mg/kg	50	46.4	93	80-120	
Barium	mg/kg	50	46.7	93	80-120	
Beryllium	mg/kg	50	46.3	93	80-120	
Cadmium	mg/kg	50	47.3	95	80-120	
Calcium	mg/kg	500	456	91	80-120	
Chromium	mg/kg	50	46.1	92	80-120	
Cobalt	mg/kg	50	47.2	94	80-120	
Copper	mg/kg	50	47.7	95	80-120	
Iron	mg/kg	500	463	93	80-120	
Lead	mg/kg	50	47.0	94	80-120	
Magnesium	mg/kg	500	456	91	80-120	
Manganese	mg/kg	50	45.5	91	80-120	

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

LABORATORY CONTROL SAMPLE: 1444920

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	mg/kg	50	46.3	93	80-120	
Potassium	mg/kg	500	ND	94	80-120	
Selenium	mg/kg	50	47.2	94	80-120	
Silver	mg/kg	25	23.5	94	80-120	
Sodium	mg/kg	500	467J	93	80-120	
Thallium	mg/kg	50	46.5	93	80-120	
Vanadium	mg/kg	50	46.0	92	80-120	
Zinc	mg/kg	50	45.9	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1444921 1444922

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		92246736001 Result	Spike Conc.	Spike Conc.	MS Result								
Aluminum	mg/kg	3910	269	253	5120	2910	452	-396	75-125	55	20	M1,R1	
Antimony	mg/kg	ND	26.9	25.3	14.0	12.9	51	50	75-125	8	20	M1	
Arsenic	mg/kg	25.8	26.9	25.3	40.2	36.0	54	40	75-125	11	20	M1	
Barium	mg/kg	89.4	26.9	25.3	377	45.3	1068	-175	75-125	157	20	M1,R1	
Beryllium	mg/kg	0.89	26.9	25.3	24.0	22.6	86	86	75-125	6	20		
Cadmium	mg/kg	0.11	26.9	25.3	24.1	22.8	89	90	75-125	6	20		
Calcium	mg/kg	2060	269	253	1910	1250	-59	-323	75-125	42	20	M1,R1	
Chromium	mg/kg	2.3	26.9	25.3	26.5	23.6	90	84	75-125	11	20		
Cobalt	mg/kg	0.62	26.9	25.3	33.5	22.9	122	88	75-125	38	20	R1	
Copper	mg/kg	5.5	26.9	25.3	35.6	28.1	112	89	75-125	24	20	R1	
Iron	mg/kg	5160	269	253	4720	3100	-161	-816	75-125	42	20	M1,R1	
Lead	mg/kg	5.3	26.9	25.3	28.8	26.2	87	83	75-125	10	20		
Magnesium	mg/kg	833	269	253	1040	706	77	-50	75-125	38	20	M1,R1	
Manganese	mg/kg	17.5	26.9	25.3	1170	31.1	4305	54	75-125	190	20	M1,R1	
Nickel	mg/kg	3.3	26.9	25.3	29.4	23.9	97	81	75-125	21	20	R1	
Potassium	mg/kg	943	269	253	1150	775	78	-67	75-125	39	20	M1,R1	
Selenium	mg/kg	ND	26.9	25.3	22.9	22.2	85	88	75-125	3	20		
Silver	mg/kg	ND	13.4	12.6	12.0	11.3	89	90	75-125	6	20		
Sodium	mg/kg	720	269	253	903	646	68	-29	75-125	33	20	M1,R1	
Thallium	mg/kg	ND	26.9	25.3	21.6	20.7	80	82	75-125	4	20		
Vanadium	mg/kg	8.5	26.9	25.3	43.6	28.9	130	81	75-125	41	20	M1,R1	
Zinc	mg/kg	17.7	26.9	25.3	46.0	33.9	105	64	75-125	30	20	M1,R1	

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3
Pace Project No.: 92246759

QC Batch: MSV/31363 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92246759005

METHOD BLANK: 1442936 Matrix: Solid
Associated Lab Samples: 92246759005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	4.8	04/24/15 16:19	
1,1,1-Trichloroethane	ug/kg	ND	4.8	04/24/15 16:19	
1,1,2,2-Tetrachloroethane	ug/kg	ND	4.8	04/24/15 16:19	
1,1,2-Trichloroethane	ug/kg	ND	4.8	04/24/15 16:19	
1,1-Dichloroethane	ug/kg	ND	4.8	04/24/15 16:19	
1,1-Dichloroethene	ug/kg	ND	4.8	04/24/15 16:19	
1,1-Dichloropropene	ug/kg	ND	4.8	04/24/15 16:19	
1,2,3-Trichlorobenzene	ug/kg	ND	4.8	04/24/15 16:19	
1,2,3-Trichloropropane	ug/kg	ND	4.8	04/24/15 16:19	
1,2,4-Trichlorobenzene	ug/kg	ND	4.8	04/24/15 16:19	
1,2,4-Trimethylbenzene	ug/kg	ND	4.8	04/24/15 16:19	
1,2-Dibromo-3-chloropropane	ug/kg	ND	4.8	04/24/15 16:19	
1,2-Dibromoethane (EDB)	ug/kg	ND	4.8	04/24/15 16:19	
1,2-Dichlorobenzene	ug/kg	ND	4.8	04/24/15 16:19	
1,2-Dichloroethane	ug/kg	ND	4.8	04/24/15 16:19	
1,2-Dichloropropane	ug/kg	ND	4.8	04/24/15 16:19	
1,3,5-Trimethylbenzene	ug/kg	ND	4.8	04/24/15 16:19	
1,3-Dichlorobenzene	ug/kg	ND	4.8	04/24/15 16:19	
1,3-Dichloropropane	ug/kg	ND	4.8	04/24/15 16:19	
1,4-Dichlorobenzene	ug/kg	ND	4.8	04/24/15 16:19	
2,2-Dichloropropane	ug/kg	ND	4.8	04/24/15 16:19	
2-Butanone (MEK)	ug/kg	ND	95.6	04/24/15 16:19	
2-Chlorotoluene	ug/kg	ND	4.8	04/24/15 16:19	
2-Hexanone	ug/kg	ND	47.8	04/24/15 16:19	
4-Chlorotoluene	ug/kg	ND	4.8	04/24/15 16:19	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	47.8	04/24/15 16:19	
Acetone	ug/kg	ND	95.6	04/24/15 16:19	
Benzene	ug/kg	ND	4.8	04/24/15 16:19	
Bromobenzene	ug/kg	ND	4.8	04/24/15 16:19	
Bromochloromethane	ug/kg	ND	4.8	04/24/15 16:19	
Bromodichloromethane	ug/kg	ND	4.8	04/24/15 16:19	
Bromoform	ug/kg	ND	4.8	04/24/15 16:19	
Bromomethane	ug/kg	ND	9.6	04/24/15 16:19	
Carbon tetrachloride	ug/kg	ND	4.8	04/24/15 16:19	
Chlorobenzene	ug/kg	ND	4.8	04/24/15 16:19	
Chloroethane	ug/kg	ND	9.6	04/24/15 16:19	
Chloroform	ug/kg	ND	4.8	04/24/15 16:19	
Chloromethane	ug/kg	ND	9.6	04/24/15 16:19	
cis-1,2-Dichloroethene	ug/kg	ND	4.8	04/24/15 16:19	
cis-1,3-Dichloropropene	ug/kg	ND	4.8	04/24/15 16:19	
Dibromochloromethane	ug/kg	ND	4.8	04/24/15 16:19	

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

METHOD BLANK: 1442936

Matrix: Solid

Associated Lab Samples: 92246759005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	4.8	04/24/15 16:19	
Dichlorodifluoromethane	ug/kg	ND	9.6	04/24/15 16:19	
Diisopropyl ether	ug/kg	ND	4.8	04/24/15 16:19	
Ethylbenzene	ug/kg	ND	4.8	04/24/15 16:19	
Hexachloro-1,3-butadiene	ug/kg	ND	4.8	04/24/15 16:19	
Isopropylbenzene (Cumene)	ug/kg	ND	4.8	04/24/15 16:19	
m&p-Xylene	ug/kg	ND	9.6	04/24/15 16:19	
Methyl-tert-butyl ether	ug/kg	ND	4.8	04/24/15 16:19	
Methylene Chloride	ug/kg	ND	19.1	04/24/15 16:19	
n-Butylbenzene	ug/kg	ND	4.8	04/24/15 16:19	
n-Propylbenzene	ug/kg	ND	4.8	04/24/15 16:19	
Naphthalene	ug/kg	ND	4.8	04/24/15 16:19	
o-Xylene	ug/kg	ND	4.8	04/24/15 16:19	
p-Isopropyltoluene	ug/kg	ND	4.8	04/24/15 16:19	
sec-Butylbenzene	ug/kg	ND	4.8	04/24/15 16:19	
Styrene	ug/kg	ND	4.8	04/24/15 16:19	
tert-Butylbenzene	ug/kg	ND	4.8	04/24/15 16:19	
Tetrachloroethene	ug/kg	ND	4.8	04/24/15 16:19	
Toluene	ug/kg	ND	4.8	04/24/15 16:19	
trans-1,2-Dichloroethene	ug/kg	ND	4.8	04/24/15 16:19	
trans-1,3-Dichloropropene	ug/kg	ND	4.8	04/24/15 16:19	
Trichloroethene	ug/kg	ND	4.8	04/24/15 16:19	
Trichlorofluoromethane	ug/kg	ND	4.8	04/24/15 16:19	
Vinyl acetate	ug/kg	ND	47.8	04/24/15 16:19	
Vinyl chloride	ug/kg	ND	9.6	04/24/15 16:19	
Xylene (Total)	ug/kg	ND	9.6	04/24/15 16:19	
1,2-Dichloroethane-d4 (S)	%	102	70-132	04/24/15 16:19	
4-Bromofluorobenzene (S)	%	93	70-130	04/24/15 16:19	
Toluene-d8 (S)	%	99	70-130	04/24/15 16:19	

LABORATORY CONTROL SAMPLE: 1442937

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	45.2	44.7	99	74-137	
1,1,1-Trichloroethane	ug/kg	45.2	45.7	101	67-140	
1,1,2,2-Tetrachloroethane	ug/kg	45.2	42.0	93	72-141	
1,1,2-Trichloroethane	ug/kg	45.2	45.7	101	78-138	
1,1-Dichloroethane	ug/kg	45.2	46.3	103	69-134	
1,1-Dichloroethene	ug/kg	45.2	44.8	99	67-138	
1,1-Dichloropropene	ug/kg	45.2	51.2	113	69-139	
1,2,3-Trichlorobenzene	ug/kg	45.2	43.3	96	70-146	
1,2,3-Trichloropropane	ug/kg	45.2	45.1	100	69-144	
1,2,4-Trichlorobenzene	ug/kg	45.2	44.0	97	68-148	
1,2,4-Trimethylbenzene	ug/kg	45.2	46.1	102	74-137	

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

LABORATORY CONTROL SAMPLE: 1442937

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/kg	45.2	38.6	85	65-140	
1,2-Dibromoethane (EDB)	ug/kg	45.2	45.4	100	77-135	
1,2-Dichlorobenzene	ug/kg	45.2	45.3	100	77-141	
1,2-Dichloroethane	ug/kg	45.2	43.8	97	65-137	
1,2-Dichloropropane	ug/kg	45.2	45.6	101	72-136	
1,3,5-Trimethylbenzene	ug/kg	45.2	45.9	101	76-133	
1,3-Dichlorobenzene	ug/kg	45.2	46.2	102	74-138	
1,3-Dichloropropane	ug/kg	45.2	45.4	100	71-139	
1,4-Dichlorobenzene	ug/kg	45.2	45.3	100	76-138	
2,2-Dichloropropane	ug/kg	45.2	43.7	97	68-137	
2-Butanone (MEK)	ug/kg	90.4	82.1J	91	58-147	
2-Chlorotoluene	ug/kg	45.2	45.7	101	73-139	
2-Hexanone	ug/kg	90.4	84.9	94	62-145	
4-Chlorotoluene	ug/kg	45.2	45.0	100	76-141	
4-Methyl-2-pentanone (MIBK)	ug/kg	90.4	86.8	96	64-149	
Acetone	ug/kg	90.4	87.0J	96	53-153	
Benzene	ug/kg	45.2	47.1	104	73-135	
Bromobenzene	ug/kg	45.2	43.6	96	75-133	
Bromochloromethane	ug/kg	45.2	47.6	105	73-134	
Bromodichloromethane	ug/kg	45.2	41.1	91	71-135	
Bromoform	ug/kg	45.2	37.7	83	66-141	
Bromomethane	ug/kg	45.2	56.3	124	53-160	
Carbon tetrachloride	ug/kg	45.2	45.4	100	60-145	
Chlorobenzene	ug/kg	45.2	46.4	103	78-130	
Chloroethane	ug/kg	45.2	47.0	104	64-149	
Chloroform	ug/kg	45.2	43.4	96	70-134	
Chloromethane	ug/kg	45.2	46.3	102	52-150	
cis-1,2-Dichloroethene	ug/kg	45.2	46.6	103	70-133	
cis-1,3-Dichloropropene	ug/kg	45.2	46.3	102	68-134	
Dibromochloromethane	ug/kg	45.2	40.8	90	71-138	
Dibromomethane	ug/kg	45.2	44.8	99	74-130	
Dichlorodifluoromethane	ug/kg	45.2	42.6	94	40-160	
Diisopropyl ether	ug/kg	45.2	45.5	101	69-141	
Ethylbenzene	ug/kg	45.2	43.5	96	75-133	
Hexachloro-1,3-butadiene	ug/kg	45.2	40.9	91	68-143	
Isopropylbenzene (Cumene)	ug/kg	45.2	45.1	100	76-143	
m&p-Xylene	ug/kg	90.4	84.3	93	75-136	
Methyl-tert-butyl ether	ug/kg	45.2	42.7	94	68-144	
Methylene Chloride	ug/kg	45.2	45.8	101	45-154	
n-Butylbenzene	ug/kg	45.2	43.1	95	72-137	
n-Propylbenzene	ug/kg	45.2	43.0	95	76-136	
Naphthalene	ug/kg	45.2	46.6	103	68-151	
o-Xylene	ug/kg	45.2	44.1	98	76-141	
p-Isopropyltoluene	ug/kg	45.2	42.3	94	76-140	
sec-Butylbenzene	ug/kg	45.2	45.0	99	79-139	
Styrene	ug/kg	45.2	45.3	100	79-137	
tert-Butylbenzene	ug/kg	45.2	42.2	93	74-143	

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

LABORATORY CONTROL SAMPLE: 1442937

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/kg	45.2	46.3	102	71-138	
Toluene	ug/kg	45.2	45.3	100	74-131	
trans-1,2-Dichloroethene	ug/kg	45.2	45.7	101	67-135	
trans-1,3-Dichloropropene	ug/kg	45.2	44.8	99	65-146	
Trichloroethene	ug/kg	45.2	47.4	105	67-135	
Trichlorofluoromethane	ug/kg	45.2	47.8	106	59-144	
Vinyl acetate	ug/kg	90.4	177	195	40-160	L0
Vinyl chloride	ug/kg	45.2	45.5	101	56-141	
Xylene (Total)	ug/kg	136	128	95	76-137	
1,2-Dichloroethane-d4 (S)	%			95	70-132	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 1443727

Parameter	Units	92246874001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	24.6	24.6	100	70-130	
1,1,1-Trichloroethane	ug/kg	ND	24.6	27.1	110	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	ND	24.6	25.6	104	70-130	
1,1,2-Trichloroethane	ug/kg	ND	24.6	25.4	103	70-130	
1,1-Dichloroethane	ug/kg	ND	24.6	27.6	112	70-130	
1,1-Dichloroethene	ug/kg	ND	24.6	27.3	111	49-180	
1,1-Dichloropropene	ug/kg	ND	24.6	30.6	124	70-130	
1,2,3-Trichlorobenzene	ug/kg	ND	24.6	22.8	93	70-130	
1,2,3-Trichloropropane	ug/kg	ND	24.6	26.1	106	70-130	
1,2,4-Trichlorobenzene	ug/kg	ND	24.6	23.5	96	70-130	
1,2,4-Trimethylbenzene	ug/kg	ND	24.6	27.1	110	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	ND	24.6	22.3	91	70-130	
1,2-Dibromoethane (EDB)	ug/kg	ND	24.6	24.0	97	70-130	
1,2-Dichlorobenzene	ug/kg	ND	24.6	26.1	106	70-130	
1,2-Dichloroethane	ug/kg	ND	24.6	24.7	100	70-130	
1,2-Dichloropropane	ug/kg	ND	24.6	26.8	109	70-130	
1,3,5-Trimethylbenzene	ug/kg	ND	24.6	27.0	109	70-130	
1,3-Dichlorobenzene	ug/kg	ND	24.6	26.5	108	70-130	
1,3-Dichloropropane	ug/kg	ND	24.6	25.3	103	70-130	
1,4-Dichlorobenzene	ug/kg	ND	24.6	26.7	108	70-130	
2,2-Dichloropropane	ug/kg	ND	24.6	25.8	105	70-130	
2-Butanone (MEK)	ug/kg	ND	49.3	43.2J	88	70-130	
2-Chlorotoluene	ug/kg	ND	24.6	26.9	109	70-130	
2-Hexanone	ug/kg	ND	49.3	44.9J	90	70-130	
4-Chlorotoluene	ug/kg	ND	24.6	26.9	109	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	49.3	44.6J	91	70-130	
Acetone	ug/kg	ND	49.3	70.1J	142	70-130	M1
Benzene	ug/kg	ND	24.6	28.2	115	50-166	
Bromobenzene	ug/kg	ND	24.6	23.1	94	70-130	

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

MATRIX SPIKE SAMPLE: 1443727		92246874001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromochloromethane	ug/kg	ND	24.6	27.0	109	70-130	
Bromodichloromethane	ug/kg	ND	24.6	23.2	94	70-130	
Bromoform	ug/kg	ND	24.6	20.5	83	70-130	
Bromomethane	ug/kg	ND	24.6	34.1	139	70-130	M1
Carbon tetrachloride	ug/kg	ND	24.6	28.0	114	70-130	
Chlorobenzene	ug/kg	ND	24.6	26.9	109	43-169	
Chloroethane	ug/kg	ND	24.6	29.1	118	70-130	
Chloroform	ug/kg	ND	24.6	25.1	102	70-130	
Chloromethane	ug/kg	ND	24.6	27.3	111	70-130	
cis-1,2-Dichloroethene	ug/kg	ND	24.6	26.9	109	70-130	
cis-1,3-Dichloropropene	ug/kg	ND	24.6	25.1	102	70-130	
Dibromochloromethane	ug/kg	ND	24.6	20.9	85	70-130	
Dibromomethane	ug/kg	ND	24.6	25.5	103	70-130	
Dichlorodifluoromethane	ug/kg	ND	24.6	26.8	109	70-130	
Diisopropyl ether	ug/kg	ND	24.6	25.3	103	70-130	
Ethylbenzene	ug/kg	ND	24.6	26.3	107	70-130	
Hexachloro-1,3-butadiene	ug/kg	ND	24.6	23.9	97	70-130	
Isopropylbenzene (Cumene)	ug/kg	ND	24.6	27.4	111	70-130	
m&p-Xylene	ug/kg	ND	49.3	51.2	104	70-130	
Methyl-tert-butyl ether	ug/kg	ND	24.6	23.4	95	70-130	
Methylene Chloride	ug/kg	ND	24.6	22.7J	92	70-130	
n-Butylbenzene	ug/kg	ND	24.6	26.0	106	70-130	
n-Propylbenzene	ug/kg	ND	24.6	26.5	108	70-130	
Naphthalene	ug/kg	ND	24.6	23.2	94	70-130	
o-Xylene	ug/kg	ND	24.6	25.2	102	70-130	
p-Isopropyltoluene	ug/kg	ND	24.6	25.7	104	70-130	
sec-Butylbenzene	ug/kg	ND	24.6	28.2	115	70-130	
Styrene	ug/kg	ND	24.6	25.6	104	70-130	
tert-Butylbenzene	ug/kg	ND	24.6	25.9	105	70-130	
Tetrachloroethene	ug/kg	ND	24.6	27.3	111	70-130	
Toluene	ug/kg	ND	24.6	27.2	110	52-163	
trans-1,2-Dichloroethene	ug/kg	ND	24.6	26.3	107	70-130	
trans-1,3-Dichloropropene	ug/kg	ND	24.6	23.8	96	70-130	
Trichloroethene	ug/kg	ND	24.6	27.0	110	49-167	
Trichlorofluoromethane	ug/kg	ND	24.6	29.4	119	70-130	
Vinyl acetate	ug/kg	ND	49.3	90.7	184	70-130	M0
Vinyl chloride	ug/kg	ND	24.6	28.0	114	70-130	
1,2-Dichloroethane-d4 (S)	%				101	70-132	
4-Bromofluorobenzene (S)	%				97	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 1443726

Parameter	Units	92245653003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3
Pace Project No.: 92246759

SAMPLE DUPLICATE: 1443726

Parameter	Units	92245653003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,2-Trichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	
1,1-Dichloropropene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,3-Trichloropropane	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,4-Trimethylbenzene	ug/kg	4.2J	3.3J		30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichloroethane	ug/kg	ND	ND		30	
1,2-Dichloropropane	ug/kg	ND	ND		30	
1,3,5-Trimethylbenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	
1,3-Dichloropropane	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
2,2-Dichloropropane	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	27.6J	21.3J		30	
2-Chlorotoluene	ug/kg	ND	ND		30	
2-Hexanone	ug/kg	ND	ND		30	
4-Chlorotoluene	ug/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/kg	4.9J	4.9J		30	
Acetone	ug/kg	272	289	6	30	
Benzene	ug/kg	ND	ND		30	
Bromobenzene	ug/kg	ND	ND		30	
Bromochloromethane	ug/kg	ND	ND		30	
Bromodichloromethane	ug/kg	ND	ND		30	
Bromoform	ug/kg	ND	ND		30	
Bromomethane	ug/kg	ND	ND		30	
Carbon tetrachloride	ug/kg	ND	ND		30	
Chlorobenzene	ug/kg	ND	ND		30	
Chloroethane	ug/kg	ND	ND		30	
Chloroform	ug/kg	ND	ND		30	
Chloromethane	ug/kg	ND	ND		30	
cis-1,2-Dichloroethene	ug/kg	ND	ND		30	
cis-1,3-Dichloropropene	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dibromomethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30	
Diisopropyl ether	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	
m&p-Xylene	ug/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

SAMPLE DUPLICATE: 1443726

Parameter	Units	92245653003 Result	Dup Result	RPD	Max RPD	Qualifiers
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	171	155	10	30	
n-Butylbenzene	ug/kg	ND	ND		30	
n-Propylbenzene	ug/kg	ND	ND		30	
Naphthalene	ug/kg	ND	1.3J		30	
o-Xylene	ug/kg	ND	ND		30	
p-Isopropyltoluene	ug/kg	ND	ND		30	
sec-Butylbenzene	ug/kg	ND	ND		30	
Styrene	ug/kg	ND	ND		30	
tert-Butylbenzene	ug/kg	ND	ND		30	
Tetrachloroethene	ug/kg	ND	ND		30	
Toluene	ug/kg	3.0J	2.7J		30	
trans-1,2-Dichloroethene	ug/kg	ND	ND		30	
trans-1,3-Dichloropropene	ug/kg	ND	ND		30	
Trichloroethene	ug/kg	ND	ND		30	
Trichlorofluoromethane	ug/kg	ND	ND		30	
Vinyl acetate	ug/kg	ND	ND		30	
Vinyl chloride	ug/kg	ND	ND		30	
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	136	132	4		
4-Bromofluorobenzene (S)	%	81	83	1		
Toluene-d8 (S)	%	93	93	1		

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

QC Batch: MSV/31398

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV 5035A Volatile Organics

Associated Lab Samples: 92246759003

METHOD BLANK: 1444001

Matrix: Solid

Associated Lab Samples: 92246759003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	4.3	04/27/15 11:41	
1,1,1-Trichloroethane	ug/kg	ND	4.3	04/27/15 11:41	
1,1,2,2-Tetrachloroethane	ug/kg	ND	4.3	04/27/15 11:41	
1,1,2-Trichloroethane	ug/kg	ND	4.3	04/27/15 11:41	
1,1-Dichloroethane	ug/kg	ND	4.3	04/27/15 11:41	
1,1-Dichloroethene	ug/kg	ND	4.3	04/27/15 11:41	
1,1-Dichloropropene	ug/kg	ND	4.3	04/27/15 11:41	
1,2,3-Trichlorobenzene	ug/kg	ND	4.3	04/27/15 11:41	
1,2,3-Trichloropropane	ug/kg	ND	4.3	04/27/15 11:41	
1,2,4-Trichlorobenzene	ug/kg	ND	4.3	04/27/15 11:41	
1,2,4-Trimethylbenzene	ug/kg	ND	4.3	04/27/15 11:41	
1,2-Dibromo-3-chloropropane	ug/kg	ND	4.3	04/27/15 11:41	
1,2-Dibromoethane (EDB)	ug/kg	ND	4.3	04/27/15 11:41	
1,2-Dichlorobenzene	ug/kg	ND	4.3	04/27/15 11:41	
1,2-Dichloroethane	ug/kg	ND	4.3	04/27/15 11:41	
1,2-Dichloropropane	ug/kg	ND	4.3	04/27/15 11:41	
1,3,5-Trimethylbenzene	ug/kg	ND	4.3	04/27/15 11:41	
1,3-Dichlorobenzene	ug/kg	ND	4.3	04/27/15 11:41	
1,3-Dichloropropane	ug/kg	ND	4.3	04/27/15 11:41	
1,4-Dichlorobenzene	ug/kg	ND	4.3	04/27/15 11:41	
2,2-Dichloropropane	ug/kg	ND	4.3	04/27/15 11:41	
2-Butanone (MEK)	ug/kg	ND	86.5	04/27/15 11:41	
2-Chlorotoluene	ug/kg	ND	4.3	04/27/15 11:41	
2-Hexanone	ug/kg	ND	43.3	04/27/15 11:41	
4-Chlorotoluene	ug/kg	ND	4.3	04/27/15 11:41	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	43.3	04/27/15 11:41	
Acetone	ug/kg	69.8J	86.5	04/27/15 11:41	
Benzene	ug/kg	ND	4.3	04/27/15 11:41	
Bromobenzene	ug/kg	ND	4.3	04/27/15 11:41	
Bromochloromethane	ug/kg	ND	4.3	04/27/15 11:41	
Bromodichloromethane	ug/kg	ND	4.3	04/27/15 11:41	
Bromoform	ug/kg	ND	4.3	04/27/15 11:41	
Bromomethane	ug/kg	ND	8.7	04/27/15 11:41	
Carbon tetrachloride	ug/kg	ND	4.3	04/27/15 11:41	
Chlorobenzene	ug/kg	ND	4.3	04/27/15 11:41	
Chloroethane	ug/kg	ND	8.7	04/27/15 11:41	
Chloroform	ug/kg	ND	4.3	04/27/15 11:41	
Chloromethane	ug/kg	ND	8.7	04/27/15 11:41	
cis-1,2-Dichloroethene	ug/kg	ND	4.3	04/27/15 11:41	
cis-1,3-Dichloropropene	ug/kg	ND	4.3	04/27/15 11:41	
Dibromochloromethane	ug/kg	ND	4.3	04/27/15 11:41	

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

METHOD BLANK: 1444001

Matrix: Solid

Associated Lab Samples: 92246759003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	4.3	04/27/15 11:41	
Dichlorodifluoromethane	ug/kg	ND	8.7	04/27/15 11:41	
Diisopropyl ether	ug/kg	ND	4.3	04/27/15 11:41	
Ethylbenzene	ug/kg	ND	4.3	04/27/15 11:41	
Hexachloro-1,3-butadiene	ug/kg	ND	4.3	04/27/15 11:41	
Isopropylbenzene (Cumene)	ug/kg	ND	4.3	04/27/15 11:41	
m&p-Xylene	ug/kg	ND	8.7	04/27/15 11:41	
Methyl-tert-butyl ether	ug/kg	ND	4.3	04/27/15 11:41	
Methylene Chloride	ug/kg	ND	17.3	04/27/15 11:41	
n-Butylbenzene	ug/kg	ND	4.3	04/27/15 11:41	
n-Propylbenzene	ug/kg	ND	4.3	04/27/15 11:41	
Naphthalene	ug/kg	ND	4.3	04/27/15 11:41	
o-Xylene	ug/kg	ND	4.3	04/27/15 11:41	
p-Isopropyltoluene	ug/kg	ND	4.3	04/27/15 11:41	
sec-Butylbenzene	ug/kg	ND	4.3	04/27/15 11:41	
Styrene	ug/kg	ND	4.3	04/27/15 11:41	
tert-Butylbenzene	ug/kg	ND	4.3	04/27/15 11:41	
Tetrachloroethene	ug/kg	ND	4.3	04/27/15 11:41	
Toluene	ug/kg	ND	4.3	04/27/15 11:41	
trans-1,2-Dichloroethene	ug/kg	ND	4.3	04/27/15 11:41	
trans-1,3-Dichloropropene	ug/kg	ND	4.3	04/27/15 11:41	
Trichloroethene	ug/kg	ND	4.3	04/27/15 11:41	
Trichlorofluoromethane	ug/kg	ND	4.3	04/27/15 11:41	
Vinyl acetate	ug/kg	ND	43.3	04/27/15 11:41	
Vinyl chloride	ug/kg	ND	8.7	04/27/15 11:41	
Xylene (Total)	ug/kg	ND	8.7	04/27/15 11:41	
1,2-Dichloroethane-d4 (S)	%	104	70-132	04/27/15 11:41	
4-Bromofluorobenzene (S)	%	97	70-130	04/27/15 11:41	
Toluene-d8 (S)	%	110	70-130	04/27/15 11:41	

LABORATORY CONTROL SAMPLE: 1444002

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	44.4	50.0	113	74-137	
1,1,1-Trichloroethane	ug/kg	44.4	51.7	116	67-140	
1,1,2,2-Tetrachloroethane	ug/kg	44.4	44.5	100	72-141	
1,1,2-Trichloroethane	ug/kg	44.4	49.9	112	78-138	
1,1-Dichloroethane	ug/kg	44.4	51.9	117	69-134	
1,1-Dichloroethene	ug/kg	44.4	48.9	110	67-138	
1,1-Dichloropropene	ug/kg	44.4	61.4	138	69-139	
1,2,3-Trichlorobenzene	ug/kg	44.4	50.7	114	70-146	
1,2,3-Trichloropropane	ug/kg	44.4	50.8	114	69-144	
1,2,4-Trichlorobenzene	ug/kg	44.4	49.7	112	68-148	
1,2,4-Trimethylbenzene	ug/kg	44.4	49.8	112	74-137	

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

LABORATORY CONTROL SAMPLE: 1444002

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/kg	44.4	49.8	112	65-140	
1,2-Dibromoethane (EDB)	ug/kg	44.4	51.0	115	77-135	
1,2-Dichlorobenzene	ug/kg	44.4	50.0	113	77-141	
1,2-Dichloroethane	ug/kg	44.4	48.4	109	65-137	
1,2-Dichloropropane	ug/kg	44.4	50.7	114	72-136	
1,3,5-Trimethylbenzene	ug/kg	44.4	49.2	111	76-133	
1,3-Dichlorobenzene	ug/kg	44.4	49.5	111	74-138	
1,3-Dichloropropane	ug/kg	44.4	50.2	113	71-139	
1,4-Dichlorobenzene	ug/kg	44.4	48.6	109	76-138	
2,2-Dichloropropane	ug/kg	44.4	50.5	114	68-137	
2-Butanone (MEK)	ug/kg	88.8	91.6	103	58-147	
2-Chlorotoluene	ug/kg	44.4	50.7	114	73-139	
2-Hexanone	ug/kg	88.8	94.7	107	62-145	
4-Chlorotoluene	ug/kg	44.4	49.6	112	76-141	
4-Methyl-2-pentanone (MIBK)	ug/kg	88.8	97.7	110	64-149	
Acetone	ug/kg	88.8	87.0J	98	53-153	
Benzene	ug/kg	44.4	50.5	114	73-135	
Bromobenzene	ug/kg	44.4	48.4	109	75-133	
Bromochloromethane	ug/kg	44.4	53.2	120	73-134	
Bromodichloromethane	ug/kg	44.4	45.2	102	71-135	
Bromoform	ug/kg	44.4	49.3	111	66-141	
Bromomethane	ug/kg	44.4	54.4	122	53-160	
Carbon tetrachloride	ug/kg	44.4	49.9	112	60-145	
Chlorobenzene	ug/kg	44.4	48.2	109	78-130	
Chloroethane	ug/kg	44.4	50.9	115	64-149	
Chloroform	ug/kg	44.4	45.9	103	70-134	
Chloromethane	ug/kg	44.4	48.8	110	52-150	
cis-1,2-Dichloroethene	ug/kg	44.4	51.8	117	70-133	
cis-1,3-Dichloropropene	ug/kg	44.4	50.6	114	68-134	
Dibromochloromethane	ug/kg	44.4	48.7	110	71-138	
Dibromomethane	ug/kg	44.4	48.1	108	74-130	
Dichlorodifluoromethane	ug/kg	44.4	42.0	95	40-160	
Diisopropyl ether	ug/kg	44.4	52.2	117	69-141	
Ethylbenzene	ug/kg	44.4	48.4	109	75-133	
Hexachloro-1,3-butadiene	ug/kg	44.4	48.8	110	68-143	
Isopropylbenzene (Cumene)	ug/kg	44.4	50.9	115	76-143	
m&p-Xylene	ug/kg	88.8	98.5	111	75-136	
Methyl-tert-butyl ether	ug/kg	44.4	48.6	110	68-144	
Methylene Chloride	ug/kg	44.4	52.8	119	45-154	
n-Butylbenzene	ug/kg	44.4	49.1	111	72-137	
n-Propylbenzene	ug/kg	44.4	49.8	112	76-136	
Naphthalene	ug/kg	44.4	50.9	115	68-151	
o-Xylene	ug/kg	44.4	48.3	109	76-141	
p-Isopropyltoluene	ug/kg	44.4	48.4	109	76-140	
sec-Butylbenzene	ug/kg	44.4	53.2	120	79-139	
Styrene	ug/kg	44.4	49.7	112	79-137	
tert-Butylbenzene	ug/kg	44.4	49.4	111	74-143	

