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PHASE II SOIL INVESTIGATION REPORT
VOLUNTARY CLEANUP PROGRAM
DISTRICT OF COLUMBIA PARCEL AT BUZZARD POINT, SQUARE 0603S, LOT 0800
WASHINGTON, D.C.

by Haley & Aldrich, Inc.
McLean, Virginia

for McKissack & McKissack
Washington, D.C.

File No. 40223-002
June 2015

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26 June 2015
File No. 40223-002

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901 K Street, NW 6th Floor
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Attention: Mr. Mark Babbitt, P.E.

Subject: Phase II Soil Investigation Report
Voluntary Cleanup Program
District of Columbia Parcel at Buzzard Point, Square 0603S, Lot 0800
Washington, D.C.

Ladies and Gentlemen:

Haley & Aldrich, Inc., (Haley & Aldrich) prepared this Phase II Soil Investigation Report (Report) for the parcel owned by the District of Columbia (D.C.) identified as Square 0603S, Lot 0800 (Site) at Buzzard Point. The objective of the soil investigation was to provide an evaluation of the potential impacts associated with the potential environmental concerns at the Site identified during review of the Environmental Data Resources (EDR) reports obtained for the Site and the adjoining properties. The investigation was conducted in a manner consistent with ASTM E 1903-11 Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process. It is understood that the information provided in this Report will assist the District of Columbia Department of General Services in their application under the Voluntary Cleanup Program.

Background

The Site is bound by R Street, SW to the north, properties owned by Rollingwood Real Estate, LLC, (Rollingwood) and Super Salvage, Inc., (Super Salvage) to the south, 1st Street, SW to the east and 2nd Street, SW to the west. The Site is currently on vacant land.

A limited environmental assessment was conducted at the Site to identify potential environmental concerns based on review of the data provided in the EDR reports. This assessment did not identify potential environmental concerns based on Site-related activities (i.e., historical operations and/or use). Properties immediately adjacent to the Site (Rollingwood and Super Salvage) are currently undergoing soil and groundwater investigations at recognized environmental conditions identified in the "Report on ASTM Phase I Environmental Site Assessment" (Haley & Aldrich, 2013). Additionally, Super Salvage currently uses the land immediately southeast of the Site as a staging area for equipment. The potential impacts at the Site from adjacent properties are considered the only identified potential environmental concerns for the Site.

The Site is one property of several that is planned for redevelopment as part of the new D.C. United soccer stadium. The approximate limits of the stadium development are shown in Figure 1 and the Site boundary is shown in Figure 2. At this time, design drawings have not been prepared for the new stadium. For the purpose of the Voluntary Cleanup Program application, the soil investigation described herein was conducted at the Site. The soil investigation considered an excavation depth of up 10 feet below ground surface (bgs) for foundation construction of the proposed stadium to assess soil disposition during excavation. This is also the depth of soil to which a future on-Site receptor (i.e., a construction worker during Site development or a future occupant at the Site) may likely be exposed.

Soil Investigation

Soil investigation activities were conducted at the Site to evaluate subsurface conditions and assess whether current and/or former operations adjacent to the Site have impacted on-Site soil quality. These investigation activities were conducted at the Site on 10 April 2015. The sample analyses were selected based on the potential chemicals of concern associated with known activities on the adjacent properties. Three sample locations were selected along the southern fence line at the Site to investigate the identified potential environmental concerns. These soil sample locations are shown in Figure 2.

SOIL SAMPLING

Soil samples were collected during advancement of direct-push borings using a track-mounted direct-push drill rig to an approximate depth of 10 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 volatile organic compounds (VOCs) using a photoionization detector (PID). Soil samples were collected at approximately 5 and 10 feet bgs at each location. Samples were placed in a cooler with ice and submitted to Pace Analytical Services, Inc., under standard chain of custody procedures for the following analyses:

- Target Analyte List metals by United States Environmental Protection Agency (EPA) Method 6010B/7471A;
- Total petroleum hydrocarbons by EPA Method 8015B;
- VOCs by EPA Method 8260B;
- Polycyclic aromatic hydrocarbons (PAHs) by EPA 8270C; and
- Polychlorinated biphenyls by EPA Method 8082.

Boring logs are provided as Appendix A.

FINDINGS

The subsurface investigation activities described herein did not define the lateral and vertical extent of chemical concentrations in soil at the Site. The objective of this subsurface investigation was to explore the identified potential environmental concerns to evaluate current conditions at the Site and assess the nature and general magnitude of potential impacts at the Site.

Soil screening levels were selected for the protection of human health based on the understanding that the Site will be redeveloped into a professional soccer stadium. 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. The following summarizes the results by sample location.

- Sample location GSS-603-800-1: Arsenic and benzo(a)pyrene were detected at concentrations above soil screening levels. Reported detection limits for dibenz(a,h)anthracene were elevated (due to sample dilution) greater than soil screening levels.
- Sample location GSS-603-800-2: Arsenic was detected at a concentration above the soil screening level. Reported detection limits for benzo(a)pyrene and dibenz(a,h)anthracene were elevated (due to sample dilution) greater than soil screening levels in the shallow sample.
- Sample location GSS-603-800-3: Arsenic was detected at a concentration above the soil screening level. Reported detection limits for benzo(a)pyrene and dibenz(a,h)anthracene were elevated (due to sample dilution) greater than soil screening levels.

The reported concentrations of arsenic in soil above the soil screening levels may be within naturally occurring background at the Site, and if so, would not warrant remediation. In addition, it cannot be ascertained whether remediation is warranted in areas where the PAHs, dibenz(a,h)anthracene and benzo(a)pyrene, are reported at detection limits that are greater than the soil screening levels.