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

LABORATORY CONTROL SAMPLE: 1444002

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/kg	44.4	50.1	113	71-138	
Toluene	ug/kg	44.4	47.7	107	74-131	
trans-1,2-Dichloroethene	ug/kg	44.4	49.7	112	67-135	
trans-1,3-Dichloropropene	ug/kg	44.4	49.4	111	65-146	
Trichloroethene	ug/kg	44.4	52.7	119	67-135	
Trichlorofluoromethane	ug/kg	44.4	46.8	105	59-144	
Vinyl acetate	ug/kg	88.8	146	165	40-160	L0
Vinyl chloride	ug/kg	44.4	51.8	117	56-141	
Xylene (Total)	ug/kg	133	147	110	76-137	
1,2-Dichloroethane-d4 (S)	%			96	70-132	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 1444723

Parameter	Units	92246841002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	23.2	25.6	110	70-130	
1,1,1-Trichloroethane	ug/kg	ND	23.2	25.3	109	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	ND	23.2	33.4	144	70-130	M1
1,1,2-Trichloroethane	ug/kg	ND	23.2	30.8	132	70-130	M1
1,1-Dichloroethane	ug/kg	ND	23.2	26.9	116	70-130	
1,1-Dichloroethene	ug/kg	ND	23.2	23.9	103	49-180	
1,1-Dichloropropene	ug/kg	ND	23.2	28.6	123	70-130	
1,2,3-Trichlorobenzene	ug/kg	ND	23.2	27.6	119	70-130	
1,2,3-Trichloropropane	ug/kg	ND	23.2	36.8	158	70-130	M1
1,2,4-Trichlorobenzene	ug/kg	ND	23.2	25.8	111	70-130	
1,2,4-Trimethylbenzene	ug/kg	ND	23.2	25.2	108	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	ND	23.2	34.1	147	70-130	M1
1,2-Dibromoethane (EDB)	ug/kg	ND	23.2	30.8	132	70-130	M1
1,2-Dichlorobenzene	ug/kg	ND	23.2	26.7	115	70-130	
1,2-Dichloroethane	ug/kg	ND	23.2	31.0	134	70-130	M1
1,2-Dichloropropane	ug/kg	ND	23.2	28.1	121	70-130	
1,3,5-Trimethylbenzene	ug/kg	ND	23.2	25.0	107	70-130	
1,3-Dichlorobenzene	ug/kg	ND	23.2	25.1	108	70-130	
1,3-Dichloropropane	ug/kg	ND	23.2	31.5	136	70-130	M1
1,4-Dichlorobenzene	ug/kg	ND	23.2	25.0	108	70-130	
2,2-Dichloropropane	ug/kg	ND	23.2	25.8	111	70-130	
2-Butanone (MEK)	ug/kg	ND	46.5	73.3J	158	70-130	M1
2-Chlorotoluene	ug/kg	ND	23.2	26.7	115	70-130	
2-Hexanone	ug/kg	ND	46.5	79.7	171	70-130	M1
4-Chlorotoluene	ug/kg	ND	23.2	25.3	109	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	46.5	81.6	176	70-130	M1
Acetone	ug/kg	ND	46.5	91.4J	192	70-130	M1
Benzene	ug/kg	ND	23.2	26.0	112	50-166	
Bromobenzene	ug/kg	ND	23.2	27.2	117	70-130	

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

MATRIX SPIKE SAMPLE: 1444723		92246841002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromochloromethane	ug/kg	ND	23.2	29.7	128	70-130	
Bromodichloromethane	ug/kg	ND	23.2	24.9	107	70-130	
Bromoform	ug/kg	ND	23.2	27.1	117	70-130	
Bromomethane	ug/kg	ND	23.2	29.5	127	70-130	
Carbon tetrachloride	ug/kg	ND	23.2	23.9	103	70-130	
Chlorobenzene	ug/kg	ND	23.2	25.4	109	43-169	
Chloroethane	ug/kg	ND	23.2	27.5	119	70-130	
Chloroform	ug/kg	ND	23.2	24.8	107	70-130	
Chloromethane	ug/kg	ND	23.2	23.5	101	70-130	
cis-1,2-Dichloroethene	ug/kg	ND	23.2	27.8	120	70-130	
cis-1,3-Dichloropropene	ug/kg	ND	23.2	28.4	122	70-130	
Dibromochloromethane	ug/kg	ND	23.2	26.6	115	70-130	
Dibromomethane	ug/kg	ND	23.2	30.0	129	70-130	
Dichlorodifluoromethane	ug/kg	ND	23.2	20.3	87	70-130	
Diisopropyl ether	ug/kg	ND	23.2	29.0	125	70-130	
Ethylbenzene	ug/kg	ND	23.2	25.7	111	70-130	
Hexachloro-1,3-butadiene	ug/kg	ND	23.2	18.9	82	70-130	
Isopropylbenzene (Cumene)	ug/kg	ND	23.2	26.4	114	70-130	
m&p-Xylene	ug/kg	ND	46.5	49.2	106	70-130	
Methyl-tert-butyl ether	ug/kg	ND	23.2	33.8	145	70-130	M1
Methylene Chloride	ug/kg	ND	23.2	31.1	116	70-130	
n-Butylbenzene	ug/kg	ND	23.2	23.7	102	70-130	
n-Propylbenzene	ug/kg	ND	23.2	25.2	109	70-130	
Naphthalene	ug/kg	ND	23.2	37.2	160	70-130	M1
o-Xylene	ug/kg	ND	23.2	26.0	112	70-130	
p-Isopropyltoluene	ug/kg	ND	23.2	23.8	103	70-130	
sec-Butylbenzene	ug/kg	ND	23.2	25.4	109	70-130	
Styrene	ug/kg	ND	23.2	24.9	107	70-130	
tert-Butylbenzene	ug/kg	ND	23.2	23.7	102	70-130	
Tetrachloroethene	ug/kg	ND	23.2	23.3	100	70-130	
Toluene	ug/kg	ND	23.2	26.0	112	52-163	
trans-1,2-Dichloroethene	ug/kg	ND	23.2	25.7	111	70-130	
trans-1,3-Dichloropropene	ug/kg	ND	23.2	32.0	138	70-130	M1
Trichloroethene	ug/kg	ND	23.2	23.8	102	49-167	
Trichlorofluoromethane	ug/kg	ND	23.2	24.3	104	70-130	
Vinyl acetate	ug/kg	ND	46.5	167	359	70-130	M0
Vinyl chloride	ug/kg	ND	23.2	24.7	106	70-130	
1,2-Dichloroethane-d4 (S)	%				119	70-132	
4-Bromofluorobenzene (S)	%				102	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 1444722

Parameter	Units	92246709002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

SAMPLE DUPLICATE: 1444722

Parameter	Units	92246709002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,2-Trichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	
1,1-Dichloropropene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,3-Trichloropropane	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,4-Trimethylbenzene	ug/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichloroethane	ug/kg	ND	ND		30	
1,2-Dichloropropane	ug/kg	ND	ND		30	
1,3,5-Trimethylbenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	
1,3-Dichloropropane	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
2,2-Dichloropropane	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	ND	21.8J		30	
2-Chlorotoluene	ug/kg	ND	ND		30	
2-Hexanone	ug/kg	ND	ND		30	
4-Chlorotoluene	ug/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		30	
Acetone	ug/kg	281	106	91	30	D6
Benzene	ug/kg	ND	ND		30	
Bromobenzene	ug/kg	ND	ND		30	
Bromochloromethane	ug/kg	ND	ND		30	
Bromodichloromethane	ug/kg	ND	ND		30	
Bromoform	ug/kg	ND	ND		30	
Bromomethane	ug/kg	ND	ND		30	
Carbon tetrachloride	ug/kg	ND	ND		30	
Chlorobenzene	ug/kg	ND	ND		30	
Chloroethane	ug/kg	ND	ND		30	
Chloroform	ug/kg	ND	ND		30	
Chloromethane	ug/kg	ND	ND		30	
cis-1,2-Dichloroethene	ug/kg	ND	ND		30	
cis-1,3-Dichloropropene	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dibromomethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30	
Diisopropyl ether	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	
m&p-Xylene	ug/kg	ND	ND		30	

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

SAMPLE DUPLICATE: 1444722

Parameter	Units	92246709002 Result	Dup Result	RPD	Max RPD	Qualifiers
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	ND	ND		30	
n-Butylbenzene	ug/kg	ND	ND		30	
n-Propylbenzene	ug/kg	ND	ND		30	
Naphthalene	ug/kg	ND	ND		30	
o-Xylene	ug/kg	ND	ND		30	
p-Isopropyltoluene	ug/kg	ND	ND		30	
sec-Butylbenzene	ug/kg	ND	ND		30	
Styrene	ug/kg	ND	ND		30	
tert-Butylbenzene	ug/kg	ND	ND		30	
Tetrachloroethene	ug/kg	ND	ND		30	
Toluene	ug/kg	ND	4.1J		30	
trans-1,2-Dichloroethene	ug/kg	ND	ND		30	
trans-1,3-Dichloropropene	ug/kg	ND	ND		30	
Trichloroethene	ug/kg	ND	ND		30	
Trichlorofluoromethane	ug/kg	ND	ND		30	
Vinyl acetate	ug/kg	ND	ND		30	
Vinyl chloride	ug/kg	ND	ND		30	
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	151	129	18		
4-Bromofluorobenzene (S)	%	96	99	0		
Toluene-d8 (S)	%	107	103	6		

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

QC Batch: OEXT/34642 Analysis Method: EPA 8015 Modified
 QC Batch Method: EPA 3546 Analysis Description: 8015 Solid GCSV
 Associated Lab Samples: 92246759001, 92246759002, 92246759003, 92246759004

METHOD BLANK: 1445758 Matrix: Solid
 Associated Lab Samples: 92246759001, 92246759002, 92246759003, 92246759004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics(C10-C28)	mg/kg	ND	5.0	04/29/15 15:28	
n-Pentacosane (S)	%	84	41-119	04/29/15 15:28	

LABORATORY CONTROL SAMPLE & LCSD: 1445759

Parameter	Units	1445760								
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics(C10-C28)	mg/kg	66.7	57.4	59.8	86	90	49-113	4	30	
n-Pentacosane (S)	%				90	88	41-119			

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3
Pace Project No.: 92246759

QC Batch: OEXT/34585 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 92246759001, 92246759002

METHOD BLANK: 1443828 Matrix: Solid
Associated Lab Samples: 92246759001, 92246759002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	33.0	04/27/15 15:24	
PCB-1221 (Aroclor 1221)	ug/kg	ND	33.0	04/27/15 15:24	
PCB-1232 (Aroclor 1232)	ug/kg	ND	33.0	04/27/15 15:24	
PCB-1242 (Aroclor 1242)	ug/kg	ND	33.0	04/27/15 15:24	
PCB-1248 (Aroclor 1248)	ug/kg	ND	33.0	04/27/15 15:24	
PCB-1254 (Aroclor 1254)	ug/kg	ND	33.0	04/27/15 15:24	
PCB-1260 (Aroclor 1260)	ug/kg	ND	33.0	04/27/15 15:24	
Decachlorobiphenyl (S)	%	102	21-132	04/27/15 15:24	

LABORATORY CONTROL SAMPLE & LCSD: 1443829

Parameter	Units	Spike Conc.	1443830				% Rec Limits	RPD	Max RPD	Qualifiers
			LCS Result	LCSD Result	LCS % Rec	LCSD % Rec				
PCB-1016 (Aroclor 1016)	ug/kg	167	135	137	81	82	31-120	2	30	
PCB-1260 (Aroclor 1260)	ug/kg	167	141	151	85	90	32-120	6	30	
Decachlorobiphenyl (S)	%				105	107	21-132			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3
Pace Project No.: 92246759

QC Batch: OEXT/34649 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave PAH
Associated Lab Samples: 92246759005

METHOD BLANK: 1446051 Matrix: Solid
Associated Lab Samples: 92246759005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	330	04/30/15 09:28	
2-Methylnaphthalene	ug/kg	ND	330	04/30/15 09:28	
Acenaphthene	ug/kg	ND	330	04/30/15 09:28	
Acenaphthylene	ug/kg	ND	330	04/30/15 09:28	
Anthracene	ug/kg	ND	330	04/30/15 09:28	
Benzo(a)anthracene	ug/kg	ND	330	04/30/15 09:28	
Benzo(a)pyrene	ug/kg	ND	330	04/30/15 09:28	
Benzo(b)fluoranthene	ug/kg	ND	330	04/30/15 09:28	
Benzo(g,h,i)perylene	ug/kg	ND	330	04/30/15 09:28	
Benzo(k)fluoranthene	ug/kg	ND	330	04/30/15 09:28	
Chrysene	ug/kg	ND	330	04/30/15 09:28	
Dibenz(a,h)anthracene	ug/kg	ND	330	04/30/15 09:28	
Fluoranthene	ug/kg	ND	330	04/30/15 09:28	
Fluorene	ug/kg	ND	330	04/30/15 09:28	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	04/30/15 09:28	
Naphthalene	ug/kg	ND	330	04/30/15 09:28	
Phenanthrene	ug/kg	ND	330	04/30/15 09:28	
Pyrene	ug/kg	ND	330	04/30/15 09:28	
2-Fluorobiphenyl (S)	%	69	30-110	04/30/15 09:28	
Nitrobenzene-d5 (S)	%	74	23-110	04/30/15 09:28	
Terphenyl-d14 (S)	%	87	28-110	04/30/15 09:28	

LABORATORY CONTROL SAMPLE: 1446052

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	1670	1120	67	40-120	
2-Methylnaphthalene	ug/kg	1670	1000	60	26-120	
Acenaphthene	ug/kg	1670	1440	87	46-120	
Acenaphthylene	ug/kg	1670	1390	83	46-120	
Anthracene	ug/kg	1670	1480	89	63-120	
Benzo(a)anthracene	ug/kg	1670	1470	88	61-120	
Benzo(a)pyrene	ug/kg	1670	1470	88	59-120	
Benzo(b)fluoranthene	ug/kg	1670	1370	82	55-120	
Benzo(g,h,i)perylene	ug/kg	1670	1450	87	57-120	
Benzo(k)fluoranthene	ug/kg	1670	1420	85	56-120	
Chrysene	ug/kg	1670	1440	86	64-120	
Dibenz(a,h)anthracene	ug/kg	1670	1490	89	56-120	
Fluoranthene	ug/kg	1670	1580	95	61-120	
Fluorene	ug/kg	1670	1490	89	51-120	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1490	89	58-120	

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

LABORATORY CONTROL SAMPLE: 1446052

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	1670	1060	64	38-120	
Phenanthrene	ug/kg	1670	1430	86	62-120	
Pyrene	ug/kg	1670	1370	82	63-120	
2-Fluorobiphenyl (S)	%			76	30-110	
Nitrobenzene-d5 (S)	%			67	23-110	
Terphenyl-d14 (S)	%			91	28-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1446053 1446054

Parameter	Units	92247084002		1446053		1446054		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
1-Methylnaphthalene	ug/kg	ND	1900	1900	1220	1270	64	67	24-116	4	30			
2-Methylnaphthalene	ug/kg	ND	1900	1900	1100	1150	58	60	10-135	4	30			
Acenaphthene	ug/kg	ND	1900	1900	1480	1610	78	85	26-114	8	30			
Acenaphthylene	ug/kg	ND	1900	1900	1410	1510	74	80	32-108	7	30			
Anthracene	ug/kg	ND	1900	1900	1440	1610	76	85	32-111	11	30			
Benzo(a)anthracene	ug/kg	ND	1900	1900	1390	1590	73	84	25-117	14	30			
Benzo(a)pyrene	ug/kg	ND	1900	1900	1410	1620	74	85	25-106	14	30			
Benzo(b)fluoranthene	ug/kg	ND	1900	1900	1310	1510	69	79	24-110	14	30			
Benzo(g,h,i)perylene	ug/kg	ND	1900	1900	1330	1540	70	81	19-112	15	30			
Benzo(k)fluoranthene	ug/kg	ND	1900	1900	1360	1510	72	79	24-114	10	30			
Chrysene	ug/kg	ND	1900	1900	1370	1610	72	85	30-110	16	30			
Dibenz(a,h)anthracene	ug/kg	ND	1900	1900	1380	1600	73	84	23-111	15	30			
Fluoranthene	ug/kg	ND	1900	1900	1570	1760	82	93	33-109	12	30			
Fluorene	ug/kg	ND	1900	1900	1520	1660	80	87	32-113	9	30			
Indeno(1,2,3-cd)pyrene	ug/kg	ND	1900	1900	1370	1600	72	84	10-122	15	30			
Naphthalene	ug/kg	ND	1900	1900	1100	1160	58	61	25-110	5	30			
Phenanthrene	ug/kg	ND	1900	1900	1410	1590	74	84	30-114	12	30			
Pyrene	ug/kg	ND	1900	1900	1310	1490	69	79	25-116	13	30			
2-Fluorobiphenyl (S)	%						67	70	30-110					
Nitrobenzene-d5 (S)	%						58	63	23-110					
Terphenyl-d14 (S)	%						77	85	28-110					

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

QC Batch: PMST/7772

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 92246759001, 92246759002, 92246759003

SAMPLE DUPLICATE: 1443102

Parameter	Units	92246901001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.1	20.7	8	25	

SAMPLE DUPLICATE: 1443103

Parameter	Units	92246759003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.3	14.8	3	25	

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3
Pace Project No.: 92246759

QC Batch:	PMST/7774	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	92246759004		

SAMPLE DUPLICATE: 1443166

Parameter	Units	92246697001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.7	15.4	19	25	

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QUALITY CONTROL DATA

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

QC Batch:	PMST/7810	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	92246759006		

SAMPLE DUPLICATE: 1448171

Parameter	Units	92246694001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.5	20.9	12	25	

SAMPLE DUPLICATE: 1448172

Parameter	Units	92247841003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	23.0	21.8	6	25	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether, Styrene, and Vinyl chloride.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-A Pace Analytical Services - Asheville

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

1g	The internal standard response is below criteria. No hits associated with this internal standard. Results unaffected by high bias.
2g	The sample was weighed and preserved in the laboratory from a soil jar. Sample was not preserved within 48 hours.
D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
S5	Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buzzard Point, GW Rev3

Pace Project No.: 92246759

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92246759001	GSS-605-802-10-1	EPA 3546	OEXT/34642	EPA 8015 Modified	GCSV/21132
92246759002	GSS-605-802-12-1	EPA 3546	OEXT/34642	EPA 8015 Modified	GCSV/21132
92246759003	DP-001-S0-100-01	EPA 3546	OEXT/34642	EPA 8015 Modified	GCSV/21132
92246759004	DP-002-S0-100-01	EPA 3546	OEXT/34642	EPA 8015 Modified	GCSV/21132
92246759001	GSS-605-802-10-1	EPA 3546	OEXT/34585	EPA 8082	GCSV/21101
92246759002	GSS-605-802-12-1	EPA 3546	OEXT/34585	EPA 8082	GCSV/21101
92246759001	GSS-605-802-10-1	EPA 5035A/5030B	GCV/9275	EPA 8015 Modified	GCV/9285
92246759002	GSS-605-802-12-1	EPA 5035A/5030B	GCV/9275	EPA 8015 Modified	GCV/9285
92246759003	DP-001-S0-100-01	EPA 5035A/5030B	GCV/9275	EPA 8015 Modified	GCV/9285
92246759004	DP-002-S0-100-01	EPA 5035A/5030B	GCV/9275	EPA 8015 Modified	GCV/9285
92246759001	GSS-605-802-10-1	EPA 3050	MPRP/18359	EPA 6010	ICP/16481
92246759002	GSS-605-802-12-1	EPA 3050	MPRP/18359	EPA 6010	ICP/16481
92246759003	DP-001-S0-100-01	EPA 3050	MPRP/18359	EPA 6010	ICP/16481
92246759006	DP-002-S0-100-01	EPA 3050	MPRP/18359	EPA 6010	ICP/16481
92246759001	GSS-605-802-10-1	EPA 7471	MERP/7774	EPA 7471	MERC/7459
92246759002	GSS-605-802-12-1	EPA 7471	MERP/7782	EPA 7471	MERC/7467
92246759003	DP-001-S0-100-01	EPA 7471	MERP/7774	EPA 7471	MERC/7459
92246759006	DP-002-S0-100-01	EPA 7471	MERP/7774	EPA 7471	MERC/7459
92246759005	DP-002-S0-100-01	EPA 3546	OEXT/34649	EPA 8270	MSSV/10609
92246759003	DP-001-S0-100-01	EPA 8260	MSV/31398		
92246759005	DP-002-S0-100-01	EPA 8260	MSV/31363		
92246759001	GSS-605-802-10-1	ASTM D2974-87	PMST/7772		
92246759002	GSS-605-802-12-1	ASTM D2974-87	PMST/7772		
92246759003	DP-001-S0-100-01	ASTM D2974-87	PMST/7772		
92246759004	DP-002-S0-100-01	ASTM D2974-87	PMST/7774		
92246759005	DP-002-S0-100-01	ASTM D2974-87	PMST/7799		
92246759006	DP-002-S0-100-01	ASTM D2974-87	PMST/7810		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt (SCUR)

Document Number: F-CHR-CS-003-rev.15

Issuing Authority: Pace Huntersville Quality Office

Client Name: Haley & Aldrich, Inc

Carrier: FedEx UPS USPS Client Commercial Pace Other

Instody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used: IR Gun T1401 Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Temp Correction Factor T1401 No Correction

Corrected Cooler Temp.: 6.0 °C

Biological Tissue is Frozen: Yes No N/A

Date and Initials of person examining contents: MG, 4/27/15

		Comments:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Push Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: Field Data Required? Y / N
Person Contacted: _____ Date/Time: _____
Comments/ Resolution: _____

SCURF Review: Date: 042315
SRF Review: Date: 042315

WO#: 92246759

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.



Section A
Required Client Information:

Company: *Haley & Aldrich, Inc*
Address: *7926 Jones branch drive*
McLean, VA 22102
Email To: *dschneuwolf@haleyaldrich.com*
Phone: _____ Fax: _____
Requested Due Date/TAT: *Standard TAT*

Section B
Required Project Information:

Report To: *Dave Schneuwolf*
Copy To: _____
Purchase Order No.: _____
Project Name: *Buzzard Point GW*
Project Number: _____

Section C
Invoice Information:

Attention: _____
Company Name: _____
Address: _____
Purchase Order Reference: _____
Pace Project Manager: *nade.benjamin@pacelabs.com*
Pace Profile #: *7302-1*

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER _____

Site Location STATE: _____

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	RELINQUISHED BY / AFFILIATION		ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS
			COMPOSITE START	COMPOSITE END/GRAB			DATE	TIME	DATE	TIME			
1	<i>GTW-605-802-10-1</i>	DW	<i>04/21 12:36</i>		<i>G</i>	<i>SL</i>	<i>04/21 12:36</i>				<i>04/22 19:00</i>	<i>18:00</i>	
2	<i>GTW-605-802-10-1</i>	WT	<i>04/21 12:36</i>		<i>G</i>	<i>SL</i>	<i>04/21 12:36</i>				<i>04/22 09:40</i>	<i>09:40</i>	<i>Y</i>
3	<i>GTW-605-802-10-2</i>	WW	<i>04/21 12:36</i>		<i>G</i>	<i>SL</i>	<i>04/21 12:36</i>				<i>04/22 09:40</i>	<i>09:40</i>	<i>Y</i>
4	<i>GTW-605-802-10-3</i>	P	<i>04/21 12:36</i>		<i>G</i>	<i>SL</i>	<i>04/21 12:36</i>				<i>04/22 09:40</i>	<i>09:40</i>	<i>Y</i>
5	<i>GSS-605-802-12-2-1</i>	SL	<i>04/22 16:00</i>		<i>G</i>	<i>SL</i>	<i>04/22 16:00</i>				<i>04/22 09:40</i>	<i>09:40</i>	<i>Y</i>
6	<i>GSS-605-802-12-2-1</i>	OL	<i>04/22 16:00</i>		<i>G</i>	<i>SL</i>	<i>04/22 16:00</i>				<i>04/22 09:40</i>	<i>09:40</i>	<i>Y</i>
7	<i>GSS-605-802-12-2-2</i>	WP	<i>04/22 16:00</i>		<i>G</i>	<i>SL</i>	<i>04/22 16:00</i>				<i>04/22 09:40</i>	<i>09:40</i>	<i>Y</i>
8	<i>GSS-605-802-12-2-3</i>	AR	<i>04/22 16:00</i>		<i>G</i>	<i>SL</i>	<i>04/22 16:00</i>				<i>04/22 09:40</i>	<i>09:40</i>	<i>Y</i>
9	<i>DP-001-50-050-01</i>	TS	<i>04/22 13:30</i>		<i>G</i>	<i>SL</i>	<i>04/22 13:30</i>				<i>04/22 09:40</i>	<i>09:40</i>	<i>Y</i>
10	<i>DP-001-50-050-01</i>	OT	<i>04/22 13:30</i>		<i>G</i>	<i>SL</i>	<i>04/22 13:30</i>				<i>04/22 09:40</i>	<i>09:40</i>	<i>Y</i>
11	<i>DP-001-50-050-01</i>		<i>04/22 13:30</i>		<i>G</i>	<i>SL</i>	<i>04/22 13:30</i>				<i>04/22 09:40</i>	<i>09:40</i>	<i>Y</i>
12	<i>DP-001-50-050-01</i>		<i>04/22 13:30</i>		<i>G</i>	<i>SL</i>	<i>04/22 13:30</i>				<i>04/22 09:40</i>	<i>09:40</i>	<i>Y</i>

Requested Analysis Filtered (Y/N)

Analysis Test ↑

TPH-GRE TPH-DEO TPH-METALS PCBs by E082 VOCs by E260

Residual Chlorine (Y/N)

Preservatives

H₂SO₄ HNO₃ HCl NaOH Na₂S₂O₃ Methanol Other

OF CONTAINERS

9

Temp in °C

19.00

DATE SIGNED

04/22/15

PRINT Name of SAMPLER: *Christian Tschubel*

SIGNATURE of SAMPLER: *[Signature]*

DATE SIGNED (MM/DD/YYYY): *04/22/15*



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
 Required Client Information:
 Company: Haley & Aldrich, Inc
 Address: 7926 Jones branch drive
McLean, VA 22102
 Email To: dschneuwolf@haleyaldrich.com
 Phone: _____ Fax: _____
 Requested Due Date/TAT: Standard TAT

Section B
 Required Project Information:
 Report To: Dave Schenwolf
 Copy To: _____
 Purchase Order No.: _____
 Project Name: Buzzard Point GW
 Project Number: _____

Section C
 Invoice Information:
 Attention: _____
 Company Name: _____
 Address: _____
 Pace Quote Reference: _____
 Pace Project Manager: niedr, ben.jennin@pacelabs.com
 Pace Profile #: 1302-1

Page: 1 of 2
 Invoice Number: 1906771

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER _____

Site Location STATE: _____

ITEM #	Matrix Codes MATRIX L CODE Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Tissue Other	SAMPLE ID (A-Z, 0-9 / -)	SAMPLE TYPE (G=GRAB C=COMP) (see valid codes to left)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
				COMPOSITE START DATE TIME	COMPOSITE END/GRAB DATE TIME						
1		GTW-605-802-10-1	SL	04/21 12:36			9				92246759
2		GTW-605-802-10-1	SL	04/21 12:36			1				601
3		GTW-605-802-10-2	SL	04/21 12:36			1				
4		GTW-605-802-10-3	SL	04/21 12:36			1				
5		GSS-605-802-12-2-1	SL	04/22 16:00			6				
6		GSS-605-802-12-2-1	SL	04/22 16:00			1				
7		GSS-605-802-12-2-2	SL	04/22 16:00			1				
8		GSS-605-802-12-2-3	SL	04/22 16:00			1				
9		DP-001-50-050-01	SL	04/22 13:30			6				
10		DP-001-50-050-01	SL	04/22 13:30			1				
11		DP-001-50-050-01	SL	04/22 13:30			1				
12		DP-001-50-050-01	SL	04/22 13:30			1				

Additional Comments: 100

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS							
CARSTAN TSCHUBEL	04/22	18:00	PEPEX	04/22	19:00	Temp in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)				
			Mph Schubel Pace	04/22/15	09:40	0.0	Y	N	Y				

Signature of Sampler: Christian Tschenbel DATE Signed: 04/22/15
 Signature of Sampler: Stephan Tschenbel DATE Signed: 04/22/15



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 Of 2

Section A

Required Client Information:
 Company: Haley & Aldrich, Inc.
 Address: 7526 Jones Branch Dr
 Mc Lean, VA 22102
 Email: dschoenwolf@haleyaldrich.com
 Phone: NONE | Fax: |
 Requested Due Date:

Required Project Information:
 Report To: Dave Schoenwolf
 Copy To:
 Purchase Order #:
 Project Name: Buzzard Point GW
 Project #:

Invoice Information:
 Attention:
 Company Name:
 Address:
 Pace Quote:
 Pace Project Manager: nicole.benjamin@pacelabs.com,
 State / Location: DC
 Regulatory Agency:

Section B

Requested Analysis Filtered (Y/N)

Residual Chlorine (Y/N)	
Metals by 6010	
Metals by 6020	
SVOC 0270	
Trip Blank-HCL	
VOC by 8260 B	
GRO 8015	
DRO by 8015	

Section C

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		DATE	TIME	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Received on	Ice (Y/N)	Custody Sealed (Y/N)	Cooler (Y/N)	Samples Intact (Y/N)
			START	END													
1	DP-002-SO-020-01	SL	04/22	12:57	04/22	12:57	04/22	12:57	M. L. Schaefer	4/23/15	9:40	Y	Y				
2	DP-002-SO-020-01	SL	04/22	12:57	04/22	12:57	04/22	12:57									
3	DP-002-SO-050-01	SL	04/22	12:57	04/22	12:57	04/22	12:57									
4	DP-002-SO-050-01	SL	04/22	12:57	04/22	12:57	04/22	12:57									
5	DP-002-SO-050-01	SL	04/22	12:57	04/22	12:57	04/22	12:57									
6																	
7																	
8																	
9																	
10																	
11																	
12																	

May 27, 2015

Dana Kennard
Haley & Aldrich, Inc

RE: Project: Buzzard Point, Washington DC R1
Pace Project No.: 92247031

Dear Dana Kennard:

Enclosed are the analytical results for sample(s) received by the laboratory on April 24, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

This report was revised to report down to the MDL for all parameters.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Nicole Benjamin
nicole.benjamin@pacelabs.com
Project Manager

Enclosures

cc: Karin Holland
Pam Minor



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247031

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

Asheville Certification IDs

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247031

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92247031001	GTW-605-802-1-1	Solid	04/22/15 10:57	04/24/15 09:45
92247031002	GTW-605-802-2-1	Solid	04/22/15 09:15	04/24/15 09:45
92247031003	GSS-605-802-11-1	Solid	04/22/15 08:19	04/24/15 09:45
92247031004	GSS-605-802-12-2	Solid	04/22/15 16:00	04/24/15 09:45
92247031005	TRIP BLANK	Water	04/22/15 00:00	04/24/15 09:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247031

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92247031001	GTW-605-802-1-1	EPA 8015 Modified	CMI	2	PASI-C
		EPA 8082	SWB	8	PASI-C
		EPA 8015 Modified	BFW	2	PASI-C
		EPA 6010	JMW	22	PASI-A
		ASTM D2974-87	EJK	1	PASI-C
92247031002	GTW-605-802-2-1	EPA 8015 Modified	CMI	2	PASI-C
		EPA 8082	SWB	8	PASI-C
		EPA 8015 Modified	BFW	2	PASI-C
		EPA 6010	JMW	22	PASI-A
		ASTM D2974-87	EJK	1	PASI-C
92247031003	GSS-605-802-11-1	EPA 8015 Modified	CMI	2	PASI-C
		EPA 8082	SWB	8	PASI-C
		EPA 8015 Modified	BFW	2	PASI-C
		EPA 6010	JMW	22	PASI-A
		ASTM D2974-87	EJK	1	PASI-C
92247031004	GSS-605-802-12-2	EPA 8015 Modified	CMI	2	PASI-C
		EPA 8082	SWB	8	PASI-C
		EPA 8015 Modified	BFW	2	PASI-C
		EPA 6010	JMW	22	PASI-A
		ASTM D2974-87	EJK	1	PASI-C
92247031005	TRIP BLANK	EPA 8260	DLK	63	PASI-C

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Buzzard Point, Washington DC R1
Pace Project No.: 92247031

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92247031001	GTW-605-802-1-1					
EPA 6010	Aluminum	14400	mg/kg	114	04/29/15 21:40	
EPA 6010	Arsenic	4.2	mg/kg	1.1	04/29/15 15:46	
EPA 6010	Barium	104	mg/kg	0.57	04/29/15 15:46	
EPA 6010	Beryllium	0.92	mg/kg	0.11	04/29/15 15:46	
EPA 6010	Cadmium	0.11J	mg/kg	0.11	04/29/15 15:46	
EPA 6010	Calcium	1390	mg/kg	11.4	04/29/15 15:46	
EPA 6010	Chromium	16.9	mg/kg	0.57	04/29/15 15:46	
EPA 6010	Cobalt	8.3	mg/kg	0.57	04/29/15 15:46	
EPA 6010	Copper	27.1	mg/kg	0.57	04/29/15 15:46	
EPA 6010	Iron	26900	mg/kg	114	04/29/15 21:40	
EPA 6010	Lead	14.4	mg/kg	0.57	04/29/15 15:46	
EPA 6010	Magnesium	2790	mg/kg	11.4	04/29/15 15:46	
EPA 6010	Manganese	134	mg/kg	0.57	04/29/15 15:46	
EPA 6010	Nickel	17.3	mg/kg	0.57	04/29/15 15:46	
EPA 6010	Potassium	777	mg/kg	570	04/29/15 15:46	
EPA 6010	Vanadium	32.5	mg/kg	0.57	04/29/15 15:46	
EPA 6010	Zinc	51.5	mg/kg	1.1	04/29/15 15:46	
EPA 7471	Mercury	0.014	mg/kg	0.0048	04/28/15 13:44	
ASTM D2974-87	Percent Moisture	30.4	%	0.10	04/29/15 13:06	
92247031002	GTW-605-802-2-1					
EPA 8015 Modified	Diesel Range Organics(C10-C28)	135	mg/kg	6.8	05/01/15 20:41	
EPA 6010	Aluminum	7360	mg/kg	9.0	04/29/15 15:58	
EPA 6010	Arsenic	7.1	mg/kg	0.90	04/29/15 15:58	
EPA 6010	Barium	68.3	mg/kg	0.45	04/29/15 15:58	
EPA 6010	Beryllium	0.87	mg/kg	0.090	04/29/15 15:58	
EPA 6010	Cadmium	0.054J	mg/kg	0.090	04/29/15 15:58	
EPA 6010	Calcium	1830	mg/kg	9.0	04/29/15 15:58	
EPA 6010	Chromium	9.1	mg/kg	0.45	04/29/15 15:58	
EPA 6010	Cobalt	20.4	mg/kg	0.45	04/29/15 15:58	
EPA 6010	Copper	7.0	mg/kg	0.45	04/29/15 15:58	
EPA 6010	Iron	16000	mg/kg	90.1	04/29/15 21:43	
EPA 6010	Lead	14.8	mg/kg	0.45	04/29/15 15:58	
EPA 6010	Magnesium	672	mg/kg	9.0	04/29/15 15:58	
EPA 6010	Manganese	2310	mg/kg	4.5	04/29/15 21:43	
EPA 6010	Nickel	6.9	mg/kg	0.45	04/29/15 15:58	
EPA 6010	Potassium	517	mg/kg	450	04/29/15 15:58	
EPA 6010	Vanadium	22.2	mg/kg	0.45	04/29/15 15:58	
EPA 6010	Zinc	19.0	mg/kg	0.90	04/29/15 15:58	
EPA 7471	Mercury	0.049	mg/kg	0.0044	04/28/15 13:46	
ASTM D2974-87	Percent Moisture	26.0	%	0.10	04/29/15 13:06	
92247031003	GSS-605-802-11-1					
EPA 6010	Aluminum	10600	mg/kg	82.4	04/29/15 21:47	
EPA 6010	Arsenic	4.1	mg/kg	0.82	04/29/15 16:02	
EPA 6010	Barium	68.7	mg/kg	0.41	04/29/15 16:02	
EPA 6010	Beryllium	0.48	mg/kg	0.082	04/29/15 16:02	
EPA 6010	Cadmium	0.069J	mg/kg	0.082	04/29/15 16:02	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247031

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92247031003	GSS-605-802-11-1					
EPA 6010	Calcium	648	mg/kg	8.2	04/29/15 16:02	
EPA 6010	Chromium	15.0	mg/kg	0.41	04/29/15 16:02	
EPA 6010	Cobalt	3.4	mg/kg	0.41	04/29/15 16:02	
EPA 6010	Copper	12.6	mg/kg	0.41	04/29/15 16:02	
EPA 6010	Iron	21200	mg/kg	82.4	04/29/15 21:47	
EPA 6010	Lead	11.1	mg/kg	0.41	04/29/15 16:02	
EPA 6010	Magnesium	1560	mg/kg	8.2	04/29/15 16:02	
EPA 6010	Manganese	87.6	mg/kg	0.41	04/29/15 16:02	
EPA 6010	Nickel	7.9	mg/kg	0.41	04/29/15 16:02	
EPA 6010	Potassium	413	mg/kg	412	04/29/15 16:02	
EPA 6010	Vanadium	27.0	mg/kg	0.41	04/29/15 16:02	
EPA 6010	Zinc	26.4	mg/kg	0.82	04/29/15 16:02	
EPA 7471	Mercury	0.030	mg/kg	0.0052	04/28/15 13:48	
ASTM D2974-87	Percent Moisture	19.1	%	0.10	04/29/15 13:07	
92247031004	GSS-605-802-12-2					
EPA 8015 Modified	Diesel Range Organics(C10-C28)	25.2	mg/kg	6.3	05/01/15 04:04	
EPA 6010	Aluminum	10700	mg/kg	11.3	04/29/15 16:05	
EPA 6010	Arsenic	6.0	mg/kg	1.1	04/29/15 16:05	
EPA 6010	Barium	97.5	mg/kg	0.56	04/29/15 16:05	
EPA 6010	Beryllium	0.71	mg/kg	0.11	04/29/15 16:05	
EPA 6010	Cadmium	0.098J	mg/kg	0.11	04/29/15 16:05	
EPA 6010	Calcium	366	mg/kg	11.3	04/29/15 16:05	
EPA 6010	Chromium	12.9	mg/kg	0.56	04/29/15 16:05	
EPA 6010	Cobalt	10.8	mg/kg	0.56	04/29/15 16:05	
EPA 6010	Copper	16.2	mg/kg	0.56	04/29/15 16:05	
EPA 6010	Iron	25500	mg/kg	113	04/29/15 21:50	
EPA 6010	Lead	14.3	mg/kg	0.56	04/29/15 16:05	
EPA 6010	Magnesium	1800	mg/kg	11.3	04/29/15 16:05	
EPA 6010	Manganese	274	mg/kg	0.56	04/29/15 16:05	
EPA 6010	Nickel	11.4	mg/kg	0.56	04/29/15 16:05	
EPA 6010	Vanadium	27.2	mg/kg	0.56	04/29/15 16:05	
EPA 6010	Zinc	35.7	mg/kg	1.1	04/29/15 16:05	
EPA 7471	Mercury	0.0078	mg/kg	0.0044	04/28/15 13:51	
ASTM D2974-87	Percent Moisture	20.9	%	0.10	04/29/15 13:07	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247031

Sample: GTW-605-802-1-1 **Lab ID: 92247031001** Collected: 04/22/15 10:57 Received: 04/24/15 09:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546									
Diesel Range Organics(C10-C28)	ND	mg/kg	7.2	6.5	1	04/29/15 17:52	05/01/15 20:17		
Surrogates									
n-Pentacosane (S)	79	%	41-119		1	04/29/15 17:52	05/01/15 20:17	629-99-2	
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3546									
PCB-1016 (Aroclor 1016)	ND	ug/kg	47.4	21.6	1	04/29/15 09:00	04/29/15 19:21	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	47.4	21.6	1	04/29/15 09:00	04/29/15 19:21	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	47.4	21.6	1	04/29/15 09:00	04/29/15 19:21	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	47.4	21.6	1	04/29/15 09:00	04/29/15 19:21	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	47.4	21.6	1	04/29/15 09:00	04/29/15 19:21	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	47.4	21.6	1	04/29/15 09:00	04/29/15 19:21	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	47.4	21.6	1	04/29/15 09:00	04/29/15 19:21	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	60	%	21-132		1	04/29/15 09:00	04/29/15 19:21	2051-24-3	
Gasoline Range Organics									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B									
Gas Range Organics (C6-C10)	ND	mg/kg	8.6	8.6	1	05/01/15 09:17	05/01/15 19:06		
Surrogates									
4-Bromofluorobenzene (S)	146	%	70-167		1	05/01/15 09:17	05/01/15 19:06	460-00-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Aluminum	14400	mg/kg	114	57.0	10	04/28/15 16:00	04/29/15 21:40	7429-90-5	
Antimony	ND	mg/kg	0.57	0.44	1	04/28/15 16:00	04/29/15 15:46	7440-36-0	
Arsenic	4.2	mg/kg	1.1	0.57	1	04/28/15 16:00	04/29/15 15:46	7440-38-2	
Barium	104	mg/kg	0.57	0.29	1	04/28/15 16:00	04/29/15 15:46	7440-39-3	
Beryllium	0.92	mg/kg	0.11	0.057	1	04/28/15 16:00	04/29/15 15:46	7440-41-7	
Cadmium	0.11J	mg/kg	0.11	0.057	1	04/28/15 16:00	04/29/15 15:46	7440-43-9	
Calcium	1390	mg/kg	11.4	5.7	1	04/28/15 16:00	04/29/15 15:46	7440-70-2	
Chromium	16.9	mg/kg	0.57	0.29	1	04/28/15 16:00	04/29/15 15:46	7440-47-3	
Cobalt	8.3	mg/kg	0.57	0.29	1	04/28/15 16:00	04/29/15 15:46	7440-48-4	
Copper	27.1	mg/kg	0.57	0.29	1	04/28/15 16:00	04/29/15 15:46	7440-50-8	
Iron	26900	mg/kg	114	57.0	10	04/28/15 16:00	04/29/15 21:40	7439-89-6	
Lead	14.4	mg/kg	0.57	0.29	1	04/28/15 16:00	04/29/15 15:46	7439-92-1	
Magnesium	2790	mg/kg	11.4	0.29	1	04/28/15 16:00	04/29/15 15:46	7439-95-4	
Manganese	134	mg/kg	0.57	0.29	1	04/28/15 16:00	04/29/15 15:46	7439-96-5	
Nickel	17.3	mg/kg	0.57	0.29	1	04/28/15 16:00	04/29/15 15:46	7440-02-0	
Potassium	777	mg/kg	570	570	1	04/28/15 16:00	04/29/15 15:46	7440-09-7	
Selenium	ND	mg/kg	1.1	0.57	1	04/28/15 16:00	04/29/15 15:46	7782-49-2	
Silver	ND	mg/kg	0.57	0.29	1	04/28/15 16:00	04/29/15 15:46	7440-22-4	
Sodium	ND	mg/kg	570	285	1	04/28/15 16:00	04/29/15 15:46	7440-23-5	
Thallium	ND	mg/kg	1.1	0.57	1	04/28/15 16:00	04/29/15 15:46	7440-28-0	
Vanadium	32.5	mg/kg	0.57	0.29	1	04/28/15 16:00	04/29/15 15:46	7440-62-2	
Zinc	51.5	mg/kg	1.1	0.57	1	04/28/15 16:00	04/29/15 15:46	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247031

Sample: GTW-605-802-1-1 **Lab ID: 92247031001** Collected: 04/22/15 10:57 Received: 04/24/15 09:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.014	mg/kg	0.0048	0.000096	1	04/25/15 16:35	04/28/15 13:44	7439-97-6	
Analytical Method: ASTM D2974-87									
Percent Moisture									
Percent Moisture	30.4	%	0.10	0.10	1		04/29/15 13:06		

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R1

Project No.: 92247031

Sample: GTW-605-802-2-1 **Lab ID:** 92247031002 Collected: 04/22/15 09:15 Received: 04/24/15 09:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel									
Analytical Method: EPA 8015 Modified					Preparation Method: EPA 3546				
Diesel Range Organics(C10-C28)	135	mg/kg	6.8	6.1	1	04/29/15 17:52	05/01/15 20:41		
Surrogates									
n-Pentacosane (S)	109	%	41-119		1	04/29/15 17:52	05/01/15 20:41	629-99-2	
8082 GCS PCB									
Analytical Method: EPA 8082					Preparation Method: EPA 3546				
PCB-1016 (Aroclor 1016)	ND	ug/kg	223	101	5	04/29/15 09:00	04/29/15 19:42	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	223	101	5	04/29/15 09:00	04/29/15 19:42	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	223	101	5	04/29/15 09:00	04/29/15 19:42	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	223	101	5	04/29/15 09:00	04/29/15 19:42	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	223	101	5	04/29/15 09:00	04/29/15 19:42	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	223	101	5	04/29/15 09:00	04/29/15 19:42	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	223	101	5	04/29/15 09:00	04/29/15 19:42	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	0	%	21-132		5	04/29/15 09:00	04/29/15 19:42	2051-24-3	D3,S4
Gasoline Range Organics									
Analytical Method: EPA 8015 Modified					Preparation Method: EPA 5035A/5030B				
Gas Range Organics (C6-C10)	ND	mg/kg	8.0	8.0	1	05/01/15 09:17	05/01/15 21:10		
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-167		1	05/01/15 09:17	05/01/15 21:10	460-00-4	
6010 MET ICP									
Analytical Method: EPA 6010					Preparation Method: EPA 3050				
Aluminum	7360	mg/kg	9.0	4.5	1	04/28/15 16:00	04/29/15 15:58	7429-90-5	
Antimony	ND	mg/kg	0.45	0.35	1	04/28/15 16:00	04/29/15 15:58	7440-36-0	
Arsenic	7.1	mg/kg	0.90	0.45	1	04/28/15 16:00	04/29/15 15:58	7440-38-2	
Barium	68.3	mg/kg	0.45	0.23	1	04/28/15 16:00	04/29/15 15:58	7440-39-3	
Beryllium	0.87	mg/kg	0.090	0.045	1	04/28/15 16:00	04/29/15 15:58	7440-41-7	
Cadmium	0.054J	mg/kg	0.090	0.045	1	04/28/15 16:00	04/29/15 15:58	7440-43-9	
Calcium	1830	mg/kg	9.0	4.5	1	04/28/15 16:00	04/29/15 15:58	7440-70-2	
Chromium	9.1	mg/kg	0.45	0.23	1	04/28/15 16:00	04/29/15 15:58	7440-47-3	
Cobalt	20.4	mg/kg	0.45	0.23	1	04/28/15 16:00	04/29/15 15:58	7440-48-4	
Copper	7.0	mg/kg	0.45	0.23	1	04/28/15 16:00	04/29/15 15:58	7440-50-8	
Iron	16000	mg/kg	90.1	45.0	10	04/28/15 16:00	04/29/15 21:43	7439-89-6	
Lead	14.8	mg/kg	0.45	0.23	1	04/28/15 16:00	04/29/15 15:58	7439-92-1	
Magnesium	672	mg/kg	9.0	0.23	1	04/28/15 16:00	04/29/15 15:58	7439-95-4	
Manganese	2310	mg/kg	4.5	2.3	10	04/28/15 16:00	04/29/15 21:43	7439-96-5	
Nickel	6.9	mg/kg	0.45	0.23	1	04/28/15 16:00	04/29/15 15:58	7440-02-0	
Potassium	517	mg/kg	450	450	1	04/28/15 16:00	04/29/15 15:58	7440-09-7	
Selenium	ND	mg/kg	0.90	0.45	1	04/28/15 16:00	04/29/15 15:58	7782-49-2	
Silver	ND	mg/kg	0.45	0.23	1	04/28/15 16:00	04/29/15 15:58	7440-22-4	
Sodium	ND	mg/kg	450	225	1	04/28/15 16:00	04/29/15 15:58	7440-23-5	
Thallium	ND	mg/kg	0.90	0.45	1	04/28/15 16:00	04/29/15 15:58	7440-28-0	
Vanadium	22.2	mg/kg	0.45	0.23	1	04/28/15 16:00	04/29/15 15:58	7440-62-2	
Zinc	19.0	mg/kg	0.90	0.45	1	04/28/15 16:00	04/29/15 15:58	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247031

Sample: GTW-605-802-2-1 **Lab ID: 92247031002** Collected: 04/22/15 09:15 Received: 04/24/15 09:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.049	mg/kg	0.0044	0.000088	1	04/25/15 16:35	04/28/15 13:46	7439-97-6	
Analytical Method: ASTM D2974-87									
Percent Moisture									
Percent Moisture	26.0	%	0.10	0.10	1		04/29/15 13:06		

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247031

Sample: GSS-605-802-11-1 **Lab ID: 92247031003** Collected: 04/22/15 08:19 Received: 04/24/15 09:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546									
Diesel Range Organics(C10-C28)	ND	mg/kg	6.2	5.6	1	04/29/15 17:52	05/01/15 20:41		
Surrogates									
n-Pentacosane (S)	82	%	41-119		1	04/29/15 17:52	05/01/15 20:41	629-99-2	
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3546									
PCB-1016 (Aroclor 1016)	ND	ug/kg	40.8	18.5	1	04/29/15 09:00	04/29/15 20:02	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	40.8	18.5	1	04/29/15 09:00	04/29/15 20:02	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	40.8	18.5	1	04/29/15 09:00	04/29/15 20:02	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	40.8	18.5	1	04/29/15 09:00	04/29/15 20:02	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	40.8	18.5	1	04/29/15 09:00	04/29/15 20:02	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	40.8	18.5	1	04/29/15 09:00	04/29/15 20:02	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	40.8	18.5	1	04/29/15 09:00	04/29/15 20:02	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	83	%	21-132		1	04/29/15 09:00	04/29/15 20:02	2051-24-3	
Gasoline Range Organics									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B									
Gas Range Organics (C6-C10)	ND	mg/kg	7.4	7.4	1	05/01/15 09:17	05/01/15 21:36		
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-167		1	05/01/15 09:17	05/01/15 21:36	460-00-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Aluminum	10600	mg/kg	82.4	41.2	10	04/28/15 16:00	04/29/15 21:47	7429-90-5	
Antimony	ND	mg/kg	0.41	0.32	1	04/28/15 16:00	04/29/15 16:02	7440-36-0	
Arsenic	4.1	mg/kg	0.82	0.41	1	04/28/15 16:00	04/29/15 16:02	7440-38-2	
Barium	68.7	mg/kg	0.41	0.21	1	04/28/15 16:00	04/29/15 16:02	7440-39-3	
Beryllium	0.48	mg/kg	0.082	0.041	1	04/28/15 16:00	04/29/15 16:02	7440-41-7	
Cadmium	0.069J	mg/kg	0.082	0.041	1	04/28/15 16:00	04/29/15 16:02	7440-43-9	
Calcium	648	mg/kg	8.2	4.1	1	04/28/15 16:00	04/29/15 16:02	7440-70-2	
Chromium	15.0	mg/kg	0.41	0.21	1	04/28/15 16:00	04/29/15 16:02	7440-47-3	
Cobalt	3.4	mg/kg	0.41	0.21	1	04/28/15 16:00	04/29/15 16:02	7440-48-4	
Copper	12.6	mg/kg	0.41	0.21	1	04/28/15 16:00	04/29/15 16:02	7440-50-8	
Iron	21200	mg/kg	82.4	41.2	10	04/28/15 16:00	04/29/15 21:47	7439-89-6	
Lead	11.1	mg/kg	0.41	0.21	1	04/28/15 16:00	04/29/15 16:02	7439-92-1	
Magnesium	1560	mg/kg	8.2	0.21	1	04/28/15 16:00	04/29/15 16:02	7439-95-4	
Manganese	87.6	mg/kg	0.41	0.21	1	04/28/15 16:00	04/29/15 16:02	7439-96-5	
Nickel	7.9	mg/kg	0.41	0.21	1	04/28/15 16:00	04/29/15 16:02	7440-02-0	
Potassium	413	mg/kg	412	412	1	04/28/15 16:00	04/29/15 16:02	7440-09-7	
Selenium	ND	mg/kg	0.82	0.41	1	04/28/15 16:00	04/29/15 16:02	7782-49-2	
Silver	ND	mg/kg	0.41	0.21	1	04/28/15 16:00	04/29/15 16:02	7440-22-4	
Sodium	ND	mg/kg	412	206	1	04/28/15 16:00	04/29/15 16:02	7440-23-5	
Thallium	ND	mg/kg	0.82	0.41	1	04/28/15 16:00	04/29/15 16:02	7440-28-0	
Vanadium	27.0	mg/kg	0.41	0.21	1	04/28/15 16:00	04/29/15 16:02	7440-62-2	
Zinc	26.4	mg/kg	0.82	0.41	1	04/28/15 16:00	04/29/15 16:02	7440-66-6	

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247031

Sample: GSS-605-802-11-1 **Lab ID: 92247031003** Collected: 04/22/15 08:19 Received: 04/24/15 09:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.030	mg/kg	0.0052	0.00010	1	04/25/15 16:35	04/28/15 13:48	7439-97-6	
Analytical Method: ASTM D2974-87									
Percent Moisture									
Percent Moisture	19.1	%	0.10	0.10	1		04/29/15 13:07		

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R1

Lab Project No.: 92247031

Sample: GSS-605-802-12-2 **Lab ID: 92247031004** Collected: 04/22/15 16:00 Received: 04/24/15 09:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546									
Diesel Range Organics(C10-C28)	25.2	mg/kg	6.3	5.7	1	04/29/15 17:54	05/01/15 04:04		
Surrogates									
n-Pentacosane (S)	85	%	41-119		1	04/29/15 17:54	05/01/15 04:04	629-99-2	
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3546									
PCB-1016 (Aroclor 1016)	ND	ug/kg	417	190	10	04/29/15 09:00	04/29/15 20:23	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	417	190	10	04/29/15 09:00	04/29/15 20:23	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	417	190	10	04/29/15 09:00	04/29/15 20:23	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	417	190	10	04/29/15 09:00	04/29/15 20:23	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	417	190	10	04/29/15 09:00	04/29/15 20:23	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	417	190	10	04/29/15 09:00	04/29/15 20:23	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	417	190	10	04/29/15 09:00	04/29/15 20:23	11096-82-5	
Surrogates									
Decachlorobiphenyl (S)	0	%	21-132		10	04/29/15 09:00	04/29/15 20:23	2051-24-3	D3,S4
Gasoline Range Organics									
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B									
Gas Range Organics (C6-C10)	ND	mg/kg	7.6	7.6	1	05/01/15 09:17	05/01/15 22:02		
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-167		1	05/01/15 09:17	05/01/15 22:02	460-00-4	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Aluminum	10700	mg/kg	11.3	5.6	1	04/28/15 16:00	04/29/15 16:05	7429-90-5	
Antimony	ND	mg/kg	0.56	0.44	1	04/28/15 16:00	04/29/15 16:05	7440-36-0	
Arsenic	6.0	mg/kg	1.1	0.56	1	04/28/15 16:00	04/29/15 16:05	7440-38-2	
Barium	97.5	mg/kg	0.56	0.28	1	04/28/15 16:00	04/29/15 16:05	7440-39-3	
Beryllium	0.71	mg/kg	0.11	0.056	1	04/28/15 16:00	04/29/15 16:05	7440-41-7	
Cadmium	0.098J	mg/kg	0.11	0.056	1	04/28/15 16:00	04/29/15 16:05	7440-43-9	
Calcium	366	mg/kg	11.3	5.6	1	04/28/15 16:00	04/29/15 16:05	7440-70-2	
Chromium	12.9	mg/kg	0.56	0.28	1	04/28/15 16:00	04/29/15 16:05	7440-47-3	
Cobalt	10.8	mg/kg	0.56	0.28	1	04/28/15 16:00	04/29/15 16:05	7440-48-4	
Copper	16.2	mg/kg	0.56	0.28	1	04/28/15 16:00	04/29/15 16:05	7440-50-8	
Iron	25500	mg/kg	113	56.5	10	04/28/15 16:00	04/29/15 21:50	7439-89-6	
Lead	14.3	mg/kg	0.56	0.28	1	04/28/15 16:00	04/29/15 16:05	7439-92-1	
Magnesium	1800	mg/kg	11.3	0.28	1	04/28/15 16:00	04/29/15 16:05	7439-95-4	
Manganese	274	mg/kg	0.56	0.28	1	04/28/15 16:00	04/29/15 16:05	7439-96-5	
Nickel	11.4	mg/kg	0.56	0.28	1	04/28/15 16:00	04/29/15 16:05	7440-02-0	
Potassium	ND	mg/kg	565	565	1	04/28/15 16:00	04/29/15 16:05	7440-09-7	
Selenium	ND	mg/kg	1.1	0.56	1	04/28/15 16:00	04/29/15 16:05	7782-49-2	
Silver	ND	mg/kg	0.56	0.28	1	04/28/15 16:00	04/29/15 16:05	7440-22-4	
Sodium	ND	mg/kg	565	282	1	04/28/15 16:00	04/29/15 16:05	7440-23-5	
Thallium	ND	mg/kg	1.1	0.56	1	04/28/15 16:00	04/29/15 16:05	7440-28-0	
Vanadium	27.2	mg/kg	0.56	0.28	1	04/28/15 16:00	04/29/15 16:05	7440-62-2	
Zinc	35.7	mg/kg	1.1	0.56	1	04/28/15 16:00	04/29/15 16:05	7440-66-6	

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247031

Sample: GSS-605-802-12-2 **Lab ID: 92247031004** Collected: 04/22/15 16:00 Received: 04/24/15 09:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.0078	mg/kg	0.0044	0.000088	1	04/25/15 16:35	04/28/15 13:51	7439-97-6	
Analytical Method: ASTM D2974-87									
Percent Moisture									
Percent Moisture	20.9	%	0.10	0.10	1		04/29/15 13:07		

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R1

Sample Project No.: 92247031

Sample: TRIP BLANK **Lab ID: 92247031005** Collected: 04/22/15 00:00 Received: 04/24/15 09:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level Analytical Method: EPA 8260									
Acetone	ND	ug/L	25.0	10.0	1		05/02/15 07:15	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		05/02/15 07:15	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		05/02/15 07:15	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		05/02/15 07:15	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		05/02/15 07:15	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		05/02/15 07:15	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		05/02/15 07:15	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		05/02/15 07:15	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		05/02/15 07:15	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		05/02/15 07:15	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		05/02/15 07:15	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		05/02/15 07:15	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		05/02/15 07:15	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		05/02/15 07:15	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		05/02/15 07:15	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		05/02/15 07:15	96-12-8	L3
Dibromochloromethane	ND	ug/L	1.0	0.21	1		05/02/15 07:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		05/02/15 07:15	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		05/02/15 07:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		05/02/15 07:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		05/02/15 07:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		05/02/15 07:15	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		05/02/15 07:15	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		05/02/15 07:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		05/02/15 07:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		05/02/15 07:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		05/02/15 07:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		05/02/15 07:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		05/02/15 07:15	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		05/02/15 07:15	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		05/02/15 07:15	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		05/02/15 07:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		05/02/15 07:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		05/02/15 07:15	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		05/02/15 07:15	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/02/15 07:15	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		05/02/15 07:15	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.46	1		05/02/15 07:15	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		05/02/15 07:15	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		05/02/15 07:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		05/02/15 07:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		05/02/15 07:15	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		05/02/15 07:15	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		05/02/15 07:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		05/02/15 07:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		05/02/15 07:15	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247031

Sample: TRIP BLANK **Lab ID: 92247031005** Collected: 04/22/15 00:00 Received: 04/24/15 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level									
Analytical Method: EPA 8260									
Tetrachloroethene	ND	ug/L	1.0	0.46	1		05/02/15 07:15	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		05/02/15 07:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		05/02/15 07:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		05/02/15 07:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		05/02/15 07:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		05/02/15 07:15	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		05/02/15 07:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		05/02/15 07:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		05/02/15 07:15	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		05/02/15 07:15	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		05/02/15 07:15	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		05/02/15 07:15	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		05/02/15 07:15	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		05/02/15 07:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		05/02/15 07:15	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70-130		1		05/02/15 07:15	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		05/02/15 07:15	2037-26-5	

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247031

QC Batch: GCV/9284 Analysis Method: EPA 8015 Modified
 QC Batch Method: EPA 5035A/5030B Analysis Description: Gasoline Range Organics
 Associated Lab Samples: 92247031001, 92247031002, 92247031003, 92247031004

METHOD BLANK: 1448088 Matrix: Solid
 Associated Lab Samples: 92247031001, 92247031002, 92247031003, 92247031004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gas Range Organics (C6-C10)	mg/kg	ND	6.0	05/01/15 12:43	
4-Bromofluorobenzene (S)	%	112	70-167	05/01/15 12:43	

LABORATORY CONTROL SAMPLE: 1448089

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gas Range Organics (C6-C10)	mg/kg	50	61.3	123	70-165	
4-Bromofluorobenzene (S)	%			109	70-167	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1448090 1448091

Parameter	Units	92246998002		1448091		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Gas Range Organics (C6-C10)	mg/kg	ND	47.7	47.7	13.6	27	48	47-187	54	30	M3,R2
4-Bromofluorobenzene (S)	%					113	113	70-167			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1
Pace Project No.: 92247031

QC Batch: MERP/7774 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 92247031001, 92247031002, 92247031003, 92247031004

METHOD BLANK: 1443652 Matrix: Solid
Associated Lab Samples: 92247031001, 92247031002, 92247031003, 92247031004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	0.0021J	0.0050	04/28/15 13:06	

LABORATORY CONTROL SAMPLE: 1443653

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.070	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1443654 1443655

Parameter	Units	92246759001		MS		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Mercury	mg/kg	0.40	.067	.059	0.61	0.52	318	214	75-125	15	20	M6		

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247031

QC Batch: MPRP/18359 Analysis Method: EPA 6010
 QC Batch Method: EPA 3050 Analysis Description: 6010 MET
 Associated Lab Samples: 92247031001, 92247031002, 92247031003, 92247031004

METHOD BLANK: 1444919 Matrix: Solid
 Associated Lab Samples: 92247031001, 92247031002, 92247031003, 92247031004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	ND	10.0	04/29/15 16:46	
Antimony	mg/kg	ND	0.50	04/29/15 16:46	
Arsenic	mg/kg	ND	1.0	04/29/15 16:46	
Barium	mg/kg	ND	0.50	04/29/15 16:46	
Beryllium	mg/kg	ND	0.10	04/29/15 16:46	
Cadmium	mg/kg	ND	0.10	04/29/15 16:46	
Calcium	mg/kg	ND	10.0	04/29/15 16:46	
Chromium	mg/kg	ND	0.50	04/29/15 16:46	
Cobalt	mg/kg	ND	0.50	04/29/15 16:46	
Copper	mg/kg	ND	0.50	04/29/15 16:46	
Iron	mg/kg	ND	10.0	04/29/15 16:46	
Lead	mg/kg	ND	0.50	04/29/15 16:46	
Magnesium	mg/kg	0.45J	10.0	04/29/15 16:46	
Manganese	mg/kg	0.31J	0.50	04/29/15 16:46	
Nickel	mg/kg	ND	0.50	04/29/15 16:46	
Potassium	mg/kg	ND	500	04/29/15 16:46	
Selenium	mg/kg	ND	1.0	04/29/15 16:46	
Silver	mg/kg	ND	0.50	04/29/15 16:46	
Sodium	mg/kg	ND	500	04/29/15 16:46	
Thallium	mg/kg	ND	1.0	04/29/15 16:46	
Vanadium	mg/kg	ND	0.50	04/29/15 16:46	
Zinc	mg/kg	ND	1.0	04/29/15 16:46	