For the "high" order of magnitude cost of soil remediation including segregation and disposition (see Summary and Recommendations) at sample locations GSS-603-800-2 and GSS-603-800-3, it was conservatively assumed that PAHs are present in soil at concentrations greater than the soil screening levels in these areas until future investigation/sampling confirms otherwise. It was also assumed that soil from the surface to 10 feet bgs will be excavated and segregated for off-Site disposal since impacts from the adjacent properties could have migrated via surface runoff based on the surficial operations of the adjacent properties.

Soil sample analytical results and soil screening levels are provided in Table I. Laboratory analytical reports are provided as Appendix B.

Summary and Recommendations

In summary, soil samples were collected for evaluation of the presence of identified chemicals of potential concern at three locations at the Site in support of Site redevelopment, including proposed excavation to a depth of 10 feet bgs. The following is recommended:

- Preparation of a Site-specific background metals evaluation for soil;
- Preparation of a soil management plan to provide guidance on the excavation environmental monitoring process; and
- Implementation of the soil management plan during Site redevelopment to provide environmental oversight of excavation activities and ensure soil is properly segregated and disposed of off-Site.

Based on the analytical results collected to date, soil remediation may be required to reduce the potential risk to human health for the on-Site construction worker and future occupant. Potential order of magnitude cost impacts based on the analytical results range from $60,000 to $1,300,000. These costs and their associated assumptions are summarized in Table 2. The soil screening levels used for evaluation of impacts at the Site do not account for cumulative health risks and potential threat to groundwater quality. Additionally, costs do not include groundwater remediation and/or vapor intrusion mitigation in the construction of the stadium that may be required to reduce the threat to human health. These sampling/characterization recommendations and the potential order of magnitude costs for soil remediation are based on the currently available data.

Limitations

All recommendations are based solely upon Site conditions in existence at the time of performance of services. Haley & Aldrich is unable to report on, or accurately predict events that may impact the Site or system following preparation of this document, whether occurring naturally or caused by external forces. The recommendations provided by Haley & Aldrich are based solely on the scope of work conducted and the sources of information referenced in this document. Services hereunder were performed in accordance with our agreement and understanding with, and solely for the use of McKissack & McKissack. Any additional information that becomes available concerning this Site or system should be provided to Haley & Aldrich so that any further recommendations may be reviewed and modified as necessary. Haley & Aldrich is not responsible for the subsequent separation, detachment, or partial use of this document. No warranty or guarantee, whether expressed or implied, is made with respect to the recommendations expressed in this report. Any reliance on this report by a third party shall be at such party's sole risk.

We appreciate the opportunity to provide consulting services on this project. Please do not hesitate to call if you have any questions or comments.

Sincerely yours,
HALEY & ALDRICH, INC.

Dana L. Kennard
Assistant Project Manager

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

Attachments:

- Table 1 – Summary of Soil Analytical Results
- Table 2 – Order of Magnitude Soil Remediation Costs
- Figure 1 – Site Locus
- Figure 2 – Site Plan and Sample Locations
- Appendix A – Boring Logs
- Appendix B – Laboratory Analytical Reports

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References

1. Environmental Data Resources, Database Report, dated March 4, 2015.

2. Haley & Aldrich, Inc., 2013a. Report on ASTM Phase I Environmental Site Assessment, Potomac Avenue & 1st Street SW, Washington, DC. 30 August.

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
DISTRICT OF COLUMBIA PARCEL AT BUZZARD POINT, SQUARE 0603S, LOT 0800
WASHINGTON, D.C.