LABORATORY CONTROL SAMPLE: 1444920

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	500	466	93	80-120	
Antimony	mg/kg	50	48.8	98	80-120	
Arsenic	mg/kg	50	46.4	93	80-120	
Barium	mg/kg	50	46.7	93	80-120	
Beryllium	mg/kg	50	46.3	93	80-120	
Cadmium	mg/kg	50	47.3	95	80-120	
Calcium	mg/kg	500	456	91	80-120	
Chromium	mg/kg	50	46.1	92	80-120	
Cobalt	mg/kg	50	47.2	94	80-120	
Copper	mg/kg	50	47.7	95	80-120	
Iron	mg/kg	500	463	93	80-120	
Lead	mg/kg	50	47.0	94	80-120	
Magnesium	mg/kg	500	456	91	80-120	
Manganese	mg/kg	50	45.5	91	80-120	

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247031

LABORATORY CONTROL SAMPLE: 1444920

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	mg/kg	50	46.3	93	80-120	
Potassium	mg/kg	500	ND	94	80-120	
Selenium	mg/kg	50	47.2	94	80-120	
Silver	mg/kg	25	23.5	94	80-120	
Sodium	mg/kg	500	467J	93	80-120	
Thallium	mg/kg	50	46.5	93	80-120	
Vanadium	mg/kg	50	46.0	92	80-120	
Zinc	mg/kg	50	45.9	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1444921 1444922

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result								
Aluminum	mg/kg	3910	269	253	5120	2910	452	-396	75-125	55	20	M1,R1	
Antimony	mg/kg	ND	26.9	25.3	14.0	12.9	51	50	75-125	8	20	M1	
Arsenic	mg/kg	25.8	26.9	25.3	40.2	36.0	54	40	75-125	11	20	M1	
Barium	mg/kg	89.4	26.9	25.3	377	45.3	1068	-175	75-125	157	20	M1,R1	
Beryllium	mg/kg	0.89	26.9	25.3	24.0	22.6	86	86	75-125	6	20		
Cadmium	mg/kg	0.11	26.9	25.3	24.1	22.8	89	90	75-125	6	20		
Calcium	mg/kg	2060	269	253	1910	1250	-59	-323	75-125	42	20	M1,R1	
Chromium	mg/kg	2.3	26.9	25.3	26.5	23.6	90	84	75-125	11	20		
Cobalt	mg/kg	0.62	26.9	25.3	33.5	22.9	122	88	75-125	38	20	R1	
Copper	mg/kg	5.5	26.9	25.3	35.6	28.1	112	89	75-125	24	20	R1	
Iron	mg/kg	5160	269	253	4720	3100	-161	-816	75-125	42	20	M1,R1	
Lead	mg/kg	5.3	26.9	25.3	28.8	26.2	87	83	75-125	10	20		
Magnesium	mg/kg	833	269	253	1040	706	77	-50	75-125	38	20	M1,R1	
Manganese	mg/kg	17.5	26.9	25.3	1170	31.1	4305	54	75-125	190	20	M1,R1	
Nickel	mg/kg	3.3	26.9	25.3	29.4	23.9	97	81	75-125	21	20	R1	
Potassium	mg/kg	943	269	253	1150	775	78	-67	75-125	39	20	M1,R1	
Selenium	mg/kg	ND	26.9	25.3	22.9	22.2	85	88	75-125	3	20		
Silver	mg/kg	ND	13.4	12.6	12.0	11.3	89	90	75-125	6	20		
Sodium	mg/kg	720	269	253	903	646	68	-29	75-125	33	20	M1,R1	
Thallium	mg/kg	ND	26.9	25.3	21.6	20.7	80	82	75-125	4	20		
Vanadium	mg/kg	8.5	26.9	25.3	43.6	28.9	130	81	75-125	41	20	M1,R1	
Zinc	mg/kg	17.7	26.9	25.3	46.0	33.9	105	64	75-125	30	20	M1,R1	

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247031

QC Batch: MSV/31477

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV Low Level

Associated Lab Samples: 92247031005

METHOD BLANK: 1448686

Matrix: Water

Associated Lab Samples: 92247031005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/02/15 02:59	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/02/15 02:59	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/02/15 02:59	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/02/15 02:59	
1,1-Dichloroethane	ug/L	ND	1.0	05/02/15 02:59	
1,1-Dichloroethene	ug/L	ND	1.0	05/02/15 02:59	
1,1-Dichloropropene	ug/L	ND	1.0	05/02/15 02:59	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	05/02/15 02:59	
1,2,3-Trichloropropane	ug/L	ND	1.0	05/02/15 02:59	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/02/15 02:59	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	05/02/15 02:59	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/02/15 02:59	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/02/15 02:59	
1,2-Dichloroethane	ug/L	ND	1.0	05/02/15 02:59	
1,2-Dichloropropane	ug/L	ND	1.0	05/02/15 02:59	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/02/15 02:59	
1,3-Dichloropropane	ug/L	ND	1.0	05/02/15 02:59	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/02/15 02:59	
2,2-Dichloropropane	ug/L	ND	1.0	05/02/15 02:59	
2-Butanone (MEK)	ug/L	ND	5.0	05/02/15 02:59	
2-Chlorotoluene	ug/L	ND	1.0	05/02/15 02:59	
2-Hexanone	ug/L	ND	5.0	05/02/15 02:59	
4-Chlorotoluene	ug/L	ND	1.0	05/02/15 02:59	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	05/02/15 02:59	
Acetone	ug/L	ND	25.0	05/02/15 02:59	
Benzene	ug/L	ND	1.0	05/02/15 02:59	
Bromobenzene	ug/L	ND	1.0	05/02/15 02:59	
Bromochloromethane	ug/L	ND	1.0	05/02/15 02:59	
Bromodichloromethane	ug/L	ND	1.0	05/02/15 02:59	
Bromoform	ug/L	ND	1.0	05/02/15 02:59	
Bromomethane	ug/L	ND	2.0	05/02/15 02:59	
Carbon tetrachloride	ug/L	ND	1.0	05/02/15 02:59	
Chlorobenzene	ug/L	ND	1.0	05/02/15 02:59	
Chloroethane	ug/L	ND	1.0	05/02/15 02:59	
Chloroform	ug/L	ND	1.0	05/02/15 02:59	
Chloromethane	ug/L	ND	1.0	05/02/15 02:59	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/02/15 02:59	
cis-1,3-Dichloropropene	ug/L	ND	1.0	05/02/15 02:59	
Dibromochloromethane	ug/L	ND	1.0	05/02/15 02:59	
Dibromomethane	ug/L	ND	1.0	05/02/15 02:59	
Dichlorodifluoromethane	ug/L	ND	1.0	05/02/15 02:59	

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247031

METHOD BLANK: 1448686

Matrix: Water

Associated Lab Samples: 92247031005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	ND	1.0	05/02/15 02:59	
Ethylbenzene	ug/L	ND	1.0	05/02/15 02:59	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	05/02/15 02:59	
m&p-Xylene	ug/L	ND	2.0	05/02/15 02:59	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/02/15 02:59	
Methylene Chloride	ug/L	ND	2.0	05/02/15 02:59	
Naphthalene	ug/L	ND	1.0	05/02/15 02:59	
o-Xylene	ug/L	ND	1.0	05/02/15 02:59	
p-Isopropyltoluene	ug/L	ND	1.0	05/02/15 02:59	
Styrene	ug/L	ND	1.0	05/02/15 02:59	
Tetrachloroethene	ug/L	ND	1.0	05/02/15 02:59	
Toluene	ug/L	ND	1.0	05/02/15 02:59	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/02/15 02:59	
trans-1,3-Dichloropropene	ug/L	ND	1.0	05/02/15 02:59	
Trichloroethene	ug/L	ND	1.0	05/02/15 02:59	
Trichlorofluoromethane	ug/L	ND	1.0	05/02/15 02:59	
Vinyl acetate	ug/L	ND	2.0	05/02/15 02:59	
Vinyl chloride	ug/L	ND	1.0	05/02/15 02:59	
Xylene (Total)	ug/L	ND	2.0	05/02/15 02:59	
1,2-Dichloroethane-d4 (S)	%	114	70-130	05/02/15 02:59	
4-Bromofluorobenzene (S)	%	97	70-130	05/02/15 02:59	
Toluene-d8 (S)	%	104	70-130	05/02/15 02:59	

LABORATORY CONTROL SAMPLE: 1448687

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.1	106	70-130	
1,1,1-Trichloroethane	ug/L	50	49.5	99	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	56.2	112	70-130	
1,1,2-Trichloroethane	ug/L	50	49.8	100	70-130	
1,1-Dichloroethane	ug/L	50	52.2	104	70-130	
1,1-Dichloroethene	ug/L	50	47.3	95	70-132	
1,1-Dichloropropene	ug/L	50	55.3	111	70-130	
1,2,3-Trichlorobenzene	ug/L	50	57.6	115	70-135	
1,2,3-Trichloropropane	ug/L	50	55.9	112	70-130	
1,2,4-Trichlorobenzene	ug/L	50	56.6	113	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	65.4	131	70-130	LO
1,2-Dibromoethane (EDB)	ug/L	50	56.8	114	70-130	
1,2-Dichlorobenzene	ug/L	50	56.7	113	70-130	
1,2-Dichloroethane	ug/L	50	50.8	102	70-130	
1,2-Dichloropropane	ug/L	50	51.7	103	70-130	
1,3-Dichlorobenzene	ug/L	50	56.5	113	70-130	
1,3-Dichloropropane	ug/L	50	56.7	113	70-130	
1,4-Dichlorobenzene	ug/L	50	54.1	108	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247031

LABORATORY CONTROL SAMPLE: 1448687

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	47.1	94	58-145	
2-Butanone (MEK)	ug/L	100	119	119	70-145	
2-Chlorotoluene	ug/L	50	58.0	116	70-130	
2-Hexanone	ug/L	100	134	134	70-144	
4-Chlorotoluene	ug/L	50	58.2	116	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	114	114	70-140	
Acetone	ug/L	100	117	117	50-175	
Benzene	ug/L	50	49.2	98	70-130	
Bromobenzene	ug/L	50	61.8	124	70-130	
Bromochloromethane	ug/L	50	56.7	113	70-130	
Bromodichloromethane	ug/L	50	44.6	89	70-130	
Bromoform	ug/L	50	44.2	88	70-130	
Bromomethane	ug/L	50	46.1	92	54-130	
Carbon tetrachloride	ug/L	50	48.2	96	70-132	
Chlorobenzene	ug/L	50	51.7	103	70-130	
Chloroethane	ug/L	50	44.6	89	64-134	
Chloroform	ug/L	50	47.3	95	70-130	
Chloromethane	ug/L	50	48.3	97	64-130	
cis-1,2-Dichloroethene	ug/L	50	53.8	108	70-131	
cis-1,3-Dichloropropene	ug/L	50	51.7	103	70-130	
Dibromochloromethane	ug/L	50	49.9	100	70-130	
Dibromomethane	ug/L	50	44.1	88	70-131	
Dichlorodifluoromethane	ug/L	50	42.1	84	56-130	
Diisopropyl ether	ug/L	50	58.3	117	70-130	
Ethylbenzene	ug/L	50	52.9	106	70-130	
Hexachloro-1,3-butadiene	ug/L	50	52.3	105	70-130	
m&p-Xylene	ug/L	100	107	107	70-130	
Methyl-tert-butyl ether	ug/L	50	51.9	104	70-130	
Methylene Chloride	ug/L	50	59.3	119	63-130	
Naphthalene	ug/L	50	63.9	128	70-138	
o-Xylene	ug/L	50	53.6	107	70-130	
p-Isopropyltoluene	ug/L	50	58.5	117	70-130	
Styrene	ug/L	50	53.9	108	70-130	
Tetrachloroethene	ug/L	50	47.2	94	70-130	
Toluene	ug/L	50	47.1	94	70-130	
trans-1,2-Dichloroethene	ug/L	50	50.0	100	70-130	
trans-1,3-Dichloropropene	ug/L	50	50.3	101	70-132	
Trichloroethene	ug/L	50	45.4	91	70-130	
Trichlorofluoromethane	ug/L	50	43.8	88	62-133	
Vinyl acetate	ug/L	100	123	123	66-157	
Vinyl chloride	ug/L	50	50.1	100	50-150	
Xylene (Total)	ug/L	150	160	107	70-130	
1,2-Dichloroethane-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			90	70-130	
Toluene-d8 (S)	%			100	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247031

QC Batch: OEXT/34668 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 3546 Analysis Description: 8015 Solid GCSV
Associated Lab Samples: 92247031001, 92247031002, 92247031003

METHOD BLANK: 1446671 Matrix: Solid

Associated Lab Samples: 92247031001, 92247031002, 92247031003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics(C10-C28)	mg/kg	ND	5.0	05/01/15 06:50	
n-Pentacosane (S)	%	80	41-119	05/01/15 06:50	

LABORATORY CONTROL SAMPLE: 1446672

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Range Organics(C10-C28)	mg/kg	66.7	56.2	84	49-113	
n-Pentacosane (S)	%			84	41-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1446673 1446674

Parameter	Units	92246841001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Diesel Range Organics(C10-C28)	mg/kg	59100	89.6	89.6	52400	48000	-7445	-12321	10-146	9	30	M3,P3	
n-Pentacosane (S)	%						617	600	41-119			S5	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247031

QC Batch:	OEXT/34669	Analysis Method:	EPA 8015 Modified
QC Batch Method:	EPA 3546	Analysis Description:	8015 Solid GCSV
Associated Lab Samples:	92247031004		

METHOD BLANK: 1446675 Matrix: Solid

Associated Lab Samples: 92247031004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics(C10-C28)	mg/kg	ND	5.0	04/30/15 12:29	
n-Pentacosane (S)	%	86	41-119	04/30/15 12:29	

LABORATORY CONTROL SAMPLE: 1446676

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Range Organics(C10-C28)	mg/kg	66.7	51.7	78	49-113	
n-Pentacosane (S)	%			84	41-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1446677 1446678

Parameter	Units	92247031004		1446677		1446678		% Rec Limits	RPD	Max RPD	Qual	
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec					MSD % Rec
Diesel Range Organics(C10-C28)	mg/kg	25.2	84.4	84.4	58.2	64.7	39	47	10-146	11	30	
n-Pentacosane (S)	%						72	78	41-119			

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247031

QC Batch: OEXT/34639 Analysis Method: EPA 8082
 QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
 Associated Lab Samples: 92247031001, 92247031002, 92247031003, 92247031004

METHOD BLANK: 1445648 Matrix: Solid
 Associated Lab Samples: 92247031001, 92247031002, 92247031003, 92247031004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	33.0	04/30/15 06:00	
PCB-1221 (Aroclor 1221)	ug/kg	ND	33.0	04/30/15 06:00	
PCB-1232 (Aroclor 1232)	ug/kg	ND	33.0	04/30/15 06:00	
PCB-1242 (Aroclor 1242)	ug/kg	ND	33.0	04/30/15 06:00	
PCB-1248 (Aroclor 1248)	ug/kg	ND	33.0	04/30/15 06:00	
PCB-1254 (Aroclor 1254)	ug/kg	ND	33.0	04/30/15 06:00	
PCB-1260 (Aroclor 1260)	ug/kg	ND	33.0	04/30/15 06:00	
Decachlorobiphenyl (S)	%	94	21-132	04/30/15 06:00	

LABORATORY CONTROL SAMPLE & LCSD: 1445649

1445651

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	124	134	74	80	31-120	8	30	
PCB-1260 (Aroclor 1260)	ug/kg	167	137	150	82	90	32-120	9	30	
Decachlorobiphenyl (S)	%				102	106	21-132			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1
Pace Project No.: 92247031

QC Batch: PMST/7788 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92247031001, 92247031002, 92247031003, 92247031004

SAMPLE DUPLICATE: 1445230

Parameter	Units	92247031001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	30.4	29.5	3	25	

SAMPLE DUPLICATE: 1445231

Parameter	Units	92247219006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	25.0	23.4	7	25	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247031

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether, Styrene, and Vinyl chloride.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-A Pace Analytical Services - Asheville

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

P3 Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.

R1 RPD value was outside control limits.

R2 RPD value was outside control limits due to matrix interference

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

S5 Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buzzard Point, Washington DC R1
Pace Project No.: 92247031

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92247031001	GTW-605-802-1-1	EPA 3546	OEXT/34668	EPA 8015 Modified	GCSV/21148
92247031002	GTW-605-802-2-1	EPA 3546	OEXT/34668	EPA 8015 Modified	GCSV/21148
92247031003	GSS-605-802-11-1	EPA 3546	OEXT/34668	EPA 8015 Modified	GCSV/21148
92247031004	GSS-605-802-12-2	EPA 3546	OEXT/34669	EPA 8015 Modified	GCSV/21138
92247031001	GTW-605-802-1-1	EPA 3546	OEXT/34639	EPA 8082	GCSV/21133
92247031002	GTW-605-802-2-1	EPA 3546	OEXT/34639	EPA 8082	GCSV/21133
92247031003	GSS-605-802-11-1	EPA 3546	OEXT/34639	EPA 8082	GCSV/21133
92247031004	GSS-605-802-12-2	EPA 3546	OEXT/34639	EPA 8082	GCSV/21133
92247031001	GTW-605-802-1-1	EPA 5035A/5030B	GCV/9284	EPA 8015 Modified	GCV/9287
92247031002	GTW-605-802-2-1	EPA 5035A/5030B	GCV/9284	EPA 8015 Modified	GCV/9287
92247031003	GSS-605-802-11-1	EPA 5035A/5030B	GCV/9284	EPA 8015 Modified	GCV/9287
92247031004	GSS-605-802-12-2	EPA 5035A/5030B	GCV/9284	EPA 8015 Modified	GCV/9287
92247031001	GTW-605-802-1-1	EPA 3050	MPRP/18359	EPA 6010	ICP/16481
92247031002	GTW-605-802-2-1	EPA 3050	MPRP/18359	EPA 6010	ICP/16481
92247031003	GSS-605-802-11-1	EPA 3050	MPRP/18359	EPA 6010	ICP/16481
92247031004	GSS-605-802-12-2	EPA 3050	MPRP/18359	EPA 6010	ICP/16481
92247031005	TRIP BLANK	EPA 8260	MSV/31477		
92247031001	GTW-605-802-1-1	ASTM D2974-87	PMST/7788		
92247031002	GTW-605-802-2-1	ASTM D2974-87	PMST/7788		
92247031003	GSS-605-802-11-1	ASTM D2974-87	PMST/7788		
92247031004	GSS-605-802-12-2	ASTM D2974-87	PMST/7788		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt (SCUR)
 Document Number:
F-CHR-CS-003-rev.15

Page 1 of 2
 Issuing Authority:
 Pace Huntersville Quality Office

Client Name: Haley & Aldrich

Carrier: Fed Ex UPS USPS Client Commercial Pace Other _____

Warranty Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used: IR Gun T1401 Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Temp Correction Factor T1401 No Correction

Corrected Cooler Temp.: 5.3 °C

Biological Tissue is Frozen: Yes No N/A

Date and initials of person examining contents: AP 4-24-15

	Yes	No	N/A	Comments:
Chain of Custody Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.
Chain of Custody Filled Out:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.
Chain of Custody Relinquished:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3.
Sampler Name & Signature on COC:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4.
Samples Arrived within Hold Time:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.
Push Turn Around Time Requested:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7.
Sufficient Volume:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.
Correct Containers Used:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9.
Pace Containers Used:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Containers Intact:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	11.
Sample Labels match COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12.
-Includes date/time/ID/Analysis Matrix:				
If containers needing preservation have been checked.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	13.
If containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Exceptions: VQA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Samples checked for dechlorination:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	14.
Leadspace in VOA Vials (>6mm):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	15.
Trip Blank Present:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16.
Trip Blank Custody Seals Present	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pace Trip Blank Lot # (if purchased):				

Client Notification/ Resolution: _____ Field Data Required? Y / N
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

SCURF Review: (NS) Date: 042415
 SRF Review: (NS) Date: 042715

Please label here
WO# : 92247031



Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Haley & Aldrich, Inc.		Report To: Dave Schoenwolf		Page: 1 of 2	
Address: 7926 Jones Branch Dr.		Copy To:		1906572	
McLean, VA 22102		Purchase Order No.:		REGULATORY AGENCY	
Email To: dschoenwolf@haleyaldrich.com		Project Name: Buzzard Point GW		NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER	
Phone:		Project Number:		UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input type="checkbox"/>	
Requested Due Date/TAT: Standard TAT		Matrix Code: SL		Site Location STATE:	
Matrix Codes: DW, WT, WW, P, SL, OL, WP, AR, TS, OT		SAMPLE TYPE (G=GRAB C=COMP)		Requested Analysis Filtered (Y/N)	

ITEM #	Section D Required Client Information	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test ↑	Y/N	UNPRESERVED	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
		COMPOSITE START	COMPOSITE END/GRAB										
1	G1TW-605-802-1-1	DATE: 04/22	TIME: 10:57		6	H2SO4, HNO3, HCl, NaOH, Na2S2O8, Methanol, Other	TPH-GPO, TPH-DPO, TAL METALS, PCBs by RCRA	X	X	FEDEX	04/22	9:00	
2	G1TW-605-802-1-1	DATE: 04/22	TIME: 10:57		1			X	X				
3	G1TW-605-802-1-1	DATE: 04/22	TIME: 10:57		1			X	X				
4	G1TW-605-802-1-1	DATE: 04/22	TIME: 09:15		6			X	X				
5	G1TW-605-802-2-1	DATE: 04/22	TIME: 09:15		1			X	X				
6	G1TW-605-802-2-1	DATE: 04/22	TIME: 09:15		1			X	X				
7	G1TW-605-802-2-1	DATE: 04/22	TIME: 09:15		1			X	X				
8	G1TW-605-802-2-1	DATE: 04/22	TIME: 08:19		6			X	X				
9	G5S-605-802-11-1	DATE: 04/22	TIME: 08:19		1			X	X				
10	G5S-605-802-11-1	DATE: 04/22	TIME: 08:19		1			X	X				
11	G5S-605-802-11-2	DATE: 04/22	TIME: 08:19		1			X	X				
12	G5S-605-802-11-3	DATE: 04/22	TIME: 08:19		1			X	X				

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Temp in °C	Received on Ice (Y/N)	Sealed Cooler (Y/N)	Samples Intact (Y/N)
		CHRISTIAN TSCHUBER	04/22	18:00	FEDEX	04/22	9:00				
					ARMY PER PAY	4-24-15	9:45	5.3			
ORIGINAL		SAMPLER NAME AND SIGNATURE		PRINT Name of SAMPLER:		DATE Signed (MM/DD/YYYY):					
		CHRISTIAN TSCHUBER		CHRISTIAN TSCHUBER		04/22/15					



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 2
 Invoice Information: 1906572

Section A
 Required Client Information:
 Company: Haley & Aldrich, Inc
 Address: 7926 Jones Branch Dr.
McLean, VA 22102
 Email To: dschoenwolf@haleyaldrich.com
 Phone: _____ Fax: _____

Section B
 Required Project Information:
 Report To: Dave Schoenwolf
 Copy To: _____
 Purchase Order No.: _____
 Project Name: Buzzard Point GW
 Project Number: _____

Section C
 Invoice Information:
 Attention: _____
 Company Name: _____
 Address: _____
 Pace Quote Reference: _____
 Pace Project Manager: Nicole Benjamin@Pacelabs.com
 Pace Profile #: 7302-1F3
 Site Location: _____
 STATE: _____

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER _____

ITEM #	Matrix Codes MATRIX L CODE Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Tissue Other	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other	Analysis Test ↑ TPH-GRO TPH-DRD TAL METALS PCBs by GC/MS	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
				COMPOSITE START DATE TIME	COMPOSITE END/GRAB DATE TIME						
1	605-802-1-1	SL	G	04/22 10:57			6	X	X		
2	605-802-1-1	SL	G	04/22 10:57			1	X	X		
3	605-802-1-1	SL	G	04/22 10:57			1	X	X		
4	605-802-1-1	SL	G	04/22 09:15			6	X	X		
5	605-802-2-1	SL	G	04/22 09:15			1	X	X		
6	605-802-2-1	SL	G	04/22 09:15			1	X	X		
7	605-802-2-1	SL	G	04/22 09:15			1	X	X		
8	605-802-2-1	SL	G	04/22 08:19			6	X	X		
9	605-802-11-1	SL	G	04/22 08:19			1	X	X		
10	605-802-11-1	SL	G	04/22 08:19			1	X	X		
11	605-802-11-1	SL	G	04/22 08:19			1	X	X		
12	605-802-11-1	SL	G	04/22 08:19			1	X	X		

ADDITIONAL COMMENTS
 CHRISTIAN TSCHIBEL
 04/22 18:00
 04/22 09:00
 04/22-13 9:15 5.3
 V N V

RELINQUISHED BY / AFFILIATION: CHRISTIAN TSCHIBEL
 DATE: 04/22 18:00
 TIME: 09:00
 ACCEPTED BY / AFFILIATION: QUINCY PARSONS
 DATE: 04/22 13:00
 TIME: 09:15

Temp in °C: _____
 Received on Ice (Y/N): _____
 Sealed Cooler (Y/N): _____
 Custody (Y/N): _____
 Samples Intact (Y/N): _____

Pace Project No./ Lab I.D.: 92047031

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Christian Tschibel
 SIGNATURE of SAMPLER: Christian Tschibel
 DATE Signed (MM/DD/YYYY): 04/22/15

ORIGINAL

*Important Note: By signing this form you are accepting Paco's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

May 29, 2015

Dana Kennard
Haley & Aldrich, Inc

RE: Project: Buzzard Point, Washington DC R2
Pace Project No.: 92247494

Dear Dana Kennard:

Enclosed are the analytical results for sample(s) received by the laboratory on April 29, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

This report was revised to report down to the MDL for all parameters and modify sample IDs to match the update Chain of Custody, per client request.

Insufficient sample volume was provided to properly analyze for VOCs, preserved aliquots were consumed for GRO analysis.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Nicole Benjamin
nicole.benjamin@pacelabs.com
Project Manager



REPORT OF LABORATORY ANALYSIS

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May 29, 2015
Page 2

Enclosures

cc: Karin Holland
Pam Minor



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CERTIFICATIONS

Project: Buzzard Point, Washington DC R2

Pace Project No.: 92247494

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

Asheville Certification IDs

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: Buzzard Point, Washington DC R2

Pace Project No.: 92247494

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92247494001	GTW-605-802-7-2	Water	04/27/15 16:52	04/29/15 09:30
92247494002	GTW-605-802-2-3	Water	04/27/15 13:25	04/29/15 09:30
92247494003	TRIP BLANK	Water	04/27/15 00:00	04/29/15 09:30

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SAMPLE ANALYTE COUNT

Project: Buzzard Point, Washington DC R2
Pace Project No.: 92247494

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92247494001	GTW-605-802-7-2	EPA 8015 Modified	CMI	2	PASI-C
		EPA 5030/8015 Mod.	BFW	2	PASI-C
		EPA 6010	JMW	22	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 8270	RES	74	PASI-C
92247494002	GTW-605-802-2-3	EPA 8015 Modified	CMI	2	PASI-C
		EPA 5030/8015 Mod.	BFW	2	PASI-C
		EPA 6010	JMW	22	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 8270	RES	74	PASI-C
92247494003	TRIP BLANK	EPA 8260	SNP	63	PASI-C

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SUMMARY OF DETECTION

Project: Buzzard Point, Washington DC R2
Pace Project No.: 92247494

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92247494001	GTW-605-802-7-2					
EPA 8015 Modified	Diesel Range Organics(C10-C28)	0.11J	mg/L	0.50	05/08/15 00:04	
EPA 6010	Aluminum	68.7J	ug/L	100	05/01/15 15:27	
EPA 6010	Barium	91.2	ug/L	5.0	05/01/15 15:27	
EPA 6010	Calcium	69000	ug/L	100	05/01/15 15:27	
EPA 6010	Cobalt	18.6	ug/L	5.0	05/01/15 15:27	
EPA 6010	Copper	3.6J	ug/L	5.0	05/01/15 15:27	
EPA 6010	Iron	944	ug/L	50.0	05/01/15 15:27	
EPA 6010	Lead	2.7J	ug/L	5.0	05/01/15 15:27	
EPA 6010	Magnesium	33800	ug/L	100	05/01/15 15:27	
EPA 6010	Manganese	2840	ug/L	5.0	05/01/15 15:27	
EPA 6010	Nickel	14.0	ug/L	5.0	05/01/15 15:27	
EPA 6010	Potassium	3710J	ug/L	5000	05/01/15 15:27	
EPA 6010	Sodium	50900	ug/L	5000	05/01/15 15:27	
EPA 6010	Zinc	29.2	ug/L	10.0	05/01/15 15:27	
92247494002	GTW-605-802-2-3					
EPA 8015 Modified	Diesel Range Organics(C10-C28)	0.12J	mg/L	0.50	05/08/15 00:28	
EPA 6010	Aluminum	3450	ug/L	100	05/01/15 15:30	
EPA 6010	Antimony	7.1	ug/L	5.0	05/01/15 15:30	
EPA 6010	Barium	25.5	ug/L	5.0	05/01/15 15:30	
EPA 6010	Beryllium	0.33J	ug/L	1.0	05/01/15 15:30	
EPA 6010	Cadmium	0.55J	ug/L	1.0	05/01/15 15:30	
EPA 6010	Calcium	42600	ug/L	100	05/01/15 15:30	
EPA 6010	Chromium	8.6	ug/L	5.0	05/01/15 15:30	
EPA 6010	Cobalt	74.7	ug/L	5.0	05/01/15 15:30	
EPA 6010	Copper	17.6	ug/L	5.0	05/01/15 15:30	
EPA 6010	Iron	7390	ug/L	50.0	05/01/15 15:30	
EPA 6010	Lead	11.5	ug/L	5.0	05/01/15 15:30	
EPA 6010	Magnesium	41900	ug/L	100	05/01/15 15:30	
EPA 6010	Manganese	4420	ug/L	5.0	05/01/15 15:30	
EPA 6010	Nickel	29.5	ug/L	5.0	05/01/15 15:30	
EPA 6010	Sodium	765000	ug/L	100000	05/04/15 13:11	
EPA 6010	Vanadium	12.1	ug/L	5.0	05/01/15 15:30	
EPA 6010	Zinc	51.0	ug/L	10.0	05/01/15 15:30	
92247494003	TRIP BLANK					
EPA 8260	Acetone	11.9J	ug/L	25.0	05/06/15 01:38	
EPA 8260	Methylene Chloride	1.8J	ug/L	2.0	05/06/15 01:38	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R2

Sample Project No.: 92247494

Sample: GTW-605-802-7-2 Lab ID: 92247494001 Collected: 04/27/15 16:52 Received: 04/29/15 09:30 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	0.11J	mg/L	0.50	0.10	1	05/04/15 16:00	05/08/15 00:04		
Surrogates									
n-Pentacosane (S)	86	%	48-110		1	05/04/15 16:00	05/08/15 00:04	629-99-2	
Gasoline Range Organics Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	ND	mg/L	0.080	0.016	1		05/10/15 20:40		
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-145		1		05/10/15 20:40	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Aluminum	68.7J	ug/L	100	50.0	1	04/30/15 13:40	05/01/15 15:27	7429-90-5	
Antimony	ND	ug/L	5.0	3.9	1	04/30/15 13:40	05/01/15 15:27	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	04/30/15 13:40	05/01/15 15:27	7440-38-2	
Barium	91.2	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:27	7440-39-3	
Beryllium	ND	ug/L	1.0	0.050	1	04/30/15 13:40	05/01/15 15:27	7440-41-7	
Cadmium	ND	ug/L	1.0	0.050	1	04/30/15 13:40	05/01/15 15:27	7440-43-9	
Calcium	69000	ug/L	100	50.0	1	04/30/15 13:40	05/01/15 15:27	7440-70-2	
Chromium	ND	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:27	7440-47-3	
Cobalt	18.6	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:27	7440-48-4	
Copper	3.6J	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:27	7440-50-8	
Iron	944	ug/L	50.0	25.0	1	04/30/15 13:40	05/01/15 15:27	7439-89-6	
Lead	2.7J	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:27	7439-92-1	
Magnesium	33800	ug/L	100	50.0	1	04/30/15 13:40	05/01/15 15:27	7439-95-4	
Manganese	2840	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:27	7439-96-5	
Nickel	14.0	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:27	7440-02-0	
Potassium	3710J	ug/L	5000	2500	1	04/30/15 13:40	05/01/15 15:27	7440-09-7	
Selenium	ND	ug/L	10.0	5.0	1	04/30/15 13:40	05/01/15 15:27	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:27	7440-22-4	
Sodium	50900	ug/L	5000	2500	1	04/30/15 13:40	05/01/15 15:27	7440-23-5	
Thallium	ND	ug/L	10.0	5.0	1	04/30/15 13:40	05/01/15 15:27	7440-28-0	
Vanadium	ND	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:27	7440-62-2	
Zinc	29.2	ug/L	10.0	5.0	1	04/30/15 13:40	05/01/15 15:27	7440-66-6	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20	0.10	1	04/30/15 18:30	05/01/15 15:30	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0	1.1	1	05/04/15 17:00	05/06/15 16:43	83-32-9	
Acenaphthylene	ND	ug/L	10.0	0.99	1	05/04/15 17:00	05/06/15 16:43	208-96-8	
Aniline	ND	ug/L	10.0	0.80	1	05/04/15 17:00	05/06/15 16:43	62-53-3	
Anthracene	ND	ug/L	10.0	0.47	1	05/04/15 17:00	05/06/15 16:43	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.47	1	05/04/15 17:00	05/06/15 16:43	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.57	1	05/04/15 17:00	05/06/15 16:43	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.44	1	05/04/15 17:00	05/06/15 16:43	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.45	1	05/04/15 17:00	05/06/15 16:43	191-24-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R2