Location **Sample Date** **Sample ID** **Sample Depth (ft bgs)**	**D.C. Tier 0 Soil Standards**	**EPA Regional Screening Level for Industrial Soil**	GSS-603-800-1 04/10/2015 GSS-603-800-1-1 3.5 - 5	GSS-603-800-1 04/10/2015 GSS-603-800-1-2 8.5 - 10	GSS-603-800-2 04/10/2015 GSS-603-800-2-1 3.5 - 5	GSS-603-800-2 04/10/2015 GSS-603-800-2-2 8.5 - 10	GSS-603-800-3 04/10/2015 GSS-603-800-3-1 3.5 - 5	GSS-603-800-3 04/10/2015 GSS-603-800-3-2 8.5 - 10
Inorganic Compounds (mg/kg)	mg/kg	mg/kg						
Aluminum	-	1,100,000	**7,830**	**6,220**	**4,660**	**7,370**	**4,470**	**3,420**
Antimony	-	470	**1.7**	**2.9**	**1.4**	**3.6**	**0.61 J**	**2.4**
Arsenic	-	3.0	**10.7**	**19.3**	**16.0**	**23.3**	**9.6**	**17.6**
Barium	-	220,000	**233**	**301**	**211**	**487**	**150**	**126**
Beryllium	-	2,300	**0.62**	**0.75**	**0.55**	**0.49**	**0.48**	**0.24**
Cadmium	-	980	**1.2**	**0.56**	**2.1**	**2.4**	**0.39**	**0.54**
Calcium	-	-	**8,370**	**8,800**	**10,800**	**78,200**	**4,430**	**6,950**
Chromium	-	-	**16.0**	**13.2**	**25.2**	**17.6**	**7.9**	**13.9**
Cobalt	-	350	**5.3**	**6.5**	**6.4**	**8.0**	**4.1**	**5.4**
Copper	-	47,000	**67.4**	**56.6**	**211**	**60.8**	**50.0**	**67.4**
Iron	-	820,000	**13,100**	**33,100**	**65,800**	**7,550**	**2,980**	**19,800**
Lead	-	800	**157**	**583**	**333**	**640**	**79.1**	**500**
Magnesium	-	-	**736**	**942**	**508**	**934**	**345**	**1,160**
Manganese	-	26,000	**1,020**	**210**	**190**	**364**	**66.0**	**165**
Mercury	-	40	**0.16**	**0.64**	**0.30**	**0.093**	**0.071**	**0.42**
Nickel	-	22,000	**16.0**	**14.7**	**40.1**	**18.6**	**9.2**	**12.6**
Potassium	-	-	**670**	**871**	**1,040**	**1,090**	**894**	**551**
Selenium	-	5,800	< 1.0	< 1.3	< 1.1	**5.1**	**0.76 J**	< 0.97
Silver	-	5,800	**0.50 J**	**0.89**	**1.4**	**1.4**	< 0.62	**0.53**
Sodium	-	-	**279 J**	**373 J**	< 561	**1,600**	< 624	< 485
Thallium	-	12	< 1.0	< 1.3	< 1.1	< 1.1	< 1.2	< 0.97
Vanadium	-	5,800	**25.2**	**25.7**	**33.2**	**30.1**	**23.0**	**15.8**
Zinc	-	350,000	**339**	**313**	**712**	**1,690**	**148**	**518**
Polychlorinated Biphenyls (µg/kg)	µg/kg	µg/kg						
Aroclor-1016 (PCB-1016)	-	30,000	< 372	< 229	< 407	< 212	< 214	< 195
Aroclor-1221 (PCB-1221)	-	660	< 372	< 229	< 407	< 212	< 214	< 195
Aroclor-1232 (PCB-1232)	-	660	< 372	< 229	< 407	< 212	< 214	< 195
Aroclor-1242 (PCB-1242)	-	1,000	< 372	< 229	< 407	< 212	< 214	< 195
Aroclor-1248 (PCB-1248)	-	1,000	< 372	< 229	< 407	< 212	< 214	< 195
Aroclor-1254 (PCB-1254)	-	1,000	< 372	< 229	< 407	< 212	< 214	< 195
Aroclor-1260 (PCB-1260)	-	1,000	< 372	< 229	< 407	< 212	< 214	< 195
Polyaromatic Hydrocarbons (µg/kg)	µg/kg	µg/kg						
1-Methylnaphthalene	-	73,000	< 3,720	< 4,570	< 4,070	< 424	< 4,280	< 3,910
2-Methylnaphthalene	-	3,000,000	< 3,720	< 4,570	< 4,070	< 424	< 4,280	< 3,910
Acenaphthene	-	45,000,000	< 3,720	< 4,570	< 4,070	< 424	< 4,280	< 3,910
Acenaphthylene	-	-	< 3,720	< 4,570	< 4,070	< 424	< 4,280	< 3,910
Anthracene	-	230,000,000	< 3,720	< 4,570	< 4,070	< 424	< 4,280	< 3,910
Benzo(a)anthracene	-	2,900	**773 J**	**1,110 J**	< 4,070	< 424	< 4,280	< 3,910
Benzo(a)pyrene	-	290	**849 J**	**1,190 J**	< 4,070	< 424	< 4,280	< 3,910
Benzo(b)fluoranthene	-	2,900	**698 J**	**1,130 J**	< 4,070	< 424	< 4,280	< 3,910
Benzo(g,h,i)perylene	-	-	< 3,720	< 4,570	< 4,070	< 424	< 4,280	< 3,910
Benzo(k)fluoranthene	-	29,000	< 3,720	< 4,570	< 4,070	< 424	< 4,280	< 3,910
Chrysene	-	290,000	**819 J**	**1,410 J**	**631 J**	< 424	< 4,280	< 3,910
Dibenz(a,h)anthracene	-	290	< 3,720	< 4,570	< 4,070	< 424	< 4,280	< 3,910

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WASHINGTON, D.C.