Pace Project No.: 92247494

Sample: GTW-605-802-7-2 **Lab ID: 92247494001** Collected: 04/27/15 16:52 Received: 04/29/15 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(k)fluoranthene	ND	ug/L	10.0	0.53	1	05/04/15 17:00	05/06/15 16:43	207-08-9	
Benzoic Acid	ND	ug/L	50.0	4.9	1	05/04/15 17:00	05/06/15 16:43	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	2.1	1	05/04/15 17:00	05/06/15 16:43	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 16:43	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.48	1	05/04/15 17:00	05/06/15 16:43	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	2.0	1	05/04/15 17:00	05/06/15 16:43	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	1.6	1	05/04/15 17:00	05/06/15 16:43	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.3	1	05/04/15 17:00	05/06/15 16:43	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	0.89	1	05/04/15 17:00	05/06/15 16:43	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	0.86	1	05/04/15 17:00	05/06/15 16:43	108-60-1	L3
2-Chloronaphthalene	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 16:43	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 16:43	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1.1	1	05/04/15 17:00	05/06/15 16:43	7005-72-3	
Chrysene	ND	ug/L	10.0	0.49	1	05/04/15 17:00	05/06/15 16:43	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.49	1	05/04/15 17:00	05/06/15 16:43	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 16:43	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	0.71	1	05/04/15 17:00	05/06/15 16:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	0.78	1	05/04/15 17:00	05/06/15 16:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	0.81	1	05/04/15 17:00	05/06/15 16:43	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	0.69	1	05/04/15 17:00	05/06/15 16:43	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	0.85	1	05/04/15 17:00	05/06/15 16:43	120-83-2	
Diethylphthalate	ND	ug/L	10.0	0.91	1	05/04/15 17:00	05/06/15 16:43	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	0.96	1	05/04/15 17:00	05/06/15 16:43	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	0.62	1	05/04/15 17:00	05/06/15 16:43	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	0.37	1	05/04/15 17:00	05/06/15 16:43	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.1	1	05/04/15 17:00	05/06/15 16:43	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	2.5	1	05/04/15 17:00	05/06/15 16:43	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	0.92	1	05/04/15 17:00	05/06/15 16:43	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	2.1	1	05/04/15 17:00	05/06/15 16:43	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.12	1	05/04/15 17:00	05/06/15 16:43	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.49	1	05/04/15 17:00	05/06/15 16:43	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.41	1	05/04/15 17:00	05/06/15 16:43	206-44-0	
Fluorene	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 16:43	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.90	1	05/04/15 17:00	05/06/15 16:43	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	0.76	1	05/04/15 17:00	05/06/15 16:43	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.1	1	05/04/15 17:00	05/06/15 16:43	77-47-4	
Hexachloroethane	ND	ug/L	10.0	0.90	1	05/04/15 17:00	05/06/15 16:43	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	0.53	1	05/04/15 17:00	05/06/15 16:43	193-39-5	
Isophorone	ND	ug/L	10.0	0.92	1	05/04/15 17:00	05/06/15 16:43	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	0.92	1	05/04/15 17:00	05/06/15 16:43	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 16:43	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 16:43	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 16:43		
Naphthalene	ND	ug/L	10.0	0.93	1	05/04/15 17:00	05/06/15 16:43	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	1.5	1	05/04/15 17:00	05/06/15 16:43	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1.3	1	05/04/15 17:00	05/06/15 16:43	99-09-2	

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R2

Pace Project No.: 92247494

Sample: GTW-605-802-7-2 **Lab ID: 92247494001** Collected: 04/27/15 16:52 Received: 04/29/15 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
4-Nitroaniline	ND	ug/L	20.0	1.6	1	05/04/15 17:00	05/06/15 16:43	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 16:43	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	0.71	1	05/04/15 17:00	05/06/15 16:43	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	3.9	1	05/04/15 17:00	05/06/15 16:43	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	0.94	1	05/04/15 17:00	05/06/15 16:43	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	0.85	1	05/04/15 17:00	05/06/15 16:43	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	0.64	1	05/04/15 17:00	05/06/15 16:43	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	1.2	1	05/04/15 17:00	05/06/15 16:43	87-86-5	
Phenanthrene	ND	ug/L	10.0	0.53	1	05/04/15 17:00	05/06/15 16:43	85-01-8	
Phenol	ND	ug/L	10.0	1.1	1	05/04/15 17:00	05/06/15 16:43	108-95-2	
Pyrene	ND	ug/L	10.0	0.49	1	05/04/15 17:00	05/06/15 16:43	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.3	1	05/04/15 17:00	05/06/15 16:43	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 16:43	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	0.85	1	05/04/15 17:00	05/06/15 16:43	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	26	%	21-110		1	05/04/15 17:00	05/06/15 16:43	4165-60-0	
2-Fluorobiphenyl (S)	37	%	27-110		1	05/04/15 17:00	05/06/15 16:43	321-60-8	
Terphenyl-d14 (S)	67	%	31-107		1	05/04/15 17:00	05/06/15 16:43	1718-51-0	
Phenol-d6 (S)	15	%	10-110		1	05/04/15 17:00	05/06/15 16:43	13127-88-3	
2-Fluorophenol (S)	14	%	12-110		1	05/04/15 17:00	05/06/15 16:43	367-12-4	
2,4,6-Tribromophenol (S)	77	%	27-110		1	05/04/15 17:00	05/06/15 16:43	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R2

Sample Project No.: 92247494

Sample: GTW-605-802-2-3 Lab ID: 92247494002 Collected: 04/27/15 13:25 Received: 04/29/15 09:30 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	0.12J	mg/L	0.50	0.10	1	05/04/15 16:00	05/08/15 00:28		
Surrogates									
n-Pentacosane (S)	88	%	48-110		1	05/04/15 16:00	05/08/15 00:28	629-99-2	
Gasoline Range Organics Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	ND	mg/L	0.080	0.016	1		05/10/15 21:06		
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-145		1		05/10/15 21:06	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Aluminum	3450	ug/L	100	50.0	1	04/30/15 13:40	05/01/15 15:30	7429-90-5	
Antimony	7.1	ug/L	5.0	3.9	1	04/30/15 13:40	05/01/15 15:30	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	04/30/15 13:40	05/01/15 15:30	7440-38-2	
Barium	25.5	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:30	7440-39-3	
Beryllium	0.33J	ug/L	1.0	0.050	1	04/30/15 13:40	05/01/15 15:30	7440-41-7	
Cadmium	0.55J	ug/L	1.0	0.050	1	04/30/15 13:40	05/01/15 15:30	7440-43-9	
Calcium	42600	ug/L	100	50.0	1	04/30/15 13:40	05/01/15 15:30	7440-70-2	
Chromium	8.6	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:30	7440-47-3	
Cobalt	74.7	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:30	7440-48-4	
Copper	17.6	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:30	7440-50-8	
Iron	7390	ug/L	50.0	25.0	1	04/30/15 13:40	05/01/15 15:30	7439-89-6	
Lead	11.5	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:30	7439-92-1	
Magnesium	41900	ug/L	100	50.0	1	04/30/15 13:40	05/01/15 15:30	7439-95-4	
Manganese	4420	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:30	7439-96-5	
Nickel	29.5	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:30	7440-02-0	
Potassium	ND	ug/L	5000	2500	1	04/30/15 13:40	05/01/15 15:30	7440-09-7	
Selenium	ND	ug/L	10.0	5.0	1	04/30/15 13:40	05/01/15 15:30	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:30	7440-22-4	
Sodium	765000	ug/L	100000	50000	20	04/30/15 13:40	05/04/15 13:11	7440-23-5	
Thallium	ND	ug/L	10.0	5.0	1	04/30/15 13:40	05/01/15 15:30	7440-28-0	
Vanadium	12.1	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:30	7440-62-2	
Zinc	51.0	ug/L	10.0	5.0	1	04/30/15 13:40	05/01/15 15:30	7440-66-6	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20	0.10	1	04/30/15 18:30	05/01/15 15:37	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0	1.1	1	05/04/15 17:00	05/06/15 12:37	83-32-9	
Acenaphthylene	ND	ug/L	10.0	0.99	1	05/04/15 17:00	05/06/15 12:37	208-96-8	
Aniline	ND	ug/L	10.0	0.80	1	05/04/15 17:00	05/06/15 12:37	62-53-3	
Anthracene	ND	ug/L	10.0	0.47	1	05/04/15 17:00	05/06/15 12:37	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.47	1	05/04/15 17:00	05/06/15 12:37	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.57	1	05/04/15 17:00	05/06/15 12:37	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.44	1	05/04/15 17:00	05/06/15 12:37	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.45	1	05/04/15 17:00	05/06/15 12:37	191-24-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R2

Pace Project No.: 92247494

Sample: GTW-605-802-2-3 **Lab ID: 92247494002** Collected: 04/27/15 13:25 Received: 04/29/15 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(k)fluoranthene	ND	ug/L	10.0	0.53	1	05/04/15 17:00	05/06/15 12:37	207-08-9	
Benzoic Acid	ND	ug/L	50.0	4.9	1	05/04/15 17:00	05/06/15 12:37	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	2.1	1	05/04/15 17:00	05/06/15 12:37	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 12:37	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.48	1	05/04/15 17:00	05/06/15 12:37	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	2.0	1	05/04/15 17:00	05/06/15 12:37	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	1.6	1	05/04/15 17:00	05/06/15 12:37	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.3	1	05/04/15 17:00	05/06/15 12:37	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	0.89	1	05/04/15 17:00	05/06/15 12:37	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	0.86	1	05/04/15 17:00	05/06/15 12:37	108-60-1	L3
2-Chloronaphthalene	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 12:37	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 12:37	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1.1	1	05/04/15 17:00	05/06/15 12:37	7005-72-3	
Chrysene	ND	ug/L	10.0	0.49	1	05/04/15 17:00	05/06/15 12:37	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.49	1	05/04/15 17:00	05/06/15 12:37	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 12:37	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	0.71	1	05/04/15 17:00	05/06/15 12:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	0.78	1	05/04/15 17:00	05/06/15 12:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	0.81	1	05/04/15 17:00	05/06/15 12:37	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	0.69	1	05/04/15 17:00	05/06/15 12:37	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	0.85	1	05/04/15 17:00	05/06/15 12:37	120-83-2	
Diethylphthalate	ND	ug/L	10.0	0.91	1	05/04/15 17:00	05/06/15 12:37	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	0.96	1	05/04/15 17:00	05/06/15 12:37	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	0.62	1	05/04/15 17:00	05/06/15 12:37	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	0.37	1	05/04/15 17:00	05/06/15 12:37	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.1	1	05/04/15 17:00	05/06/15 12:37	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	2.5	1	05/04/15 17:00	05/06/15 12:37	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	0.92	1	05/04/15 17:00	05/06/15 12:37	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	2.1	1	05/04/15 17:00	05/06/15 12:37	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.12	1	05/04/15 17:00	05/06/15 12:37	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.49	1	05/04/15 17:00	05/06/15 12:37	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.41	1	05/04/15 17:00	05/06/15 12:37	206-44-0	
Fluorene	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 12:37	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.90	1	05/04/15 17:00	05/06/15 12:37	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	0.76	1	05/04/15 17:00	05/06/15 12:37	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.1	1	05/04/15 17:00	05/06/15 12:37	77-47-4	
Hexachloroethane	ND	ug/L	10.0	0.90	1	05/04/15 17:00	05/06/15 12:37	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	0.53	1	05/04/15 17:00	05/06/15 12:37	193-39-5	
Isophorone	ND	ug/L	10.0	0.92	1	05/04/15 17:00	05/06/15 12:37	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	0.92	1	05/04/15 17:00	05/06/15 12:37	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 12:37	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 12:37	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 12:37		
Naphthalene	ND	ug/L	10.0	0.93	1	05/04/15 17:00	05/06/15 12:37	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	1.5	1	05/04/15 17:00	05/06/15 12:37	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1.3	1	05/04/15 17:00	05/06/15 12:37	99-09-2	

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R2

Pace Project No.: 92247494

Sample: GTW-605-802-2-3 **Lab ID: 92247494002** Collected: 04/27/15 13:25 Received: 04/29/15 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
4-Nitroaniline	ND	ug/L	20.0	1.6	1	05/04/15 17:00	05/06/15 12:37	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 12:37	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	0.71	1	05/04/15 17:00	05/06/15 12:37	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	3.9	1	05/04/15 17:00	05/06/15 12:37	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	0.94	1	05/04/15 17:00	05/06/15 12:37	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	0.85	1	05/04/15 17:00	05/06/15 12:37	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	0.64	1	05/04/15 17:00	05/06/15 12:37	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	1.2	1	05/04/15 17:00	05/06/15 12:37	87-86-5	
Phenanthrene	ND	ug/L	10.0	0.53	1	05/04/15 17:00	05/06/15 12:37	85-01-8	
Phenol	ND	ug/L	10.0	1.1	1	05/04/15 17:00	05/06/15 12:37	108-95-2	
Pyrene	ND	ug/L	10.0	0.49	1	05/04/15 17:00	05/06/15 12:37	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.3	1	05/04/15 17:00	05/06/15 12:37	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 12:37	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	0.85	1	05/04/15 17:00	05/06/15 12:37	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	62	%	21-110		1	05/04/15 17:00	05/06/15 12:37	4165-60-0	
2-Fluorobiphenyl (S)	61	%	27-110		1	05/04/15 17:00	05/06/15 12:37	321-60-8	
Terphenyl-d14 (S)	70	%	31-107		1	05/04/15 17:00	05/06/15 12:37	1718-51-0	
Phenol-d6 (S)	25	%	10-110		1	05/04/15 17:00	05/06/15 12:37	13127-88-3	
2-Fluorophenol (S)	31	%	12-110		1	05/04/15 17:00	05/06/15 12:37	367-12-4	
2,4,6-Tribromophenol (S)	76	%	27-110		1	05/04/15 17:00	05/06/15 12:37	118-79-6	

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R2

Project No.: 92247494

Sample: **TRIP BLANK** Lab ID: **92247494003** Collected: 04/27/15 00:00 Received: 04/29/15 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level		Analytical Method: EPA 8260							
Acetone	11.9J	ug/L	25.0	10.0	1		05/06/15 01:38	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		05/06/15 01:38	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		05/06/15 01:38	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		05/06/15 01:38	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		05/06/15 01:38	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		05/06/15 01:38	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		05/06/15 01:38	74-83-9	L3
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		05/06/15 01:38	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		05/06/15 01:38	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		05/06/15 01:38	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		05/06/15 01:38	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		05/06/15 01:38	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		05/06/15 01:38	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		05/06/15 01:38	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		05/06/15 01:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		05/06/15 01:38	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		05/06/15 01:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		05/06/15 01:38	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		05/06/15 01:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		05/06/15 01:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		05/06/15 01:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		05/06/15 01:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		05/06/15 01:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		05/06/15 01:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		05/06/15 01:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		05/06/15 01:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		05/06/15 01:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		05/06/15 01:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		05/06/15 01:38	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		05/06/15 01:38	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		05/06/15 01:38	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		05/06/15 01:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		05/06/15 01:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		05/06/15 01:38	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		05/06/15 01:38	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/06/15 01:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		05/06/15 01:38	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.46	1		05/06/15 01:38	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		05/06/15 01:38	99-87-6	
Methylene Chloride	1.8J	ug/L	2.0	0.97	1		05/06/15 01:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		05/06/15 01:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		05/06/15 01:38	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		05/06/15 01:38	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		05/06/15 01:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		05/06/15 01:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		05/06/15 01:38	79-34-5	

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R2

Pace Project No.: 92247494

Sample: TRIP BLANK **Lab ID: 92247494003** Collected: 04/27/15 00:00 Received: 04/29/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	0.46	1		05/06/15 01:38	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		05/06/15 01:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		05/06/15 01:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		05/06/15 01:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		05/06/15 01:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		05/06/15 01:38	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		05/06/15 01:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		05/06/15 01:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		05/06/15 01:38	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		05/06/15 01:38	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		05/06/15 01:38	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		05/06/15 01:38	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		05/06/15 01:38	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		05/06/15 01:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		05/06/15 01:38	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130		1		05/06/15 01:38	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/06/15 01:38	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R2

Pace Project No.: 92247494

QC Batch: GCV/9322 Analysis Method: EPA 5030/8015 Mod.
QC Batch Method: EPA 5030/8015 Mod. Analysis Description: Gasoline Range Organics
Associated Lab Samples: 92247494001, 92247494002

METHOD BLANK: 1455244 Matrix: Water

Associated Lab Samples: 92247494001, 92247494002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gas Range Organics (C6-C10)	mg/L	ND	0.080	05/10/15 16:52	
4-Bromofluorobenzene (S)	%	100	70-145	05/10/15 16:52	

LABORATORY CONTROL SAMPLE: 1455245

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gas Range Organics (C6-C10)	mg/L	1	0.95	95	70-150	
4-Bromofluorobenzene (S)	%			101	70-145	

MATRIX SPIKE SAMPLE: 1455246

Parameter	Units	92248374003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gas Range Organics (C6-C10)	mg/L	ND	1	0.28	27	70-150	M0
4-Bromofluorobenzene (S)	%				112	70-145	

SAMPLE DUPLICATE: 1455247

Parameter	Units	92248374004 Result	Dup Result	RPD	Max RPD	Qualifiers
Gas Range Organics (C6-C10)	mg/L	ND	ND		30	
4-Bromofluorobenzene (S)	%	112	106	5		

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R2

Pace Project No.: 92247494

QC Batch: MERP/7785

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Associated Lab Samples: 92247494001, 92247494002

METHOD BLANK: 1447468

Matrix: Water

Associated Lab Samples: 92247494001, 92247494002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	05/01/15 14:50	

LABORATORY CONTROL SAMPLE: 1447469

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.5	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1447470 1447471

Parameter	Units	92246735035 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max		Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	
Mercury	ug/L	ND	2.5	2.5	2.4	2.4	96	96	75-125	0	25	

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R2

Pace Project No.: 92247494

QC Batch: MPRP/18383

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET

Associated Lab Samples: 92247494001, 92247494002

METHOD BLANK: 1447194

Matrix: Water

Associated Lab Samples: 92247494001, 92247494002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	100	05/01/15 14:10	
Antimony	ug/L	ND	5.0	05/01/15 14:10	
Arsenic	ug/L	ND	10.0	05/01/15 14:10	
Barium	ug/L	ND	5.0	05/01/15 14:10	
Beryllium	ug/L	0.078J	1.0	05/01/15 14:10	
Cadmium	ug/L	0.072J	1.0	05/01/15 14:10	
Calcium	ug/L	ND	100	05/01/15 14:10	
Chromium	ug/L	ND	5.0	05/01/15 14:10	
Cobalt	ug/L	ND	5.0	05/01/15 14:10	
Copper	ug/L	ND	5.0	05/01/15 14:10	
Iron	ug/L	ND	50.0	05/01/15 14:10	
Lead	ug/L	ND	5.0	05/01/15 14:10	
Magnesium	ug/L	ND	100	05/01/15 14:10	
Manganese	ug/L	ND	5.0	05/01/15 14:10	
Nickel	ug/L	ND	5.0	05/01/15 14:10	
Potassium	ug/L	ND	5000	05/01/15 14:10	
Selenium	ug/L	ND	10.0	05/01/15 14:10	
Silver	ug/L	ND	5.0	05/01/15 14:10	
Sodium	ug/L	ND	5000	05/04/15 12:56	
Thallium	ug/L	ND	10.0	05/01/15 14:10	
Vanadium	ug/L	ND	5.0	05/01/15 14:10	
Zinc	ug/L	8.9J	10.0	05/01/15 14:10	

LABORATORY CONTROL SAMPLE: 1447195

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	4800	96	80-120	
Antimony	ug/L	500	496	99	80-120	
Arsenic	ug/L	500	478	96	80-120	
Barium	ug/L	500	480	96	80-120	
Beryllium	ug/L	500	476	95	80-120	
Cadmium	ug/L	500	479	96	80-120	
Calcium	ug/L	5000	4640	93	80-120	
Chromium	ug/L	500	473	95	80-120	
Cobalt	ug/L	500	483	97	80-120	
Copper	ug/L	500	491	98	80-120	
Iron	ug/L	5000	4700	94	80-120	
Lead	ug/L	500	479	96	80-120	
Magnesium	ug/L	5000	4630	93	80-120	
Manganese	ug/L	500	462	92	80-120	

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R2

Pace Project No.: 92247494

LABORATORY CONTROL SAMPLE: 1447195

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	ug/L	500	471	94	80-120	
Potassium	ug/L	5000	4850J	97	80-120	
Selenium	ug/L	500	473	95	80-120	
Silver	ug/L	250	239	96	80-120	
Sodium	ug/L	5000	5140	103	80-120	
Thallium	ug/L	500	474	95	80-120	
Vanadium	ug/L	500	471	94	80-120	
Zinc	ug/L	500	466	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1447196 1447197

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		92247303001 Result	Spike Conc.	Spike Conc.	MS Result							
Aluminum	ug/L	ND	5000	5000	4840	4870	97	97	75-125	1	20	
Antimony	ug/L	ND	500	500	505	504	100	100	75-125	0	20	
Arsenic	ug/L	ND	500	500	491	489	98	98	75-125	0	20	
Barium	ug/L	102	500	500	578	582	95	96	75-125	1	20	
Beryllium	ug/L	ND	500	500	477	480	95	96	75-125	1	20	
Cadmium	ug/L	ND	500	500	484	485	97	97	75-125	0	20	
Calcium	ug/L	97600	5000	5000	104000	103000	138	116	75-125	1	20	M6
Chromium	ug/L	ND	500	500	470	473	94	94	75-125	1	20	
Cobalt	ug/L	ND	500	500	468	468	94	94	75-125	0	20	
Copper	ug/L	ND	500	500	494	496	99	99	75-125	1	20	
Iron	ug/L	790	5000	5000	5420	5450	93	93	75-125	0	20	
Lead	ug/L	ND	500	500	469	470	94	94	75-125	0	20	
Magnesium	ug/L	37800	5000	5000	42000	42100	84	86	75-125	0	20	
Manganese	ug/L	8.9	500	500	463	467	91	92	75-125	1	20	
Nickel	ug/L	ND	500	500	456	456	91	91	75-125	0	20	
Potassium	ug/L	ND	5000	5000	6970	6980	98	98	75-125	0	20	
Selenium	ug/L	ND	500	500	481	481	96	96	75-125	0	20	
Silver	ug/L	ND	250	250	241	243	96	97	75-125	1	20	
Sodium	ug/L	6580	5000	5000	11700	11700	103	103	75-125	0	20	
Thallium	ug/L	ND	500	500	462	468	92	93	75-125	1	20	
Vanadium	ug/L	ND	500	500	473	476	95	95	75-125	1	20	
Zinc	ug/L	6.3J	500	500	458	459	90	91	75-125	0	20	

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R2

Pace Project No.: 92247494

QC Batch: MSV/31503

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV Low Level

Associated Lab Samples: 92247494003

METHOD BLANK: 1450549

Matrix: Water

Associated Lab Samples: 92247494003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/05/15 20:51	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/05/15 20:51	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/05/15 20:51	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/05/15 20:51	
1,1-Dichloroethane	ug/L	ND	1.0	05/05/15 20:51	
1,1-Dichloroethene	ug/L	ND	1.0	05/05/15 20:51	
1,1-Dichloropropene	ug/L	ND	1.0	05/05/15 20:51	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	05/05/15 20:51	
1,2,3-Trichloropropane	ug/L	ND	1.0	05/05/15 20:51	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/05/15 20:51	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	05/05/15 20:51	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/05/15 20:51	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/05/15 20:51	
1,2-Dichloroethane	ug/L	ND	1.0	05/05/15 20:51	
1,2-Dichloropropane	ug/L	ND	1.0	05/05/15 20:51	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/05/15 20:51	
1,3-Dichloropropane	ug/L	ND	1.0	05/05/15 20:51	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/05/15 20:51	
2,2-Dichloropropane	ug/L	ND	1.0	05/05/15 20:51	
2-Butanone (MEK)	ug/L	ND	5.0	05/05/15 20:51	
2-Chlorotoluene	ug/L	ND	1.0	05/05/15 20:51	
2-Hexanone	ug/L	ND	5.0	05/05/15 20:51	
4-Chlorotoluene	ug/L	ND	1.0	05/05/15 20:51	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	05/05/15 20:51	
Acetone	ug/L	ND	25.0	05/05/15 20:51	
Benzene	ug/L	ND	1.0	05/05/15 20:51	
Bromobenzene	ug/L	ND	1.0	05/05/15 20:51	
Bromochloromethane	ug/L	ND	1.0	05/05/15 20:51	
Bromodichloromethane	ug/L	ND	1.0	05/05/15 20:51	
Bromoform	ug/L	ND	1.0	05/05/15 20:51	
Bromomethane	ug/L	ND	2.0	05/05/15 20:51	
Carbon tetrachloride	ug/L	ND	1.0	05/05/15 20:51	
Chlorobenzene	ug/L	ND	1.0	05/05/15 20:51	
Chloroethane	ug/L	ND	1.0	05/05/15 20:51	
Chloroform	ug/L	ND	1.0	05/05/15 20:51	
Chloromethane	ug/L	ND	1.0	05/05/15 20:51	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/05/15 20:51	
cis-1,3-Dichloropropene	ug/L	ND	1.0	05/05/15 20:51	
Dibromochloromethane	ug/L	ND	1.0	05/05/15 20:51	
Dibromomethane	ug/L	ND	1.0	05/05/15 20:51	
Dichlorodifluoromethane	ug/L	ND	1.0	05/05/15 20:51	

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R2

Pace Project No.: 92247494

METHOD BLANK: 1450549

Matrix: Water

Associated Lab Samples: 92247494003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	ND	1.0	05/05/15 20:51	
Ethylbenzene	ug/L	ND	1.0	05/05/15 20:51	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	05/05/15 20:51	
m&p-Xylene	ug/L	ND	2.0	05/05/15 20:51	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/05/15 20:51	
Methylene Chloride	ug/L	1.6J	2.0	05/05/15 20:51	
Naphthalene	ug/L	ND	1.0	05/05/15 20:51	
o-Xylene	ug/L	ND	1.0	05/05/15 20:51	
p-Isopropyltoluene	ug/L	ND	1.0	05/05/15 20:51	
Styrene	ug/L	ND	1.0	05/05/15 20:51	
Tetrachloroethene	ug/L	ND	1.0	05/05/15 20:51	
Toluene	ug/L	ND	1.0	05/05/15 20:51	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/05/15 20:51	
trans-1,3-Dichloropropene	ug/L	ND	1.0	05/05/15 20:51	
Trichloroethene	ug/L	ND	1.0	05/05/15 20:51	
Trichlorofluoromethane	ug/L	ND	1.0	05/05/15 20:51	
Vinyl acetate	ug/L	ND	2.0	05/05/15 20:51	
Vinyl chloride	ug/L	ND	1.0	05/05/15 20:51	
Xylene (Total)	ug/L	ND	2.0	05/05/15 20:51	
1,2-Dichloroethane-d4 (S)	%	83	70-130	05/05/15 20:51	
4-Bromofluorobenzene (S)	%	98	70-130	05/05/15 20:51	
Toluene-d8 (S)	%	98	70-130	05/05/15 20:51	

LABORATORY CONTROL SAMPLE: 1450550

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	56.4	113	70-130	
1,1,1-Trichloroethane	ug/L	50	50.4	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	58.1	116	70-130	
1,1,2-Trichloroethane	ug/L	50	54.6	109	70-130	
1,1-Dichloroethane	ug/L	50	56.8	114	70-130	
1,1-Dichloroethene	ug/L	50	50.1	100	70-132	
1,1-Dichloropropene	ug/L	50	58.4	117	70-130	
1,2,3-Trichlorobenzene	ug/L	50	59.9	120	70-135	
1,2,3-Trichloropropane	ug/L	50	53.3	107	70-130	
1,2,4-Trichlorobenzene	ug/L	50	61.1	122	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	55.0	110	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	59.0	118	70-130	
1,2-Dichlorobenzene	ug/L	50	57.3	115	70-130	
1,2-Dichloroethane	ug/L	50	48.2	96	70-130	
1,2-Dichloropropane	ug/L	50	58.3	117	70-130	
1,3-Dichlorobenzene	ug/L	50	58.5	117	70-130	
1,3-Dichloropropane	ug/L	50	56.1	112	70-130	
1,4-Dichlorobenzene	ug/L	50	57.8	116	70-130	

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R2

Pace Project No.: 92247494

LABORATORY CONTROL SAMPLE: 1450550

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	55.1	110	58-145	
2-Butanone (MEK)	ug/L	100	117	117	70-145	
2-Chlorotoluene	ug/L	50	54.8	110	70-130	
2-Hexanone	ug/L	100	117	117	70-144	
4-Chlorotoluene	ug/L	50	54.9	110	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	114	114	70-140	
Acetone	ug/L	100	103	103	50-175	
Benzene	ug/L	50	58.4	117	70-130	
Bromobenzene	ug/L	50	57.1	114	70-130	
Bromochloromethane	ug/L	50	58.3	117	70-130	
Bromodichloromethane	ug/L	50	47.3	95	70-130	
Bromoform	ug/L	50	44.1	88	70-130	
Bromomethane	ug/L	50	69.6	139	54-130	L0
Carbon tetrachloride	ug/L	50	50.6	101	70-132	
Chlorobenzene	ug/L	50	58.2	116	70-130	
Chloroethane	ug/L	50	57.8	116	64-134	
Chloroform	ug/L	50	47.4	95	70-130	
Chloromethane	ug/L	50	58.1	116	64-130	
cis-1,2-Dichloroethene	ug/L	50	56.8	114	70-131	
cis-1,3-Dichloropropene	ug/L	50	60.9	122	70-130	
Dibromochloromethane	ug/L	50	50.5	101	70-130	
Dibromomethane	ug/L	50	52.7	105	70-131	
Dichlorodifluoromethane	ug/L	50	50.2	100	56-130	
Diisopropyl ether	ug/L	50	62.8	126	70-130	
Ethylbenzene	ug/L	50	55.8	112	70-130	
Hexachloro-1,3-butadiene	ug/L	50	61.8	124	70-130	
m&p-Xylene	ug/L	100	112	112	70-130	
Methyl-tert-butyl ether	ug/L	50	53.6	107	70-130	
Methylene Chloride	ug/L	50	54.0	108	63-130	
Naphthalene	ug/L	50	61.2	122	70-138	
o-Xylene	ug/L	50	55.8	112	70-130	
p-Isopropyltoluene	ug/L	50	62.9	126	70-130	
Styrene	ug/L	50	59.0	118	70-130	
Tetrachloroethene	ug/L	50	55.3	111	70-130	
Toluene	ug/L	50	57.4	115	70-130	
trans-1,2-Dichloroethene	ug/L	50	54.2	108	70-130	
trans-1,3-Dichloropropene	ug/L	50	58.2	116	70-132	
Trichloroethene	ug/L	50	54.0	108	70-130	
Trichlorofluoromethane	ug/L	50	46.6	93	62-133	
Vinyl acetate	ug/L	100	119	119	66-157	
Vinyl chloride	ug/L	50	64.1	128	50-150	
Xylene (Total)	ug/L	150	168	112	70-130	
1,2-Dichloroethane-d4 (S)	%			81	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			100	70-130	

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R2

Pace Project No.: 92247494

MATRIX SPIKE SAMPLE: 1450551		92247961001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	24.0	120	70-130	
1,1,1-Trichloroethane	ug/L	ND	20	24.8	124	70-130	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	22.9	114	70-130	
1,1,2-Trichloroethane	ug/L	ND	20	22.6	113	70-130	
1,1-Dichloroethane	ug/L	ND	20	23.6	118	70-130	
1,1-Dichloroethene	ug/L	ND	20	23.7	119	70-166	
1,1-Dichloropropene	ug/L	ND	20	26.4	132	70-130	M1
1,2,3-Trichlorobenzene	ug/L	ND	20	24.1	121	70-130	
1,2,3-Trichloropropane	ug/L	ND	20	23.6	118	70-130	
1,2,4-Trichlorobenzene	ug/L	ND	20	24.0	120	70-130	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	23.3	116	70-130	
1,2-Dibromoethane (EDB)	ug/L	ND	20	23.5	118	70-130	
1,2-Dichlorobenzene	ug/L	ND	20	23.9	120	70-130	
1,2-Dichloroethane	ug/L	ND	20	22.3	112	70-130	
1,2-Dichloropropane	ug/L	ND	20	23.2	116	70-130	
1,3-Dichlorobenzene	ug/L	ND	20	24.0	120	70-130	
1,3-Dichloropropane	ug/L	ND	20	23.1	116	70-130	
1,4-Dichlorobenzene	ug/L	ND	20	24.2	121	70-130	
2,2-Dichloropropane	ug/L	ND	20	25.1	126	70-130	
2-Butanone (MEK)	ug/L	ND	40	41.5	104	70-130	
2-Chlorotoluene	ug/L	ND	20	25.9	130	70-130	
2-Hexanone	ug/L	ND	40	43.9	110	70-130	
4-Chlorotoluene	ug/L	ND	20	24.1	121	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	42.9	107	70-130	
Acetone	ug/L	ND	40	39.4	94	70-130	
Benzene	ug/L	ND	20	24.8	124	70-148	
Bromobenzene	ug/L	ND	20	24.2	121	70-130	
Bromochloromethane	ug/L	ND	20	25.0	125	70-130	
Bromodichloromethane	ug/L	ND	20	21.7	109	70-130	
Bromoform	ug/L	ND	20	21.3	106	70-130	
Bromomethane	ug/L	ND	20	32.2	161	70-130	M0
Carbon tetrachloride	ug/L	ND	20	27.7	138	70-130	M1
Chlorobenzene	ug/L	ND	20	24.2	121	70-146	
Chloroethane	ug/L	ND	20	22.0	110	70-130	
Chloroform	ug/L	ND	20	21.9	110	70-130	
Chloromethane	ug/L	ND	20	22.0	110	70-130	
cis-1,2-Dichloroethene	ug/L	ND	20	23.5	118	70-130	
cis-1,3-Dichloropropene	ug/L	ND	20	23.5	118	70-130	
Dibromochloromethane	ug/L	ND	20	22.7	114	70-130	
Dibromomethane	ug/L	ND	20	23.1	115	70-130	
Dichlorodifluoromethane	ug/L	ND	20	18.0	90	70-130	
Diisopropyl ether	ug/L	ND	20	22.8	114	70-130	
Ethylbenzene	ug/L	ND	20	25.1	125	70-130	
Hexachloro-1,3-butadiene	ug/L	ND	20	29.4	147	70-130	M1
m&p-Xylene	ug/L	ND	40	50.0	125	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	22.0	110	70-130	
Methylene Chloride	ug/L	ND	20	21.4	103	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R2

Pace Project No.: 92247494

MATRIX SPIKE SAMPLE: 1450551		92247961001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Naphthalene	ug/L	ND	20	23.6	118	70-130	
o-Xylene	ug/L	ND	20	25.0	125	70-130	
p-Isopropyltoluene	ug/L	ND	20	25.7	128	70-130	
Styrene	ug/L	ND	20	24.9	125	70-130	
Tetrachloroethene	ug/L	ND	20	25.5	128	70-130	
Toluene	ug/L	ND	20	24.5	123	70-155	
trans-1,2-Dichloroethene	ug/L	ND	20	23.6	118	70-130	
trans-1,3-Dichloropropene	ug/L	ND	20	23.8	119	70-130	
Trichloroethene	ug/L	ND	20	25.8	129	69-151	
Trichlorofluoromethane	ug/L	ND	20	23.4	117	70-130	
Vinyl acetate	ug/L	ND	40	43.3	108	70-130	
Vinyl chloride	ug/L	ND	20	22.9	115	70-130	
1,2-Dichloroethane-d4 (S)	%				96	70-130	
4-Bromofluorobenzene (S)	%				103	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 1450552

Parameter	Units	92247961002	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
2-Hexanone	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R2

Pace Project No.: 92247494

SAMPLE DUPLICATE: 1450552

Parameter	Units	92247961002 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	2.5	2.7	8	30	
Toluene	ug/L	0.40	0.41J		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl acetate	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	112	101	10		
4-Bromofluorobenzene (S)	%	103	105	1		
Toluene-d8 (S)	%	98	100	1		

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R2

Pace Project No.: 92247494

QC Batch: OEXT/34762 Analysis Method: EPA 8015 Modified

QC Batch Method: EPA 3510 Analysis Description: 8015 GCS

Associated Lab Samples: 92247494001, 92247494002

METHOD BLANK: 1449565

Matrix: Water

Associated Lab Samples: 92247494001, 92247494002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics(C10-C28)	mg/L	0.71	0.50	05/07/15 23:41	
n-Pentacosane (S)	%	88	48-110	05/07/15 23:41	

LABORATORY CONTROL SAMPLE & LCSD: 1449566

1449567

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics(C10-C28)	mg/L	10	6.1	6.2	61	62	41-114	2	30	
n-Pentacosane (S)	%				96	95	48-110			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R2

Pace Project No.: 92247494

QC Batch: OEXT/34764

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 Water MSSV

Associated Lab Samples: 92247494001, 92247494002

METHOD BLANK: 1449638

Matrix: Water

Associated Lab Samples: 92247494001, 92247494002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	05/06/15 09:27	
1,2-Dichlorobenzene	ug/L	ND	10.0	05/06/15 09:27	
1,3-Dichlorobenzene	ug/L	ND	10.0	05/06/15 09:27	
1,4-Dichlorobenzene	ug/L	ND	10.0	05/06/15 09:27	
1-Methylnaphthalene	ug/L	ND	10.0	05/06/15 09:27	
2,4,5-Trichlorophenol	ug/L	ND	10.0	05/06/15 09:27	
2,4,6-Trichlorophenol	ug/L	ND	10.0	05/06/15 09:27	
2,4-Dichlorophenol	ug/L	ND	10.0	05/06/15 09:27	
2,4-Dimethylphenol	ug/L	ND	10.0	05/06/15 09:27	
2,4-Dinitrophenol	ug/L	ND	50.0	05/06/15 09:27	
2,4-Dinitrotoluene	ug/L	ND	10.0	05/06/15 09:27	
2,6-Dinitrotoluene	ug/L	ND	10.0	05/06/15 09:27	
2-Chloronaphthalene	ug/L	ND	10.0	05/06/15 09:27	
2-Chlorophenol	ug/L	ND	10.0	05/06/15 09:27	
2-Methylnaphthalene	ug/L	ND	10.0	05/06/15 09:27	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	05/06/15 09:27	
2-Nitroaniline	ug/L	ND	50.0	05/06/15 09:27	
2-Nitrophenol	ug/L	ND	10.0	05/06/15 09:27	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	05/06/15 09:27	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	05/06/15 09:27	
3-Nitroaniline	ug/L	ND	50.0	05/06/15 09:27	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	05/06/15 09:27	
4-Bromophenylphenyl ether	ug/L	ND	10.0	05/06/15 09:27	
4-Chloro-3-methylphenol	ug/L	ND	20.0	05/06/15 09:27	
4-Chloroaniline	ug/L	ND	20.0	05/06/15 09:27	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	05/06/15 09:27	
4-Nitroaniline	ug/L	ND	20.0	05/06/15 09:27	
4-Nitrophenol	ug/L	ND	50.0	05/06/15 09:27	
Acenaphthene	ug/L	ND	10.0	05/06/15 09:27	
Acenaphthylene	ug/L	ND	10.0	05/06/15 09:27	
Aniline	ug/L	ND	10.0	05/06/15 09:27	
Anthracene	ug/L	ND	10.0	05/06/15 09:27	
Benzo(a)anthracene	ug/L	ND	10.0	05/06/15 09:27	
Benzo(a)pyrene	ug/L	ND	10.0	05/06/15 09:27	
Benzo(b)fluoranthene	ug/L	ND	10.0	05/06/15 09:27	
Benzo(g,h,i)perylene	ug/L	ND	10.0	05/06/15 09:27	
Benzo(k)fluoranthene	ug/L	ND	10.0	05/06/15 09:27	
Benzoic Acid	ug/L	ND	50.0	05/06/15 09:27	
Benzyl alcohol	ug/L	ND	20.0	05/06/15 09:27	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	05/06/15 09:27	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	05/06/15 09:27	

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R2

Pace Project No.: 92247494

METHOD BLANK: 1449638

Matrix: Water

Associated Lab Samples: 92247494001, 92247494002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	05/06/15 09:27	
bis(2-Ethylhexyl)phthalate	ug/L	ND	6.0	05/06/15 09:27	
Butylbenzylphthalate	ug/L	ND	10.0	05/06/15 09:27	
Chrysene	ug/L	ND	10.0	05/06/15 09:27	
Di-n-butylphthalate	ug/L	ND	10.0	05/06/15 09:27	
Di-n-octylphthalate	ug/L	ND	10.0	05/06/15 09:27	
Dibenz(a,h)anthracene	ug/L	ND	10.0	05/06/15 09:27	
Dibenzofuran	ug/L	ND	10.0	05/06/15 09:27	
Diethylphthalate	ug/L	ND	10.0	05/06/15 09:27	
Dimethylphthalate	ug/L	ND	10.0	05/06/15 09:27	
Fluoranthene	ug/L	ND	10.0	05/06/15 09:27	
Fluorene	ug/L	ND	10.0	05/06/15 09:27	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	05/06/15 09:27	
Hexachlorobenzene	ug/L	ND	10.0	05/06/15 09:27	
Hexachlorocyclopentadiene	ug/L	ND	10.0	05/06/15 09:27	
Hexachloroethane	ug/L	ND	10.0	05/06/15 09:27	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	05/06/15 09:27	
Isophorone	ug/L	ND	10.0	05/06/15 09:27	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	05/06/15 09:27	
N-Nitrosodimethylamine	ug/L	ND	10.0	05/06/15 09:27	
N-Nitrosodiphenylamine	ug/L	ND	10.0	05/06/15 09:27	
Naphthalene	ug/L	ND	10.0	05/06/15 09:27	
Nitrobenzene	ug/L	ND	10.0	05/06/15 09:27	
Pentachlorophenol	ug/L	ND	25.0	05/06/15 09:27	
Phenanthrene	ug/L	ND	10.0	05/06/15 09:27	
Phenol	ug/L	ND	10.0	05/06/15 09:27	
Pyrene	ug/L	ND	10.0	05/06/15 09:27	
2,4,6-Tribromophenol (S)	%	79	27-110	05/06/15 09:27	
2-Fluorobiphenyl (S)	%	70	27-110	05/06/15 09:27	
2-Fluorophenol (S)	%	40	12-110	05/06/15 09:27	
Nitrobenzene-d5 (S)	%	77	21-110	05/06/15 09:27	
Phenol-d6 (S)	%	32	10-110	05/06/15 09:27	
Terphenyl-d14 (S)	%	83	31-107	05/06/15 09:27	

LABORATORY CONTROL SAMPLE: 1449639

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	26.9	54	31-120	
1,2-Dichlorobenzene	ug/L	50	36.0	72	38-120	
1,3-Dichlorobenzene	ug/L	50	32.3	65	30-122	
1,4-Dichlorobenzene	ug/L	50	34.0	68	37-120	
1-Methylnaphthalene	ug/L	50	33.2	66	34-113	
2,4,5-Trichlorophenol	ug/L	50	46.7	93	43-113	
2,4,6-Trichlorophenol	ug/L	50	47.5	95	42-120	

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R2

Pace Project No.: 92247494

LABORATORY CONTROL SAMPLE: 1449639

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dichlorophenol	ug/L	50	35.8	72	30-120	
2,4-Dimethylphenol	ug/L	50	33.8	68	29-111	
2,4-Dinitrophenol	ug/L	250	230	92	19-132	
2,4-Dinitrotoluene	ug/L	50	49.2	98	58-128	
2,6-Dinitrotoluene	ug/L	50	48.2	96	54-129	
2-Chloronaphthalene	ug/L	50	39.3	79	43-117	
2-Chlorophenol	ug/L	50	42.4	85	37-120	
2-Methylnaphthalene	ug/L	50	29.4	59	33-120	
2-Methylphenol(o-Cresol)	ug/L	50	39.7	79	31-120	
2-Nitroaniline	ug/L	100	120	120	48-121	
2-Nitrophenol	ug/L	50	34.8	70	25-116	
3&4-Methylphenol(m&p Cresol)	ug/L	50	35.1	70	23-120	
3,3'-Dichlorobenzidine	ug/L	100	84.8	85	10-154	
3-Nitroaniline	ug/L	100	101	101	43-115	
4,6-Dinitro-2-methylphenol	ug/L	100	94.6	95	44-124	
4-Bromophenylphenyl ether	ug/L	50	40.2	80	34-113	
4-Chloro-3-methylphenol	ug/L	100	77.7	78	31-110	
4-Chloroaniline	ug/L	100	68.1	68	20-120	
4-Chlorophenylphenyl ether	ug/L	50	43.4	87	34-116	
4-Nitroaniline	ug/L	100	109	109	46-128	
4-Nitrophenol	ug/L	250	111	44	11-120	
Acenaphthene	ug/L	50	44.2	88	48-114	
Acenaphthylene	ug/L	50	42.4	85	48-112	
Aniline	ug/L	50	34.7	69	26-120	
Anthracene	ug/L	50	45.5	91	57-118	
Benzo(a)anthracene	ug/L	50	41.8	84	56-121	
Benzo(a)pyrene	ug/L	50	43.1	86	55-127	
Benzo(b)fluoranthene	ug/L	50	42.5	85	53-128	
Benzo(g,h,i)perylene	ug/L	50	44.7	89	54-125	
Benzo(k)fluoranthene	ug/L	50	41.4	83	51-123	
Benzoic Acid	ug/L	250	74.5	30	10-120	
Benzyl alcohol	ug/L	100	85.7	86	27-120	
bis(2-Chloroethoxy)methane	ug/L	50	38.7	77	32-120	
bis(2-Chloroethyl) ether	ug/L	50	49.6	99	33-111	
bis(2-Chloroisopropyl) ether	ug/L	50	60.5	121	15-120	L0
bis(2-Ethylhexyl)phthalate	ug/L	50	51.5	103	50-145	
Butylbenzylphthalate	ug/L	50	51.3	103	54-138	
Chrysene	ug/L	50	42.7	85	58-127	
Di-n-butylphthalate	ug/L	50	55.0	110	56-125	
Di-n-octylphthalate	ug/L	50	53.5	107	50-134	
Dibenz(a,h)anthracene	ug/L	50	44.9	90	53-129	
Dibenzofuran	ug/L	50	44.8	90	45-120	
Diethylphthalate	ug/L	50	54.5	109	53-120	
Dimethylphthalate	ug/L	50	51.3	103	55-116	
Fluoranthene	ug/L	50	44.1	88	57-125	
Fluorene	ug/L	50	45.6	91	53-118	
Hexachloro-1,3-butadiene	ug/L	50	24.6	49	23-120	

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R2

Pace Project No.: 92247494

LABORATORY CONTROL SAMPLE: 1449639

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorobenzene	ug/L	50	37.8	76	49-116	
Hexachlorocyclopentadiene	ug/L	50	23.0	46	26-158	
Hexachloroethane	ug/L	50	34.1	68	30-114	
Indeno(1,2,3-cd)pyrene	ug/L	50	43.9	88	55-128	
Isophorone	ug/L	50	40.1	80	31-118	
N-Nitroso-di-n-propylamine	ug/L	50	57.8	116	32-119	
N-Nitrosodimethylamine	ug/L	50	25.6	51	13-120	
N-Nitrosodiphenylamine	ug/L	50	45.0	90	43-120	
Naphthalene	ug/L	50	30.6	61	32-120	
Nitrobenzene	ug/L	50	38.3	77	33-110	
Pentachlorophenol	ug/L	100	87.7	88	10-137	
Phenanthrene	ug/L	50	45.4	91	57-117	
Phenol	ug/L	50	23.5	47	10-120	
Pyrene	ug/L	50	40.9	82	55-122	
2,4,6-Tribromophenol (S)	%			88	27-110	
2-Fluorobiphenyl (S)	%			78	27-110	
2-Fluorophenol (S)	%			46	12-110	
Nitrobenzene-d5 (S)	%			70	21-110	
Phenol-d6 (S)	%			39	10-110	
Terphenyl-d14 (S)	%			87	31-107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1449640 1449641

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		92247303004 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,2,4-Trichlorobenzene	ug/L	ND	100	100	58.8	57.5	59	58	10-110	2	30	
1,2-Dichlorobenzene	ug/L	ND	100	100	70.6	74.5	71	74	10-110	5	30	
1,3-Dichlorobenzene	ug/L	ND	100	100	67.9	69.8	68	70	10-110	3	30	
1,4-Dichlorobenzene	ug/L	ND	100	100	70.2	72.5	70	72	10-110	3	30	
1-Methylnaphthalene	ug/L	ND	100	100	63.5	65.9	63	66	14-110	4	30	
2,4,5-Trichlorophenol	ug/L	ND	100	100	91.1	90.5	91	91	19-105	1	30	
2,4,6-Trichlorophenol	ug/L	ND	100	100	90.7	89.5	91	89	13-108	1	30	
2,4-Dichlorophenol	ug/L	ND	100	100	68.3	67.2	68	67	29-111	2	30	
2,4-Dimethylphenol	ug/L	ND	100	100	65.2	66.9	65	67	21-103	2	30	
2,4-Dinitrophenol	ug/L	ND	500	500	351	427	70	85	10-109	19	30	
2,4-Dinitrotoluene	ug/L	ND	100	100	93.4	92.5	93	92	27-104	1	30	
2,6-Dinitrotoluene	ug/L	ND	100	100	91.3	90.7	91	91	28-101	1	30	
2-Chloronaphthalene	ug/L	ND	100	100	77.7	74.8	78	75	14-102	4	30	
2-Chlorophenol	ug/L	ND	100	100	74.5	81.2	75	81	16-110	9	30	
2-Methylnaphthalene	ug/L	ND	100	100	56.5	58.4	57	58	13-110	3	30	
2-Methylphenol(o-Cresol)	ug/L	ND	100	100	70.6	78.9	71	79	19-110	11	30	
2-Nitroaniline	ug/L	ND	200	200	225	219	112	110	26-103	3	30	M1
2-Nitrophenol	ug/L	ND	100	100	62.8	63.6	63	64	20-110	1	30	
3&4-Methylphenol(m&p Cresol)	ug/L	4.0J	100	100	74.3	80.1	70	76	20-110	7	30	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R2

Pace Project No.: 92247494

Parameter	Units	92247303004		MS		MSD		MS		MSD		% Rec	Limits	RPD	Max RPD	Qual	
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec								
MATRIX SPIKE & MATRIX SPIKE DUPLICATE:			1449640														
3,3'-Dichlorobenzidine	ug/L	ND	200	200	117	113	59	56	25-112	4	30						
3-Nitroaniline	ug/L	ND	200	200	193	186	96	93	29-110	3	30						
4,6-Dinitro-2-methylphenol	ug/L	ND	200	200	171	168	86	84	10-117	2	30						
4-Bromophenylphenyl ether	ug/L	ND	100	100	76.0	69.2	76	69	20-105	9	30						
4-Chloro-3-methylphenol	ug/L	ND	200	200	154	155	77	78	22-110	0	30						
4-Chloroaniline	ug/L	ND	200	200	122	124	61	62	20-100	2	30						
4-Chlorophenylphenyl ether	ug/L	ND	100	100	82.5	80.0	83	80	19-102	3	30						
4-Nitroaniline	ug/L	ND	200	200	222	221	111	110	29-110	1	30	M1					
4-Nitrophenol	ug/L	ND	500	500	275	324	55	65	10-110	16	30						
Acenaphthene	ug/L	ND	100	100	83.4	81.0	83	81	17-100	3	30						
Acenaphthylene	ug/L	ND	100	100	80.4	78.9	80	79	21-100	2	30						
Aniline	ug/L	ND	100	100	65.4	69.2	65	69	10-110	6	30						
Anthracene	ug/L	ND	100	100	86.7	82.3	87	82	24-109	5	30						
Benzo(a)anthracene	ug/L	ND	100	100	78.1	73.5	78	74	22-117	6	30						
Benzo(a)pyrene	ug/L	ND	100	100	82.7	76.4	83	76	23-104	8	30						
Benzo(b)fluoranthene	ug/L	ND	100	100	82.1	77.0	82	77	23-103	6	30						
Benzo(g,h,i)perylene	ug/L	ND	100	100	87.4	81.1	87	81	18-111	8	30						
Benzo(k)fluoranthene	ug/L	ND	100	100	77.8	73.5	78	74	22-113	6	30						
Benzoic Acid	ug/L	ND	500	500	41.1J	89.4J	8	18	10-110		30	M1					
Benzyl alcohol	ug/L	ND	200	200	155	171	78	85	19-101	10	30						
bis(2-Chloroethoxy)methane	ug/L	ND	100	100	70.0	70.3	70	70	22-110	0	30						
bis(2-Chloroethyl) ether	ug/L	ND	100	100	89.1	88.1	89	88	16-110	1	30						
bis(2-Chloroisopropyl) ether	ug/L	ND	100	100	107	109	107	109	14-110	3	30						
bis(2-Ethylhexyl)phthalate	ug/L	38.2	100	100	93.9	88.5	56	50	23-102	6	30						
Butylbenzylphthalate	ug/L	ND	100	100	93.2	89.6	93	90	25-110	4	30						
Chrysene	ug/L	ND	100	100	80.8	76.1	81	76	23-115	6	30						
Di-n-butylphthalate	ug/L	ND	100	100	106	98.9	106	99	26-110	7	30						
Di-n-octylphthalate	ug/L	ND	100	100	98.2	92.3	98	92	22-110	6	30						
Dibenz(a,h)anthracene	ug/L	ND	100	100	85.7	80.2	86	80	21-112	7	30						
Dibenzofuran	ug/L	ND	100	100	84.7	83.3	85	83	19-102	2	30						
Diethylphthalate	ug/L	ND	100	100	102	101	102	101	29-110	1	30						
Dimethylphthalate	ug/L	ND	100	100	95.0	94.4	95	94	27-110	1	30						
Fluoranthene	ug/L	ND	100	100	89.0	82.5	89	82	23-112	8	30						
Fluorene	ug/L	ND	100	100	86.7	85.2	87	85	22-104	2	30						
Hexachloro-1,3-butadiene	ug/L	ND	100	100	55.7	54.7	56	55	10-110	2	30						
Hexachlorobenzene	ug/L	ND	100	100	70.6	64.8	71	65	21-116	9	30						
Hexachlorocyclopentadiene	ug/L	ND	100	100	43.8	42.6	44	43	10-110	3	30						
Hexachloroethane	ug/L	ND	100	100	70.1	73.6	70	74	10-110	5	30						
Indeno(1,2,3-cd)pyrene	ug/L	ND	100	100	85.6	79.7	86	80	20-113	7	30						
Isophorone	ug/L	ND	100	100	70.6	73.9	71	74	50-150	5	30						
N-Nitroso-di-n-propylamine	ug/L	ND	100	100	95.9	102	96	102	21-105	6	30						
N-Nitrosodimethylamine	ug/L	ND	100	100	64.8	71.5	65	72	10-110	10	30						
N-Nitrosodiphenylamine	ug/L	ND	100	100	86.3	80.2	86	80	23-107	7	30						
Naphthalene	ug/L	ND	100	100	61.6	61.2	62	61	10-110	1	30						
Nitrobenzene	ug/L	ND	100	100	70.3	70.8	70	71	20-110	1	30						
Pentachlorophenol	ug/L	ND	200	200	168	169	84	84	10-118	0	30						

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R2

Pace Project No.: 92247494

Parameter	Units	1449640		1449641		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		92247303004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Phenanthrene	ug/L	ND	100	100	87.1	81.4	87	81	24-106	7	30		
Phenol	ug/L	ND	100	100	51.2	59.3	51	59	12-110	15	30		
Pyrene	ug/L	ND	100	100	72.2	69.3	72	69	24-114	4	30		
2,4,6-Tribromophenol (S)	%						81	74	27-110				
2-Fluorobiphenyl (S)	%						73	69	27-110				
2-Fluorophenol (S)	%						50	55	12-110				
Nitrobenzene-d5 (S)	%						65	63	21-110				
Phenol-d6 (S)	%						45	52	10-110				
Terphenyl-d14 (S)	%						66	63	31-107				

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QUALIFIERS

Project: Buzzard Point, Washington DC R2
Pace Project No.: 92247494

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
Acid preservation may not be appropriate for 2 Chloroethylvinyl ether, Styrene, and Vinyl chloride.
A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-A Pace Analytical Services - Asheville
PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buzzard Point, Washington DC R2
Pace Project No.: 92247494

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92247494001	GTW-605-802-7-2	EPA 3510	OEXT/34762	EPA 8015 Modified	GCSV/21237
92247494002	GTW-605-802-2-3	EPA 3510	OEXT/34762	EPA 8015 Modified	GCSV/21237
92247494001	GTW-605-802-7-2	EPA 5030/8015 Mod.	GCV/9322		
92247494002	GTW-605-802-2-3	EPA 5030/8015 Mod.	GCV/9322		
92247494001	GTW-605-802-7-2	EPA 3010	MPRP/18383	EPA 6010	ICP/16506
92247494002	GTW-605-802-2-3	EPA 3010	MPRP/18383	EPA 6010	ICP/16506
92247494001	GTW-605-802-7-2	EPA 7470	MERP/7785	EPA 7470	MERC/7469
92247494002	GTW-605-802-2-3	EPA 7470	MERP/7785	EPA 7470	MERC/7469
92247494001	GTW-605-802-7-2	EPA 3510	OEXT/34764	EPA 8270	MSSV/10634
92247494002	GTW-605-802-2-3	EPA 3510	OEXT/34764	EPA 8270	MSSV/10634
92247494003	TRIP BLANK	EPA 8260	MSV/31503		

REPORT OF LABORATORY ANALYSIS

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Document Name:
Sample Condition Upon Receipt (SCUR)
 Document Number:
F-CHR-CS-003-rev.15

Document Revised: September 22, 2014
 Page 1 of 2
 Issuing Authority:
 Pace Huntersville Quality Office

Client Name: Haley & Alrich

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used: IR Gun T(401) Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Temp Correction Factor T1401 No Correction

Corrected Cooler Temp.: 3.9 °C Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Optional
 Proj. Due Date:
 Proj. Name:
 Date and Initials of person examining contents: AP 09-15

		Comments:
Chain of Custody Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review:

AMB

Date:

4-29-15

SRF Review:

AS

Date:

043075

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

WO#: 92247494



92247494

(available)

May 27, 2015

Dana Kennard
Haley & Aldrich, Inc

RE: Project: Buzzard Point, Washington DC R1
Pace Project No.: 92247497

Dear Dana Kennard:

Enclosed are the analytical results for sample(s) received by the laboratory on April 29, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

This report was revised to report down to the MDL for all parameters.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Nicole Benjamin
nicole.benjamin@pacelabs.com
Project Manager

Enclosures

cc: Karin Holland
Pam Minor



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

Asheville Certification IDs

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92247497001	GTW-605-802-1-2	Water	04/27/15 11:20	04/29/15 09:30
92247497002	GTW-605-802-2-2	Water	04/27/15 12:56	04/29/15 09:30
92247497003	GTW-605-802-6-2	Water	04/27/15 15:50	04/29/15 09:30
92247497005	TRIP BLANK	Water	04/27/15 00:00	04/29/15 09:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92247497001	GTW-605-802-1-2	EPA 8015 Modified	CMI	2	PASI-C
		EPA 5030/8015 Mod.	BFW	2	PASI-C
		EPA 6010	JMW	22	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 8270	RES	74	PASI-C
92247497002	GTW-605-802-2-2	EPA 8015 Modified	CMI	2	PASI-C
		EPA 5030/8015 Mod.	BFW	2	PASI-C
		EPA 6010	JMW	22	PASI-A
		EPA 7470	HVK	1	PASI-A
		EPA 8270	RES	74	PASI-C
92247497003	GTW-605-802-6-2	EPA 8015 Modified	CMI	2	PASI-C
		EPA 6010	JMW	22	PASI-A
		EPA 7470	HVK	1	PASI-A
92247497005	TRIP BLANK	EPA 8260	SNP	63	PASI-C

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Buzzard Point, Washington DC R1
Pace Project No.: 92247497

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92247497001	GTW-605-802-1-2					
EPA 6010	Aluminum	3030	ug/L	100	05/01/15 15:33	
EPA 6010	Barium	33.5	ug/L	5.0	05/01/15 15:33	
EPA 6010	Beryllium	0.19J	ug/L	1.0	05/01/15 15:33	
EPA 6010	Calcium	47600	ug/L	100	05/01/15 15:33	
EPA 6010	Chromium	5.9	ug/L	5.0	05/01/15 15:33	
EPA 6010	Cobalt	28.8	ug/L	5.0	05/01/15 15:33	
EPA 6010	Copper	14.7	ug/L	5.0	05/01/15 15:33	
EPA 6010	Iron	6210	ug/L	50.0	05/01/15 15:33	
EPA 6010	Lead	6.5	ug/L	5.0	05/01/15 15:33	
EPA 6010	Magnesium	37300	ug/L	100	05/01/15 15:33	
EPA 6010	Manganese	4570	ug/L	5.0	05/01/15 15:33	
EPA 6010	Nickel	14.7	ug/L	5.0	05/01/15 15:33	
EPA 6010	Potassium	4750J	ug/L	5000	05/01/15 15:33	
EPA 6010	Sodium	208000	ug/L	50000	05/04/15 13:14	
EPA 6010	Vanadium	10.7	ug/L	5.0	05/01/15 15:33	
EPA 6010	Zinc	28.2	ug/L	10.0	05/01/15 15:33	
92247497002	GTW-605-802-2-2					
EPA 8015 Modified	Diesel Range Organics(C10-C28)	0.62	mg/L	0.50	05/08/15 00:52	B,P2
EPA 6010	Aluminum	4580	ug/L	100	05/01/15 15:36	
EPA 6010	Antimony	8.6	ug/L	5.0	05/01/15 15:36	
EPA 6010	Arsenic	7.4J	ug/L	10.0	05/01/15 15:36	
EPA 6010	Barium	33.6	ug/L	5.0	05/01/15 15:36	
EPA 6010	Beryllium	0.31J	ug/L	1.0	05/01/15 15:36	
EPA 6010	Cadmium	0.41J	ug/L	1.0	05/01/15 15:36	
EPA 6010	Calcium	48600	ug/L	100	05/01/15 15:36	
EPA 6010	Chromium	11.7	ug/L	5.0	05/01/15 15:36	
EPA 6010	Cobalt	92.0	ug/L	5.0	05/01/15 15:36	
EPA 6010	Copper	9.5	ug/L	5.0	05/01/15 15:36	
EPA 6010	Iron	10500	ug/L	50.0	05/01/15 15:36	
EPA 6010	Lead	8.8	ug/L	5.0	05/01/15 15:36	
EPA 6010	Magnesium	46000	ug/L	100	05/01/15 15:36	
EPA 6010	Manganese	5450	ug/L	5.0	05/01/15 15:36	
EPA 6010	Nickel	35.5	ug/L	5.0	05/01/15 15:36	
EPA 6010	Potassium	2960J	ug/L	5000	05/01/15 15:36	
EPA 6010	Sodium	768000	ug/L	100000	05/04/15 13:17	
EPA 6010	Vanadium	16.0	ug/L	5.0	05/01/15 15:36	
EPA 6010	Zinc	59.3	ug/L	10.0	05/01/15 15:36	
92247497003	GTW-605-802-6-2					
EPA 8015 Modified	Diesel Range Organics(C10-C28)	1.2	mg/L	0.50	05/08/15 00:52	B,P2
EPA 6010	Aluminum	3690	ug/L	100	05/01/15 15:40	
EPA 6010	Barium	127	ug/L	5.0	05/01/15 15:40	
EPA 6010	Beryllium	0.37J	ug/L	1.0	05/01/15 15:40	
EPA 6010	Cadmium	0.097J	ug/L	1.0	05/01/15 15:40	
EPA 6010	Calcium	14000	ug/L	100	05/01/15 15:40	
EPA 6010	Chromium	8.9	ug/L	5.0	05/01/15 15:40	
EPA 6010	Cobalt	60.8	ug/L	5.0	05/01/15 15:40	