Location **Sample Date** **Sample ID** **Sample Depth (ft bgs)**	**D.C. Tier 0 Soil Standards**	**EPA Regional Screening Level for Industrial Soil**	GSS-603-800-1 04/10/2015 GSS-603-800-1-1 3.5 - 5	GSS-603-800-1 04/10/2015 GSS-603-800-1-2 8.5 - 10	GSS-603-800-2 04/10/2015 GSS-603-800-2-1 3.5 - 5	GSS-603-800-2 04/10/2015 GSS-603-800-2-2 8.5 - 10	GSS-603-800-3 04/10/2015 GSS-603-800-3-1 3.5 - 5	GSS-603-800-3 04/10/2015 GSS-603-800-3-2 8.5 - 10
Fluoranthene	-	30,000,000	**1,560 J**	**2,400 J**	**1,330 J**	< 424	**656 J**	< 3,910
Fluorene	-	30,000,000	< 3,720	< 4,570	< 4,070	< 424	< 4,280	< 3,910
Indeno(1,2,3-cd)pyrene	-	2,900	< 3,720	< 4,570	< 4,070	< 424	< 4,280	< 3,910
Naphthalene	-	17,000	< 3,720	< 4,570	< 4,070	< 424	< 4,280	< 3,910
Phenanthrene	-	-	**901 J**	**1,950 J**	**995 J**	< 424	< 4,280	< 3,910
Pyrene	-	23,000,000	**1,110 J**	**1,870 J**	**906 J**	< 424	< 4,280	< 3,910
Total Petroleum Hydrocarbons (mg/kg)	mg/kg	mg/kg						
Total Petroleum Hydrocarbons (C6-C10) GRO	100	-	< 9.9	< 15.3	< 18.3	< 10.1	< 17.7	< 8.5
Total Petroleum Hydrocarbons (C10-C28) DRO	100	-	**49.9**	**74.0**	**67.0**	**28.8**	**27.1**	**85.2**
Total Petroleum Hydrocarbons (C28-C40)	-	-	**166**	**191**	**133**	**30.6**	**22.4**	**109**
Volatile Organic Compounds (µg/kg)	µg/kg	µg/kg						
1,1,1,2-Tetrachloroethane	-	8,800	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
1,1,1-Trichloroethane	-	36,000,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
1,1,2,2-Tetrachloroethane	-	2,700	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
1,1,2-Trichloroethane	-	5,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
1,1-Dichloroethane	-	16,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
1,1-Dichloroethene	-	1,000,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
1,1-Dichloropropene	-	-	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
1,2,3-Trichlorobenzene	-	660,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
1,2,3-Trichloropropane	-	110	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
1,2,4-Trichlorobenzene	-	110,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
1,2,4-Trimethylbenzene	-	240,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
1,2-Dibromo-3-chloropropane (DBCP)	-	64	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
1,2-Dibromoethane (Ethylene Dibromide)	-	160	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
1,2-Dichlorobenzene	-	9,300,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
1,2-Dichloroethane	-	2,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
1,2-Dichloropropane	-	4,400	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
1,3,5-Trimethylbenzene	-	12,000,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
1,3-Dichlorobenzene	-	-	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
1,3-Dichloropropane	-	23,000,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
1,4-Dichlorobenzene	-	11,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
2,2-Dichloropropane	-	-	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
2-Butanone (Methyl Ethyl Ketone)	-	190,000,000	< 165	< 222	< 200	< 194	< 313	< 97.2
2-Chlorotoluene	-	23,000,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
2-Hexanone	-	1,300,000	< 82.3	< 111	< 99.9	< 97.2	< 157	< 48.6
2-Phenylbutane (sec-Butylbenzene)	-	120,000,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
4-Chlorotoluene	-	23,000,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	-	56,000,000	< 82.3	< 111	< 99.9	< 97.2	< 157	< 48.6
Acetone	-	670,000,000	**68.0 J**	< 222	**74.2 J**	< 194	**77.7 J**	**53.5 J**
Benzene	5	5,100	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
Bromobenzene	-	1,800,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
Bromodichloromethane	-	1,300	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
Bromoform	-	290,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
Bromomethane (Methyl Bromide)	-	30,000	< 16.5	< 22.2	< 20	< 19.4	< 31.3	< 9.7
Carbon tetrachloride	-	2,900	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
Chlorobenzene	-	1,300,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9

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WASHINGTON, D.C.

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Chlorobromomethane	-	630,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
Chloroethane	-	57,000,000	< 16.5	< 22.2	< 20	< 19.4	< 31.3	< 9.7
Chloroform (Trichloromethane)	-	1,400	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
Chloromethane (Methyl Chloride)	-	460,000	< 16.5	< 22.2	< 20	< 19.4	< 31.3	< 9.7
cis-1,2-Dichloroethene	-	2,300,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
cis-1,3-Dichloropropene	-	-	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
Cymene (p-Isopropyltoluene)	-	-	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
Dibromochloromethane	-	3,200	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
Dibromomethane	-	98,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
Dichlorodifluoromethane (CFC-12)	-	370,000	< 16.5	< 22.2	< 20	< 19.4	< 31.3	< 9.7
Diisopropyl ether	-	9,400,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
Ethylbenzene	40	25,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
Hexachlorobutadiene	-	30,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
Isopropylbenzene	-	9,900,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
m,p-Xylenes	-	-	< 16.5	< 22.2	< 20	< 19.4	< 31.3	< 9.7
Methyl Tert Butyl Ether	-	210,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
Methylene chloride	-	1,000,000	< 32.9	< 44.4	**55.9**	**13.4 J**	< 62.7	< 19.4
Naphthalene	-	17,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
n-Butylbenzene	-	58,000,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
n-Propylbenzene	-	22,000,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
o-Xylene	-	2,800,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
Styrene	-	35,000,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
tert-Butylbenzene	-	120,000,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
Tetrachloroethene	-	100,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
Toluene	9,600	47,000,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
trans-1,2-Dichloroethene	-	23,000,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
trans-1,3-Dichloropropene	-	-	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
Trichloroethene	-	6,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
Trichlorofluoromethane (CFC-11)	-	3,100,000	< 8.2	< 11.1	< 10	< 9.7	< 15.7	< 4.9
Vinyl acetate	-	3,800,000	< 82.3	< 111	< 99.9	< 97.2	< 157	< 48.6
Vinyl chloride	-	1,700	< 16.5	< 22.2	< 20	< 19.4	< 31.3	< 9.7
Xylene (total)	3,860	2,500,000	< 16.5	< 22.2	< 20	< 19.4	< 31.3	< 9.7