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SUMMARY OF DETECTION

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92247497003	GTW-605-802-6-2					
EPA 6010	Copper	12.1	ug/L	5.0	05/01/15 15:40	
EPA 6010	Iron	10500	ug/L	50.0	05/01/15 15:40	
EPA 6010	Lead	15.2	ug/L	5.0	05/01/15 15:40	
EPA 6010	Magnesium	15400	ug/L	100	05/01/15 15:40	
EPA 6010	Manganese	2740	ug/L	5.0	05/01/15 15:40	
EPA 6010	Nickel	18.4	ug/L	5.0	05/01/15 15:40	
EPA 6010	Sodium	252000	ug/L	50000	05/02/15 00:33	
EPA 6010	Vanadium	10.6	ug/L	5.0	05/01/15 15:40	
EPA 6010	Zinc	77.7	ug/L	10.0	05/01/15 15:40	
92247497005	TRIP BLANK					
EPA 8260	Acetone	11.6J	ug/L	25.0	05/06/15 01:54	
EPA 8260	Methylene Chloride	2.8	ug/L	2.0	05/06/15 01:54	

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R1

Sample Project No.: 92247497

Sample: GTW-605-802-1-2 Lab ID: 92247497001 Collected: 04/27/15 11:20 Received: 04/29/15 09:30 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	ND	mg/L	0.50	0.10	1	05/04/15 16:00	05/08/15 00:28		
Surrogates									
n-Pentacosane (S)	80	%	48-110		1	05/04/15 16:00	05/08/15 00:28	629-99-2	
Gasoline Range Organics Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	ND	mg/L	0.080	0.016	1		05/10/15 21:34		
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-145		1		05/10/15 21:34	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Aluminum	3030	ug/L	100	50.0	1	04/30/15 13:40	05/01/15 15:33	7429-90-5	
Antimony	ND	ug/L	5.0	3.9	1	04/30/15 13:40	05/01/15 15:33	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	04/30/15 13:40	05/01/15 15:33	7440-38-2	
Barium	33.5	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:33	7440-39-3	
Beryllium	0.19J	ug/L	1.0	0.050	1	04/30/15 13:40	05/01/15 15:33	7440-41-7	
Cadmium	ND	ug/L	1.0	0.050	1	04/30/15 13:40	05/01/15 15:33	7440-43-9	
Calcium	47600	ug/L	100	50.0	1	04/30/15 13:40	05/01/15 15:33	7440-70-2	
Chromium	5.9	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:33	7440-47-3	
Cobalt	28.8	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:33	7440-48-4	
Copper	14.7	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:33	7440-50-8	
Iron	6210	ug/L	50.0	25.0	1	04/30/15 13:40	05/01/15 15:33	7439-89-6	
Lead	6.5	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:33	7439-92-1	
Magnesium	37300	ug/L	100	50.0	1	04/30/15 13:40	05/01/15 15:33	7439-95-4	
Manganese	4570	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:33	7439-96-5	
Nickel	14.7	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:33	7440-02-0	
Potassium	4750J	ug/L	5000	2500	1	04/30/15 13:40	05/01/15 15:33	7440-09-7	
Selenium	ND	ug/L	10.0	5.0	1	04/30/15 13:40	05/01/15 15:33	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:33	7440-22-4	
Sodium	208000	ug/L	50000	25000	10	04/30/15 13:40	05/04/15 13:14	7440-23-5	
Thallium	ND	ug/L	10.0	5.0	1	04/30/15 13:40	05/01/15 15:33	7440-28-0	
Vanadium	10.7	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:33	7440-62-2	
Zinc	28.2	ug/L	10.0	5.0	1	04/30/15 13:40	05/01/15 15:33	7440-66-6	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20	0.10	1	04/30/15 18:30	05/01/15 15:39	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0	1.1	1	05/04/15 17:00	05/06/15 13:05	83-32-9	
Acenaphthylene	ND	ug/L	10.0	0.99	1	05/04/15 17:00	05/06/15 13:05	208-96-8	
Aniline	ND	ug/L	10.0	0.80	1	05/04/15 17:00	05/06/15 13:05	62-53-3	
Anthracene	ND	ug/L	10.0	0.47	1	05/04/15 17:00	05/06/15 13:05	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.47	1	05/04/15 17:00	05/06/15 13:05	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.57	1	05/04/15 17:00	05/06/15 13:05	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.44	1	05/04/15 17:00	05/06/15 13:05	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.45	1	05/04/15 17:00	05/06/15 13:05	191-24-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

Sample: GTW-605-802-1-2 **Lab ID: 92247497001** Collected: 04/27/15 11:20 Received: 04/29/15 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(k)fluoranthene	ND	ug/L	10.0	0.53	1	05/04/15 17:00	05/06/15 13:05	207-08-9	
Benzoic Acid	ND	ug/L	50.0	4.9	1	05/04/15 17:00	05/06/15 13:05	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	2.1	1	05/04/15 17:00	05/06/15 13:05	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 13:05	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.48	1	05/04/15 17:00	05/06/15 13:05	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	2.0	1	05/04/15 17:00	05/06/15 13:05	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	1.6	1	05/04/15 17:00	05/06/15 13:05	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.3	1	05/04/15 17:00	05/06/15 13:05	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	0.89	1	05/04/15 17:00	05/06/15 13:05	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	0.86	1	05/04/15 17:00	05/06/15 13:05	108-60-1	L3
2-Chloronaphthalene	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 13:05	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 13:05	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1.1	1	05/04/15 17:00	05/06/15 13:05	7005-72-3	
Chrysene	ND	ug/L	10.0	0.49	1	05/04/15 17:00	05/06/15 13:05	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.49	1	05/04/15 17:00	05/06/15 13:05	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 13:05	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	0.71	1	05/04/15 17:00	05/06/15 13:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	0.78	1	05/04/15 17:00	05/06/15 13:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	0.81	1	05/04/15 17:00	05/06/15 13:05	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	0.69	1	05/04/15 17:00	05/06/15 13:05	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	0.85	1	05/04/15 17:00	05/06/15 13:05	120-83-2	
Diethylphthalate	ND	ug/L	10.0	0.91	1	05/04/15 17:00	05/06/15 13:05	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	0.96	1	05/04/15 17:00	05/06/15 13:05	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	0.62	1	05/04/15 17:00	05/06/15 13:05	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	0.37	1	05/04/15 17:00	05/06/15 13:05	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.1	1	05/04/15 17:00	05/06/15 13:05	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	2.5	1	05/04/15 17:00	05/06/15 13:05	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	0.92	1	05/04/15 17:00	05/06/15 13:05	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	2.1	1	05/04/15 17:00	05/06/15 13:05	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.12	1	05/04/15 17:00	05/06/15 13:05	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.49	1	05/04/15 17:00	05/06/15 13:05	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.41	1	05/04/15 17:00	05/06/15 13:05	206-44-0	
Fluorene	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 13:05	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.90	1	05/04/15 17:00	05/06/15 13:05	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	0.76	1	05/04/15 17:00	05/06/15 13:05	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.1	1	05/04/15 17:00	05/06/15 13:05	77-47-4	
Hexachloroethane	ND	ug/L	10.0	0.90	1	05/04/15 17:00	05/06/15 13:05	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	0.53	1	05/04/15 17:00	05/06/15 13:05	193-39-5	
Isophorone	ND	ug/L	10.0	0.92	1	05/04/15 17:00	05/06/15 13:05	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	0.92	1	05/04/15 17:00	05/06/15 13:05	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 13:05	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 13:05	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 13:05		
Naphthalene	ND	ug/L	10.0	0.93	1	05/04/15 17:00	05/06/15 13:05	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	1.5	1	05/04/15 17:00	05/06/15 13:05	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1.3	1	05/04/15 17:00	05/06/15 13:05	99-09-2	

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

Sample: GTW-605-802-1-2 **Lab ID: 92247497001** Collected: 04/27/15 11:20 Received: 04/29/15 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
4-Nitroaniline	ND	ug/L	20.0	1.6	1	05/04/15 17:00	05/06/15 13:05	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 13:05	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	0.71	1	05/04/15 17:00	05/06/15 13:05	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	3.9	1	05/04/15 17:00	05/06/15 13:05	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	0.94	1	05/04/15 17:00	05/06/15 13:05	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	0.85	1	05/04/15 17:00	05/06/15 13:05	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	0.64	1	05/04/15 17:00	05/06/15 13:05	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	1.2	1	05/04/15 17:00	05/06/15 13:05	87-86-5	
Phenanthrene	ND	ug/L	10.0	0.53	1	05/04/15 17:00	05/06/15 13:05	85-01-8	
Phenol	ND	ug/L	10.0	1.1	1	05/04/15 17:00	05/06/15 13:05	108-95-2	
Pyrene	ND	ug/L	10.0	0.49	1	05/04/15 17:00	05/06/15 13:05	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.3	1	05/04/15 17:00	05/06/15 13:05	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 13:05	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	0.85	1	05/04/15 17:00	05/06/15 13:05	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	30	%	21-110		1	05/04/15 17:00	05/06/15 13:05	4165-60-0	
2-Fluorobiphenyl (S)	28	%	27-110		1	05/04/15 17:00	05/06/15 13:05	321-60-8	
Terphenyl-d14 (S)	55	%	31-107		1	05/04/15 17:00	05/06/15 13:05	1718-51-0	
Phenol-d6 (S)	16	%	10-110		1	05/04/15 17:00	05/06/15 13:05	13127-88-3	
2-Fluorophenol (S)	18	%	12-110		1	05/04/15 17:00	05/06/15 13:05	367-12-4	
2,4,6-Tribromophenol (S)	47	%	27-110		1	05/04/15 17:00	05/06/15 13:05	118-79-6	

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R1

Sample Project No.: 92247497

Sample: GTW-605-802-2 Lab ID: 92247497002 Collected: 04/27/15 12:56 Received: 04/29/15 09:30 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	0.62	mg/L	0.50	0.10	1	05/04/15 16:00	05/08/15 00:52		B,P2
Surrogates									
n-Pentacosane (S)	94	%	48-110		1	05/04/15 16:00	05/08/15 00:52	629-99-2	
Gasoline Range Organics Analytical Method: EPA 5030/8015 Mod.									
Gas Range Organics (C6-C10)	ND	mg/L	0.080	0.016	1		05/10/15 22:00		
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-145		1		05/10/15 22:00	460-00-4	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Aluminum	4580	ug/L	100	50.0	1	04/30/15 13:40	05/01/15 15:36	7429-90-5	
Antimony	8.6	ug/L	5.0	3.9	1	04/30/15 13:40	05/01/15 15:36	7440-36-0	
Arsenic	7.4J	ug/L	10.0	5.0	1	04/30/15 13:40	05/01/15 15:36	7440-38-2	
Barium	33.6	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:36	7440-39-3	
Beryllium	0.31J	ug/L	1.0	0.050	1	04/30/15 13:40	05/01/15 15:36	7440-41-7	
Cadmium	0.41J	ug/L	1.0	0.050	1	04/30/15 13:40	05/01/15 15:36	7440-43-9	
Calcium	48600	ug/L	100	50.0	1	04/30/15 13:40	05/01/15 15:36	7440-70-2	
Chromium	11.7	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:36	7440-47-3	
Cobalt	92.0	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:36	7440-48-4	
Copper	9.5	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:36	7440-50-8	
Iron	10500	ug/L	50.0	25.0	1	04/30/15 13:40	05/01/15 15:36	7439-89-6	
Lead	8.8	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:36	7439-92-1	
Magnesium	46000	ug/L	100	50.0	1	04/30/15 13:40	05/01/15 15:36	7439-95-4	
Manganese	5450	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:36	7439-96-5	
Nickel	35.5	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:36	7440-02-0	
Potassium	2960J	ug/L	5000	2500	1	04/30/15 13:40	05/01/15 15:36	7440-09-7	
Selenium	ND	ug/L	10.0	5.0	1	04/30/15 13:40	05/01/15 15:36	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:36	7440-22-4	
Sodium	768000	ug/L	100000	50000	20	04/30/15 13:40	05/04/15 13:17	7440-23-5	
Thallium	ND	ug/L	10.0	5.0	1	04/30/15 13:40	05/01/15 15:36	7440-28-0	
Vanadium	16.0	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:36	7440-62-2	
Zinc	59.3	ug/L	10.0	5.0	1	04/30/15 13:40	05/01/15 15:36	7440-66-6	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20	0.10	1	04/30/15 18:30	05/01/15 15:42	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND	ug/L	10.0	1.1	1	05/04/15 17:00	05/06/15 13:32	83-32-9	
Acenaphthylene	ND	ug/L	10.0	0.99	1	05/04/15 17:00	05/06/15 13:32	208-96-8	
Aniline	ND	ug/L	10.0	0.80	1	05/04/15 17:00	05/06/15 13:32	62-53-3	
Anthracene	ND	ug/L	10.0	0.47	1	05/04/15 17:00	05/06/15 13:32	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	0.47	1	05/04/15 17:00	05/06/15 13:32	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	0.57	1	05/04/15 17:00	05/06/15 13:32	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	0.44	1	05/04/15 17:00	05/06/15 13:32	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	0.45	1	05/04/15 17:00	05/06/15 13:32	191-24-2	

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

Sample: GTW-605-802-2-2 **Lab ID: 92247497002** Collected: 04/27/15 12:56 Received: 04/29/15 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(k)fluoranthene	ND	ug/L	10.0	0.53	1	05/04/15 17:00	05/06/15 13:32	207-08-9	
Benzoic Acid	ND	ug/L	50.0	4.9	1	05/04/15 17:00	05/06/15 13:32	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	2.1	1	05/04/15 17:00	05/06/15 13:32	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 13:32	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.48	1	05/04/15 17:00	05/06/15 13:32	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	2.0	1	05/04/15 17:00	05/06/15 13:32	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	1.6	1	05/04/15 17:00	05/06/15 13:32	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.3	1	05/04/15 17:00	05/06/15 13:32	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	0.89	1	05/04/15 17:00	05/06/15 13:32	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	0.86	1	05/04/15 17:00	05/06/15 13:32	108-60-1	L3
2-Chloronaphthalene	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 13:32	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 13:32	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1.1	1	05/04/15 17:00	05/06/15 13:32	7005-72-3	
Chrysene	ND	ug/L	10.0	0.49	1	05/04/15 17:00	05/06/15 13:32	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	0.49	1	05/04/15 17:00	05/06/15 13:32	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 13:32	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	0.71	1	05/04/15 17:00	05/06/15 13:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	0.78	1	05/04/15 17:00	05/06/15 13:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	0.81	1	05/04/15 17:00	05/06/15 13:32	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	0.69	1	05/04/15 17:00	05/06/15 13:32	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	0.85	1	05/04/15 17:00	05/06/15 13:32	120-83-2	
Diethylphthalate	ND	ug/L	10.0	0.91	1	05/04/15 17:00	05/06/15 13:32	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	0.96	1	05/04/15 17:00	05/06/15 13:32	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	0.62	1	05/04/15 17:00	05/06/15 13:32	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	0.37	1	05/04/15 17:00	05/06/15 13:32	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1.1	1	05/04/15 17:00	05/06/15 13:32	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	2.5	1	05/04/15 17:00	05/06/15 13:32	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	0.92	1	05/04/15 17:00	05/06/15 13:32	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	2.1	1	05/04/15 17:00	05/06/15 13:32	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.12	1	05/04/15 17:00	05/06/15 13:32	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.49	1	05/04/15 17:00	05/06/15 13:32	117-81-7	
Fluoranthene	ND	ug/L	10.0	0.41	1	05/04/15 17:00	05/06/15 13:32	206-44-0	
Fluorene	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 13:32	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.90	1	05/04/15 17:00	05/06/15 13:32	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	0.76	1	05/04/15 17:00	05/06/15 13:32	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1.1	1	05/04/15 17:00	05/06/15 13:32	77-47-4	
Hexachloroethane	ND	ug/L	10.0	0.90	1	05/04/15 17:00	05/06/15 13:32	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	0.53	1	05/04/15 17:00	05/06/15 13:32	193-39-5	
Isophorone	ND	ug/L	10.0	0.92	1	05/04/15 17:00	05/06/15 13:32	78-59-1	
1-Methylnaphthalene	ND	ug/L	10.0	0.92	1	05/04/15 17:00	05/06/15 13:32	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 13:32	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 13:32	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 13:32		
Naphthalene	ND	ug/L	10.0	0.93	1	05/04/15 17:00	05/06/15 13:32	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	1.5	1	05/04/15 17:00	05/06/15 13:32	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1.3	1	05/04/15 17:00	05/06/15 13:32	99-09-2	

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

Sample: GTW-605-802-2-2 **Lab ID: 92247497002** Collected: 04/27/15 12:56 Received: 04/29/15 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
4-Nitroaniline	ND	ug/L	20.0	1.6	1	05/04/15 17:00	05/06/15 13:32	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 13:32	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	0.71	1	05/04/15 17:00	05/06/15 13:32	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	3.9	1	05/04/15 17:00	05/06/15 13:32	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	0.94	1	05/04/15 17:00	05/06/15 13:32	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	0.85	1	05/04/15 17:00	05/06/15 13:32	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	0.64	1	05/04/15 17:00	05/06/15 13:32	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	1.2	1	05/04/15 17:00	05/06/15 13:32	87-86-5	
Phenanthrene	ND	ug/L	10.0	0.53	1	05/04/15 17:00	05/06/15 13:32	85-01-8	
Phenol	ND	ug/L	10.0	1.1	1	05/04/15 17:00	05/06/15 13:32	108-95-2	
Pyrene	ND	ug/L	10.0	0.49	1	05/04/15 17:00	05/06/15 13:32	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1.3	1	05/04/15 17:00	05/06/15 13:32	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1.0	1	05/04/15 17:00	05/06/15 13:32	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	0.85	1	05/04/15 17:00	05/06/15 13:32	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	74	%	21-110		1	05/04/15 17:00	05/06/15 13:32	4165-60-0	
2-Fluorobiphenyl (S)	72	%	27-110		1	05/04/15 17:00	05/06/15 13:32	321-60-8	
Terphenyl-d14 (S)	80	%	31-107		1	05/04/15 17:00	05/06/15 13:32	1718-51-0	
Phenol-d6 (S)	32	%	10-110		1	05/04/15 17:00	05/06/15 13:32	13127-88-3	
2-Fluorophenol (S)	39	%	12-110		1	05/04/15 17:00	05/06/15 13:32	367-12-4	
2,4,6-Tribromophenol (S)	83	%	27-110		1	05/04/15 17:00	05/06/15 13:32	118-79-6	

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

Sample: GTW-605-802-6-2 Lab ID: 92247497003 Collected: 04/27/15 15:50 Received: 04/29/15 09:30 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510									
Diesel Range Organics(C10-C28)	1.2	mg/L	0.50	0.10	1	05/04/15 16:00	05/08/15 00:52		B,P2
Surrogates									
n-Pentacosane (S)	88	%	48-110		1	05/04/15 16:00	05/08/15 00:52	629-99-2	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Aluminum	3690	ug/L	100	50.0	1	04/30/15 13:40	05/01/15 15:40	7429-90-5	
Antimony	ND	ug/L	5.0	3.9	1	04/30/15 13:40	05/01/15 15:40	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	04/30/15 13:40	05/01/15 15:40	7440-38-2	
Barium	127	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:40	7440-39-3	
Beryllium	0.37J	ug/L	1.0	0.050	1	04/30/15 13:40	05/01/15 15:40	7440-41-7	
Cadmium	0.097J	ug/L	1.0	0.050	1	04/30/15 13:40	05/01/15 15:40	7440-43-9	
Calcium	14000	ug/L	100	50.0	1	04/30/15 13:40	05/01/15 15:40	7440-70-2	
Chromium	8.9	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:40	7440-47-3	
Cobalt	60.8	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:40	7440-48-4	
Copper	12.1	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:40	7440-50-8	
Iron	10500	ug/L	50.0	25.0	1	04/30/15 13:40	05/01/15 15:40	7439-89-6	
Lead	15.2	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:40	7439-92-1	
Magnesium	15400	ug/L	100	50.0	1	04/30/15 13:40	05/01/15 15:40	7439-95-4	
Manganese	2740	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:40	7439-96-5	
Nickel	18.4	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:40	7440-02-0	
Potassium	ND	ug/L	5000	2500	1	04/30/15 13:40	05/01/15 15:40	7440-09-7	
Selenium	ND	ug/L	10.0	5.0	1	04/30/15 13:40	05/01/15 15:40	7782-49-2	
Silver	ND	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:40	7440-22-4	
Sodium	252000	ug/L	50000	25000	10	04/30/15 13:40	05/02/15 00:33	7440-23-5	
Thallium	ND	ug/L	10.0	5.0	1	04/30/15 13:40	05/01/15 15:40	7440-28-0	
Vanadium	10.6	ug/L	5.0	2.5	1	04/30/15 13:40	05/01/15 15:40	7440-62-2	
Zinc	77.7	ug/L	10.0	5.0	1	04/30/15 13:40	05/01/15 15:40	7440-66-6	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND	ug/L	0.20	0.10	1	04/30/15 18:30	05/01/15 15:44	7439-97-6	

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R1

Sample Project No.: 92247497

Sample: TRIP BLANK Lab ID: 92247497005 Collected: 04/27/15 00:00 Received: 04/29/15 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level									
Analytical Method: EPA 8260									
Acetone	11.6J	ug/L	25.0	10.0	1		05/06/15 01:54	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		05/06/15 01:54	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		05/06/15 01:54	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		05/06/15 01:54	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		05/06/15 01:54	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		05/06/15 01:54	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		05/06/15 01:54	74-83-9	L3
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		05/06/15 01:54	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		05/06/15 01:54	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		05/06/15 01:54	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		05/06/15 01:54	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		05/06/15 01:54	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		05/06/15 01:54	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		05/06/15 01:54	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		05/06/15 01:54	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	2.0	1		05/06/15 01:54	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		05/06/15 01:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		05/06/15 01:54	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		05/06/15 01:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		05/06/15 01:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		05/06/15 01:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		05/06/15 01:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		05/06/15 01:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		05/06/15 01:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		05/06/15 01:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		05/06/15 01:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		05/06/15 01:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		05/06/15 01:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		05/06/15 01:54	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		05/06/15 01:54	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		05/06/15 01:54	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		05/06/15 01:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		05/06/15 01:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		05/06/15 01:54	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		05/06/15 01:54	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/06/15 01:54	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		05/06/15 01:54	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.46	1		05/06/15 01:54	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		05/06/15 01:54	99-87-6	
Methylene Chloride	2.8	ug/L	2.0	0.97	1		05/06/15 01:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		05/06/15 01:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		05/06/15 01:54	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		05/06/15 01:54	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		05/06/15 01:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		05/06/15 01:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		05/06/15 01:54	79-34-5	

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ANALYTICAL RESULTS

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

Sample: TRIP BLANK **Lab ID: 92247497005** Collected: 04/27/15 00:00 Received: 04/29/15 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
8260 MSV Low Level									
Analytical Method: EPA 8260									
Tetrachloroethene	ND	ug/L	1.0	0.46	1		05/06/15 01:54	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		05/06/15 01:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		05/06/15 01:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		05/06/15 01:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		05/06/15 01:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		05/06/15 01:54	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		05/06/15 01:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		05/06/15 01:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		05/06/15 01:54	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		05/06/15 01:54	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		05/06/15 01:54	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		05/06/15 01:54	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		05/06/15 01:54	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		05/06/15 01:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		05/06/15 01:54	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		1		05/06/15 01:54	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		05/06/15 01:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

QC Batch: GCV/9322

Analysis Method: EPA 5030/8015 Mod.

QC Batch Method: EPA 5030/8015 Mod.

Analysis Description: Gasoline Range Organics

Associated Lab Samples: 92247497001, 92247497002

METHOD BLANK: 1455244

Matrix: Water

Associated Lab Samples: 92247497001, 92247497002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gas Range Organics (C6-C10)	mg/L	ND	0.080	05/10/15 16:52	
4-Bromofluorobenzene (S)	%	100	70-145	05/10/15 16:52	

LABORATORY CONTROL SAMPLE: 1455245

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gas Range Organics (C6-C10)	mg/L	1	0.95	95	70-150	
4-Bromofluorobenzene (S)	%			101	70-145	

MATRIX SPIKE SAMPLE: 1455246

Parameter	Units	92248374003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gas Range Organics (C6-C10)	mg/L	ND	1	0.28	27	70-150	M0
4-Bromofluorobenzene (S)	%				112	70-145	

SAMPLE DUPLICATE: 1455247

Parameter	Units	92248374004 Result	Dup Result	RPD	Max RPD	Qualifiers
Gas Range Organics (C6-C10)	mg/L	ND	ND		30	
4-Bromofluorobenzene (S)	%	112	106	5		

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

QC Batch: MERP/7785

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Associated Lab Samples: 92247497001, 92247497002, 92247497003

METHOD BLANK: 1447468

Matrix: Water

Associated Lab Samples: 92247497001, 92247497002, 92247497003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	05/01/15 14:50	

LABORATORY CONTROL SAMPLE: 1447469

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.5	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1447470 1447471

Parameter	Units	92246735035 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max		Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	
Mercury	ug/L	ND	2.5	2.5	2.4	2.4	96	96	75-125	0	25	

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

QC Batch: MPRP/18383 Analysis Method: EPA 6010
 QC Batch Method: EPA 3010 Analysis Description: 6010 MET
 Associated Lab Samples: 92247497001, 92247497002, 92247497003

METHOD BLANK: 1447194 Matrix: Water

Associated Lab Samples: 92247497001, 92247497002, 92247497003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	100	05/01/15 14:10	
Antimony	ug/L	ND	5.0	05/01/15 14:10	
Arsenic	ug/L	ND	10.0	05/01/15 14:10	
Barium	ug/L	ND	5.0	05/01/15 14:10	
Beryllium	ug/L	0.078J	1.0	05/01/15 14:10	
Cadmium	ug/L	0.072J	1.0	05/01/15 14:10	
Calcium	ug/L	ND	100	05/01/15 14:10	
Chromium	ug/L	ND	5.0	05/01/15 14:10	
Cobalt	ug/L	ND	5.0	05/01/15 14:10	
Copper	ug/L	ND	5.0	05/01/15 14:10	
Iron	ug/L	ND	50.0	05/01/15 14:10	
Lead	ug/L	ND	5.0	05/01/15 14:10	
Magnesium	ug/L	ND	100	05/01/15 14:10	
Manganese	ug/L	ND	5.0	05/01/15 14:10	
Nickel	ug/L	ND	5.0	05/01/15 14:10	
Potassium	ug/L	ND	5000	05/01/15 14:10	
Selenium	ug/L	ND	10.0	05/01/15 14:10	
Silver	ug/L	ND	5.0	05/01/15 14:10	
Sodium	ug/L	ND	5000	05/04/15 12:56	
Thallium	ug/L	ND	10.0	05/01/15 14:10	
Vanadium	ug/L	ND	5.0	05/01/15 14:10	
Zinc	ug/L	8.9J	10.0	05/01/15 14:10	

LABORATORY CONTROL SAMPLE: 1447195

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	4800	96	80-120	
Antimony	ug/L	500	496	99	80-120	
Arsenic	ug/L	500	478	96	80-120	
Barium	ug/L	500	480	96	80-120	
Beryllium	ug/L	500	476	95	80-120	
Cadmium	ug/L	500	479	96	80-120	
Calcium	ug/L	5000	4640	93	80-120	
Chromium	ug/L	500	473	95	80-120	
Cobalt	ug/L	500	483	97	80-120	
Copper	ug/L	500	491	98	80-120	
Iron	ug/L	5000	4700	94	80-120	
Lead	ug/L	500	479	96	80-120	
Magnesium	ug/L	5000	4630	93	80-120	
Manganese	ug/L	500	462	92	80-120	

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

LABORATORY CONTROL SAMPLE: 1447195

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	ug/L	500	471	94	80-120	
Potassium	ug/L	5000	4850J	97	80-120	
Selenium	ug/L	500	473	95	80-120	
Silver	ug/L	250	239	96	80-120	
Sodium	ug/L	5000	5140	103	80-120	
Thallium	ug/L	500	474	95	80-120	
Vanadium	ug/L	500	471	94	80-120	
Zinc	ug/L	500	466	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1447196 1447197

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		92247303001 Result	Spike Conc.	Spike Conc.	MSD Result							
Aluminum	ug/L	ND	5000	5000	4840	4870	97	97	75-125	1	20	
Antimony	ug/L	ND	500	500	505	504	100	100	75-125	0	20	
Arsenic	ug/L	ND	500	500	491	489	98	98	75-125	0	20	
Barium	ug/L	102	500	500	578	582	95	96	75-125	1	20	
Beryllium	ug/L	ND	500	500	477	480	95	96	75-125	1	20	
Cadmium	ug/L	ND	500	500	484	485	97	97	75-125	0	20	
Calcium	ug/L	97600	5000	5000	104000	103000	138	116	75-125	1	20	M6
Chromium	ug/L	ND	500	500	470	473	94	94	75-125	1	20	
Cobalt	ug/L	ND	500	500	468	468	94	94	75-125	0	20	
Copper	ug/L	ND	500	500	494	496	99	99	75-125	1	20	
Iron	ug/L	790	5000	5000	5420	5450	93	93	75-125	0	20	
Lead	ug/L	ND	500	500	469	470	94	94	75-125	0	20	
Magnesium	ug/L	37800	5000	5000	42000	42100	84	86	75-125	0	20	
Manganese	ug/L	8.9	500	500	463	467	91	92	75-125	1	20	
Nickel	ug/L	ND	500	500	456	456	91	91	75-125	0	20	
Potassium	ug/L	ND	5000	5000	6970	6980	98	98	75-125	0	20	
Selenium	ug/L	ND	500	500	481	481	96	96	75-125	0	20	
Silver	ug/L	ND	250	250	241	243	96	97	75-125	1	20	
Sodium	ug/L	6580	5000	5000	11700	11700	103	103	75-125	0	20	
Thallium	ug/L	ND	500	500	462	468	92	93	75-125	1	20	
Vanadium	ug/L	ND	500	500	473	476	95	95	75-125	1	20	
Zinc	ug/L	6.3J	500	500	458	459	90	91	75-125	0	20	

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

QC Batch: MSV/31503

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV Low Level

Associated Lab Samples: 92247497005

METHOD BLANK: 1450549

Matrix: Water

Associated Lab Samples: 92247497005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/05/15 20:51	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/05/15 20:51	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/05/15 20:51	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/05/15 20:51	
1,1-Dichloroethane	ug/L	ND	1.0	05/05/15 20:51	
1,1-Dichloroethene	ug/L	ND	1.0	05/05/15 20:51	
1,1-Dichloropropene	ug/L	ND	1.0	05/05/15 20:51	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	05/05/15 20:51	
1,2,3-Trichloropropane	ug/L	ND	1.0	05/05/15 20:51	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/05/15 20:51	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	05/05/15 20:51	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/05/15 20:51	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/05/15 20:51	
1,2-Dichloroethane	ug/L	ND	1.0	05/05/15 20:51	
1,2-Dichloropropane	ug/L	ND	1.0	05/05/15 20:51	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/05/15 20:51	
1,3-Dichloropropane	ug/L	ND	1.0	05/05/15 20:51	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/05/15 20:51	
2,2-Dichloropropane	ug/L	ND	1.0	05/05/15 20:51	
2-Butanone (MEK)	ug/L	ND	5.0	05/05/15 20:51	
2-Chlorotoluene	ug/L	ND	1.0	05/05/15 20:51	
2-Hexanone	ug/L	ND	5.0	05/05/15 20:51	
4-Chlorotoluene	ug/L	ND	1.0	05/05/15 20:51	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	05/05/15 20:51	
Acetone	ug/L	ND	25.0	05/05/15 20:51	
Benzene	ug/L	ND	1.0	05/05/15 20:51	
Bromobenzene	ug/L	ND	1.0	05/05/15 20:51	
Bromochloromethane	ug/L	ND	1.0	05/05/15 20:51	
Bromodichloromethane	ug/L	ND	1.0	05/05/15 20:51	
Bromoform	ug/L	ND	1.0	05/05/15 20:51	
Bromomethane	ug/L	ND	2.0	05/05/15 20:51	
Carbon tetrachloride	ug/L	ND	1.0	05/05/15 20:51	
Chlorobenzene	ug/L	ND	1.0	05/05/15 20:51	
Chloroethane	ug/L	ND	1.0	05/05/15 20:51	
Chloroform	ug/L	ND	1.0	05/05/15 20:51	
Chloromethane	ug/L	ND	1.0	05/05/15 20:51	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/05/15 20:51	
cis-1,3-Dichloropropene	ug/L	ND	1.0	05/05/15 20:51	
Dibromochloromethane	ug/L	ND	1.0	05/05/15 20:51	
Dibromomethane	ug/L	ND	1.0	05/05/15 20:51	
Dichlorodifluoromethane	ug/L	ND	1.0	05/05/15 20:51	