NOTES

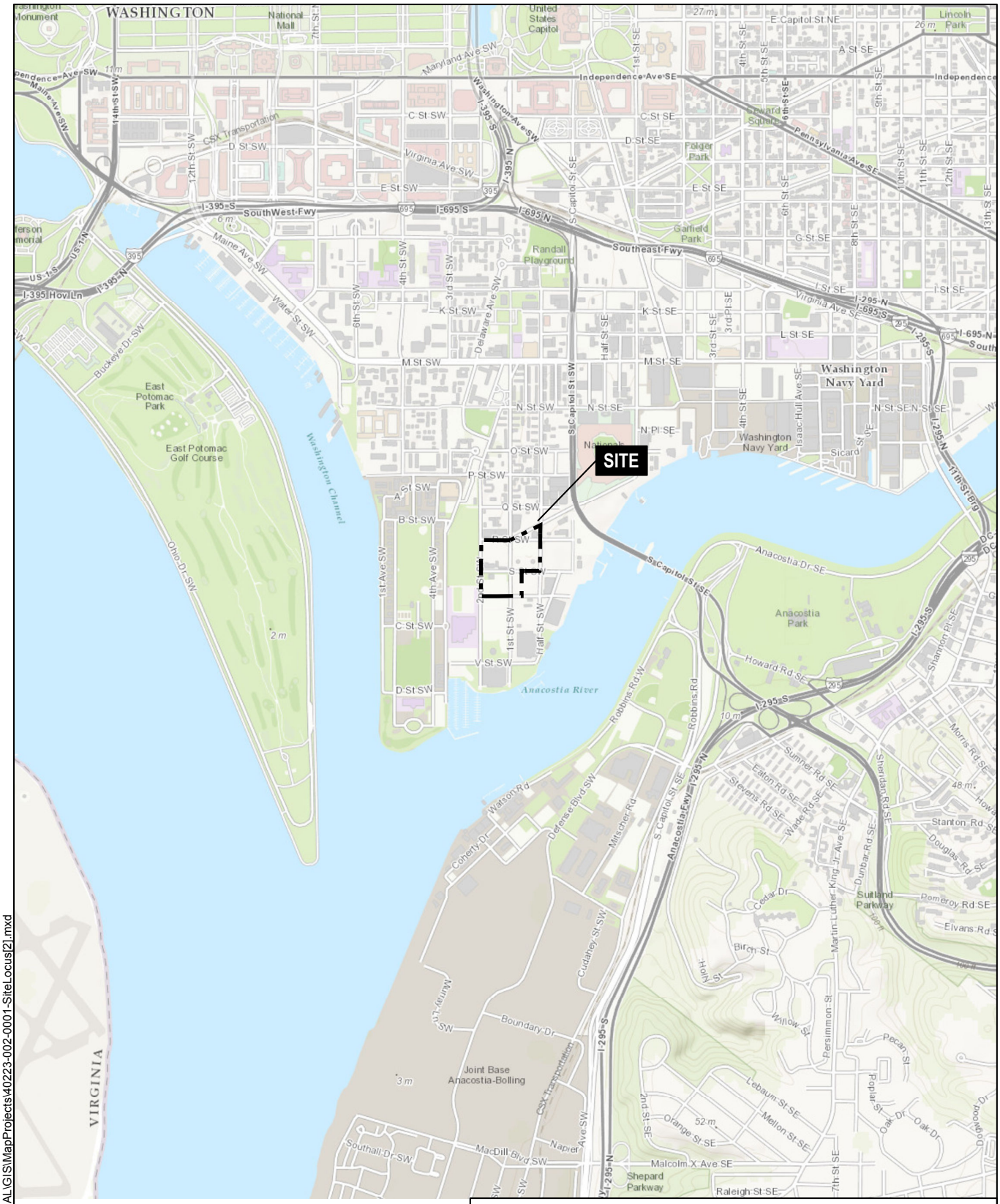
Bold where detected; highlighted where exceeds
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
J = estimated value
-- = screening level not available/sample not analyzed
< = not detected at the indicated reporting limit
1. D.C. Tier 0 Standards from 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
ORDER OF MAGNITUDE SOIL REMEDIATION COSTS
DISTRICT OF COLUMBIA PARCEL AT BUZZARD POINT, SQUARE 0603S, LOT 0800
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)				
Impacts from Adjacent Properties	Arsenic and benzo(a) pyrene were detected in soil sample above soil screening levels. Sample Location GSS-603-800-1	Soil excavated during construction with metals and PAH concentrations exceeding soil 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	$ 44,450	Localized impacted soil with concentrations of PAHs 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 $27.50 per ton for transportation and disposal.	$ 78,520	Impacted soil with concentrations of metals and PAHs requires off-site disposal (**approximately 600 cubic yards**). Estimate $27.50 per ton for transportation and disposal.
				20	$ 56,785	Localized impacted soil with concentrations of PAHs 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.	$ 112,200	Impacted soil with concentrations of metals and PAHs requires off-site disposal (**approximately 1,200 cubic yards**). Estimate $27.50 per ton for transportation and disposal.
	Arsenic detected in soil sample above soil screening levels. Also the possibility for the presence of PAHs in soil. Sample Locations GSS-603-800-2 GSS-603-800-3	Soil excavated during construction with metals concentrations exceeding screening levels is not appropriate for unrestricted use as fill (may require appropriate treatment/disposal). Elevated detection for PAHs were above soil screening levels.		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.	$ 127,040	Impacted soil with concentrations of metals and PAHs requires off-site disposal (**approximately 1,200 cubic yards**). Estimate $27.50 per ton for transportation and disposal.
				20	$ 15,000		$ 194,400	Impacted soil with concentrations of metals and PAHs requires off-site disposal (**approximately 2,400 cubic yards**). Estimate $27.50 per ton for transportation and disposal.
Order of Magnitude Cost Range for Impacts on Proposed Development from Identified RECs:				**10**	**$ 59,450**	**to**	**$ 205,560**	High costs include profiling and off-site disposal to the specified depth for the entire site (i.e., chemicals in soil above soil screening levels are not just limited to the sampled locations but are prevalent throughout the site).	
				20	**$ 71,785**		**$ 306,600**		

NOTES
1. Soil screening levels are the lower of the DC Tier 0 Standards and the EPA Regional Screening Levels for industrial soil
ft bgs = feet below ground surface
AST = aboveground storage tank
PAH = polycyclic aromatic hydrocarbon

GENERAL ASSUMPTIONS
Order of magnitude costs are for discussion and planning purposes only and are not budgetary costs
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 soil screening levels.



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

HALEY ALDRICH

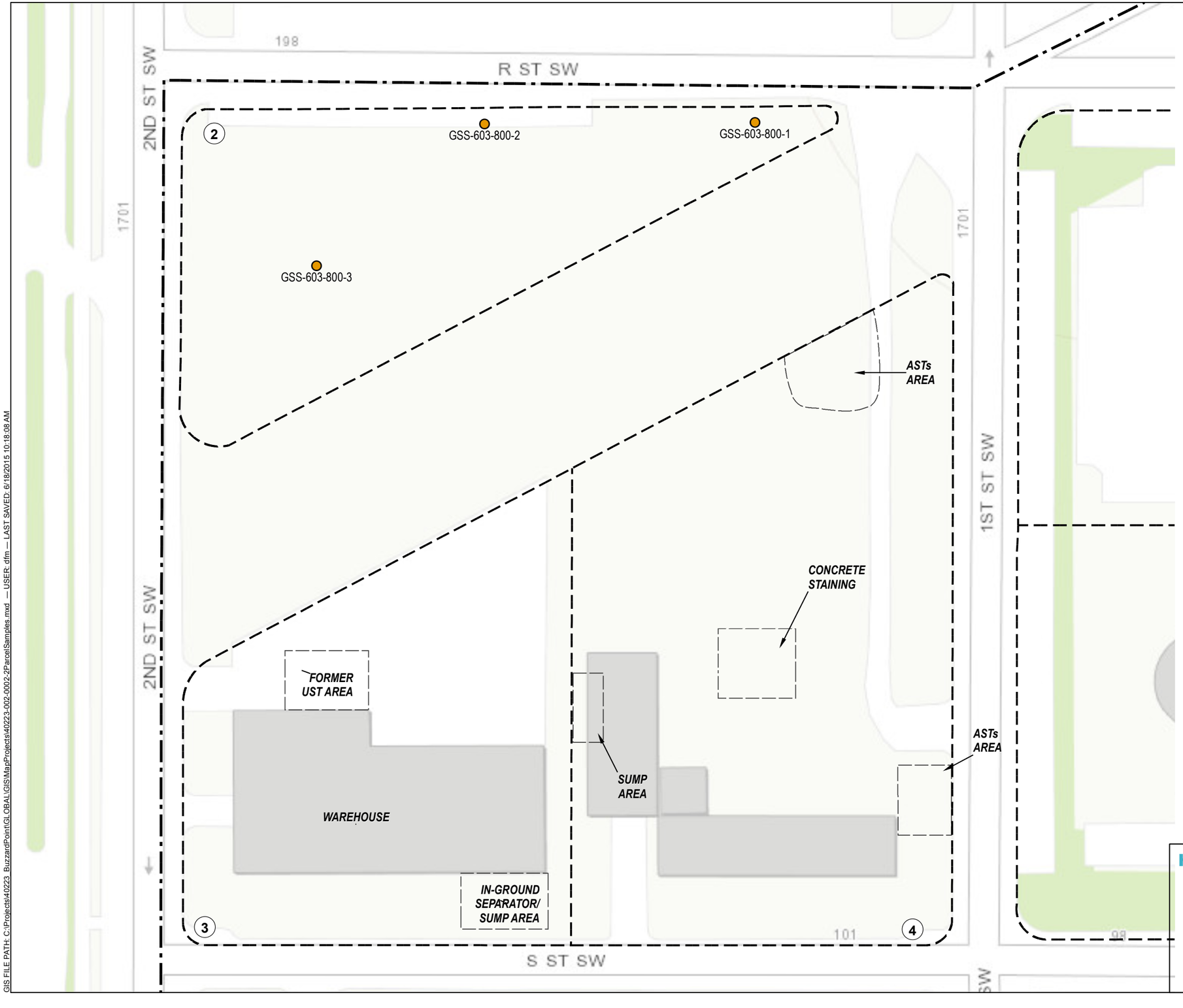
DISTRICT OF COLUMBIA
PARCEL AT BUZZARD POINT, SQUARE 0603S, LOT 800
WASHINGTON, D.C.

SITE LOCUS

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

FIGURE 1

C:\Projects\40223_BuzzardPoint\GLOBAL\GIS\MapProjects\40223-002-0001-SiteLocus[2].mxd



LEGEND

- SOIL SAMPLE LOCATION
- APPROXIMATE PARCEL BOUNDARY
- APPROXIMATE PROPERTY BOUNDARY

NOTES:

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

PROPERTY OWNERS

2. OWNED BY WASHINGTON DC
SQUARE 0603S, LOT 0800

3. OWNED BY ROLLINGWOOD
REAL ESTATE, LLC.
1714 2nd STREET, SW
SQUARE 0605, LOT 0007

4. OWNED BY SUPER SALVAGE,
INC.
1711 1st STREET, SW
SQUARE 0605, LOT 0802

N

0 50 100
SCALE IN FEET

HALEY ALDRICH

DISTRICT OF COLUMBIA
PARCEL AT BUZZARD POINT, SQUARE 0603S, LOT 800
WASHINGTON, D.C.