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

METHOD BLANK: 1450549

Matrix: Water

Associated Lab Samples: 92247497005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	ND	1.0	05/05/15 20:51	
Ethylbenzene	ug/L	ND	1.0	05/05/15 20:51	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	05/05/15 20:51	
m&p-Xylene	ug/L	ND	2.0	05/05/15 20:51	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/05/15 20:51	
Methylene Chloride	ug/L	1.6J	2.0	05/05/15 20:51	
Naphthalene	ug/L	ND	1.0	05/05/15 20:51	
o-Xylene	ug/L	ND	1.0	05/05/15 20:51	
p-Isopropyltoluene	ug/L	ND	1.0	05/05/15 20:51	
Styrene	ug/L	ND	1.0	05/05/15 20:51	
Tetrachloroethene	ug/L	ND	1.0	05/05/15 20:51	
Toluene	ug/L	ND	1.0	05/05/15 20:51	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/05/15 20:51	
trans-1,3-Dichloropropene	ug/L	ND	1.0	05/05/15 20:51	
Trichloroethene	ug/L	ND	1.0	05/05/15 20:51	
Trichlorofluoromethane	ug/L	ND	1.0	05/05/15 20:51	
Vinyl acetate	ug/L	ND	2.0	05/05/15 20:51	
Vinyl chloride	ug/L	ND	1.0	05/05/15 20:51	
Xylene (Total)	ug/L	ND	2.0	05/05/15 20:51	
1,2-Dichloroethane-d4 (S)	%	83	70-130	05/05/15 20:51	
4-Bromofluorobenzene (S)	%	98	70-130	05/05/15 20:51	
Toluene-d8 (S)	%	98	70-130	05/05/15 20:51	

LABORATORY CONTROL SAMPLE: 1450550

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	56.4	113	70-130	
1,1,1-Trichloroethane	ug/L	50	50.4	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	58.1	116	70-130	
1,1,2-Trichloroethane	ug/L	50	54.6	109	70-130	
1,1-Dichloroethane	ug/L	50	56.8	114	70-130	
1,1-Dichloroethene	ug/L	50	50.1	100	70-132	
1,1-Dichloropropene	ug/L	50	58.4	117	70-130	
1,2,3-Trichlorobenzene	ug/L	50	59.9	120	70-135	
1,2,3-Trichloropropane	ug/L	50	53.3	107	70-130	
1,2,4-Trichlorobenzene	ug/L	50	61.1	122	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	55.0	110	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	59.0	118	70-130	
1,2-Dichlorobenzene	ug/L	50	57.3	115	70-130	
1,2-Dichloroethane	ug/L	50	48.2	96	70-130	
1,2-Dichloropropane	ug/L	50	58.3	117	70-130	
1,3-Dichlorobenzene	ug/L	50	58.5	117	70-130	
1,3-Dichloropropane	ug/L	50	56.1	112	70-130	
1,4-Dichlorobenzene	ug/L	50	57.8	116	70-130	

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

LABORATORY CONTROL SAMPLE: 1450550

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	55.1	110	58-145	
2-Butanone (MEK)	ug/L	100	117	117	70-145	
2-Chlorotoluene	ug/L	50	54.8	110	70-130	
2-Hexanone	ug/L	100	117	117	70-144	
4-Chlorotoluene	ug/L	50	54.9	110	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	114	114	70-140	
Acetone	ug/L	100	103	103	50-175	
Benzene	ug/L	50	58.4	117	70-130	
Bromobenzene	ug/L	50	57.1	114	70-130	
Bromochloromethane	ug/L	50	58.3	117	70-130	
Bromodichloromethane	ug/L	50	47.3	95	70-130	
Bromoform	ug/L	50	44.1	88	70-130	
Bromomethane	ug/L	50	69.6	139	54-130	L0
Carbon tetrachloride	ug/L	50	50.6	101	70-132	
Chlorobenzene	ug/L	50	58.2	116	70-130	
Chloroethane	ug/L	50	57.8	116	64-134	
Chloroform	ug/L	50	47.4	95	70-130	
Chloromethane	ug/L	50	58.1	116	64-130	
cis-1,2-Dichloroethene	ug/L	50	56.8	114	70-131	
cis-1,3-Dichloropropene	ug/L	50	60.9	122	70-130	
Dibromochloromethane	ug/L	50	50.5	101	70-130	
Dibromomethane	ug/L	50	52.7	105	70-131	
Dichlorodifluoromethane	ug/L	50	50.2	100	56-130	
Diisopropyl ether	ug/L	50	62.8	126	70-130	
Ethylbenzene	ug/L	50	55.8	112	70-130	
Hexachloro-1,3-butadiene	ug/L	50	61.8	124	70-130	
m&p-Xylene	ug/L	100	112	112	70-130	
Methyl-tert-butyl ether	ug/L	50	53.6	107	70-130	
Methylene Chloride	ug/L	50	54.0	108	63-130	
Naphthalene	ug/L	50	61.2	122	70-138	
o-Xylene	ug/L	50	55.8	112	70-130	
p-Isopropyltoluene	ug/L	50	62.9	126	70-130	
Styrene	ug/L	50	59.0	118	70-130	
Tetrachloroethene	ug/L	50	55.3	111	70-130	
Toluene	ug/L	50	57.4	115	70-130	
trans-1,2-Dichloroethene	ug/L	50	54.2	108	70-130	
trans-1,3-Dichloropropene	ug/L	50	58.2	116	70-132	
Trichloroethene	ug/L	50	54.0	108	70-130	
Trichlorofluoromethane	ug/L	50	46.6	93	62-133	
Vinyl acetate	ug/L	100	119	119	66-157	
Vinyl chloride	ug/L	50	64.1	128	50-150	
Xylene (Total)	ug/L	150	168	112	70-130	
1,2-Dichloroethane-d4 (S)	%			81	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			100	70-130	

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

MATRIX SPIKE SAMPLE:	1450551	92247961001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	24.0	120	70-130	
1,1,1-Trichloroethane	ug/L	ND	20	24.8	124	70-130	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	22.9	114	70-130	
1,1,2-Trichloroethane	ug/L	ND	20	22.6	113	70-130	
1,1-Dichloroethane	ug/L	ND	20	23.6	118	70-130	
1,1-Dichloroethene	ug/L	ND	20	23.7	119	70-166	
1,1-Dichloropropene	ug/L	ND	20	26.4	132	70-130	M1
1,2,3-Trichlorobenzene	ug/L	ND	20	24.1	121	70-130	
1,2,3-Trichloropropane	ug/L	ND	20	23.6	118	70-130	
1,2,4-Trichlorobenzene	ug/L	ND	20	24.0	120	70-130	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	23.3	116	70-130	
1,2-Dibromoethane (EDB)	ug/L	ND	20	23.5	118	70-130	
1,2-Dichlorobenzene	ug/L	ND	20	23.9	120	70-130	
1,2-Dichloroethane	ug/L	ND	20	22.3	112	70-130	
1,2-Dichloropropane	ug/L	ND	20	23.2	116	70-130	
1,3-Dichlorobenzene	ug/L	ND	20	24.0	120	70-130	
1,3-Dichloropropane	ug/L	ND	20	23.1	116	70-130	
1,4-Dichlorobenzene	ug/L	ND	20	24.2	121	70-130	
2,2-Dichloropropane	ug/L	ND	20	25.1	126	70-130	
2-Butanone (MEK)	ug/L	ND	40	41.5	104	70-130	
2-Chlorotoluene	ug/L	ND	20	25.9	130	70-130	
2-Hexanone	ug/L	ND	40	43.9	110	70-130	
4-Chlorotoluene	ug/L	ND	20	24.1	121	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	42.9	107	70-130	
Acetone	ug/L	ND	40	39.4	94	70-130	
Benzene	ug/L	ND	20	24.8	124	70-148	
Bromobenzene	ug/L	ND	20	24.2	121	70-130	
Bromochloromethane	ug/L	ND	20	25.0	125	70-130	
Bromodichloromethane	ug/L	ND	20	21.7	109	70-130	
Bromoform	ug/L	ND	20	21.3	106	70-130	
Bromomethane	ug/L	ND	20	32.2	161	70-130	M0
Carbon tetrachloride	ug/L	ND	20	27.7	138	70-130	M1
Chlorobenzene	ug/L	ND	20	24.2	121	70-146	
Chloroethane	ug/L	ND	20	22.0	110	70-130	
Chloroform	ug/L	ND	20	21.9	110	70-130	
Chloromethane	ug/L	ND	20	22.0	110	70-130	
cis-1,2-Dichloroethene	ug/L	ND	20	23.5	118	70-130	
cis-1,3-Dichloropropene	ug/L	ND	20	23.5	118	70-130	
Dibromochloromethane	ug/L	ND	20	22.7	114	70-130	
Dibromomethane	ug/L	ND	20	23.1	115	70-130	
Dichlorodifluoromethane	ug/L	ND	20	18.0	90	70-130	
Diisopropyl ether	ug/L	ND	20	22.8	114	70-130	
Ethylbenzene	ug/L	ND	20	25.1	125	70-130	
Hexachloro-1,3-butadiene	ug/L	ND	20	29.4	147	70-130	M1
m&p-Xylene	ug/L	ND	40	50.0	125	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	22.0	110	70-130	
Methylene Chloride	ug/L	ND	20	21.4	103	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

MATRIX SPIKE SAMPLE: 1450551		92247961001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Naphthalene	ug/L	ND	20	23.6	118	70-130	
o-Xylene	ug/L	ND	20	25.0	125	70-130	
p-Isopropyltoluene	ug/L	ND	20	25.7	128	70-130	
Styrene	ug/L	ND	20	24.9	125	70-130	
Tetrachloroethene	ug/L	ND	20	25.5	128	70-130	
Toluene	ug/L	ND	20	24.5	123	70-155	
trans-1,2-Dichloroethene	ug/L	ND	20	23.6	118	70-130	
trans-1,3-Dichloropropene	ug/L	ND	20	23.8	119	70-130	
Trichloroethene	ug/L	ND	20	25.8	129	69-151	
Trichlorofluoromethane	ug/L	ND	20	23.4	117	70-130	
Vinyl acetate	ug/L	ND	40	43.3	108	70-130	
Vinyl chloride	ug/L	ND	20	22.9	115	70-130	
1,2-Dichloroethane-d4 (S)	%				96	70-130	
4-Bromofluorobenzene (S)	%				103	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 1450552

Parameter	Units	92247961002	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
2-Hexanone	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

SAMPLE DUPLICATE: 1450552

Parameter	Units	92247961002 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	2.5	2.7	8	30	
Toluene	ug/L	0.40	0.41J		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl acetate	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	112	101	10		
4-Bromofluorobenzene (S)	%	103	105	1		
Toluene-d8 (S)	%	98	100	1		

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

QC Batch: OEXT/34762 Analysis Method: EPA 8015 Modified

QC Batch Method: EPA 3510 Analysis Description: 8015 GCS

Associated Lab Samples: 92247497001, 92247497002, 92247497003

METHOD BLANK: 1449565 Matrix: Water

Associated Lab Samples: 92247497001, 92247497002, 92247497003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics(C10-C28)	mg/L	0.71	0.50	05/07/15 23:41	
n-Pentacosane (S)	%	88	48-110	05/07/15 23:41	

LABORATORY CONTROL SAMPLE & LCSD: 1449566 1449567

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics(C10-C28)	mg/L	10	6.1	6.2	61	62	41-114	2	30	
n-Pentacosane (S)	%				96	95	48-110			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

QC Batch: OEXT/34764

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 Water MSSV

Associated Lab Samples: 92247497001, 92247497002

METHOD BLANK: 1449638

Matrix: Water

Associated Lab Samples: 92247497001, 92247497002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	05/06/15 09:27	
1,2-Dichlorobenzene	ug/L	ND	10.0	05/06/15 09:27	
1,3-Dichlorobenzene	ug/L	ND	10.0	05/06/15 09:27	
1,4-Dichlorobenzene	ug/L	ND	10.0	05/06/15 09:27	
1-Methylnaphthalene	ug/L	ND	10.0	05/06/15 09:27	
2,4,5-Trichlorophenol	ug/L	ND	10.0	05/06/15 09:27	
2,4,6-Trichlorophenol	ug/L	ND	10.0	05/06/15 09:27	
2,4-Dichlorophenol	ug/L	ND	10.0	05/06/15 09:27	
2,4-Dimethylphenol	ug/L	ND	10.0	05/06/15 09:27	
2,4-Dinitrophenol	ug/L	ND	50.0	05/06/15 09:27	
2,4-Dinitrotoluene	ug/L	ND	10.0	05/06/15 09:27	
2,6-Dinitrotoluene	ug/L	ND	10.0	05/06/15 09:27	
2-Chloronaphthalene	ug/L	ND	10.0	05/06/15 09:27	
2-Chlorophenol	ug/L	ND	10.0	05/06/15 09:27	
2-Methylnaphthalene	ug/L	ND	10.0	05/06/15 09:27	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	05/06/15 09:27	
2-Nitroaniline	ug/L	ND	50.0	05/06/15 09:27	
2-Nitrophenol	ug/L	ND	10.0	05/06/15 09:27	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	05/06/15 09:27	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	05/06/15 09:27	
3-Nitroaniline	ug/L	ND	50.0	05/06/15 09:27	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	05/06/15 09:27	
4-Bromophenylphenyl ether	ug/L	ND	10.0	05/06/15 09:27	
4-Chloro-3-methylphenol	ug/L	ND	20.0	05/06/15 09:27	
4-Chloroaniline	ug/L	ND	20.0	05/06/15 09:27	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	05/06/15 09:27	
4-Nitroaniline	ug/L	ND	20.0	05/06/15 09:27	
4-Nitrophenol	ug/L	ND	50.0	05/06/15 09:27	
Acenaphthene	ug/L	ND	10.0	05/06/15 09:27	
Acenaphthylene	ug/L	ND	10.0	05/06/15 09:27	
Aniline	ug/L	ND	10.0	05/06/15 09:27	
Anthracene	ug/L	ND	10.0	05/06/15 09:27	
Benzo(a)anthracene	ug/L	ND	10.0	05/06/15 09:27	
Benzo(a)pyrene	ug/L	ND	10.0	05/06/15 09:27	
Benzo(b)fluoranthene	ug/L	ND	10.0	05/06/15 09:27	
Benzo(g,h,i)perylene	ug/L	ND	10.0	05/06/15 09:27	
Benzo(k)fluoranthene	ug/L	ND	10.0	05/06/15 09:27	
Benzoic Acid	ug/L	ND	50.0	05/06/15 09:27	
Benzyl alcohol	ug/L	ND	20.0	05/06/15 09:27	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	05/06/15 09:27	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	05/06/15 09:27	

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

METHOD BLANK: 1449638

Matrix: Water

Associated Lab Samples: 92247497001, 92247497002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	05/06/15 09:27	
bis(2-Ethylhexyl)phthalate	ug/L	ND	6.0	05/06/15 09:27	
Butylbenzylphthalate	ug/L	ND	10.0	05/06/15 09:27	
Chrysene	ug/L	ND	10.0	05/06/15 09:27	
Di-n-butylphthalate	ug/L	ND	10.0	05/06/15 09:27	
Di-n-octylphthalate	ug/L	ND	10.0	05/06/15 09:27	
Dibenz(a,h)anthracene	ug/L	ND	10.0	05/06/15 09:27	
Dibenzofuran	ug/L	ND	10.0	05/06/15 09:27	
Diethylphthalate	ug/L	ND	10.0	05/06/15 09:27	
Dimethylphthalate	ug/L	ND	10.0	05/06/15 09:27	
Fluoranthene	ug/L	ND	10.0	05/06/15 09:27	
Fluorene	ug/L	ND	10.0	05/06/15 09:27	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	05/06/15 09:27	
Hexachlorobenzene	ug/L	ND	10.0	05/06/15 09:27	
Hexachlorocyclopentadiene	ug/L	ND	10.0	05/06/15 09:27	
Hexachloroethane	ug/L	ND	10.0	05/06/15 09:27	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	05/06/15 09:27	
Isophorone	ug/L	ND	10.0	05/06/15 09:27	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	05/06/15 09:27	
N-Nitrosodimethylamine	ug/L	ND	10.0	05/06/15 09:27	
N-Nitrosodiphenylamine	ug/L	ND	10.0	05/06/15 09:27	
Naphthalene	ug/L	ND	10.0	05/06/15 09:27	
Nitrobenzene	ug/L	ND	10.0	05/06/15 09:27	
Pentachlorophenol	ug/L	ND	25.0	05/06/15 09:27	
Phenanthrene	ug/L	ND	10.0	05/06/15 09:27	
Phenol	ug/L	ND	10.0	05/06/15 09:27	
Pyrene	ug/L	ND	10.0	05/06/15 09:27	
2,4,6-Tribromophenol (S)	%	79	27-110	05/06/15 09:27	
2-Fluorobiphenyl (S)	%	70	27-110	05/06/15 09:27	
2-Fluorophenol (S)	%	40	12-110	05/06/15 09:27	
Nitrobenzene-d5 (S)	%	77	21-110	05/06/15 09:27	
Phenol-d6 (S)	%	32	10-110	05/06/15 09:27	
Terphenyl-d14 (S)	%	83	31-107	05/06/15 09:27	

LABORATORY CONTROL SAMPLE: 1449639

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	26.9	54	31-120	
1,2-Dichlorobenzene	ug/L	50	36.0	72	38-120	
1,3-Dichlorobenzene	ug/L	50	32.3	65	30-122	
1,4-Dichlorobenzene	ug/L	50	34.0	68	37-120	
1-Methylnaphthalene	ug/L	50	33.2	66	34-113	
2,4,5-Trichlorophenol	ug/L	50	46.7	93	43-113	
2,4,6-Trichlorophenol	ug/L	50	47.5	95	42-120	

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

LABORATORY CONTROL SAMPLE: 1449639

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dichlorophenol	ug/L	50	35.8	72	30-120	
2,4-Dimethylphenol	ug/L	50	33.8	68	29-111	
2,4-Dinitrophenol	ug/L	250	230	92	19-132	
2,4-Dinitrotoluene	ug/L	50	49.2	98	58-128	
2,6-Dinitrotoluene	ug/L	50	48.2	96	54-129	
2-Chloronaphthalene	ug/L	50	39.3	79	43-117	
2-Chlorophenol	ug/L	50	42.4	85	37-120	
2-Methylnaphthalene	ug/L	50	29.4	59	33-120	
2-Methylphenol(o-Cresol)	ug/L	50	39.7	79	31-120	
2-Nitroaniline	ug/L	100	120	120	48-121	
2-Nitrophenol	ug/L	50	34.8	70	25-116	
3&4-Methylphenol(m&p Cresol)	ug/L	50	35.1	70	23-120	
3,3'-Dichlorobenzidine	ug/L	100	84.8	85	10-154	
3-Nitroaniline	ug/L	100	101	101	43-115	
4,6-Dinitro-2-methylphenol	ug/L	100	94.6	95	44-124	
4-Bromophenylphenyl ether	ug/L	50	40.2	80	34-113	
4-Chloro-3-methylphenol	ug/L	100	77.7	78	31-110	
4-Chloroaniline	ug/L	100	68.1	68	20-120	
4-Chlorophenylphenyl ether	ug/L	50	43.4	87	34-116	
4-Nitroaniline	ug/L	100	109	109	46-128	
4-Nitrophenol	ug/L	250	111	44	11-120	
Acenaphthene	ug/L	50	44.2	88	48-114	
Acenaphthylene	ug/L	50	42.4	85	48-112	
Aniline	ug/L	50	34.7	69	26-120	
Anthracene	ug/L	50	45.5	91	57-118	
Benzo(a)anthracene	ug/L	50	41.8	84	56-121	
Benzo(a)pyrene	ug/L	50	43.1	86	55-127	
Benzo(b)fluoranthene	ug/L	50	42.5	85	53-128	
Benzo(g,h,i)perylene	ug/L	50	44.7	89	54-125	
Benzo(k)fluoranthene	ug/L	50	41.4	83	51-123	
Benzoic Acid	ug/L	250	74.5	30	10-120	
Benzyl alcohol	ug/L	100	85.7	86	27-120	
bis(2-Chloroethoxy)methane	ug/L	50	38.7	77	32-120	
bis(2-Chloroethyl) ether	ug/L	50	49.6	99	33-111	
bis(2-Chloroisopropyl) ether	ug/L	50	60.5	121	15-120	L0
bis(2-Ethylhexyl)phthalate	ug/L	50	51.5	103	50-145	
Butylbenzylphthalate	ug/L	50	51.3	103	54-138	
Chrysene	ug/L	50	42.7	85	58-127	
Di-n-butylphthalate	ug/L	50	55.0	110	56-125	
Di-n-octylphthalate	ug/L	50	53.5	107	50-134	
Dibenz(a,h)anthracene	ug/L	50	44.9	90	53-129	
Dibenzofuran	ug/L	50	44.8	90	45-120	
Diethylphthalate	ug/L	50	54.5	109	53-120	
Dimethylphthalate	ug/L	50	51.3	103	55-116	
Fluoranthene	ug/L	50	44.1	88	57-125	
Fluorene	ug/L	50	45.6	91	53-118	
Hexachloro-1,3-butadiene	ug/L	50	24.6	49	23-120	

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

LABORATORY CONTROL SAMPLE: 1449639

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorobenzene	ug/L	50	37.8	76	49-116	
Hexachlorocyclopentadiene	ug/L	50	23.0	46	26-158	
Hexachloroethane	ug/L	50	34.1	68	30-114	
Indeno(1,2,3-cd)pyrene	ug/L	50	43.9	88	55-128	
Isophorone	ug/L	50	40.1	80	31-118	
N-Nitroso-di-n-propylamine	ug/L	50	57.8	116	32-119	
N-Nitrosodimethylamine	ug/L	50	25.6	51	13-120	
N-Nitrosodiphenylamine	ug/L	50	45.0	90	43-120	
Naphthalene	ug/L	50	30.6	61	32-120	
Nitrobenzene	ug/L	50	38.3	77	33-110	
Pentachlorophenol	ug/L	100	87.7	88	10-137	
Phenanthrene	ug/L	50	45.4	91	57-117	
Phenol	ug/L	50	23.5	47	10-120	
Pyrene	ug/L	50	40.9	82	55-122	
2,4,6-Tribromophenol (S)	%			88	27-110	
2-Fluorobiphenyl (S)	%			78	27-110	
2-Fluorophenol (S)	%			46	12-110	
Nitrobenzene-d5 (S)	%			70	21-110	
Phenol-d6 (S)	%			39	10-110	
Terphenyl-d14 (S)	%			87	31-107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1449640 1449641

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		92247303004 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,2,4-Trichlorobenzene	ug/L	ND	100	100	58.8	57.5	59	58	10-110	2	30	
1,2-Dichlorobenzene	ug/L	ND	100	100	70.6	74.5	71	74	10-110	5	30	
1,3-Dichlorobenzene	ug/L	ND	100	100	67.9	69.8	68	70	10-110	3	30	
1,4-Dichlorobenzene	ug/L	ND	100	100	70.2	72.5	70	72	10-110	3	30	
1-Methylnaphthalene	ug/L	ND	100	100	63.5	65.9	63	66	14-110	4	30	
2,4,5-Trichlorophenol	ug/L	ND	100	100	91.1	90.5	91	91	19-105	1	30	
2,4,6-Trichlorophenol	ug/L	ND	100	100	90.7	89.5	91	89	13-108	1	30	
2,4-Dichlorophenol	ug/L	ND	100	100	68.3	67.2	68	67	29-111	2	30	
2,4-Dimethylphenol	ug/L	ND	100	100	65.2	66.9	65	67	21-103	2	30	
2,4-Dinitrophenol	ug/L	ND	500	500	351	427	70	85	10-109	19	30	
2,4-Dinitrotoluene	ug/L	ND	100	100	93.4	92.5	93	92	27-104	1	30	
2,6-Dinitrotoluene	ug/L	ND	100	100	91.3	90.7	91	91	28-101	1	30	
2-Chloronaphthalene	ug/L	ND	100	100	77.7	74.8	78	75	14-102	4	30	
2-Chlorophenol	ug/L	ND	100	100	74.5	81.2	75	81	16-110	9	30	
2-Methylnaphthalene	ug/L	ND	100	100	56.5	58.4	57	58	13-110	3	30	
2-Methylphenol(o-Cresol)	ug/L	ND	100	100	70.6	78.9	71	79	19-110	11	30	
2-Nitroaniline	ug/L	ND	200	200	225	219	112	110	26-103	3	30	M1
2-Nitrophenol	ug/L	ND	100	100	62.8	63.6	63	64	20-110	1	30	
3&4-Methylphenol(m&p Cresol)	ug/L	4.0J	100	100	74.3	80.1	70	76	20-110	7	30	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1449640												1449641											
Parameter	Units	92247303004		MS	MSD	MS		MSD		% Rec		Max		Qual									
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD											
3,3'-Dichlorobenzidine	ug/L	ND	200	200	200	117	113	59	56	25-112	4	30											
3-Nitroaniline	ug/L	ND	200	200	200	193	186	96	93	29-110	3	30											
4,6-Dinitro-2-methylphenol	ug/L	ND	200	200	200	171	168	86	84	10-117	2	30											
4-Bromophenylphenyl ether	ug/L	ND	100	100	100	76.0	69.2	76	69	20-105	9	30											
4-Chloro-3-methylphenol	ug/L	ND	200	200	200	154	155	77	78	22-110	0	30											
4-Chloroaniline	ug/L	ND	200	200	200	122	124	61	62	20-100	2	30											
4-Chlorophenylphenyl ether	ug/L	ND	100	100	100	82.5	80.0	83	80	19-102	3	30											
4-Nitroaniline	ug/L	ND	200	200	200	222	221	111	110	29-110	1	30	M1										
4-Nitrophenol	ug/L	ND	500	500	500	275	324	55	65	10-110	16	30											
Acenaphthene	ug/L	ND	100	100	100	83.4	81.0	83	81	17-100	3	30											
Acenaphthylene	ug/L	ND	100	100	100	80.4	78.9	80	79	21-100	2	30											
Aniline	ug/L	ND	100	100	100	65.4	69.2	65	69	10-110	6	30											
Anthracene	ug/L	ND	100	100	100	86.7	82.3	87	82	24-109	5	30											
Benzo(a)anthracene	ug/L	ND	100	100	100	78.1	73.5	78	74	22-117	6	30											
Benzo(a)pyrene	ug/L	ND	100	100	100	82.7	76.4	83	76	23-104	8	30											
Benzo(b)fluoranthene	ug/L	ND	100	100	100	82.1	77.0	82	77	23-103	6	30											
Benzo(g,h,i)perylene	ug/L	ND	100	100	100	87.4	81.1	87	81	18-111	8	30											
Benzo(k)fluoranthene	ug/L	ND	100	100	100	77.8	73.5	78	74	22-113	6	30											
Benzoic Acid	ug/L	ND	500	500	500	41.1J	89.4J	8	18	10-110		30	M1										
Benzyl alcohol	ug/L	ND	200	200	200	155	171	78	85	19-101	10	30											
bis(2-Chloroethoxy)methane	ug/L	ND	100	100	100	70.0	70.3	70	70	22-110	0	30											
bis(2-Chloroethyl) ether	ug/L	ND	100	100	100	89.1	88.1	89	88	16-110	1	30											
bis(2-Chloroisopropyl) ether	ug/L	ND	100	100	100	107	109	107	109	14-110	3	30											
bis(2-Ethylhexyl)phthalate	ug/L	38.2	100	100	100	93.9	88.5	56	50	23-102	6	30											
Butylbenzylphthalate	ug/L	ND	100	100	100	93.2	89.6	93	90	25-110	4	30											
Chrysene	ug/L	ND	100	100	100	80.8	76.1	81	76	23-115	6	30											
Di-n-butylphthalate	ug/L	ND	100	100	100	106	98.9	106	99	26-110	7	30											
Di-n-octylphthalate	ug/L	ND	100	100	100	98.2	92.3	98	92	22-110	6	30											
Dibenz(a,h)anthracene	ug/L	ND	100	100	100	85.7	80.2	86	80	21-112	7	30											
Dibenzofuran	ug/L	ND	100	100	100	84.7	83.3	85	83	19-102	2	30											
Diethylphthalate	ug/L	ND	100	100	100	102	101	102	101	29-110	1	30											
Dimethylphthalate	ug/L	ND	100	100	100	95.0	94.4	95	94	27-110	1	30											
Fluoranthene	ug/L	ND	100	100	100	89.0	82.5	89	82	23-112	8	30											
Fluorene	ug/L	ND	100	100	100	86.7	85.2	87	85	22-104	2	30											
Hexachloro-1,3-butadiene	ug/L	ND	100	100	100	55.7	54.7	56	55	10-110	2	30											
Hexachlorobenzene	ug/L	ND	100	100	100	70.6	64.8	71	65	21-116	9	30											
Hexachlorocyclopentadiene	ug/L	ND	100	100	100	43.8	42.6	44	43	10-110	3	30											
Hexachloroethane	ug/L	ND	100	100	100	70.1	73.6	70	74	10-110	5	30											
Indeno(1,2,3-cd)pyrene	ug/L	ND	100	100	100	85.6	79.7	86	80	20-113	7	30											
Isophorone	ug/L	ND	100	100	100	70.6	73.9	71	74	50-150	5	30											
N-Nitroso-di-n-propylamine	ug/L	ND	100	100	100	95.9	102	96	102	21-105	6	30											
N-Nitrosodimethylamine	ug/L	ND	100	100	100	64.8	71.5	65	72	10-110	10	30											
N-Nitrosodiphenylamine	ug/L	ND	100	100	100	86.3	80.2	86	80	23-107	7	30											
Naphthalene	ug/L	ND	100	100	100	61.6	61.2	62	61	10-110	1	30											
Nitrobenzene	ug/L	ND	100	100	100	70.3	70.8	70	71	20-110	1	30											
Pentachlorophenol	ug/L	ND	200	200	200	168	169	84	84	10-118	0	30											

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1449640		1449641		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		92247303004 Result	MS Spike Conc.	MSD Spike Conc.									
Phenanthrene	ug/L	ND	100	100	87.1	81.4	87	81	24-106	7	30		
Phenol	ug/L	ND	100	100	51.2	59.3	51	59	12-110	15	30		
Pyrene	ug/L	ND	100	100	72.2	69.3	72	69	24-114	4	30		
2,4,6-Tribromophenol (S)	%						81	74	27-110				
2-Fluorobiphenyl (S)	%						73	69	27-110				
2-Fluorophenol (S)	%						50	55	12-110				
Nitrobenzene-d5 (S)	%						65	63	21-110				
Phenol-d6 (S)	%						45	52	10-110				
Terphenyl-d14 (S)	%						66	63	31-107				

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QUALIFIERS

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether, Styrene, and Vinyl chloride.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-A Pace Analytical Services - Asheville

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

P2 Re-extraction or re-analysis could not be performed due to insufficient sample amount.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buzzard Point, Washington DC R1

Pace Project No.: 92247497

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92247497001	GTW-605-802-1-2	EPA 3510	OEXT/34762	EPA 8015 Modified	GCSV/21237
92247497002	GTW-605-802-2-2	EPA 3510	OEXT/34762	EPA 8015 Modified	GCSV/21237
92247497003	GTW-605-802-6-2	EPA 3510	OEXT/34762	EPA 8015 Modified	GCSV/21237
92247497001	GTW-605-802-1-2	EPA 5030/8015 Mod.	GCV/9322		
92247497002	GTW-605-802-2-2	EPA 5030/8015 Mod.	GCV/9322		
92247497001	GTW-605-802-1-2	EPA 3010	MPRP/18383	EPA 6010	ICP/16506
92247497002	GTW-605-802-2-2	EPA 3010	MPRP/18383	EPA 6010	ICP/16506
92247497003	GTW-605-802-6-2	EPA 3010	MPRP/18383	EPA 6010	ICP/16506
92247497001	GTW-605-802-1-2	EPA 7470	MERP/7785	EPA 7470	MERC/7469
92247497002	GTW-605-802-2-2	EPA 7470	MERP/7785	EPA 7470	MERC/7469
92247497003	GTW-605-802-6-2	EPA 7470	MERP/7785	EPA 7470	MERC/7469
92247497001	GTW-605-802-1-2	EPA 3510	OEXT/34764	EPA 8270	MSSV/10634
92247497002	GTW-605-802-2-2	EPA 3510	OEXT/34764	EPA 8270	MSSV/10634
92247497005	TRIP BLANK	EPA 8260	MSV/31503		

REPORT OF LABORATORY ANALYSIS

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Document Name:
Sample Condition Upon Receipt (SCUR)
 Document Number:
F-CHR-CS-003-rev.15

Document Revised: September 22, 2014
 Page 1 of 2
 Issuing Authority:
 Pace Huntersville Quality Office

Client Name: Haley 3 A/Drich

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Vap Bubble Bags None Other _____

Thermometer Used: IR Gun T1401 Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Temp Correction Factor T1401 No Correction

Corrected Cooler Temp.: 3.4 °C Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Optional
 Proj. Due Date:
 Proj. Name:

Date and Initials of person examining contents: AP 4-29-15

	Comments:
Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: _____	
All containers needing preservation have been checked. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Samples checked for dechlorination: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____	

Client Notification/ Resolution: _____ Field Data Required? Y / N
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

SCURF Review: AMB Date: 4-29-15
 SRF Review: SD Date: 043015

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

WO#: 92247497