SITE PLAN AND SAMPLE LOCATIONS

JUNE 2015

FIGURE 2

GIS FILE PATH: C:\Projects\40223_BuzzardPoint\GLOBAL\GIS\MapProjects\40223-002-0002-2ParcelSamples.mxd — USER: dfm — LAST SAVED: 6/18/2015 10:18:08 AM

APPENDIX A

Boring Logs

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GSS-603-800-1

Project	Buzzard Point, Washington, DC
Client	McKissack & McKissack
Contractor	Vironex

File No. 40223-002
Sheet No. 1 of 1
Start 10 April 2015
Finish 10 April 2015
Driller E. Hannah
H&A Rep. M. King
Elevation Datum
Location See Site Plan

	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	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		33		0.0	SP		Light brown poorly graded SAND with gravel (SP), mps 1.25 in., no structure, no odor, wet	10	10	5	70	5					
				0.0	SP		Dark brown poorly graded SAND (SP), mps 1.5 in., some stratification, lighter brown layers about 1/4 in. thick throughout, no odor, moist, waste fill	5	5	10	70	10					
		G1	3.5 5.0														
5		18		0.0	SP		Similar to above	5	5	10	70	10					
		G2	8.5 10.0														
10						10.0	BOTTOM OF EXPLORATION 10.0 FT										

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID
- O - Open End Rod
- T - Thin Wall Tube
- U - Undisturbed Sample
- S - Splitspoon Sample
- G - Geoprobe

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

Summary
- Overburden (ft) 10.0
- Rock Cored (ft) -
- Samples 2G

Boring No. GSS-603- 800-1

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.

H&A-GEOPROBE-09 W/ PID HA-LIB09.GLB HA-TB+CORE+WELL-07-1.GDT \\WAS\COMMON\PROJECTS\40223 - M&M POTOMAC AVE SW002\FIELDWORK\GINT\40223-002GEO.GPJ 11 Jun 15

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GSS-603-800-2

Project	Buzzard Point, Washington, DC
Client	McKissack & McKissack
Contractor	Vironex

File No. 40223-002
Sheet No. 1 of 1
Start 10 April 2015
Finish 10 April 2015
Driller E. Hannah
H&A Rep. M. King
Elevation Datum
Location See Site Plan

	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	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		50		0.0	SP		Orange brown poorly graded SAND (SP), mps 1.0 in., no stratification, no odor, wet	5	5	10	70	10					
				0.0		1.0	White rock chips, dry	50	25		15	10					
				0.0	SP	1.5	Gray poorly graded SAND (SP), mps 2 mm, no stratification, no odor, dry			10	80	10					
				0.0	SP		Black poorly graded SAND (SP), mps 0.75 in., some stratified layers up o 1/2 in. thick, no odor, dry, waste fill		5	10	70	10	5				
		G1	3.5 5.0														
5		18		0.0	SP		Similar to above		5	15	65	10	5				
		G2	8.5 10.0														
10						10.0	BOTTOM OF EXPLORATION 10.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 10.0
Rock Cored (ft) -
Samples 2G

Boring No. GSS-603- 800-2

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.

HALEY ALDRICH

GEOPROBE REPORT

Boring No. GSS-603-800-3

Project	Buzzard Point, Washington, DC
Client	McKissack & McKissack
Contractor	Vironex

File No. 40223-002
Sheet No. 1 of 1
Start 10 April 2015
Finish 10 April 2015
Driller E. Hannah
H&A Rep. M. King
Elevation Datum
Location See Site Plan

	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	Stratum Change Elev/Depth (ft)	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel % Coarse	Gravel % Fine	Sand % Coarse	Sand % Medium	Sand % Fine	% Fines	Field Test Dilatancy	Field Test Toughness	Field Test Plasticity	Field Test Strength
0		45		0.0	SP		Orange brown poorly graded SAND (SP), mps 1.0 in., no structure, no odor, wet	5	5	10	70	10					
				0.0	SP		Black poorly graded SAND (SP), mps 1/4 in., no structure, no odor, moist			5	5	85	5				
				0.0	SP		Brown poorly graded SAND (SP), mps 2 mm, no structure, some crushed red brick, no odor, moist			5	40	45	5				
				0.0	SP		Black poorly graded SAND (SP), mps 0.5 in., some stratification of brown or white layers up to 1/4 in. thick, no odor, dry, waste fill			10	70	15	5				
		G1	3.5 5.0														
5		43		0.0	SP		Similar to above			10	70	15	5				
				0.0	SP	8.0	Brown poorly graded SAND (SP), no stratification, no odor, moist			20	50	25	5				
		G2	8.5 10.0														
10						10.0	BOTTOM OF EXPLORATION 10.0 FT										

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Splitspoon Sample
G - Geoprobe

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft) 10.0
Rock Cored (ft) -
Samples 2G

Boring No. GSS-603- 800-3

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.

APPENDIX B

Laboratory Analytical Reports

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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

Pace Analytical Services, Inc.
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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
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	

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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 / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
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 / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
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 / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
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	

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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

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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

Pace Analytical Services, Inc.
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Huntersville, NC 28078
(704)875-9092

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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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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		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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(704)875-9092

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	
1,1,2,2-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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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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		

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
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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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Huntersville, NC 28078
(704)875-9092

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

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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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

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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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

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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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		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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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
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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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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

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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
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

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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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
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

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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
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	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
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

Pace Analytical Services, Inc.
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Huntersville, NC 28078
(704)875-9092

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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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

QC Batch: MERP/7744
QC Batch Method: EPA 7470
Analysis 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 Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	0.91	0.79	35	30	75-125	14	25	M1

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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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 Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	.05	.056	0.052	0.056	97	94	75-125	8	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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(704)875-9092

QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

QC Batch: MERP/7748
QC Batch Method: EPA 7471
Analysis 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 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.19	.05	.063	0.21	0.26	54	114	75-125	19	20	M6

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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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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REPORT OF LABORATORY ANALYSIS

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(704)875-9092

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	92243750001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
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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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

QC Batch: MPRP/18291
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
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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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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	92245059001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
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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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

QC Batch: MPRP/18269
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
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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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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	92245046008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
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

Pace Analytical Services, Inc.
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Huntersville, NC 28078
(704)875-9092

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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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(704)875-9092

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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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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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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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

MATRIX SPIKE SAMPLE: 1436563

Parameter	Units	92244804002 Result	Spike Conc.	MS Result	MS % Rec	% 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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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

MATRIX SPIKE SAMPLE: 1436563

Parameter	Units	92244804002 Result	Spike Conc.	MS Result	MS % Rec	% 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 Result	Dup Result	RPD	Max RPD	Qualifiers
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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REPORT OF LABORATORY ANALYSIS

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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

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Huntersville, NC 28078
(704)875-9092

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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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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(704)875-9092

QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

MATRIX SPIKE SAMPLE: 1434896

Parameter	Units	92244872001 Result	Spike Conc.	MS Result	MS % Rec	% 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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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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(704)875-9092

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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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(704)875-9092

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

Pace Analytical Services, Inc.
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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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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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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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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(704)875-9092

QUALITY CONTROL DATA

Project: Buzzard Point 40223-002 Rev1
Pace Project No.: 92245073

MATRIX SPIKE SAMPLE: 1436127

Parameter	Units	92245040009 Result	Spike Conc.	MS Result	MS % Rec	% 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

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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(704)875-9092

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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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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(704)875-9092

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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REPORT OF LABORATORY ANALYSIS

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(704)875-9092

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 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
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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REPORT OF LABORATORY ANALYSIS

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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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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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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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REPORT OF LABORATORY ANALYSIS

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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			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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.

Pace Analytical Services, Inc.
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(704)875-9092

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).

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

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		

Pace Analytical	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 + Aldrich

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☐ no Seals intact: ☐ yes ☐ no

Optional
Proj. Due Date:
Proj. Name:

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.: 5.1 °C Biological Tissue is Frozen: Yes No N/A

Date and Initials of person examining contents: AD 11-11-15

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☐Yes ☑No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☐Yes ☑No ☐N/A	8. NV CRV on #7
Correct Containers Used:	☐Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☐Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix:_____		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13. AD 11-11-15
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	
Samples checked for dechlorination:	☐Yes ☐No ☐N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☐N/A	15.
Trip Blank Present:	☐Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☐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: 4/11/15

SRF Review: NJ Date: 04/13/15

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

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of

1907013

Section A
Required Client Information:

Company:	Haley + Aldrich
Address:	7926 Jones Branch Dr, McLean VA
Email To:	dschoenwolf@haleyaldrich.com
Phone:	703-336-6200
Fax:	-
Requested Due Date/TAT:	Std

Section B
Required Project Information:

Report To:	Dave Schoenwolf
Copy To:	Dana Kennard, dkennard@haleyaldrich.com
Purchase Order No.:	
Project Name:	Buzzard Point
Project Number:	40223.002

Section C
Invoice Information:

Attention:	Accounts Payable
Company Name:	Haley + Aldrich
Address:	70 Blanchard Rd Suite 240, Burlington MA
Pace Quote Reference:	
Pace Project Manager:	Nicole Benjamin
Pace Profile #:	7362-L3

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER ________

Site Location STATE:	Wash DC

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

Requested Analysis Filtered (Y/N) — soil: 8015 DRO, 8270SVOC, 8260 VOC, TAL Metals, PCBs by 8082, GRO 8015; water: DRO 8015, GRO 8015, VOC 8260, SVOC 8270, TAL Metals

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other: DI Free H_2O	Analysis Test Y/N	8015 DRO	8270SVOC	8260 VOC	TAL Metals	PCBs by 8082	GRO 8015	DRO 8015	GRO 8015	VOC 8260	SVOC 8270	TAL Metals		Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92245873
1	GSS-603-800-1-1	SL	G	4/10	800				11	5					2	2	2		X	X	X	X	X	X								001
2	GSS-603-800-1-2				815				11										X	X	X	X	X	X								002
3	GSS-603-800-3-1				845				11										X	X	X	X	X	X								003
4	GSS-603-800-3-2				900				11										X	X	X	X	X	X								004
5	GSS-603-800-2-1				915				11										X	X	X	X	X	X								005
6	GSS-603-800-2-2				930				11										X	X	X	X	X	X								006
7	GTW-605-802-7-1	↓	↓	↓	945				11	↓					↓	↓	↓		X	X	X	X	X	X								007
8	GTW-605-802-6	WT			1240				4				4												[struck out]	X	X	[struck out]	[struck out]			well went dry - questions call 008
9	GTW-605-802-9	↓	↓	↓	1255				11			1	6												X	X	X	X	X	X		Dana Kennard 009
10									[struck out]																							619-285-7108
11																																
12																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
4oz Jars 3-2 and later,	Margaret King	4/10	4:00	Fedex 8070 2979	4/10					
and water samples in				[illegible] Pace 453	4-11-15	9:00	5.1	✓	[illegible]	✓
2nd cooler										
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

*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